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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ª); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (ª).]

Patents Nos. 2,379,404 to 2,379,853

THE OFFICIAL GAZETTE OF THE United States Patent Office

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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Trade-Marks	130	No. 414,861 to No. 414,990, inclusive.
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Patents	450	No. 2,379,404 to No. 2,379,853, inclusive.
Designs	79	No. 141,729 to No. 141,807, inclusive.
Total	711	

Adjudicated Patents

(C. C. A. N. Y.) Campbell patent, No. 1,577,821, for a stabilizing device, claim 2 *Held* infringed, claims 1 and 3 *Held* not infringed. *Clair* v. *Kastar, Inc.*, 148 F.(2d) 644; 65 USPQ 143.

(D. C. Ohio.) Sawyer patent, No. 2,196,815, for a hair retaining comb, claim 1 *Held* valid but not infringed. *Sawyer* v. *Hahn*, 59 F. Supp. 920; 64 USPQ 507.

Erratum

Page 223 of the OFFICIAL GAZETTE of June 12, 1945, second column, published trade-marks, heading for mark "FRUIT O' GOLD", for "Ser. No. 479,752. NESTLE'S MILK PRODUCTS, INC., New" read "Ser. No. 480,049. ROBERT H. DART, Sacramento, Calif."

Classification Bulletin No. 94

Classification Bulletin No. 94 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,234,196, R. H. Prewitt, Propeller or rotor construction, decided June 6, 1945, claims 4 and 8.

Pat. 2,351,889, H. Strubig, Method and means for producing television images, decided June 2, 1945, claims 1, 2, 3, and 6.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., June 6, 1945.*

Browning-Drake Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by David Bogen Company, Inc., 663 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Browning-Drake Corporation, 110 Brookline St., Cambridge, Mass., No. 243,872, dated July 3, 1928, and the notice of such proceeding sent by registered mail to the said Browning-Drake Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Browning-Drake Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., May 29, 1945.*

Edward A. Williams, Jr., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Noxon, Inc., 94–02 104th St., Ozone Park 16, N. Y., to effect the cancellation of trade-mark registration of Edward A. Williams, Jr., 437 S. Kenilworth Ave., Lima, Ohio, No. 287,487, dated September 29, 1931, and the notice of such proceeding sent by registered mail to the said Williams at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Williams, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business June 16, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,274; Trade-Mark Division, 2,512. Oldest new case, July 10, 1944; oldest amended, June 26, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 4	Nov. 7	879
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 26	Aug. 5	1121
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 29	Sept. 1	1205
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 24	Nov. 25	650
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 13	June 26	1645
6. GENIESSE, E. W., Carbon Chemistry (part)	Oct. 3	Oct. 7	1124
7. JARBOE, C. G., Optics, Photography	†Jan. 8	†Jan. 29	892
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 6	†Jan. 1	854
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 7	Sept. 14	1131
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 15	†Jan. 30	301
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 7	Aug. 12	1273
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	†Jan. 5	671
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Dec. 18	Dec. 11	711
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 20	Sept. 12	828
16. SPENCER, C. J., Telegraphy; Telephony	Dec. 11	Dec. 12	715
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 10	July 3	568
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 20	1059
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 28	Sept. 25	688
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 16	Dec. 12	705
21. THOMPSON, T. J., Textiles	†Jan. 8	Nov. 9	431
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Oct. 23	Oct. 20	1277
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Dec. 1	136
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 4	†Jan. 1	792
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 25	Oct. 6	902
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 11	Sept. 8	1098
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 16	Aug. 19	934
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Sept. 1	Aug. 19	928
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 20	Sept. 29	1398
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 21	Oct. 17	1117
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Jan. 24	†Jan. 24	738
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 6	†Jan. 11	812
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 29	Dec. 8	870
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Oct. 31	Oct. 27	572
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 3	Oct. 3	864
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 12	Oct. 16	650
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 4	Sept. 14	1017
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Oct. 6	Sept. 13	826
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 3	Oct. 12	1159
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 4	Nov. 6	1320
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Sept. 16	495
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Dec. 8	Dec. 6	611
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 6	Oct. 14	750
44. HARVEY, L. P., Refrigeration; Preserving	July 10	July 24	632
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Sept. 15	Oct. 9	1168
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 1	Oct. 9	672
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 22	Dec. 26	909
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Oct. 16	Oct. 16	1079
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 6	Oct. 20	640
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 16	Nov. 17	1436
51. CROCKER, A. W., Radiant Energy; Modulators	Oct. 10	Oct. 13	1661
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 30	Sept. 14	1385
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 17	Sept. 29	1145
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 22	July 26	1203
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 25	Oct. 27	742
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 12	Sept. 12	978
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 13	Sept. 23	990
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 29	Dec. 21	708
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	July 28	July 28	1369
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 28	Oct. 13	1009
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 2	940
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Aug. 21	Aug. 8	1682
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Sept. 21	Sept. 22	1193
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 14	†Feb. 14	749
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 16	Aug. 12	1244
Trade-Marks: RICHMOND, F. A	†Mar. 19	†May 5	2512
Designs: KALUPY, H. H	†Apr. 13	†May 15	1023

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SCHNEIDER

No. 4,954. Decided March 5, 1945

[148 F.(2d) 108; 65 USPQ 129]

1. PATENTABILITY—ADJUSTMENT OF OLD DEVICE—BLADE PROPELLER.

Claims defining a blade propeller and calling for a specific adjustment of the blades *Held* unpatentable over appellant's own prior patent showing a structure so adjustable.

2. SAME—SAME—SAME.

"Even if it is assumed that a readjustment in accordance with the alleged critical limitations in the claims brings a new and useful result not known or contemplated by appellant when he filed the application which ripened into his patent, it does not necessarily follow that he can now obtain a new article patent merely because he has discovered a new usefulness in a new adjustment of an old device."

APPEAL from the Patent Office. Affirmed.

Mr. C. P. Goepel (*Mr. T. A. Hostetler* of counsel) for Schneider.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner of the United States Patent Office finally rejected claims 10 and 11 (the only claims in the case) of appellant's application for a patent relating to blade propellers. The Examiner's decision was affirmed by the Board of Appeals, and appellant has here appealed from its decision.

The appealed claims read as follows:

10. In a blade propeller in which the axes of rotation of the blades and the axis of rotation of the propeller are substantially vertical and parallel with each other, with the blades oscillable about their axes through a cycle of angular movements with the axes of rotation of the blades moving in an orbit of which the quadrants represent forward and rearward movements of the blades, the quadrant being formed by intersecting diameters of the orbit, one diameter being along the longitudinal of the ship and the other diameter being perpendicular thereto, the two quadrants forward in the direction of the ship's movement of the transverse diameter representing the forward movement of the blades, and the two quadrants rearward of the transverse diameter representing the rearward movement of the blades and having a steering center disposed along said transverse diameter; *means positioning the blades so that during their cycle of movements when one blade arrives in its position where a radius of the orbit forms with the transverse diameter an angle of twenty-five degrees, within a tolerance in either direction of fifteen degrees, said blade is in its zero position,* and means for angularly shifting the remaining blades during their rotation in accordance with their cycle based on the zero position of said cycle being at said zero position of the blade, with the longitudinal axis of the blade tangential to the orbit, its perpendicular passing through the steering center, and said tangential point coincident with the curved flow of the water rear of the transverse diameter tangential to said orbit.

11. In a blade propeller in which the axes of rotation of the blades and the axis of rotation of the propeller are substantially vertical and parallel with each other, with the blades oscillable about their axes through a cycle of angular movements with the axes of rotation of the blades moving in an orbit, in relation to the flow direction of the medium while the axes of the blades rotate in an orbit around the axis of the propeller, the orbit being divided by diametrical lines at right angles to each other into right and left forward and rearward quadrants, the right quadrants being at the right in the flow direction line passing through the axis of the orbit, and the forward quadrants being forward of the diameter transverse to the flow direction line and opposing the direction of flow, and the rearward quadrants being rearward of said transverse diameter, and having a steering center disposed along said transverse diameter at the right of the flow direction; *the combination of means for positioning the zero position of the blades at a point in the orbit in the left rearward quadrant where the radius of the orbit makes an angle of 25° with said transverse diameter, with a tolerance of 15°, the zero position of the blade being the position where the longitudinal axis of the blade profile is tangential to the orbit and has the perpendicular of that axis pass through the steering center,* and means for angularly oscillating said blades on their axes in accordance with their cycle from and to said zero position during the rotation of the axes of said blades in said orbit, the blades taking a forward positioning in respect to the flow of the medium in the said forward and rearward left quadrants, and a rearward positioning in the forward and rearward right quadrants, whereby the zero position of the blades is substantially at the point where the medium tangents with the orbit at the rearward part of the propeller. [Italics ours.]

The sole reference is appellant's prior patent, No. 1,681,500, issued August 21, 1928.

The subject-matter of the claims relates to a blade propeller, such as is shown in Schneider's said patent.

The rejection on the part of the Examiner was upon two grounds: first, that the claims were functional; second, that they were unpatentable over Schneider's own patent.

Upon appeal, the Board, in its first decision, affirmed the action of the Examiner in rejecting the claims as being functional but specifically stated that the rejection on the ground of unpatentability over the Schneider patent would not be sustained, yet its concluding statement was "The decision of the Examiner is affirmed". Upon petition for reconsideration, the Board rendered a second opinion. When the two opinions are considered together, we may state that it is difficult to determine just what the Board did mean. Nevertheless, we conclude from statements which we shall quote, that the Board modified its holding with respect to the claims being functional and, in substance, reversed itself with respect to the rejection upon the prior art.

To us the questions presented seem not to be greatly involved, and we feel certain that the tribunals were correct in holding that the appealed claims are not inventive over appellant's patent. Therefore, we need not consider the argument relative to the alleged functional character of the claims, which has been much belabored by the tribunals and by the respective parties here. We shall therefore proceed to consider the scope and nature of the instant claims and the disclosure of the Schneider patent.

We have italicized in the above quoted claims the limitations which are claimed to define the novel and inventive features in the instant application over appellant's patent.

Appellant, in his brief, defines his invention as follows:

The claimed invention is the combination of the means for positioning the blades when in zero position rearward of the ends of the transverse diameter of the orbit at an angle thereto of 25°, with a tolerance of 15°, combined with the means for angularly oscillating said blades on their axes in accordance with their cycle from and to said zero positions during the rotation of the axes of said blades in said orbit. * * * The real invention in the case at bar consists in the new arrangement producing the new result, and claims 10 and 11 point out the new arrangement as the limit of their request for protection.

The Examiner pointed out that the claims called for nothing more than a readjustment of the old means disclosed by the patent. If we thought the question were sufficiently close, we should here set out the complex diagrammatic drawings, involving highly technical geometric figures, and quote the numerals, in order that a more definite understanding of appellant's application might be considered in connection with the disclosure of the patent. We think, however, that under the circumstances it is sufficient to state the holdings of the tribunals below and briefly comment thereon, because appellant has wholly failed to convince us that the decision appealed from should be reversed.

The Examiner said in part:

Claims 10 and 11 were rejected as unpatentable over Schneider. Schneider discloses a propeller in which the pivot 15 or point N in Fig. 1 may be moved to any position within the area of the circle which has ON as a center. It should be noted with respect to Fig. 1 that the blades EA, Fig. 1, are always tangential to circle K *at both* ends of the diameter on which the point N is located. This tangential point is the same as the point of zero position referred to in this application. Since pivot N may be positioned anywhere within the circle which ON is the radius, a point may be found to satisfy the zero position recited in claims 10 and 11 merely by shifting the pivot N until the desired position is reached. [Italics quoted.]

Notwithstanding all the explanation and arguments that have been made on both sides, and the statement by the Board, we think the above quoted holding of the Examiner states the exact situation presented here.

The Board, upon reconsideration, had the following to say:

While appellant's claims may not be said to be drawn to a single means defined by function, as we stated in our decision, it is our view, nevertheless, that an inventor may not describe a machine which will perform a certain function and claim the function itself as the only distinguishing feature over a prior patent which is fully capable of performing such function without structural modification. That is the situation here since the mode of operation of the propeller as disclosed in this case involves nothing more than a matter of adjustment of the blades by one and the same means disclosed in appellant's patent into a position in which they operate at maximum efficiency.

Insofar as claim 11, and claim 10 as well, defines anything over the art, the distinction is one of an inherent function of an old means, namely the positioning of blades at a certain angle and it is considered that the public should be permitted, as a matter of right, to make the adjustment claimed or any other adjustment of the blades for any purpose it sees fit when the patent expires.

[1][2] Appellant's patent, which expires in August of this year, discloses the same general arrangement of rotating housing and adustable blades as does the application involved here, but the specific blade adjusting means is different in the device of the application. The adjustment of the blades is for the purpose of causing them to be in such a position at a certain period of their revolution as will pull in the water and then feather out at the proper time to relieve any drag and at the same time assist in keeping the boat on its proper course.

Addressing his attention to this phase of the case, the Solicitor for the Patent Office takes the position, and we think properly so, that the patented structure can be so adjusted as to locate the zero position of the blade as called for in the appealed claims; that, after all, what appellant now seeks is a patent for making an adjustment of the blades of his old disclosure; and that the adjustment means which are alleged to bring about a new result were disclosed in the patent. In other words, it is the position of the Solicitor, and that of the tribunals below, that when all confusing matter is discarded, the conclusion is obvious that appellant's claims call for nothing more than the adjustment of his old device by using the very same means in which other adjustments were previously taught.

Even if it is assumed that a readjustment in accordance with the alleged critical limitations in the claims brings a new and useful result not known or contemplated by appellant when he filed the application which ripened into his patent, it does not necessarily follow that he can now obtain a new article patent merely because he has discovered a new usefulness in a new adjustment of an old device. We are of the opinion that it is immaterial whether claims which merely define this difference between the application and the patent are functional in the sense in which the tribunals below have discussed them.

We have carefully considered the earnest contentions of appellant's counsel, representing the Alien Property Custodian, that the application discloses invention; but we are of the opinion that if the application does disclose an invention over that disclosed in appellant's patent, it is not defined by the appended claims. We must therefore hold that the Board properly affirmed the action of the Examiner in rejecting them.

The decision appealed from is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HOLLY MOLDING DEVICES

v.

ESQUIRE, INC.

No. 4,967. Decided March 5, 1945

[— F.(2d) —; 65 USPQ 125]

1. TRADE-MARKS—CORPORATE NAME.
   In determining whether there has been an appropriation of a corporate name *Held* that such terms as "Company," "Incorporated" and "Limited" must be ignored.
2. SAME—SAME.
   "In holding as we do that appellant has appropriated the entire corporate name of appellee, notwithstanding the fact that it does not use the term 'Inc.,' we must consider the language of the statute when it says 'consists merely in the name of * * * [a] corporation.' Appellant has taken all of the corporate name of appellee that has any bearing whatever on identifying the particular corporation, and it stands to reason that in the use of the term 'merely,' Congress did not contemplate that one would be privileged to appropriate everything about the corporate name that would serve to identify it and, by the omission of an insignificant part of the name, avoid the mandate of the provision."
3. SAME—SAME—DISTINCTIVE DISPLAY.
   Appellant's trade-mark, consisting of the word "Esquire" printed in block capitals of uniform size, placed in a straight line *Held* not displayed in a particular or distinctive manner.
4. SAME—SAME—DIFFERENCE IN GOODS.
   "Since we have held that appellant's mark is merely the name of appellee, we need not consider appellant's argument relating to the difference in character of its goods and those of appellee. *American Steel Foundries v. Robertson,*" 269 U. S. 372, 342 O. G. 711.

APPEAL from the Patent Office. Affirmed.

Mr. Albert J. Fihe for Holly Molding Devices.

Mr. Ernest A. Wegner for Esquire, Inc.

BLAND, *J.:*

The appellant, Holly Molding Devices, applied to the United States Patent Office for registration of its trade-mark, consisting of the word "Esquire" printed in block capitals of uniform size, placed in a straight line, for use upon hamburger molding machines. The appellee, Esquire, Inc., opposed said registration upon the ground that appellant sought to appropriate appellee's entire corporate name. The opposition is based upon that portion of the proviso to § 5 of the Trade-Mark Act of February 20, 1905, which states that

"no mark which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed, or woven in some particular or distinctive manner * * * shall be registered under the terms of this Act." 15 U. S. C. § 85 (1940).

The record shows that the corporate name of appellee since 1939 (prior to appellant's first use of its trade-mark) has been Esquire, Inc. There is nothing except the answer of appellant to appellee's notice of opposition which discloses the nature of the goods dealt in by the appellee corporation, Esquire, Inc. While immaterial in view of our conclusion, it was disclosed, without controversy, in argument before this court that Esquire, Inc., appellee, is now and has been continuously, since 1939, publishing a well-known magazine under the title Esquire.

The Commissioner of Patents, speaking through an Assistant Commissioner, affirmed the decision of the Examiner of Trade-Mark Interferences, which sustained the opposition and adjudged that the trade-mark should not be registered. 58 USPQ 564. Appellant has here appealed and contends: (1) that appellee's corporate name is Esquire, Inc., that appellant has not appropriated the entire name of appellee, and that therefore appellant's mark does not consist merely in the name of the appellee corporation; (2) that hamburger molding machines are merchandise wholly different in character from magazines, and that therefore there is no likelihood of confusion; (3) that appellant's application shows the trade-mark to be printed in a "particular or distinctive manner."

The first question to determine is whether appellant's trade-mark "consists merely in the name of" the appellee corporation.

The Supreme Court of the United States interpreted the statutory provision now under consideration in the case of *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 342 O. G. 711. There the corporate name involved was the "Simplex Electric Heating Company." Another had attempted to appropriate for a trade-mark the word "Simplex." The Court laid down the following principle with reference to the said prohibition in the registration statute:

The provision, therefore, that no mark consisting merely in the name of a corporation shall be registered, is to be construed in harmony with those established principles in respect of the appropriation of corporate names to which we have referred. Where the appropriation of the corporate name is complete, the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more. But where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs.

[1] Appellant contends that in determining whether it has appropriated the entire name of appellee, we cannot ignore the term "Inc." Appellee, agreeable to the holdings of the tribunals below, contends that in cases of this character the law is well settled that such terms as "Inc.," "Incorporate," "Company," etc., must be ignored. We are in agreement with the latter view.

We think the rule was clearly stated by Assistant Commissioner Frazer in *White Cap Company* v. *Allied Stores Corporation*, 41 USPQ 554, in the following language:

The Examiner's ruling finds no support in the decisions of the courts or of the Commissioner of Patents. It has been the uniform practice to ignore such words as "company," "incorporated" and "limited" in corporate names, on the theory that they do not serve to identify any particular corporation. For example, it was held by the Court of Appeals of the District of Columbia in *The Asbestone Co.* v. *The Philip Carey Manufacturing Co.*, 41 App. D. C. 507, that "Asbestone" was the corporate name of The Asbestone Company; and that case was cited with approval by the Court of Customs and Patent Appeals in *Feldman* v. *Amos and Andy*, 21 C. C. P. A. 823, 68 F.(2d) 746 [20 USPQ 189]. In the Patent Office it has been held that "Fire Fighter" is the corporate name of The Fyr-Fyter Company (*The Fyr-Fyter Co.* v. *William L. Barrell Co.*, 475 O. G. 688, 32 USPQ 260); that "Wizard" is the corporate name of Wizard, Inc. (*Ex parte Gruendler Crusher & Pulverizer Co.*, 156 Ms. D. 710, 10 USPQ 174); and that "Americanmaid is the corporate name of The American Maid Company (*Ex parte The American Thermos Bottle Co.*, 156 Ms. D. 301, 4 USPQ 326).

On this phase of the question, we think it is unnecessary to discuss the several cases cited by the Assistant Commissioner in the above quotation, since they are all to the same effect.

We are of the opinion, therefore, that appellant has appropriated the name of appellee within the meaning of the well-settled applicable rule, because the portion which it has not adopted does not serve to identify the corporation in any particular. The cases relied upon by the Assistant Commissioner and the Examiner, we think, abundantly support this holding.

[2] In holding as we do that appellant has appropriated the entire corporate name of appellee, notwithstanding the fact that it does not use the term "Inc.," we must consider the language of the statute when it says "consists merely in the name of * * * [a] corporation." Appellant has taken all of the corporate name of appellee that has any bearing whatever on identifying the particular corporation, and it stands to reason that in the use of the term "merely," Congress did not contemplate that one would be privileged to appropriate everything about the corporate name that would serve to identify it and, by the omission of an insignificant part of the name, avoid the mandate of the provision.

[3] We think appellant's second contention—that its mark is printed in a particular or distinctive manner—is without merit. The letters of the word "Esquire" are all capitals of the same type. There is nothing unusual, "particular or distinctive" about

their appearance or arrangement. The correct rule on this subject was stated in the case of *In re Artesian Manufacturing Company*, 37 App. D. C. 113, 166 O. G. 988, by the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia), quoting from the decision of the Commissioner of Patents in *Ex parte Polar Knitting Mills*, 154 O. G. 251, as follows:

It is believed that the controlling principle underlying the requirement of the statute that a mere name, unless written or printed in a distinctive manner, may not be registered, is that the distinctive manner in which the name is displayed must be of a character as to give such a distinct impression to the eye of the ordinary observer as to outweigh the significance of the mere name.

See also *In re Nisley Shoe Co.*, 19 C. C. P. A. (Patents) 1211, 58 F.(2d) 426, 13 USPQ 304, 423 O. G. 4, and *In re American Steel and Wire Co. of New Jersey*, 23 C. C. P. A. (Patents) 841, 81 F.(2d) 397, 28 USPQ 348, 464 O. G. 951.

[4] Since we have held that appellant's mark is merely the name of appellee, we need not consider appellant's argument relating to the difference in character of its goods and those of appellee. *American Steel Foundries* v. *Robertson*, supra.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DUKEHART, JR., ET AL.

No. 4,971. Decided March 5, 1945

[148 F.(2d) 111; 65 USPQ 132]

1. PATENTABILITY—CONTAINER.
   A claim to a container *Held* unpatentable over the prior art.
2. SAME—KNOWLEDGE OF PRIOR ART.
   "In the brief for appellants it is stated, in effect, that they conceived the device defined in the claim 'without any suggestions or teachings from the prior art.' We do not question the truth of the statement, but the fact that appellants had no knowledge of the prior art does not render their device patentable."

APPEAL from the Patent Office. Affirmed.

Messrs. Mason & Porter (*Mr. Eugene G. Mason* of counsel) for Dukehart, Jr., et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

Appellants bring before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting claim No. 6 of their joint application (Serial No. 359,954, filed October 5, 1940) for patent for a container, stated in their brief to be "particularly adapted for the packaging of smoking tobacco."

The claim reads:

6. A container comprising a body portion, a cover end secured to the body portion by a double seam, said body portion having score lines extending around the same below the double seam and forming therebetween a rip strip adapted to be removed for permitting the opening of the container, said cover end having a depressed portion adapted to extend into said body and make frictional contact therewith for holding said cover end in place when used as a re-closure cover, said cover end having a further depressed portion centrally thereof provided with an upwardly extending integral hollow knob, the upper end of which is disposed below the plane of the upper edge of a double seam.

It is thought that the device may be visualized from the claim itself, but it is not amiss to quote the following description stated in the brief of the Solicitor for the Patent Office before us:

The cover [of the container] is sealed to the upper edges of the container by a double seaming below which there is a rip strip. This strip is torn off to enable the cover to be removed. The cover, however, is so formed with a depressed portion which will fit closely inside the container that the container may be closed therewith to make an efficient seal therefor. The cover is made with a depressed portion in the middle of which is formed a knob.

The Examiner rejected the claim as unpatentable over the prior art, citing as references the following patents: O'Brien et al., 1,764,883, June 17, 1930; Geiger, 1,557,826, October 20, 1925; Clare (British), 313,029, June 5, 1929; Hermani, 1,863,793, June 21, 1932.

In its decision the Board referred to each of the references so cited by the Examiner, and agreed with the Examiner that appellants' combination presented nothing patentable over the disclosures of such prior art.

It is apparent that every structural feature of the claim is disclosed in the prior art cited, but it is contended by appellants that they are not shown in the combination as appellants arrange them.

The patent to O'Brien et al. for a replaceable receptacle closure discloses every structural feature of the claim except the knob in the center of the cover, and such a knob is shown in each of the devices in the other patents. The Hermani device (a "provision safe"), for example, discloses a cover having a depression in which depression there is a knob that serves as a handle for lifting the cover, the upper end of the knob disposed below the upper plane of the cover. It does not show the cover secured to the body portion of the safe by a double seam which constitutes a rip strip, but as has been indicated, that feature is present in the device of O'Brien et al.

[1] All that appellants did, so far as the claim at issue is concerned, was to apply a knob such as that of Hermani to a cover secured to the body of a container by a double seam constituting a rip strip such as is shown by O'Brien et al. Doubtless some modifications were necessary to fit the parts for use in appellants' container, but those modifications were within the realm of mechanical skill and cannot properly be said to have been inventive in any patentable sense.

[2] In the brief for appellants it is stated, in effect, that they conceived the device defined in the claim "without any suggestions or teachings from the prior art." We do not question the truth of the statement, but the fact that appellants had no knowledge of the prior art does not render their device patentable.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DALZELL ET AL.

No. 4,964. Decided March 5, 1945. Petition for rehearing denied April 9, 1945

[148 F.(2d) 357; 65 USPQ 215]

1. APPEAL—REASONS OF APPEAL.
   Where each of two claims of appellants' application was rejected on two separate grounds, and in the case of each claim one of the grounds of rejection was not challenged by the reasons of appeal, *Held* that the rejections of these claims must be affirmed without consideration of the merits.
2. PATENTABILITY—AGGREGATION.
   "Claim 2 was rejected as an aggregation of the multiple section heat exchanger and the specific construction of the manifold; claim 3, as an aggregation of flexible arms through which the medium of heat exchange passes and the specific multi-zoned heat exchange plate; claim 4, because of the lack of patentable relation between the supporting means and the plurality of zones of the heat exchanger or the base. We agree with those rejections for the reason no joint functional cooperation exists between the stated means, and each operates independently of the presence or absence of the other."
3. SAME—INVENTION—REINFORCEMENT.
   "The mere reinforcing of any member for any purpose is not of itself a matter of invention."
4. SAME—OLD COMBINATION.
   "Claim 27 defines the heat exchange sections, the liquid supply chamber with holes in the bottom thereof through which the milk percolates to the heat exchange sections, a pipe to supply liquid to the chamber and baffle means in the chamber to distribute the flow of liquid uniformly. It was rejected as an old combination in view of the patents to Feldmeier et al. and Mojonnier et al. The former patent discloses a combination of heat exchange sections, perforated milk supply means, and a supply pipe to the chamber. The device of the Mojonnier et al. patent shows a like organization. In our opinion the baffle of appellants' structure as a distributing means, even though it may be an improvement over the distributing means of those patents, does not modify the other elements in the combination. Therefore we agree that claim 27 was properly rejected."
5. SAME—HEAT EXCHANGER.
   "In our opinion the appealed claims call for merely such changes as would be made, if thought desirable, by one skilled in the art in designing a heat exchanger. While it is true that the prior art does not contain an exact counterpart of the device defined by the rejected claims, the differences are clearly not patentable. The appealed claims seem to be directed to nothing more than a gathering together of parts of the prior art structures in a palpably obvious manner to make a structure which possibly may be better than any of those in the prior art, but nevertheless the building of such structure does not involve invention."

APPEAL from the Patent Office. Affirmed.

Mr. Norman E. H. Deletzke for Dalzell et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellants appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner in finally rejecting claims 1 to 10 inclusive, 12 to 20 inclusive, 22, 27, 31, and 53 of their application for a patent on improvements in a "Heat Exchange Device." Claim 11 was allowed by the Examiner and claims 23, 29, and 30 were allowed by the Board reversing the decision of the Examiner with respect thereto.

The rejections were based on lack of invention over the cited prior art. Certain claims were also rejected as aggregative.

The invention relates to a relatively conventional multi-zoned heat exchange device such as is used in cooling milk by trickling the milk from a source over plates through which a cooling medium circulates and gathering the milk in a trough at the bottom of the plates. While the application is long and the claims are many, in our opinion the device may be readily understood from a reading of claim 1, which we quote:

1. In a heat exchanger for liquids of the class in which a plurality of heat exchange sections is swingably mounted above a base to move laterally from close side by side operative positions to positions in which they are accessible for cleaning, the combination with said base of a series of heat exchange medium supply and return manifolds mounted in spaced vertical relation upon said base, spacing means to maintain said manifolds in spaced vertical relation, means for securing said manifolds upon said base, and hinge means mounting said heat exchange sections upon said manifolds, whereby the heat exchange medium supply and return manifolds, said spacing means and said securing means become the vertical frame upon which the said sections are swingably mounted above said base.

The references relied upon are: Desobry, 1,373,953, April 5, 1921; Hope, 1,492,847, May 6, 1924; Mojonnier et al., 2,040,947, May 19, 1936; Behringer, 2,061,645, November 24, 1936; Mojonnier, 2,169,054, August 8, 1939; Feldmeier et al., 2,190,584, February 13, 1940; Cornell, 2,200,355, May 14, 1940; Newhall, 2,211,514, August 13, 1940.

Claim 1 was rejected as lacking invention over the patents of Feldmeier et al., Newhall, or Cornell.

Claim 2 was rejected as not patentable over the patents to Newhall and Mojonnier et al., in view of the patents to Behringer and Hope, and was also rejected as aggregative.

Claim 3 was rejected on the patents to Newhall, Feldmeier et al. or Behringer, singly or in view of Mojonnier et al., and also as aggregative.

Claim 4 was rejected as unpatentable over the Behringer patent in view of the patents of Newhall or Cornell, and further as lacking invention over the patents to Newhall or Cornell in view of Behringer. It was also rejected as aggregative.

Claims 5 and 6 were rejected as lacking invention over the patent to Behringer or the patent to Mojonnier et al. Claim 6 was also rejected as reciting new matter, but this rejection was reversed by the Board.

Claim 7 was rejected as not inventive over the patent to Feldmeier et al., and also as indefinite. The latter rejection was also reversed by the Board.

Claims 8, 9, 12, 13, 19 and 53 were rejected for lack of invention over the patents to Feldmeier et al. or Cornell in view of Desobry.

Claims 10 and 14 were rejected as failing to patentably distinguish from the patents to Mojonnier et al., Cornell or Feldmeier et al. Claim 10 was also rejected as indefinite.

Claims 15, 16, 17, and 18 were rejected as unpatentable over either the patent to Behringer or the patent to Mojonnier et al.

Claim 20 was rejected as lacking invention over the patent to Mojonnier et al. in view of the patent to Feldmeier et al., and also as aggregative.

Claim 22 was rejected on the patents to Mojonnier et al. and Cornell.

Claim 27 was rejected as drawn to an old combination in view of the patents to Feldmeier et al. and Mojonnier et al.

Claim 31 was rejected for lack of invention over the patent to Mojonnier or the Feldmeier et al. reference.

[1] The rejection of claim 10 by the Examiner as being indefinite was not reversed by the Board, and therefore must be considered as having been affirmed. Since no error has been alleged as to this rejection the decision must be affirmed by us without considering its merits. *In re Rosenblatt*, 28 C. C. P. A. (Patents) 1036, 118 F.(2d) 590, 49 USPQ 117, 530 O. G. 506.

The rejection of claim 20 on the ground of aggregation has not been challenged by the reasons of appeal and therefore must be affirmed.

We do not think it necessary to state with particularity the disclosures of the references. Suffice it to say that, with the exception of the Hope patent, all of them relate to heat exchange devices. That patent was cited to show that the use of heat exchange manifolds is old in the art. In discussing the claims we will point out their relationship to the prior art.

In the rejection of claim 1, the Feldmeier et al. patent—property of appellants' assignee—was relied upon as disclosing a plurality of swingable heat exchange sections with supply and return manifolds vertically spaced and supported. The lower end of the device was properly considered by the Examiner as a base. The patents of Newhall and Cornell disclose somewhat similar heat exchange structures and the supporting means in those patents are equivalent to those in the device of appellants. The decision of the Board rejecting that claim will be affirmed.

[2] Claim 2 was rejected as an aggregation of the multiple section heat exchanger and the specific construction of the manifold; claim 3, as an aggregation of flexible arms through which the medium of heat exchange passes and the specific multizoned heat exchange plate; claim 4, because of the lack of patentable relation between the supporting means and the plurality of zones of the heat exchanger or the base. We agree with those rejections for the reason that no joint functional cooperation exists between the stated means, and each operates independently of the presence or absence of the other. Therefore it is not necessary to consider the rejection of those claims on the prior art.

Claims 5 and 6 define the detachable securing of the heat exchange sections to the hinges. The patent to Behringer discloses heat exchange sections swingably mounted on hinges, and the plates are detachable by means of bolts. The patent to Mojonnier et al. also shows bolts for similar purposes. The rejection, we agree, is proper.

Claim 7 defines a manifold mounted on the base of the device, the heat exchange sections mounted at corresponding ends upon the manifold, the standard, and means rigidly fixing one of the sections to the standard. The standard is the forward pipe or rod to which the middle heat exchange plate is attached. The patent to Feldmeier et al. discloses in one of the drawings the middle heat exchange section rigidly fixed similarly to that of appellants' device. The decision of the Board rejecting claim 7 will be affirmed.

Claims 8, 9, 12, 13, 19, and 53 relate to the milk container or trough associated with the side walls of the casing within which the entire working parts of the device are enclosed, and the fastening of said collecting chambers or troughs. The patent to Cornell teaches the association of the milk trough with the walls of the structure. The milk-collecting means of the device of the Desobry patent are rigidly attached to the side walls so that when the device is closed the pans on either side form one milk-accumulating means. Therefore in our opinion it would not involve invention to arrange the milk collector as was done by appellants in view of those patents. The decision of the Board of Appeals will be affirmed as to those claims.

Claim 14 defines the cabinet and hinge framework removably supporting the sections of the cabinet. Each of the patents to Mojonnier et al., Cornell, and Feldmeier et al. discloses a sectional cabinet surrounding the heat exchange sections. It is true that they do not show supporting framework for the casing sections, but it is clear that it would require only mechanical skill to provide, if so desired, a supporting frame. That claim, in our opinion, was properly rejected.

[3] Claims 15, 16, 17, and 18 recite the bracing of the liquid-distributing element above the heat exchange elements. The devices of the Behringer patent and the Mojonnier et al. patent, on their upper edge sections disclose braces intended to distribute liquid evenly over the heat exchange sections. Furthermore, the mere reinforcing of any member for any purpose is not of itself a matter of invention. The decision of the Board will be affirmed.

Claim 22 defines the milk-distributing chamber at the top of the heat exchange section and the milk-collecting chamber at the bottom thereof. The patents to Mojonnier et al. and Cornell disclose distributing chambers on top of the heat exchange sections, and even though the distributing and collecting chambers of the device of the rejected claim are swingable we do not think that such difference over the devices of the Mojonnier et al. and Cornell patents would involve the exercise of the inventive faculty.

[4] Claim 27 defines the heat exchange sections, the liquid supply chamber with holes in the bottom thereof through which the milk percolates to the heat exchange sections, a pipe to supply liquid to the chamber and baffle means in the chamber to distribute the flow of liquid uniformly. It was rejected as an old combination in view of the patents to Feldmeier et al. and Mojonnier et al. The former patent discloses a combination of heat exchange sections, perforated milk supply means, and a supply pipe to the chamber. The device of the Mojonnier et al. patent shows a like organization. In our opinion the baffle of appellants' structure as a distributing means, even though it may be an improvement over the distributing means of those patents, does not modify the other elements in the combination. Therefore we agree that claim 27 was properly rejected.

Claim 31 was rejected as lacking invention over the patent to Mojonnier or the patent to Feldmeier et al. It defines a latch means on the supporting frame and latch-engaging means in the sections for holding the parts in operating position. The device of the Mojonnier patent discloses a latch means on the sections which engages the distributing pipes on the frame. We see no invention in broadly providing latching means to hold heat exchange sections to each other, and if it were desirable it would be quite obvious to latch the sections together.

[5] In our opinion the appealed claims call for merely such changes as would be made, if thought desirable, by one skilled in the art in designing a heat exchanger. While it is true that the prior art does not contain an exact counterpart of the device defined by the rejected claims, the differences are clearly not patentable. The appealed claims seem to be directed to nothing more than a gathering together of parts of the prior art structures in a palpably obvious manner to make a structure which possibly may be better than any of those in the prior art, but nevertheless the building of such structure does not involve invention.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Appeals for the District of Columbia

W. M. WELCH MANUFACTURING COMPANY
v.
COE, COMMISSIONER OF PATENTS

No. 8,748. Decided March 19, 1945

[—F.(2d) —; 64 USPQ 539]

1. PATENTABILITY—METHOD OF MAKING FUSED QUARTZ ARTICLES.

Appellant's claimed method of making fused quartz articles, alleged by appellant to differ from the prior art references in the use of silicic acid, "an entirely different chemical compound" than powdered quartz crystals or other powders *Held* not to rise to the dignity of invention.

2. SUIT UNDER SECTION 4915 R. S.—CLAIMS CONSIDERED.

"Appellant seeks now to abandon the issue tried in the Patent Office; rid itself of the other claims and the specification which reveal a concept of use in the unqualified alternative of powdered quartz or silicic acid; read into the remaining claims, a new concept, based upon 'an entirely different chemical compound;' and secure an adjudication in this court of an issue not heretofore presented. This amounts to an attempt to secure a patent upon new claims, not considered by the Patent Office, and cannot succeed."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Raymond L. Greist (*Mr. Earle D. Crammond* of counsel) for W. M. Welch Manufacturing Company.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

Before MILLER, EDGERTON and ARNOLD, Associate Justices

MILLER, *A. J.*:

This is a proceeding under R. S. 4915. The claims are for a method of making fused quartz articles. All claims were denied both by the Patent Office and by the district court. On this appeal, it is contended that the claimed invention lies in the use of silicic acid, "an entirely different chemical compound" than powdered quartz crystals or other powders, in the first step of the process. This is the vital point, says appellant, at which the claimed discovery differs from the prior art references. We agree with the district court and the Patent Office that the methods described do not rise to the dignity of invention.[1]

Moreover, an examination of the claims in issue before the district court and the Patent Office tribunals reveals that when they were drawn, the so-called distinction was not in the mind of the inventor. Instead, it is an afterthought. Appellant seeks now to abandon the issue tried in the Patent Office; rid itself of the other claims and the specification which reveal a concept of use in the unqualified alternative of powdered quartz or silicic acid; read into the remaining claims, a new concept, based upon "an entirely different chemical compound;" and secure an adjudication in this court of an issue not heretofore presented. This amounts to an attempt to secure a patent upon new claims, not considered by the Patent Office, and cannot succeed.[2]

Affirmed.

[1] *Radtke Patents Corporation* v. *Coe*, 74 App. D. C. 251, 268, 122 F.(2d) 937, 954, 535 O. G. 3; *L. Sonneborn Sons, Inc.*, v. *Coe*, 70 App. D. C. 97, 100, 104, F.(2d) 230, 233, 502 O. G. 4; *Minnesota Mining & Mfg. Co.* v. *Coe*, 69 App. D. C. 217, 220, 99 F.(2d) 986, 989, 493 O. G. 946; *cf. The Mathieson Alkali Works, Inc.*, v. *Coe*, 69 App. D. C. 210, 214, 99 F.(2d) 443, 447, 497 O. G. 768.

[2] *Cherry-Burrell Corporation* v. *Coe*, — U. S. App. D. C. —, 143 F.(2d) 372, 567 O. G. 179; *Lucke* v. *Coe*, 63 App. D. C. 61, 69 F.(2d) 379, 439 O. G. 839; *Shoemaker* v. *Robertson*, 60 App. D. C. 345, 54 F.(2d) 456, 413 O. G. 565.

Disclaimers

2,193,810.—*Evan R. Wheeler* and *Ray Hoover*, Plainfield, N. J., and *Robert F. Dirkes*, Jamaica, N. Y. TELEGRAPH EXCHANGE SYSTEM. Patent dated Mar. 19, 1940. Disclaimer filed May 22, 1945, by the assignee, *The Western Union Telegraph Company*.

Hereby enters this disclaimer to claims 6, 7, 24, 25, 30, 40, 45, 46, and 60 of said patent.

2,193,811.—*Rolla F. Blanchard*, Westfield, N. J., and *William B. Blanton*, Merrick, and *Harry L. Browne*, Brooklyn, N. Y. SIGNALING SYSTEM AND APPARATUS. Patent dated Mar. 19, 1940. Disclaimer filed May 22, 1945, by the assignee, *The Western Union Telegraph Company*.

Hereby enters this disclaimer to claims 1, 4, 10, 17, 19, and 29 of said patent.

2,193,812.—*William B. Blanton*, Merrick, N. Y. TELEGRAPH EXCHANGE SYSTEM. Patent dated Mar. 19, 1940. Disclaimer filed May 22, 1945, by the assignee, *The Western Union Telegraph Company*.

Hereby enters this disclaimer to claim 1 of said patent.

2,246,807.—*Francis J. McCluskey* and *George W. Goldner*, St. Louis, Mo. FUSE SWITCH. Patent dated June 24, 1941. Disclaimer filed May 25, 1945, by the assignee, *James R. Kearney Corporation.*

Hereby disclaims claims 14, 15, 16, and 17 of said patent.

2,250,429.—*Norman P. Vickery*, Brockton, Mass. GOLF CLUB. Patent dated July 22, 1941. Disclaimer filed May 18, 1945, by the assignee, *The American Fork & Hoe Company.*

Hereby enters this disclaimer to claims 1 to 9 inclusive in said patent.

2,250,441.—*Norman P. Vickery*, Campello, Mass. GOLF CLUB. Patent dated July 22, 1941. Disclaimer filed May 18, 1945, by the assignee, *The American Fork & Hoe Company.*

Hereby enters this disclaimer to claims 19 to 21 inclusive in said patent.

2,342,429.—*Irving Shack*, Brooklyn, N. Y., and *Edwin A. Wilson*, Rutherford, N. J. ALKALI-RESISTANT IRON BLUE. Patent dated Feb. 22, 1944. Disclaimer filed May 26, 1945, by the assignee, *Interchemical Corporation.*

Hereby enters this disclaimer to claim 1 in said specification.

2,352,676.—*Sheldon H. Gainsley*, Minneapolis, Minn. TOY. Patent dated July 4, 1944. Disclaimer filed June 4, 1945, by the inventor.

Hereby enters this disclaimer to claims 1, 5, and 6 in said specification.

Register of Patents Available for Licensing or Sale

Pat. 2,187,124. AUTOMATIC CONTROL DEVICE. Patented Jan. 16, 1940. A regulator operable from a tilted position only, utilizing an electrically actuated switch, and operated by the passage of a volatile liquid from one chamber to the other of a two-chamber container. (Owner) Frank B. Harmon, 18 Hall St., Clifton, N. J. Group 33—66. Reg. No. 17.

Pat. 2,325,130. MEASURING DEVICE. Patented July 27, 1943. A pocket-size device, utilizing a rotary wheel for taking horizontal and vertical measurements which can be attached to a pocket rule. Means to produce an audible click each time a predetermined point is reached. (Owner) Frank B. Harmon, 18 Hall St., Clifton, N. J., assignor of one-half to Irving M. Blum. Group 35—65—71. Reg. No. 18.

Pat. 2,329,242. PLUG HANDLE. Patented Sept. 14, 1943. A rubber drain plug with an integral sharp-edged handle on the side and a lengthened lower portion which acts as a plunger upon removal of the plug. (Owner) Marie J. Best, 9 Tanglewylde Ave., Bronxville 8, N. Y. Group 30—31—51. Reg. No. 19.

Pat. 2,377,665. FIREPLACE ASHPAN. Patented June 5, 1945. A removable ashpan with hinged-cover center opening for ash disposal, adjustable to fit any fireplace. (Owner) Marie J. Best, 9 Tanglewylde Ave., Bronxville 8, N. Y. Group 33—59—73. Reg. No. 20.

Des. Pat. 133,295. DESIGN FOR A COMBINED TEA STRAINER AND CONTAINER. Patented Aug. 4, 1942. An open top strainer with perforations forming a design and an ornamental container in which it may be placed. (Owner) Marie J. Best, 9 Tanglewylde Ave., Bronxville 8, N. Y. Groups 33—51—59—73; 34—41. Reg. No. 21.

Notice

In accordance with the provisions of rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, August 22, 1945.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than August 6, 1945.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 3, 1945

[VOL. 576. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 426,466. THOMPSON-WEINMAN & CO. INC., Cartersville, Ga. Filed Dec. 11, 1939.

ATOMITE

FOR MECHANICALLY GROUND CALCIUM CARBONATE SUBSTANTIALLY FREE FROM PARTICLES LARGER THAN FIFTEEN MICRONS IN DIAMETER AND USED AS A FILLER FOR RUBBER, PAPER, PAINT, ETC.

Claims use since July 15, 1939.

Ser. No. 481,468. CROZER LAND ASSOCIATION, Philadelphia, Pa. Filed Mar. 29, 1945.

CHARMCO

FOR COAL.

Claims use since Mar. 5, 1945.

Ser. No. 481,743. J. LASKIN & SONS, CORP., New York, N. Y. Filed Apr. 5, 1945.

The Fur of Youth

No claim is made to the exclusive use of the word "Fur" apart from the mark as shown.

FOR TANNED AND TREATED SKINS.

Claims use since Mar. 19, 1945.

Ser. No. 482,100. ANDREW GELLER SHOE MANUFACTURING CO. INC., Brooklyn, N. Y. Filed Apr. 13, 1945.

Licito

FOR LEATHER.

Claims use since Feb. 1, 1945.

CLASS 2

RECEPTACLES

Ser. No. 470,062. ALLIED PLASTICS COMPANY, Los Angeles, Calif. Filed May 9, 1944.

Ziegfeld Girl

The surname "Ziegfeld" is disclaimed apart from the mark as shown.

FOR COMPACTS MADE OF PLASTICS AND/OR BASE METAL AND SOLD IN THE TRADE EMPTY.

Claims use since Nov. 4, 1943.

Ser. No. 470,063. ALLIED PLASTICS COMPANY, Los Angeles, Calif. Filed May 9, 1944.

Ziegfeld Pony Girl

The surname "Ziegfeld" is disclaimed apart from the mark as shown.

FOR COMPACTS MADE OF PLASTICS AND/OR BASE METAL AND SOLD IN THE TRADE EMPTY.

Claims use since Feb. 17, 1944.

Ser. No. 480,102. BROWN STEEL TANK COMPANY, Minneapolis, Minn. Filed Feb. 22, 1945.

BROWNIE

FOR METAL TANKS.
Claims use since June 10, 1937.

Ser. No. 480,103. BROWN STEEL TANK COMPANY, Minneapolis, Minn. Filed Feb. 22, 1945.



FOR METAL TANKS.
Claims use since June 10, 1937.

Ser. No. 482,162. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 14, 1945.

"NO ESCAPE"

FOR VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY.
Claims use since Mar. 26, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 470,958. BROWN & BIGELOW, St. Paul, Minn. Filed June 7, 1944.

MISSION LEATHER

No claim is made to the word "Leather" apart from the mark as shown.
FOR LEATHER GOODS—NAMELY, BILLFOLDS, WALLETS, KEY CASES, PORTFOLIOS, EMPTY COMB AND EMPTY FILE CASES, PHOTOGRAPH CASES.
Claims use since May 1, 1944.

Ser. No. 473,951. NATIONAL SILVER COMPANY, New York, N. Y. Filed Sept. 7, 1944.

HOLLYWOOD CRAFTSMEN

The words "Hollywood Craftsmen" are herewith disclaimed apart from the mark as shown.
FOR WALLETS, POCKETBOOKS, OVERNIGHT CASES, TOILET CASES, FITTED TRAVELING CASES AND HANDBAGS.
Claims use since Sept. 1, 1941.

Ser. No. 474,572. CALLAWAY MILLS, La Grange, Ga. Filed Sept. 25, 1944.

CALLAWAY MILLS

No claim is made herein to the notation "Callaway Mills" apart from the mark as shown. Applicant is the owner of registration 308,726.
FOR CANVAS PORTFOLIOS.
Claims use since June 30, 1944.

Ser. No. 478,388. HAROLD & HAROLD, New York, N. Y. Filed Jan. 8, 1945.

Presto

FOR CHANGE PURSES.
Claims use since Nov. 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,011. HOWARD D. DAY, doing business as Day & Frick, Philadelphia, Pa. Filed Feb. 20, 1945.

DAY & FRICK SPAR-POLISH SOAP

No claim is made to the words "Day & Frick," "Polish" and "Soap" except in the association shown. The lining appearing on the drawing represents shading.
FOR SOAP FOR CLEANING AND POLISHING WINDOWS, MIRRORS, BRASS, COPPER, NICKEL, ZINC, ALUMINUM, AUTOMOBILE RADIATORS, WINDSHIELDS, BATHROOM FIXTURES, OIL CLOTH, LINOLEUM.
Claims use since 1914.

CLASS 5

ADHESIVES

Ser. No. 474,574. CALLAWAY MILLS, La Grange, Ga. Filed Sept. 25, 1944.

CALLAWAY MILLS

No claim is made herein to the notation "Callaway Mills" apart from the mark as shown. Applicant is the owner of Reg. 308,726.
FOR ADHESIVES OF CELLULOSE MATERIAL FOR GENERAL USE.
Claims use since June 30, 1944.

Ser. No. 481,522. CORK IMPORT CORPORATION, New York, N. Y. Filed Mar. 30, 1945.

NOVOID

FOR WATERPROOF ADHESIVE CEMENTS.
Claims use to said goods in applicant's business since on or about Dec. 1, 1938; and to said goods by applicant's predecessor in business, Cork Import Corporation, a Pennsylvania corporation, from on or about June 1933, to Dec. 1, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,111. VITAMIN-ERG CO., INC., New York, N. Y. Filed Aug. 30, 1943.

VI-CHOCOLIN

The letters "VI" are disclaimed apart from the mark as shown.
FOR CHOCOLATE FOOD SUPPLEMENT CONTAINING VITAMINS.
Claims use since Mar. 2, 1942.

Ser. No. 469,439. MINER'S, INC., New York, N. Y. Filed Apr. 18, 1944.

Lan-O-glo

FOR MAKE-UP BASE.
Claims use since October 1943.

Ser. No. 474,878. C. L. S. PRODUCTS CORP., Pittsburgh, Pa. Filed Oct. 4, 1944.

I-ODORAL

FOR OINTMENT WHICH IS APPLIED EXTERNALLY FOR RELIEF OF ATHLETE'S FOOT, ACNE, DRY ECZEMA, POISON IVY, IMPETIGO, RINGWORM, SUMAC, POISON OAK, AND OTHER COMMON SKIN IRRITATIONS AND CONDITIONS.
Claims use since Aug. 1, 1934.

Ser. No. 475,705. HENRY F. TAYLOR, Glendale, Calif. Filed Oct. 25, 1944.

Western Gentlemen

No claim is made to the word "Gentlemen" apart from the mark shown.
FOR MEN'S TALCUM POWDER, HAIR TONIC, AFTER SHAVE LOTION, DEODORANTS, AND COLOGNE.
Claims use since July 1941.

Ser. No. 478,718. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Jan. 17, 1945.

RESPROOF

FOR SOLUTIONS, SUSPENSIONS AND EMULSIONS OF SYNTHETIC RESINS FOR USE IN THE TREATMENT OF TEXTILES AND OTHER FIBROUS MATERIALS TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF, INCLUDING IMPROVING THE WATER REPELLENCY OF THE FIBERS.
Claims use since Dec. 14, 1944.

Ser. No. 478,782. H. W. CARTER & CO. LIMITED, Bristol, England. Filed Jan. 19, 1945.

RIBENA

FOR BLACKCURRANT SYRUP PREPARED FOR MEDICINAL PURPOSES FOR THE PREVENTION AND TREATMENT OF CONDITIONS ASSOCIATED WITH VITAMIN "C" DEFICIENCY, PARTICULARLY HYPOVITAMINOSIS.
Claims use since January 1938.

Ser. No. 478,790. OAKITE PRODUCTS, INC., New York, N. Y. Filed Jan. 19, 1945.

-TRI-SAN-

FOR CHEMICAL PREPARATION HAVING DISINFECTING, DEODORIZING, AND CLEANING QUALITIES.
Claims use since Jan. 5, 1945.

Ser. No. 478,898. ROBERT T. PLATE, doing business as Curly Lox Products, Detroit, Mich. Filed Jan. 22, 1945.

Trio-ette

FOR FACE POWDER, ROUGE, AND LIPSTICK.
Claims use since Aug. 5, 1944.

Ser. No. 479,391. LICCO PACKING CO., INC., Merrick, N. Y. Filed Feb. 3, 1945.

PRIDEX

FOR LIQUID BLEACH.
Claims use by applicant since Nov. 20, 1944; and by its predecessor since January 1930.

Ser. No. 479,561. EUGENE, LTD., Brooklyn, N. Y. Filed Feb. 8, 1945.

radar

FOR PERMANENT WAVING SOLUTIONS AND HAIR DRYING SOLUTIONS.
Claims use since Jan. 26, 1945.

Ser. No. 480,183. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed Feb. 24, 1945.

CHEMICAL CAT

The word "Chemical" is disclaimed apart from the mark as shown.
FOR LIQUID RODENT REPELLENT.
Claims use since Aug. 18, 1944.

Ser. No. 480,275. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Feb. 27, 1945.

PREFIX

FOR FACE POWDER, FACE MAKE-UP IN CAKE OR SOLID FORM, FACE MAKE-UP IN LIQUID FORM, LIPSTICK, ROUGE, CREAMS FOR THE HANDS AND FACE, AND NAIL POLISH AND NAIL LACQUER FOR FINGER NAILS.
Claims use since Feb. 21, 1945.

Ser. No. 481,266. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 24, 1945.

Sultry

FOR PERFUMES.
Claims use since Nov. 28, 1944.

Ser. No. 481,290. P. H. D. LABORATORY, INC., New Orleans, La. Filed Mar. 24, 1945.

Elixir Cardabrom

No claim is made to the word "Elixir" apart from the mark as a whole.
FOR SEDATIVE MEDICINE RECOMMENDED FOR USE WHEREVER THE SEDATIVE ACTION OF A PURE BROMIDE IS INDICATED.
Claims use since March 1940.

Ser. No. 481,380. PICKER X-RAY CORPORATION, New York, N. Y. Filed Mar. 27, 1945.

VITALIX

FOR REPLENISHER FOR DEVELOPER FOR X-RAY FILM.
Claims use since November 1942.

Ser. No. 481,381. PICKER X-RAY CORPORATION, New York, N. Y. Filed Mar. 27, 1945.

PERFIX

FOR FIXER FOR X-RAY FILMS.
Claims use since November 1942.

Ser. No. 481,421. NUTRITION RESEARCH LABORATORIES, Chicago, Ill. Filed Mar. 28, 1945.

UVIDIN

FOR VITAMIN D CONCENTRATE.
Claims use since Mar. 9, 1945.

Ser. No. 481,423. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 28, 1945.

RADOVAC

FOR BIOLOGICAL PRODUCT EFFECTIVE AS A VACCINE.
Claims use since Jan. 10, 1945.

Ser. No. 481,465. CYRUS COOPER, INCORPORATED, New York, N. Y. Filed Mar. 29, 1945.

DESANOL

FOR SUPPOSITORIES USED IN THE TREATMENT OF RECTAL DISEASES.
Claims use since Jan. 16, 1945.

Ser. No. 481,504. WAVERLY PETROLEUM PRODUCTS COMPANY, Philadelphia, Pa. Filed Mar. 29, 1945.

TROXIDE

FOR DRY ACID COMPOUND FOR PICKLING METALS AND REMOVING OXIDES.
Claims use since Mar. 13, 1945.

Ser. No. 481,513. ALFRED C. ANDERSEN, Julesburg, Colo. Filed Mar. 30, 1945.

STUML

FOR INTERNAL MEDICINE USED FOR THE TEMPORARY RELIEF OF HYPER-ACIDITY AND IN THE TREATMENT OF SIMPLE DIARRHOEA.
Claims use since Mar. 1, 1938.

Ser. No. 482,036. ENDO PRODUCTS INC., New York, N. Y. Filed Apr. 11, 1945.

DESAFRIN

FOR MEDICINAL PREPARATION USED AS A CENTRAL NERVOUS SYSTEM STIMULANT.
Claims use since June 1, 1944.

Ser. No. 482,064. JACK MAY, doing business as Sardeau, New York, N. Y. Filed Apr. 12, 1945.

ZEBRA

FOR PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH.
Claims use since Jan. 5, 1939.

Ser. No. 482,410. AMERICAN DRUGGISTS SYNDICATE, INC., Long Island City, N. Y. Filed Apr. 21, 1945.

FRAZEX

FOR SOLUTION FOR TREATMENT OF ATHLETE'S FOOT, RINGWORM AND OTHER DISEASES OF THE SKIN CAUSED BY FUNGI.

Claims use since November 1942.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 481,908. THE REISS-PREMIER CORPORATION, West New York, N. J. Filed Apr. 9, 1945.

DRINKLESS

Applicant is the owner of Reg. No. 213,598.

FOR SMOKERS' PIPES, CIGARS AND CIGARETTE HOLDERS.

Claims use by applicant continuously since January 1927, but the trade-mark as shown in registration No. 213,598, of June 1, 1926, has been used by applicant and its predecessors in business continuously since May 1, 1924.

Ser. No. 481,909. THE REISS-PREMIER CORPORATION, West New York, N. J. Filed Apr. 9, 1945.

MISSION BRIAR

Applicant disclaims the word "Briar," apart from the mark as shown.

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.

Claims use since Jan. 12, 1944.

Ser. No. 481,960. HARRIET SACKS, New York, N. Y. Filed Apr. 10, 1945.

Baccotel

FOR SMOKING PIPES.

Claims use since Mar. 28, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 480,476. L. SONNEBORN SONS, INC., New York, N. Y. Filed Mar. 3, 1945.

TRIMIX

FOR LIQUID PREPARATION TO BE INCORPORATED WITH OR APPLIED TO CEMENT AND CONCRETE FOR THE PURPOSE OF CONTROLLING AND ACCELERATING ITS SETTING, INCREASING ITS HARDNESS, TENSILE STRENGTH AND DURABILITY, RENDERING THE RESULTING PRODUCT IMPERVIOUS TO WATER AND PREVENTING ITS FREEZING DURING WINTER CONSTRUCTION.

Claims use since 1932.

Ser. No. 481,763. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 5, 1945.

TREMCAULK

FOR MASTIC COMPOUND FOR CAULKING, POINTING AND LIKE PURPOSES.

Claims use since Mar. 15, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 474,830. SAVAL COMPANY, Los Angeles, Calif. Filed Oct. 2, 1944.

Hydro-Shear

FOR HYDRAULIC VALVES AND HYDRAULIC VALVE PARTS ADAPTED FOR INCORPORATION IN FLUID SYSTEMS.

Claims use since Sept. 1, 1944.

Ser. No. 480,501. BRUNER CORPORATION, Milwaukee, Wis. Filed Mar. 5, 1945.

SUPREME

FOR WATER SOFTENERS AND FILTERS OF THE CHEMICAL CONTAINER TYPE SET IN A PLUMBING LINE.

Claims use since Aug. 15, 1944.

CLASS 19

VEHICLES

Ser. No. 468,907. ADOLPH N. SUTRO, Los Angeles, Calif. Filed Mar. 31, 1944.



No claim is made to the representation of an airplane and the descriptive phrase "Aircraft Parts and Accessories" apart from the mark shown.

FOR PROPELLER DRIVEN AIRCRAFT, PROPELLER DRIVEN AIRPLANES, GLIDERS, HELICOPTERS, JET PROPELLED AIRCRAFT, ROCKET PROPELLED AIRCRAFT, AIRCRAFT FUSELAGES, WINGS, STABILIZERS, ELEVATORS, TAILS, FINS, RUDDERS, FLAPS, AILERONS, AND LANDING GEARS.

Claims use since Mar. 16, 1944.

Ser. No. 475,154. MARTIN MACHINE COMPANY, Kewanee, Ill. Filed Oct. 10, 1944.

CARRYHAUL

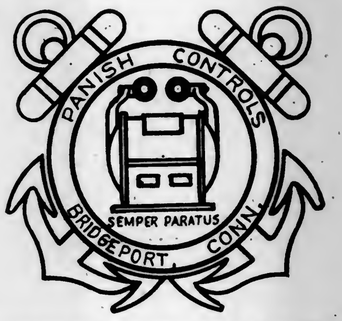
FOR TRAILERS.

Claims use since Sept. 16, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,090. ERWIN J. PANISH, doing business as Panish Controls, Bridgeport, Conn. Filed Apr. 6, 1944.



The representation of the goods and all wording appearing in the mark is hereby disclaimed apart from the mark shown.

FOR ELECTRIC REMOTE CONTROL AND SIGNAL EQUIPMENT FOR AERONAUTIC AND MARINE USE.

Claims use since Aug. 20, 1943.

Ser. No. 474,649. BETTS & BETTS CORPORATION, New York, N. Y. Filed Sept. 27, 1944.



FOR ELECTRIC RELAYS, ELECTRIC FLASHERS, TIMING CONTROLS FOR ELECTRIC CIRCUITS, CURRENT LOAD LIMITERS, ELECTRIC SWITCHES, ELECTRIC SOCKETS, ELECTRIC RECEPTACLES, ELECTRIC CONNECTION BOXES.

Claims use since Jan. 15, 1905.

Ser. No. 476,702. SPOTT ELECTRICAL CO., Oakland, Calif. Filed Nov. 20, 1944.

CATHON

FOR COLD CATHODE LIGHTING TUBES FOR ILLUMINATING PURPOSES.

Claims use since Oct. 19, 1944.

Ser. No. 479,319. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Filed Feb. 1, 1945.

SENSITRON

FOR ELECTRICAL RELAYS ENCASED WITH ENVELOPES CONTAINING A NORMAL OR CONTROLLED ATMOSPHERE.

Claims use since Oct. 10, 1944.

Ser. No. 479,322. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Feb. 2, 1945.

BLANKETWELD

FOR ELECTRODE HOLDERS FOR WELDING AND CUTTING METALS.

Claims use since Dec. 16, 1944.

Ser. No. 479,540. TEXFAN COMPANY, Houston, Tex. Filed Feb. 7, 1945.

Texfan

FOR ELECTRICALLY DRIVEN FANS OF THE CIRCULAR TYPE—NAMELY, DESK, WALL, CEILING, AND PEDESTAL FANS.

Claims use on name "Texfan" since about January 1938; and on trade-mark, as shown, since Jan. 20, 1945.

Ser. No. 482,303. TRANSFORMER ENGINEERING CORPORATION, Cleveland, Ohio. Filed Apr. 18, 1945.

TRENCO

FOR TRANSFORMERS, BALLASTS, REACTORS, CHOKES, MAGNETIC COILS, AND VOLTAGE REGULATORS.

Claims use since Aug. 22, 1940.

Ser. No. 482,347. RADIO TELEVISION PRODUCTS CORPORATION, Grass Lake, Mich. Filed Apr. 19, 1945.

RATEL

FOR ELECTRONIC INDUCTANCES.

Claims use since Dec. 6, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,526. KELLER TOOL COMPANY, Grand Haven, Mich. Filed June 22, 1944.

KELLER TOOLS

Applicant disclaims any exclusive right to the name "Keller" and to the word "Tools" apart from the mark as shown. The drawing is lined for red.

FOR PORTABLE PNEUMATIC DRILLS, SCREW DRIVERS, NUT SETTERS, AND RATCHET WRENCHES, GRINDERS AND BORING TOOLS, RIVETING HAMMERS, CHIPPERS AND SCALERS.

Claims use since Apr. 20, 1944.

Ser. No. 475,335. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed Oct. 14, 1944.

PUROLATOR

FOR FILTERS FOR THE PURIFICATION OF FUEL OIL, SEWER GAS, KEROSENE, AND OTHER REFINERY BY-PRODUCTS, AND USED AS ACCESSORIES TO ENGINES AND MACHINES MAKING USE OF SUCH FILTERED PRODUCTS.

Claims use to said goods since June 21, 1934; and to oil filters since July 1, 1924.

Ser. No. 477,349. BLACKHAWK MFG. CO., West Allis, Wis. Filed Dec. 9, 1944.

NUGGET

The checkered lining of the drawing indicates a yellow or gold color.

FOR WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLT DRIVING.

Claims use since Feb. 14, 1938.

Ser. No. 478,407. PROPORTIONEERS, INC., Providence, R. I. Filed Jan. 8, 1945.

FOR PROPORTIONING PUMPS, PARTS THEREOF AND BASES THEREFOR.

Claims use since March 1944.

Ser. No. 479,041. LANDERS, FRARY & CLARK, New Britain, Conn. Filed Jan. 26, 1945.

CRO-MO-LOY

FOR CUTLERY—NAMELY, KITCHEN AND TABLE KNIVES OF NON-PRECIOUS METALS.

Claims use since Jan. 2, 1945.

Ser. No. 479,611. B. T. BABBITT, INC., Albany and New York, N. Y. Filed Feb. 9, 1945.

Aunt Polly's

FOR CAKE DECORATOR SETS.

Claims use since February 1938.

Ser. No. 479,873. HAMMEL, RIGLANDER & CO., INC., New York, N. Y. Filed Feb. 16, 1945.

TIGER



FOR PLIERS, NIPPERS, HAMMERS, AND HAND VISES.

Claims use since Feb. 2, 1945.

Ser. No. 480,296. NORTON COMPANY, Worcester, Mass. Filed Feb. 27, 1945. Under 10-year proviso as to "Norton."

NORTON

FOR ABRADING, GRINDING AND LAPPING MACHINES FOR ABRADING, GRINDING AND LAPPING CYLINDRICAL SURFACES, CURVED SURFACES, PLANE SURFACES AND THE LIKE AND ATTACHMENTS THEREFOR NOT INCLUDING ABRADING ELEMENTS.

Claims use since Feb. 23, 1945 as to this mark; and since August 1885 as to "Norton".

Ser. No. 481,078. PAL BLADE COMPANY, New York, N. Y. Filed Mar. 19, 1945.

PAL HOLLOW GROUND

Applicant disclaims the words "Hollow Ground" apart from the mark.

FOR SAFETY RAZOR BLADES.

Claims use since January 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 475,281. SOCIETY FOR VISUAL EDUCATION, INC., Chicago, Ill. Filed Oct. 12, 1944.

FOR PICTURE-PROJECTION SETS OR OUTFITS, PICTURE PROJECTION APPARATUS AND MACHINES AND CARRYING CASES THEREFOR SOLD AS A UNIT, PICTURES AND SETS OF PICTURES AND DESCRIPTIVE MATTER CO-ORDINATED AND RELATED TO SAID PICTURES AND SETS OF PICTURES CONTAINED UPON SLIDES AND FILMS ADAPTABLE TO PROJECTION FROM PROJECTION MACHINE.

Claims use since 1927.

Ser. No. 476,992. STANDARD GAGE COMPANY, INC., Poughkeepsie, N. Y. Filed Nov. 28, 1944.

Decimatic

FOR DIAL INDICATORS FOR PRECISION LINEAR MEASUREMENTS.

Claims use since Aug. 12, 1944.

Ser. No. 477,497. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 13, 1944.

DINOGRAPHIC

FOR SENSITIZED PHOTOGRAPHIC FILM.

Claims use since Nov. 29, 1944.

Ser. No. 478,614. ENTERPRISE ENGINE & FOUNDRY CO., San Francisco, Calif. Filed Jan. 15, 1945.

METERMASTER

The word "Meter" is disclaimed ajart from the mark as shown.

FOR APPARATUS AFFIXED TO AN OIL PUMP TO MEASURE THE FLOW OF OIL THERETHROUGH.

Claims use since July 1, 1944.

Ser. No. 478,712. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Jan. 17, 1945.

HELIOS

Applicant is the owner of Reg. No. 40,523 (renewed).

FOR SENSITIZED PHOTOGRAPHIC PAPERS AND CLOTHS TO MAKE ENGINEERING REPRODUCTIONS.

Claims use since on or about Nov. 10, 1882; specifically for blueprint paper since Oct. 1, 1883; and for direct process papers since October 1944.

Ser. No. 481,016. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Mar. 17, 1945.

GRAPHIC "45"

FOR PHOTOGRAPHIC CAMERAS.

Claims use since August 1944.

Ser. No. 481,888. THE DI-NOC COMPANY, Cleveland, Ohio. Filed April 9, 1945.

DINOREFLEX

FOR SENSITIZED PHOTOGRAPHIC FILM.

Claims use since Feb. 11, 1945.

Ser. No. 482,092. CERTIFIED GAUGE & INSTRUMENT CORP., Long Island City, N. Y. Filed April 13, 1945.

KOREX

FOR PRESSURE GAUGES.

Claims use since Feb. 7, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 475,698. EDMOND MATHEZ, Tramelan (Canton of Berne), Switzerland. Filed Oct. 25, 1944.

SYMBOL

FOR WATCHES AND PARTS THEREOF.

Claims use since Feb. 21, 1944.

Ser. No. 480,361. WELTA WATCH CO., LTD., Bienne, Switzerland. Filed Feb. 28, 1945.

ORION

FOR WATCHES.

Claims use since Mar. 3, 1908.

Ser. No. 481,535. WILLIAM L. GILBERT CLOCK CORPORATION, Winsted, Conn. Filed Mar. 30, 1945.

QT

FOR CLOCKS.
Claims use since Mar. 16, 1945.

Ser. No. 481,661. RENE BRANDT, FABRIQUE D'HORLOGERIE OGIVAL, La Chaux-de-Fonds, Switzerland. Filed Apr. 3, 1945.

Ogival

FOR WATCHES AND PARTS OF THE WATCH.
Claims use since 1930.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 475,349. WALDRON & COMPANY, INC., Philadelphia, Pa. Filed Oct. 14, 1944.

STARLIGHT

FOR PRECIOUS STONES FOR ORNAMENTAL PURPOSES AND MOUNTINGS THEREFOR.
Claims use since Aug. 15, 1944.

Ser. No. 479,521. LEGION OF THE HALF-A-HEART, Los Angeles, Calif. Filed Feb. 7, 1945.

LEGION OF THE HALF-A-HEART

FOR PINS, BROOCHES, CLASPS, AND CLIPS.
Claims use since Aug. 15, 1944.

Ser. No. 481,540. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Mar. 30, 1945.

Serenity

FOR STERLING SILVER FLAT-WARE AND HOLLOW-WARE FOR TABLE USE AND THE LIKE.
Claims use since July 31, 1940.

Ser. No. 481,695. THE COWAN CO., New York, N. Y. Filed Apr. 4, 1945.

TCC

FOR FINGER RINGS.
Claims use since Nov. 15, 1944.

Ser. No. 481,696. THE COWAN CO., New York, N. Y. Filed Apr. 4, 1945.

TéCéCé

FOR FINGER RINGS.
Claims use since Sept. 18, 1944.

Ser. No. 481,905. PROVIDENCE JEWELERS, INC., Providence, R. I. Filed Apr. 9, 1945.



FOR NECKLACES, PINS, BRACELETS, BROOCHES, RINGS, EARRINGS, CLIPS, TIE HOLDERS, COLLAR HOLDERS AND CUFF LINKS, MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.
Claims use since Jan. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 477,258. COMMONWEALTH BEDDING MANUFACTURING CO., South Boston, Mass. Filed Dec. 6, 1944.

Beacon-Hill

FOR MATTRESSES, AND BOX SPRINGS.
Claims use since June 15, 1942.

Ser. No. 481,187. KROEHLER MFG. CO., Naperville, Ill. Filed Mar. 22, 1945.

5 STAR Comfort CONSTRUCTION

Applicant disclaims the words "Comfort Construction" excepting when used with the mark.
FOR UPHOLSTERED LIVING ROOM FURNITURE.
Claims use since Feb. 19, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 475,947. EXTENDED SURFACE, INC., Brooklyn, N. Y. Filed Nov. 1, 1944.

TILCO-FIN

The word "Fin" is disclaimed apart from the mark as shown.
FOR FINNED TUBING FOR HEAT EXCHANGE PURPOSES.
Claims use since Sept. 4, 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 476,516. JOHNS-MANVILLE CORPORATION, New York, N. Y. Nov. 16, 1944.

Cumpac

FOR MOLDED PACKING COMPOSED OF ASBESTOS AND A BONDING COMPOUND FOR MECHANICAL EQUIPMENT INCLUDING RODS, SHAFTS, PLUNGERS AND VALVE STEMS.
Claims use since Sept. 6, 1938.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 481,678. SCHERL & ROTH, INC., Cleveland, Ohio. Filed Apr. 3, 1945.

Equinote

FOR VIOLIN, VIOLA, CELLO, GUITAR, BASS AND HARP STRINGS.
Claims use since Jan. 19, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 472,943. THE CROMWELL PAPER COMPANY, Chicago, Ill. Aug. 4, 1944.

Crompaco

Applicant is the owner of Reg. No. 235,434.
FOR TYMPAN AND WATERPROOF, GREASEPROOF, MOISTURE-PROOF AND VAPOR-PROOF WRAPPING PAPER.
Claims use since July 7, 1944.

Ser. No. 479,610. B. T. BABBITT, INC., Albany and New York, N. Y. Filed Feb. 9, 1945.

AUNT POLLY'S

FOR REMEMBRANCE BOOK COMPRISING BLANK SPACES TO BE FILLED IN.
Claims use since June 1941.

Ser. No. 480,295. NORMAN D. MITCHELL, doing business as Wire-O-Binding Company of Chicago, Chicago, Ill. Filed Feb. 27, 1945.

Photo Master

The word "Photo" is disclaimed apart from the mark as shown.
FOR PHOTOGRAPH ALBUMS.
Claims use since Nov. 30, 1944.

Ser. No. 480,391. UNITED WALLPAPER, INC., Chicago, Ill. Filed Mar. 1, 1945.

VARLON

FOR WALL PAPER, BORDERS AND DECORATIVE PAPER COVERINGS TO BE USED UPON WALLS AND OTHER SURFACES AND SOLD IN ROLL OR SHEET FORM.
Claims use since Dec. 11, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 461,803. NATIONAL GLASS DISTRIBUTORS ASSOCIATION, Chicago, Ill. Filed July 1, 1943. Under the act of February 20, 1905, as amended June 10, 1938.

NATIONAL GLASS DISTRIBUTORS ASSOCIATION
AUTO GLASS PARTS SERVICE

All wording appearing on the drawing except "National" is disclaimed apart from the mark shown.
FOR PAMPHLETS OR CATALOGS DISTRIBUTED BY THE MEMBERS OF APPLICANT ASSOCIATION.
Claims use since 1936.

Ser. No. 467,885. GRAPHIC ARTS CORPORATION OF OHIO, Toledo, Ohio. Filed Mar. 1, 1944.

Gädi

FOR PRINTS OF MECHANICAL DRAWINGS, ARCHITECT'S PLANS, AND LIKE DESIGNS.
Claims use since Dec. 13, 1943.

Ser. No. 471,360. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed June 17, 1944.

COLOR DYNAMICS

The word "Color" is disclaimed apart from the mark as shown.
FOR A HOUSE ORGAN PUBLISHED FROM TIME TO TIME.
Claims use since Sept. 10, 1943.

Ser. No. 472,160. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed July 12, 1944.

Charm's Summing Up

FOR COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS, AND THE CHARACTER OF THE SUBJECT-MATTER COVERED BY SAID COLUMN IS A VARIETY OF ITEMS OF INTEREST TO YOUNG WOMEN, SUCH AS BEAUTY, HOME FURNISHINGS, FASHIONS, TRAVEL, CAREER AND CURRENT EVENTS.
Claims use since June 1, 1943.

Ser. No. 473,427. RKO TELEVISION CORPORATION, Dover, Del., and New York, N. Y. Filed Aug. 18, 1944.

TELESCRIPT

FOR PRINTED SCRIPTS PREPARED FOR TELECASTING.
Claims use since June 20, 1944.

Ser. No. 473,557. BERCKER-YOUNG COMPANY, Milwaukee, Wis. Filed Aug. 24, 1944.

Technigraphics

FOR PRINTED TECHNICAL CHARTS, TABLES AND DRAWINGS, SOLD AS SUCH.
Claims use since June 2, 1944.

Ser. No. 474,635. MARY PAOLOZZI, doing business as the Navy Family Magazine, Whittier, Calif. Filed Sept. 26, 1944.

NAVY FAMILY

No claim is made to the word "Navy" apart from the mark as shown.
FOR MAGAZINES.
Claims use since May 1938.

Ser. No. 476,150. THE DERRICK PUBLISHING COMPANY, Oil City, Pa. Filed Nov. 6, 1944.

The Oil City Blizzard

No claim is made for the words "Oil City" apart from the mark shown.
FOR DAILY NEWSPAPER.
Claims use since May 22, 1882.

Ser. No. 476,151. THE DERRICK PUBLISHING COMPANY, Oil City, Pa. Filed Nov. 6, 1944.

THE OIL CITY DERRICK..
THE ORGAN OF OIL

No claim is made for the words "Oil City" and "The Organ of Oil" apart from the mark shown.
FOR DAILY NEWSPAPER.
Claims use since 1871.

Ser. No. 476,152. THE DERRICK PUBLISHING COMPANY, Oil City, Pa. Filed Nov. 6, 1944.

THE ORGAN OF OIL
WEEKLY DERRICK

No claim is made for all wording appearing on the drawing except the word "Derrick" apart from the mark shown.
FOR WEEKLY NEWSPAPER.
Claims use since Mar. 1, 1934.

Ser. No. 477,230. THE HEARST CORPORATION, New York, N. Y. Filed Dec. 5, 1944.

PIN-UP GIRLS

FOR NEWSPAPER CARTOON.
Claims use since Apr. 17, 1944.

Ser. No. 480,198. MILTON B. SLEEPER, Great Barrington, Mass. Filed Feb. 24, 1945.

FM AND TELEVISION

The word "Television" is disclaimed apart from the mark shown.
FOR MONTHLY MAGAZINE RELATING TO TELEVISION.
Claims use since May 1, 1944.

Ser. No. 480,406. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Filed Mar. 2, 1945.

REDDY-TOON

FOR CARTOONS AND COMIC STRIPS PUBLISHED FROM TIME TO TIME.
Claims use since Aug. 7, 1944.

Ser. No. 480,807. CHARLES W. TONEY, Davenport, Iowa. Filed Mar. 10, 1945.

Sepia RECORD

Applicant disclaims the right to exclusive use of the word "Record" forming a part of this trade-mark, apart from the remainder of the mark.
FOR MAGAZINE OF ARTICLES AND PHOTOGRAPHS BY, OF, AND FOR COLORED PEOPLE.
Claims use since Mar. 17, 1944.

CLASS 39

CLOTHING

Ser. No. 471,035. KING OF SLACKS, INC., New York, N. Y. Filed June 8, 1944.

KING OF SLACKS

The word "Slacks" is herewith disclaimed apart from the mark as shown.
FOR SLACKS FOR WOMEN.
Claims use since June 16, 1943.

Ser. No. 480,774. A. KOMMEL & SONS, New York, N. Y. Filed Mar. 10, 1945.

Melko DE LUXE

The word "De Luxe" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since 1921.

Ser. No. 480,919. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Mar. 14, 1945.

FOR ARTICLES OF WEARING APPAREL FOR MEN AS FOLLOWS: OUTER SHIRTS, UNDERSHIRTS, SHORTS, JACKETS, SWEATERS, BATHING TRUNKS, AND NECKTIES.
Claims use since June 16, 1944.

Ser. No. 481,410. GREGORY & READ CO., Lynn, Mass. Filed Mar. 28, 1945.

Tacos

FOR LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since September 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 476,756. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, Yorkshire, England. Filed Nov. 22, 1944.

CROWLENE

FOR PIECE GOODS WHOLLY OR SUBSTANTIALLY WHOLLY OF WOOL.
Claims use since May 2, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 476,671. G. & G. PRECISION WORKS, INC., New York and Long Island City, N. Y. Filed Nov. 20, 1944.



FOR CARDIOGRAPHS.
Claims use since Nov. 1, 1944.

Ser. No. 479,562. EUGENE, LTD., Brooklyn, N. Y. Filed Feb. 8, 1945.

radar

FOR ELECTRIC HAIR DRIERS, PERMANENT HAIR WAVING MACHINES AND ACCESSORIES—NAMELY, PERMANENT WAVING HAIR CURLERS, CLAMPS, SMOOTHING PINS AND PADS.
Claims use since Jan. 26, 1945.

Ser. No. 481,836. HUGH F. COOK, doing business as Accreylon Company, New York, N. Y. Filed Apr. 7, 1945.

Poise

FOR SANITARY PADS AND NAPKINS.
Claims use since Feb. 28, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 458,486. SCHROEDER BROS., INC., New York, N. Y. Filed Feb. 11, 1943.



FOR CHEESE.
Claims use since June 6, 1941.

Ser. No. 462,315. KELCO COMPANY, San Diego, Calif. Filed July 26, 1943.

KELCO

FOR ALGIN PRODUCT SOLD DIRECT IN BULK TO MANUFACTURERS AND TO JOBBERS FOR RESALE TO MANUFACTURERS, FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, THICKENING, SUSPENDING, EMULSIFYING, GEL-FORMING AND WATER HOLDING PROPERTIES IN ICE CREAM, ICED MILK, SHERBETS, WATER ICES, CHOCOLATE MILK, CONFECTIONERIES SUCH AS CANDY JELLIES, FRUIT JELLIES, CHEESE, SALAD DRESSING, PUDDINGS, DEHYDRATED FOODS, MEAT PRODUCTS, BAKERY PRODUCTS SUCH AS BREAD, MERINGUE, ICINGS, AND OTHER FOOD PRODUCTS.
Claims use since Feb. 1, 1930.

Ser. No. 470,137. CAFES, CHOCOLATES AGUILA Y PRODUCTOS SAINT HERMANOS, SOCIEDAD ANONIMA, Buenos Aires, Argentina. Filed May 11, 1944.

Saint

FOR CHOCOLATE, MILK CHOCOLATE, MILK MARMALADE, YERBA MATE, CANDIES, AND WHEAT FLOUR.
Claims use since 1880.

Ser. No. 476,357. BREYER ICE CREAM COMPANY, INC., New York, N. Y. Filed Nov. 11, 1944.

GOLDEN PAGODA

Applicant is the owner of Reg. No. 409,787.
FOR FRIED READY-TO-SERVE NOODLES.
Claims use since Jan. 6, 1944.

Ser. No. 480,545. H. GORDON MACMUNN, doing business as Icet Company, Newark, N. J. Filed Mar. 6, 1945.

ICET

FOR BASE PREPARATION FOR CAKE ICING.
Claims use since Feb. 23, 1945.

Ser. No. 481,179. DIAMOND T PRESERVING CO., Los Angeles, Calif. Filed Mar. 22, 1945.

CALIFORNIA MORNING

No claim is made to the word "California" apart from the mark as shown.
FOR BERRY PRESERVES, JELLIES, AND MARMALADES.
Claims use since Mar. 7, 1945.

Ser. No. 481,387. HOLMES B. TABB, doing business as H. E. Tabb Co., Oceano, Calif. Filed Mar. 27, 1945.



The picture forming a part of the trade-mark is a picture of Mrs. H. E. Tabb, the mother of the applicant, taken when she was a child.
FOR FRESH VEGETABLES.
Claims use since Feb. 10, 1945.

Ser. No. 482,671. CONCORD FOODS, INC., Concordville, Pa. Filed Apr. 27, 1945.



FOR CANNED MUSHROOMS.
Claims use since September 1940.

Ser. No. 482,876. GOLD MEDAL CANDY COMPANY, Brooklyn, N. Y. Filed May 2, 1945.

You Bet

FOR CANDY.
Claims use since Feb. 23, 1945.

CLASS 47

WINES

Ser. No. 472,470. SAMUEL STEINBACH, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Filed July 21, 1944.

DELTA

FOR VERMOUTHS, CHAMPAGNES AND OTHER WINES.
Claims use since May 7, 1940.

Ser. No. 481,391. VILLAGE WINERY, INC., Escalon, Calif. Filed Mar. 27, 1945.



No claim is made to the word "Old" apart from the mark as shown. No claim is made to the representation of the grapes apart from the mark as shown.

FOR WINES.

Claims use since January 1942.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 481,437. ADAM SHEIDT BREWING COMPANY, Norristown, Pa. Filed Mar. 28, 1945.



FOR BEER.

Claims use since 1900.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 469,538. GENERAL DISTILLERIES CORPORATION, Hartford, Conn. Filed Apr. 21, 1944.



FOR RUM.

Claims use since Apr. 3, 1944.

Ser. No. 479,005. THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md. Filed Jan. 25, 1945.



FOR WHISKEY, BRANDY, GIN AND LIQUEUR.

Claims use since Nov. 2, 1942.

Ser. No. 481,480. LEROUX & CO., INC., Philadelphia, Pa. Filed Mar. 29, 1945.

Gold-O-Mint

The word "Mint" is disclaimed apart from the mark as shown.

FOR CREME DE MENTHE.

Claims use since Oct. 10, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 477,286. TONI, INC., St. Paul, Minn. Filed Dec. 6, 1944.

Toni

FOR HOME PERMANENT WAVING KIT CONSISTING OF CURLERS, COLD WAVE WAVING LOTION AND NEUTRALIZER POWDER USED IN PERMANENT WAVING OF THE HAIR.

Claims use since Aug. 1, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 3, 1945

414,861. POCKET KNIVES. IMPERIAL KNIFE COMPANY, INC., Providence, R. I.
Filed January 4, 1944. Serial No. 466,303. PUBLISHED APRIL 24, 1945. Class 23.

414,862. AUTOMOBILES AND THEIR STRUCTURAL PARTS. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio.
Filed January 7, 1944. Serial No. 466,387. PUBLISHED APRIL 24, 1945. Class 19.

414,863. COTTON PIECE GOODS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed January 29, 1944. Under section 5b of the Act of 1905 as amended in 1920. Serial No. 466,969. PUBLISHED APRIL 17, 1945. Class 42.

414,864. AIRPLANES. WESTERN AIR LINES, INC., Los Angeles, Calif.
Filed March 8, 1944. Serial No. 468,092. PUBLISHED APRIL 24, 1945. Class 19.

414,865. SANITARY NAPKINS. SAN-NAP-PAK MFG. CO., INC., New York, N. Y.
Filed March 10, 1944. Serial No. 468,163. PUBLISHED APRIL 24, 1945. Class 44.

414,866. BLOW OUT AND NAIL HOLE BOOTS, HOSE AND TIRE REPAIR KITS, AND HOT PATCHES. CLIFTON T. SPEAR, doing business as The Diamond Spear Co., Texarkana, Tex.
Filed JUNE 9, 1944. Serial No. 471,106. PUBLISHED APRIL 24, 1945. Class 35.

414,867. CLOCKS. THE E. INGRAHAM COMPANY, Bristol, Conn.
Filed June 15, 1944. Serial No. 471,260. PUBLISHED APRIL 24, 1945. Class 27.

414,868. MERCHANDISE ENVELOPES FORMED OF "CELLOPHANE", "PLIOFILM" OR THE LIKE, WITH OR WITHOUT PAPER COVERS. IVERS-LEE COMPANY, Newark, N. J.
Filed June 23, 1944. Serial No. 471,560. PUBLISHED APRIL 24, 1945. Class 2.

414,869. ENGINE CLUTCH AND REVERSE GEAR MECHANISM, HYPOID AND HELICAL GEARS, LIFEBOAT RELEASING GEARS, TURBINE TYPE PUMPS, WATER VEHICLE MECHANICAL STEERING DEVICES, ETC. HIGGINS INDUSTRIES, INC., New Orleans, La.
Filed July 12, 1944. Serial No. 472,147. PUBLISHED APRIL 24, 1945. Class 23.

414,870. MACHINE TOOL CONTROL IN THE NATURE OF A PRE-SETTABLE MECHANISM FOR CAUSING A METALWORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PRE-DETERMINABLE OPERATIONS. THE BULLARD COMPANY, Bridgeport, Conn.
Filed June 31, 1944. Serial No. 472,762. PUBLISHED APRIL 24, 1945. Class 23.

414,871. CRUCIBLES AND FURNACE COVERS FOR INDUSTRIAL FURNACES. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed August 1, 1944. Serial No. 472,805. PUBLISHED APRIL 24, 1945. Class 34.

414,872. MACHINE TOOL CONTROL IN THE NATURE OF A PRE-SETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PRE-DETERMINABLE OPERATIONS. THE BULLARD COMPANY, Bridgeport Conn.
Filed August 30, 1944. Serial No. 473,722. PUBLISHED APRIL 24, 1945. Class 23.

414,873. MACHINE TOOL CONTROL IN THE NATURE OF A PRE-SETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PRE-DETERMINABLE OPERATIONS. THE BULLARD COMPANY, Bridgeport, Conn.
Filed August 30, 1944. Serial No. 473,723. PUBLISHED APRIL 24, 1945. Class 23.

414,874. COSMETIC KITS CONTAINING: FOUNDATION LOTION, SKIN FRESHENER, CREAM ROUGE, SPECIAL SKIN CREAM, CLEANSING CREAM, FACE POWDER, LIPSTICK, MIRROR AND CLEANSING TISSUES. RICHARD HUDNUT, New York, N. Y.
Filed September 7, 1944. Serial No. 473,946. PUBLISHED APRIL 24, 1945. Class 50.

414,875. COTTON RUGS. LAWRENCE PRODUCTS CO., Attalla, Ala.
Filed September 18, 1944. Serial No. 474,334. PUBLISHED APRIL 17, 1945. Class 42.

414,876. MEN'S AND BOYS' SHIRTS AND PAJAMAS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed September 22, 1944. Serial No. 474,507. PUBLISHED APRIL 24, 1945. Class 39.

414,877. RECTAL SUPPOSITORY. SPECIFIC PHARMACEUTICALS, INC., New York, N. Y.
Filed September 25, 1944. Serial No. 474,611. PUBLISHED FEBRUARY 6, 1945. Class 6.

414,878. TOYS AND GAMES MADE OF WOOD, CARDBOARD, AND PLASTICS—NAMELY, TOY SCENERY, TOY PUZZLES, TOY ANIMALS, TOY AIRPLANES, TOY CUT-OUT DOLLS, TOY CUT-OUT GAMES, TOY CUT-OUT ANIMALS, TOY CUT-OUT AIRPLANES, TOY CUT-OUT SCENERY, AND TOY CUT-OUT BUILDINGS. SILAS M. FORD, JR., doing business as Sifo Novelty Company, St. Paul, Minn.
Filed October 13, 1944. Serial No. 475,308. PUBLISHED APRIL 24, 1945. Class 22.

414,879. MEN'S SUITS. S. GINSBERG SONS, doing business as Calvert Clothes, Baltimore, Md.
Filed October 17, 1944. Serial No. 475,390. PUBLISHED APRIL 17, 1945. Class 39.

414,880. LINENS, HOUSEHOLD LINENS—NAMELY, TABLECLOTHS, NAPKINS, TRAY CLOTHS, RUNNERS, SHEETS, PILLOW CASES, AND TOWELS. MODERNE ART LINENS, New York, N. Y.
Filed November 11, 1944. Serial No. 476,368. PUBLISHED APRIL 17, 1945. Class 42.

414,881. WATCHES, WATCH MOVEMENTS, AND WATCH CASES. HELBROS WATCH COMPANY, New York, N. Y.
Filed November 13, 1944. Serial No. 476,389. PUBLISHED APRIL 24, 1945. Class 27.

414,882. MATTRESSES. HARTFORD MATTRESS CO., INC., Hartford, Conn.
Filed November 22, 1944. Serial No. 476,764. PUBLISHED APRIL 24, 1945. Class 32.

414,883. BOLTS, NUTS, RIVETS, SCREWS, AND CLEVIS PINS. THE NATIONAL SCREW & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 23, 1944. Serial No. 476,813. PUBLISHED APRIL 24, 1945. Class 13.

414,884. BOLTS, NUTS, RIVETS, SCREWS, AND CLEVIS PINS. THE NATIONAL SCREW & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 23, 1944. Serial No. 476,814. PUBLISHED APRIL 24, 1945. Class 13.

414,885. MAGAZINE WRENCH FOR SECURING A PLURALITY OF NUTS SUCCESSIVELY TO THEIR STUDS. E-Z-ON COMPANY, Detroit, Mich.
Filed December 1, 1944. Serial No. 477,102. PUBLISHED APRIL 24, 1945. Class 23.

414,886. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS. JOSEPH BERKOWITZ, doing business as Triangle Manufacturing Company, Minneapolis, Minn.
Filed December 6, 1944. Serial No. 477,255. PUBLISHED APRIL 24, 1945. Class 22.

414,887. WATER-PROOF HAT COVERS. JULMA B. CRAWFORD, doing business as Topp-Itt Products Company, Chicago, Ill.
Filed December 14, 1944. Serial No. 477,546. PUBLISHED APRIL 17, 1945. Class 39.

414,888. HAIR NETS. WILLIAM D. VOGEL, doing business as American Lady Specialties Mfg. Co., St. Louis, Mo.
Filed December 14, 1944. Serial No. 477,589. PUBLISHED APRIL 17, 1945. Class 39.

414,889. HAIR NETS. WILLIAM D. VOGEL, doing business as American Lady Specialties Mfg. Co., St. Louis, Mo.
Filed December 14, 1944. Serial No. 477,590. PUBLISHED APRIL 17, 1945. Class 39.

414,890. APPARATUS FOR INDUCING MAGNETIC FLUX IN OBJECTS AND FOR DETERMINING THE PRESENCE, STRENGTH, AND POLARITY OF MAGNETIC FIELDS, ETC. WAUGH EQUIPMENT COMPANY, New York, N. Y.
Filed December 15, 1944. Serial No. 477,636. PUBLISHED APRIL 24, 1945. Class 26.

414,891. SCATTER RUGS. J & C BEDSPREAD COMPANY, Ellijay, Ga.
Filed December 18, 1944. Serial No. 477,703. PUBLISHED APRIL 17, 1945. Class 42.

414,892. PORTABLE ELECTRIC SHOP LIGHT. DETROIT INDUSTRIAL PRODUCTS Co., Detroit, Mich.
Filed December 21, 1944. Serial No. 477,799. PUBLISHED APRIL 24, 1945. Class 21.

414,893. HOSIERY. B-Z-B KNITTING Co., Rockford, Ill.
Filed December 26, 1944. Serial No. 477,911. PUBLISHED APRIL 24, 1945. Class 39.

414,894. BRACELETS NOT INCLUDING WATCHES. FREDERICK M. MORIARTY, Providence, R. I.
Filed December 28, 1944. Serial No. 478,011. PUBLISHED APRIL 24, 1945. Class 28.

414,895. ELECTRIC LIGHTING FIXTURES AND PARTS THEREOF AND THEREFOR. RAYMOND T. MOLONEY, Chicago, Ill.
Filed December 29, 1944. Serial No. 478,055. PUBLISHED APRIL 24, 1945. Class 21.

414,896. WIPER ARMS OF THE SQUEEGEE TYPE FOR AUTOMATIC WINDSHIELD CLEANERS. HACKETT AUTOMOTIVE ACCESSORIES CORPORATION, Providence, R. I.
Filed January 1, 1945. Serial No. 478,121. PUBLISHED APRIL 24, 1945. Class 19.

414,897. OUTER SHIRTS FOR MEN, WOMEN, AND CHILDREN. HENLEIN BROTHERS Co., LTD., Cincinnati, Ohio.
Filed January 5, 1945. Serial No. 478,278. PUBLISHED APRIL 17, 1945. Class 39.

414,898. OUTER SHIRTS FOR MEN, WOMEN, AND CHILDREN. HENLEIN BROTHERS Co., LTD., Cincinnati, Ohio.
Filed January 5, 1945. Serial No. 478,279. PUBLISHED APRIL 17, 1945. Class 39.

414,899. FOLDABLE PAPERBOARD BOXES AND CARTONS. FRANKENBERG BROS., INC., Columbus, Ohio.
Filed January 6, 1945. Serial No. 478,313. PUBLISHED APRIL 24, 1945. Class 2.

414,900. FOLDABLE PAPERBOARD BOXES AND CARTONS. FRANKENBERG BROS., INC., Columbus, Ohio.
Filed January 6, 1945. Serial No. 478,314. PUBLISHED APRIL 24, 1945. Class 2.

414,901. UMBRELLAS. UNITED WALLPAPER, INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,368. PUBLISHED APRIL 24, 1945. Class 41.

414,902. HAND LUGGAGE—VIZ., SUITCASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,617. PUBLISHED APRIL 24, 1945. Class 3.

414,903. HAND LUGGAGE—VIZ., SUITCASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,618. PUBLISHED APRIL 24, 1945. Class 3.

414,904. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,619. PUBLISHED APRIL 24, 1945. Class 3.

414,905. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,620. PUBLISHED APRIL 24, 1945. Class 3.

414,906. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,621. PUBLISHED APRIL 24, 1945. Class 3.

414,907. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,622. PUBLISHED APRIL 24, 1945. Class 3.

414,908. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES, AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,624. PUBLISHED APRIL 24, 1945. Class 3.

414,909. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,625. PUBLISHED APRIL 24, 1945. Class 3.

414,910. HAND LUGGAGE—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, OVERNIGHT CASES, FORTNIGHTER CASES, HAT CASES AND SHOE CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed January 15, 1945. Serial No. 478,627. PUBLISHED APRIL 24, 1945. Class 3.

414,911. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,642. PUBLISHED APRIL 24, 1945. Class 3.

414,912. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,643. PUBLISHED APRIL 24, 1945. Class 3.

414,913. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,644. PUBLISHED APRIL 24, 1945. Class 3.

414,914. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,646. PUBLISHED APRIL 24, 1945. Class 3.

414,915. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,648. PUBLISHED APRIL 24, 1945. Class 3.

414,916. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,649. PUBLISHED APRIL 24, 1945. Class 3.

414,917. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,650. PUBLISHED APRIL 24, 1945. Class 3.

414,918. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,652. PUBLISHED APRIL 24, 1945. Class 3.

414,919. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,653. PUBLISHED APRIL 24, 1945. Class 3.

414,920. HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed January 15, 1945. Serial No. 478,655. PUBLISHED APRIL 24, 1945. Class 3.

414,921. FRESH ORANGES. FRED A. HILL, Redlands, Calif.
Filed January 18, 1945. Serial No. 478,751. PUBLISHED APRIL 24, 1945. Class 46.

414,922. COATED COTTON FABRICS. THE ARNEL COMPANY, INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,846. PUBLISHED APRIL 17, 1945. Class 42.

414,923. RUGS AND CARPETS. FLOOR COVERINGS Co., New York, N. Y.
Filed January 22, 1945. Serial No. 478,864. PUBLISHED APRIL 17, 1945. Class 42.

414,924. INFANTS' VESTS, PANTS AND BANDS; CHILDREN'S AND JUVENILES' VESTS, PANTS SUITS, UNDERSHIRTS, UNIONSUITS, BRIEFS, POLO SHIRTS AND SWEATERS; LADIES' VESTS, PANTIES, BRIEFS, TIGHTS, UNIONSUITS, DRAWERS, SWEATERS AND SPORT SHIRTS; ETC. ROBERT C. KING & COMPANY, New York, N. Y.
Filed January 22, 1945. Serial No. 478,880. PUBLISHED APRIL 17, 1945. Class 39.

414,925. SHEET PACKING AND GASKET MATERIAL COMPRISING SYNTHETIC RUBBER ON RESINIZED PAPER BASE SHEET AND SHEET GASKETS CUT FROM SUCH SHEET PACKING MATERIAL. WOLVERINE FABRICATING & MFG. CO., INC., Detroit, Mich.
Filed January 22, 1945. Serial No. 478,917. PUBLISHED APRIL 24, 1945. Class 35.

414,926. WOMEN'S APPAREL—NAMELY, COATS, DRESSES, SUITS, SWEATERS, SPORT SHIRTS, JACKETS, SLACKS AND BATHING SUITS. THE PARIS COMPANY, Salt Lake City, Utah.
Filed January 23, 1945. Serial No. 478,929. PUBLISHED APRIL 24, 1945. Class 39.

414,927. WIRE SCREEN CLOTH. REYNOLDS WIRE Co., Dixon, Ill.
Filed January 23, 1945. Serial No. 478,931. PUBLISHED APRIL 24, 1945. Class 13.

414,928. WIRE SCREEN-CLOTH. REYNOLDS WIRE Co., Dixon, Ill.
Filed January 23, 1945. Serial No. 478,932. PUBLISHED APRIL 24, 1945. Class 13.

414,929. LADIES' SLIPS, PAJAMAS, AND NIGHTGOWNS. MISS SWANK, New York, N. Y.
Filed January 27, 1945. Serial No. 479,084. PUBLISHED APRIL 17, 1945. Class 39.

414,930. WOVEN ELASTIC FABRIC. MOORE FABRIC COMPANY, Pawtucket, R. I.
Filed January 29, 1945. Serial No. 479,134. PUBLISHED APRIL 24, 1945. Class 42.

414,931. MEN'S AND BOYS' SPORT AND DRESS SHIRTS, SLACKS, ENSEMBLE SUITS, SWIM TRUNKS, AND JACKETS. DAVID D. DONIGER & Co., INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,170. PUBLISHED APRIL 24, 1945. Class 39.

414,932. HOSIERY. SCHLEISNER Co., INC., Baltimore, Md.
Filed January 31, 1945. Serial No. 479,254. PUBLISHED APRIL 24, 1945. Class 39.

414,933. CANDY BARS. MARS, INCORPORATED, Chicago, Ill.
Filed February 6, 1945. Serial No. 479,485. PUBLISHED APRIL 24, 1945. Class 46.

414,934. ADHESIVES MADE OF PLASTIC RESIN COMBINED WITH OTHER MATERIALS, AND CHARACTERIZED BY TACKINESS AT ROOM OR ELEVATED TEMPERATURES. CORDO CHEMICAL CORPORATION, Norwalk, Conn.
Filed February 8, 1945. Serial No. 479,554. PUBLISHED APRIL 24, 1945. Class 5.

414,935. OIL BURNERS. WILLIAM A. HALE, doing business as X-Ring Products Co., Peoria, Ill.
Filed February 10, 1945. Serial No. 479,678. PUBLISHED APRIL 17, 1945. Class 34.

414,936. PLATFORM ROCKER CHAIRS. O'HEARN MANUFACTURING COMPANY, Gardner, Mass.
Filed February 10. 1945. Serial No. 479,690. PUBLISHED APRIL 24, 1945. Class 32.

414,937. CASES NOT MADE OF PRECIOUS METALS FOR SPECTACLES. ACE LEATHER GOODS CO., New York, N. Y.
Filed February 15, 1945. Serial No. 479,829. PUBLISHED APRIL 24, 1945. Class 2.

414,938. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed February 15, 1945. Serial No. 479,860. PUBLISHED APRIL 24, 1945. Class 2.

414,939. GAMES IN WHICH SUITABLE DISCS ARE EMPLOYED. JAMES G. ROLLEY, New York, N. Y.
Filed February 16, 1945. Serial No. 479,902. PUBLISHED APRIL 24, 1945. Class 22.

414,940. PEG GAME FOR TWO PLAYERS. GELDUR NOVELTY CO., New York, N. Y.
Filed February 26, 1945. Serial No. 480,234. PUBLISHED APRIL 24, 1945. Class 22.

414,941. CANDY. JACK O. THOMAS, doing business as Thomas Candy Company, Denison, Tex.
Filed February 28, 1945. Serial No. 480,354. PUBLISHED APRIL 24, 1945. Class 46.

414,942. UNFILLED VANITY CASES AND COMPACTS, NOT MADE OF PRECIOUS METALS. BALTIC AMBER CO., New York, N. Y.
Filed March 5, 1945. Serial No. 480,497. PUBLISHED APRIL 24, 1945. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,943. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938. Serial No. 412,946.

CHERRY-BURRELL
CABINET

FOR LIQUID HEATING AND COOLING APPARATUS COMPRISING AN ENCLOSURE HOUSING AN APPARATUS FOR HEATING AND/OR COOLING LIQUID FOOD PRODUCTS OR LIQUIDS TO BE USED IN FOOD PRODUCTS.
Claims use since February 1930.

414,944. (CLASS 38. PRINTS AND PUBLICATIONS.) EVERYBODY'S VACATION PUBLISHING CO., INC., New York, N. Y. Filed Nov. 2, 1942. Serial No. 456,595.

FISHING
and Vacation Year Book

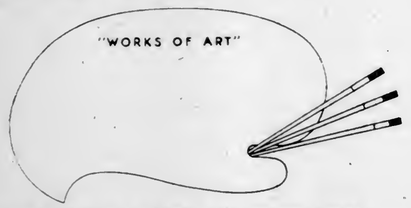
FOR A MAGAZINE.
Claims use since Oct. 8, 1942.

414,945. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HYDRO-POWER SYSTEMS, INCORPORATED, Mount Gilead, Ohio. Filed Dec. 2, 1942. Serial No. 457,169.

hydro power

FOR HYDRAULIC PUMPS, HYDRAULIC PRESSES, HYDRAULIC CONTROL VALVES, AND OTHER ACCESSORIES FOR CONTROLLING THE TRANSMISSION OF FLUID IN AND BETWEEN HYDRAULICALLY OPERATED DEVICES.
Claims use since May, 1939.

414,946. (CLASS 37. PAPER AND STATIONERY.) AMERICAN ART SERVICE, Chicago, Ill. Filed Aug. 19, 1943. Serial No. 462,837.



FOR WRITING PAPER AND ENVELOPES.
Claims use since July 17, 1943.

414,947. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) STEVENS AND MOFFETT CO., Jersey City, N. J. Filed Oct. 20, 1943. Serial No. 464,281.

Stevens
and Moffett's

FOR WHISKEY.
Claims use since July 1942.

414,948. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ENTERPRISE ALUMINUM COMPANY, Massillon, Ohio. Filed Nov. 3, 1943. Serial No. 464,646.

EVERGLO

FOR BASEMETAL COOKING HOLLOWWARE.
Claims use since Sept. 27, 1943.

414,949. (CLASS 39. CLOTHING.) BETTY BRIGGS, INC., New York, N. Y., assignor to Betty Briggs, New York, N. Y., a co-partnership. Filed Nov. 13, 1943. Serial No. 464,961.

BETTY Briggs

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Dec. 1, 1940.

414,950. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VAN AMERINGEN-HAEBLER, INC., New York, N. Y. Filed Nov. 20, 1943. Serial No. 465,196.

PAKS

FOR IMITATION VANILLA FLAVORING TABLETS, IMITATION MAPLE FLAVORING TABLETS, IMITATION GRAPE FLAVORING TABLETS AND IMITATION RASPBERRY FLAVORING TABLETS USED IN MAKING BEVERAGES.
Claims use since June 14, 1943.

414,951. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ACHORN STEEL COMPANY, Boston, Mass. Filed Nov. 23, 1943. Serial No. 465,220.

ACHORN



FOR IRON AND STEEL—NAMELY, BARS, BILLETS, SHEETS, STRIPS, RODS, COILS, AND THE LIKE.
Claims use since January 1943.

414,952. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed Dec. 7, 1943. Serial No. 465,600.

HOFFMAN

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Nov. 1, 1942.

414,953. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SURREY TRADING CORPORATION, New York, N. Y. Filed Mar. 1, 1944. Serial No. 467,905.

Surrey

FOR LEATHER WALLETS AND BILLFOLDS.
Claims use since Jan. 13, 1944.

414,954. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MARCO IMPORTING CO., Chicago, Ill. Filed Mar. 22, 1944. Serial No. 468,520.

"Bill" Walter's

FOR WHISKEY.
Claims use since December 1942.

414,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JEL SERT COMPANY, Chicago, Ill. Filed Mar. 24, 1944. Serial No. 468,612.

Makamix

Applicant is the owner of Certificate No. 347,370, dated June 22, 1937.
FOR POWDER CONCENTRATE FOR MAKING MAPLE FLAVORED TABLE SYRUP.
Claims use since Sept. 27, 1943.

414,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NUTONE, INCORPORATED, Cincinnati, Ohio. Filed Mar. 27, 1944. Serial No. 468,718.

MOTOR-PAC

FOR ELECTRIC DOOR CHIMES AND PARTS THEREOF.
Claims use since Mar. 15, 1944.

414,957. (CLASS 48. MALT BEVERAGES AND LIQUORS.) GRIESEDIECK WESTERN BREWERY COMPANY, Belleville, Ill. Filed May 15, 1944. Serial No. 470,263.

Moreland Club

FOR BEER.
Claims use since April 11, 1944.

414,958. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y. Filed May 24, 1944. Serial No. 470,560.

DALMAU

FOR BRANDY.
Claims use since April 6, 1944.

414,959. (CLASS 38. PRINTS AND PUBLICATIONS.) NORCROSS, New York, N. Y. Filed May 24, 1944. Serial No. 470,580.

NORCROSS

FOR GREETING CARDS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS, AND DECORATIVE PRINTED TAGS.
Claims use since Mar. 6, 1942.

414,960. (CLASS 38. PRINTS AND PUBLICATIONS.) INDUSTRIAL MEDICINE PUBLISHING COMPANY, Chicago, Ill. Filed May 25, 1944. Serial No. 470,608.

INDUSTRIAL HEALTH

FOR PERIODICAL PUBLICATION.
Claims use since April 1944.

414,961. (CLASS 38. PRINTS AND PUBLICATIONS.) LATIN-AMERICAN BUYER'S GUIDE CO., New York, N. Y. Filed May 31, 1944. Serial No. 470,819.

GUIA PARA COMPRADORES
LATIN AMERICAN Buyer's Guide
DE LA AMERICA LATINA

The drawing being lined for the color red.
FOR A QUARTERLY PUBLICATION PRINTED IN SPANISH AND FUNCTIONING AS A GUIDE TO BUYERS FROM LATIN-AMERICAN COUNTRIES.
Claims use since Apr. 21, 1944.

414,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRICK OVEN BAKERS, INC., Port Chester, N. Y. Filed June 7, 1944. Serial No. 470,957.

ARNOLD
SOYA-NUT LOAF
ARNOLD

FOR BAKED GOODS—NAMELY, BREAD.
Claims use since May 8, 1944.

414,963. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN COMPANY, Janesville, Wis. Filed July 14, 1944. Serial No. 472,254.

STREAMLINE

Applicant is the owner of Reg. No. 179,306.
FOR FOUNTAIN PENS.
Claims use since Aug. 8, 1923.

414,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRICK OVEN BAKERS, INC., Port Chester, N. Y. Filed July 24, 1944. Serial No. 472,548.

SOYA-NUT

FOR BAKED GOODS—NAMELY, BREAD.
Claims use since May 8, 1944.

414,965. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MODEL-CRAFT, INC., Chicago, Ill. Filed Sept. 29, 1944. Serial No. 474,733.

Model-Craft



FOR TOY MOLDING AND COLORING SETS.
Claims use since Mar. 15, 1944.

414,966. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CORLEY MANUFACTURING COMPANY, Chattanooga, Tenn. Filed Oct. 4, 1944. Serial No. 474,882.

Corley

FOR SAW MILLS, EDGERS, LUMBER TRIMMERS, AND SAWS.
Claims use since November 1939.

414,967. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CORLEY MANUFACTURING COMPANY, Chattanooga, Tenn. Filed Oct. 4, 1944. Serial No. 474,883.

CORLEY

FOR SAW BITS, SHANKS, SWING SAWS, LOG TURNERS, AND SAW MILL BEARINGS.
Claims use since January 1939.

414,968. (CLASS 11. INKS AND INKING MATERIALS.) DIAGRAPH-BRADLEY STENCIL MACHINE CORPORATION, St. Louis, Mo. Filed Oct. 12, 1944. Serial No. 475,249.

STIKFAST

FOR INKS OF ALL KINDS—NAMELY, MEAT BRANDING INK, FOOD STAMPING INK, METAL STAMPING INK, LUMBER INK, LAUNDRY INK, TEXTILE INK, AND STAMP PAD INK.
Claims use since Sept. 1, 1942.

414,969. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SILENT HOIST & CRANE CO., Brooklyn, N. Y. Filed Oct. 24, 1944. Serial No. 475,671.

RAIL-O-ROAD

FOR AUTOMOTIVE HOISTS AND CRANES.
Claims use since Jan. 8, 1944.

414,970. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Nov. 15, 1944. Serial No. 476,463.

SYRUP-O

FOR CHOCOLATE FLAVORED SYRUP FOR USE IN BEVERAGES.
Claims use since Oct. 6, 1943.

414,971. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed Nov. 22, 1944. Serial No. 476,785.

EUTECTIC
LOW TEMPERATURE WELDING RODS

FOR METALLIC WELDING, BRAZING AND SOLDERING RODS, WIRES AND BARS, EITHER BARE OR COATED WITH FLUX SUBSTANCE, FOR USE IN CONNECTION WITH OXY-ACETYLENE TORCHES, WITH ELECTRIC HEATING AND CARBON ARC DEVICES.
Claims use since July 1941.

414,972. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) D. & P. PIPE WORKS, Boone, N. C. Filed Nov. 28, 1944. Serial No. 476,952.

Trapwell

FOR SMOKERS' PIPES AND PARTS THEREFOR.
Claims use since Jan. 10, 1938.

414,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEY FLOUR MILLS, Macon, Ga. Filed Dec. 12, 1944. Serial No. 477,458.

USE
BIRDSEY'S FEED
IT'S THE BEST

FOR HOG FEED, DAIRY FEED AND LAYING MASH AND SCRATCH FEED FOR POULTRY.
Claims use since 1930.

414,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEY FLOUR MILLS, Macon, Ga. Filed Dec. 12, 1944. Serial No. 477,459.

USE
BIRDSEY'S MEAL
IT'S THE BEST

FOR CORN MEAL.
Claims use since 1930.

414,975. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GARAY & COMPANY, New York, N. Y. Filed Dec. 13, 1944. Serial No. 477,503.

Bostonian

FOR HANDBAGS.
Claims use since Oct. 15, 1933.

414,976. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Dec. 23, 1944. Serial No. 477,881.

AVIATION EQUIPMENT RED BOOK

The drawing is lined for the colors red and yellow.
FOR AN ANNUAL DIRECTORY OF PRODUCTS USEFUL IN THE PRODUCTION AND MAINTENANCE OF AIRCRAFT.
Claims use since August 1943.

414,977. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md. Filed Jan. 25, 1945. Serial No. 479,006.

L D DISTILLERY
Lansdowne

FOR WHISKEY, BRANDY, GIN, AND LIQUEUR.
Claims use since Nov. 2, 1942.

414,978. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KENT DEVAUGHN EASTIN, Davenport, Iowa. Filed Feb. 2, 1945. Serial No. 479,337.

EASTIN film

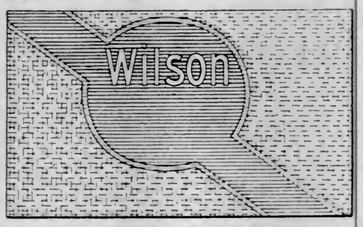
FOR DEVELOPED MOTION PICTURE FILMS.
Claims use since Sept. 1, 1940.

414,979. (CLASS 37. PAPER AND STATIONERY.) BUXTON & SKINNER PRINTING AND STATIONERY COMPANY, St. Louis, Mo. Filed Feb. 5, 1945. Serial No. 479,420.

GUARANTY BOND

FOR BOND PAPER.
Claims use since 1910.

414,980. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILSON CHEMICAL CO., Chicago, Ill. Filed Feb. 7, 1945. Serial No. 479,543.



The drawing is lined for blue and yellow.
FOR HOUSEHOLD CLEANING FLUID.
Claims use since July 1922.

414,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Mar. 10, 1945. Serial No. 480,760.



The picture of the man is fanciful.
FOR PEARL BARLEY.
Claims use since October 1938.

414,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASSOCIATED PRODUCE PACKERS, Sacramento, Calif. Filed Mar. 22, 1945. Serial No. 481,172.

NEWCASTLE

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1900.

414,983. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) I. SMALLMAN & SONS, New York, N. Y., and Garfield, N. J. Filed Mar. 28, 1945. Serial No. 481,443.

Hidecraft

FOR BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, AND CHANGE PURSES.
Claims use since January 1922.

414,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FERNANDO VALLEY MILLING & SUPPLY CO., Van Nuys, Calif. Filed Apr. 3, 1945. Serial No. 481,667.

Fernando

FOR FEEDS FOR ANIMALS AND POULTRY—NAMELY, GROUND CORN, GROUND BARLEY, GROUND WHEAT, BABY CHICK STARTER, TURKEY STARTER, ANGORA RABBIT PELLETS, RABBIT PELLETS, HIGH PROTEIN MASH, TURKEY BREEDING MASH, HIGH VITAMIN LAYING MASH, TURKEY MATURING MASH, ALFALFA STEM MEAL, FINE GROUND ALFALFA MEAL, ALFALFA LEAF MEAL, ALFALFA RABBIT MEAL, RECLEANED SCOURED BARLEY, RECLEANED WHOLE YELLOW CORN, RECLEANED OATS, RECLEANED KAFFIR, RECLEANED WHEAT, RECLEANED MILO, PIGEON FEED, HOMING PIGEON MIX, PHEASANT MIX, SPECIAL GROWING CHICK SCRATCH, SPECIAL SCRATCH FEED, GOAT FEED, HOG FEED, DAIRY FEED, GROWING MASH, ALFALFA MEAL TURKEY GREENS, SPECIAL ALFALFA STEM MEAL AND MOLASSES FEED, ALFALFA FLOUR.
Claims use since June 1, 1916.

414,985. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FERNANDO VALLEY MILLING & SUPPLY CO., Van Nuys, Calif. Filed Apr. 3, 1945. Serial No. 481,668.



The drawing is lined for the colors red and green.
FOR FEEDS FOR ANIMALS AND POULTRY—NAMELY, GROUND CORN, GROUND BARLEY, GROUND WHEAT, BABY CHICK STARTER, TURKEY STARTER, ANGORA RABBIT PELLETS, RABBIT PELLETS, HIGH PROTEIN MASH, TURKEY BREEDING MASH, HIGH VITAMIN LAYING MASH, TURKEY MATURING MASH, ALFALFA STEM MEAL, RECLEANED SCOURED BARLEY, RECLEANED WHOLE YELLOW CORN, RECLEANED OATS, RECLEANED KAFFIR, RECLEANED WHEAT, RECLEANED MILO, PIGEON FEED, HOMING PIGEON MIX, PHEASANT MIX, SPECIAL GROWING CHICK SCRATCH, SPECIAL SCRATCH FEED, GOAT FEED, HOG FEED, DAIRY FEED, GROWING MASH.
Claims use since June 1, 1916.

414,986. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMAN C. DEMLER, Wheatfield, N. Y. Filed Apr. 6, 1945. Serial No. 481,779.

DEMLER'S

FOR APPLE JUICE FOR FOOD PURPOSES, AND CIDER VINEGAR.
Claims use since October 1936.

414,987. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945. Serial No. 482,149.

PARKMAN

FOR MEN'S COATS, VESTS, PANTS, AND OVERCOATS.
Claims use since Mar. 1, 1926.

414,988. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945. Serial No. 482,473.

THE BRADSTREET

FOR MEN'S SUITS, COATS, PANTS, AND VESTS.
Claims use since Oct. 1, 1925.

414,989. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945. Serial No. 482,475.

CRAIGTWIST

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since Oct. 1, 1933.

414,990. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945. Serial No. 482,480.

SCOTLANDER

FOR MEN'S SACK COATS AND MEN'S OVERCOATS.
Claims use since Mar. 1, 1926.

TRADE-MARK REGISTRATIONS RENEWED

44,670. **C/B Á LA SPIRITE.** CORSETS. Registered July 18, 1905. STROUSE, ADLER & Co. Re-renewed July 18, 1945, to The Strouse, Adler Company, New Haven, Conn., a corporation of Connecticut, assignee. Class 39.

45,520. **EUPION.** REFINED PETROLEUM OR COAL-OIL FOR ILLUMINATING PURPOSES. Registered Aug. 22, 1905. WATERS PIERCE OIL COMPANY, St. Louis, Mo. Re-renewed Aug. 22, 1945, to Sinclair Refining Company, New York, N. Y., a corporation of Maine, assignee by mesne assignments. Class 15.

45,767. **C/B.** CORSETS. Registered Aug. 29, 1905. STROUSE, ADLER & Co. Re-renewed Aug. 29, 1945, to The Strouse Adler Company, New Haven, Conn., a corporation of Connecticut, assignee. Class 39.

46,121. **REPRESENTATION OF A THISTLE.** WOOLEN FABRICS. Registered Sept. 5, 1905. FRANK S. MACKENZIE, Woodstock, Vt. Re-renewed Sept. 5, 1945, to Bridgewater Woolen Company, Bridgewater, Vt., a corporation of Vermont, successor. Class 42.

46,545. **LILAC.** CANNED FRUITS AND CANNED VEGETABLES. Registered Sept. 26, 1905. H. C. BAXTER & BRO., doing business also as Augusta Canning Company, Brunswick, Maine, a firm. Re-renewed Sept. 26, 1945. Class 46.

46,546. **GEM.** CANNED FRUITS AND CANNED VEGETABLES. Registered Sept. 26, 1905. HARTLEY C. BAXTER. Re-renewed Sept. 26, 1945, to H. C. Baxter & Bro., doing business also as Augusta Canning Company, Brunswick, Maine, a firm, assignee. Class 46.

46,548. **"KNIFE-HANDLE", ADJUSTABLE SCREW-WRENCHES.** Registered Sept. 26, 1905. CORS WRENCH Co., Worcester, Mass. Re-renewed Sept. 26, 1945, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 23.

46,602. **DUNLAP.** HATS AND CAPS. Registered Sept. 26, 1905. DUNLAP & Co., New York, N. Y. Re-renewed Sept. 26, 1945, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware, assignee by mesne assignments. Class 39.

46,717. **ARTLOOM.** UPHOLSTERY TEXTILE FABRICS. Registered Oct. 3, 1905. PHILADELPHIA TAPESTRY MILLS. Re-renewed Oct. 3, 1945, to Artloom Corporation, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 42.

46,738. **LINEN LAWN.** WRITING-PAPER AND ENVELOPS. Registered Oct. 3, 1905. Z. & W. M. CRANE. Re-renewed Oct. 3, 1945, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 37.

46,756. **"C. W. C. CO." AND DRAWING.** WATCHES, WATCHCASES, AND WATCH-MOVEMENTS. Registered Oct. 3, 1905. THE CRESCENT WATCH CASE CO., New York, N. Y. Re-renewed Oct. 3, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

46,758. **"SHAKESPERIAN" AND DRAWING.** PENS FOR VERTICAL WRITING. Registered Oct. 3, 1905. THE SPENCERIAN PEN COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed Oct. 3, 1945. Class 37.

196,498. **"DEPURATIVO GUARDIAS" ETC. AND DRAWING.** REMEDY FOR THE TREATMENT OF DISEASES OF THE BLOOD. Registered Mar. 17, 1925. THE GUARDIAS OINTMENT COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Mar. 17, 1945. Class 6.

197,004. **REXOLINE.** LUBRICATING OILS AND GREASES. Registered Apr. 7, 1925. SHERWOOD BROTHERS INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Apr. 7, 1945. Class 15.

197,214. **NEW YORK EVENING POST.** TITLE OF A NEWSPAPER PUBLICATION. Registered Apr. 14, 1925. NEW YORK EVENING POST, INC. Renewed Apr. 14, 1945, to New York Post Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 38.

197,494. **CERTAIN-TEED.** LAND PLASTER. Registered Apr. 21, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed Apr. 21, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 10.

197,608. **WHITE X.** ROACH, ANT, AND WATER-BUG EXTERMINATOR IN POWDERED FORM. Registered Apr. 21, 1925. HARRY F. DE LONGE, Chicago, Ill. Renewed Apr. 21, 1945. Class 6.

197,845. **"CAFF ASP PHEN" AND DRAWING.** TABLET FOR TREATING COLDS. Registered Apr. 28, 1925. ABEL T. EZELL, Bellflower, Calif. Renewed Apr. 28, 1945, to Florence E. Borg, Long Beach, Calif., assignee by mesne assignments. Class 6.

198,015. **CERTAIN-TEED.** LIQUID ASPHALT, PITCH, COAL TAR, AND CRUSHED GYPSUM ROCK. Registered Apr. 28, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed Apr. 28, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 1.

198,338. **"C-THRU".** RUBBER NURSING NIPPLES, AND SURGEONS' RUBBER GLOVES. Registered May 12, 1925. THE PYRAMID RUBBER SPECIALTY COMPANY. Renewed May 12, 1945, to The Pyramid Rubber Company, Ravenna, Ohio, a corporation of Ohio, by change of name. Class 44.

198,426. **"SOUTHERN PACIFIC LINES" AND DRAWING.** BOOKLETS, CIRCULARS, PAMPHLETS, AND CALENDARS. Registered May 19, 1925. SOUTHERN PACIFIC COMPANY, Anchorage, Ky., San Francisco, Calif., and New York, N. Y. Renewed May 19, 1945, to Southern Pacific Company, San Francisco, Calif., a corporation of Kentucky. Class 38.

198,552. **SCUPAKOG.** NONINTOXICATING, MALTLESS BEVERAGE AND SIRUP FOR MAKING THE SAME. Registered May 19, 1925. CHERO-COLA COMPANY. Renewed May 19, 1945, to Nehi Corporation, Columbus, Ga., a corporation of Delaware, assignee by mesne assignments. Class 45.

199,516. **"DU PONT" AND DESIGN.** BRONZING LIQUIDS, BRONZE POWDERS, PAINT ENAMELS, LACQUERS, READY-MIXED PAINTS; PASTE PAINTS, DRY PAINTS, FILLERS, SURFACERS, STAINS, PAINTERS' COATERS, PAINTERS' COATINGS, PAINTERS' UNDERCOATINGS, PAINTERS' FINISHES, VARNISH, PAINT AND VARNISH SOLVENTS, ZINC PASTE, PAINTERS' PRIMERS, AND CERTAIN OTHER NAMED PAINTING MATERIALS. Registered June 9, 1925. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 9, 1945. Class 16.

199,623. **TOWN & COUNTRY.** CANDY. Registered June 16, 1925. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 16, 1945. Class 46.

199,780. **FELSOL.** MEDICINES USED IN THE TREATMENT OF ASTHMATIC AFFECTIONS. Registered June 16, 1925. AMERICAN FELSOL COMPANY. Renewed June 16, 1945, to American Felsol Company, Lorain, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 6.

200,660. **FRISCO JEENS.** OVERALLS. Registered July 7, 1925. ELOESSER-HEYNEMANN COMPANY, San Francisco, Calif., a corporation of California. Renewed July 7, 1945. Class 39.

200,669. **"FAIRBANK'S GOLD DUST" AND DRAWING.** WASHING POWDERS. Registered July 7, 1925. GOLD DUST CORPORATION, Jersey City, N. J. Renewed July 7, 1945, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine, assignee. Class 4.

200,962. **CORADOVA.** CANDY. Registered July 14, 1925. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed July 14, 1945. Class 46.

201,200. **"PHANTOM".** MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Registered July 21, 1925. LEHIGH SILK HOSIERY MILLS, INC., New York, N. Y. Renewed July 21, 1945, to Durham Hosiery Mills, Durham, N. C., a corporation of North Carolina, assignee. Class 39.

201,341. **ALUM ROCK.** PRINTING PAPER, WRITING PAPER, WRAPPING PAPER, TOILET PAPER, WRITING-PAPER TABLETS. Registered July 21, 1925. SAN JOSE PAPER CO., San Jose, Calif. Renewed July 21, 1945, to Zellerbach Paper Company, San Francisco, Calif., a corporation of California, assignee. Class 37.

201,995. **FORT PITT.** READY-MIXED PAINTS, COLORS IN OIL, AND WHITE LEAD. Registered Aug. 11, 1925. DUQUESNE PAINT COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 11, 1945. Class 16.

202,390. **ORBOLENE.** PREPARATION FOR AFFECTIONS OF THE EYE. Registered Aug. 18, 1925. THE ORBOLENE COMPANY, St. Louis, Mo., a firm. Renewed Aug. 18, 1945. Class 6.

202,446. **QUICK MEAL.** CANNED VEGETABLES—NAMELY, CANNED CORN. Registered Aug. 25, 1925. IOWA CANNING COMPANY, Vinton, Iowa, a corporation of Iowa. Renewed Aug. 25, 1945. Class 46.

202,629. **MACK PERFORMANCE COUNTS.** MOTOR TRUCKS. Registered Sept. 1, 1925. INTERNATIONAL MOTOR COMPANY. Renewed Sept. 1, 1945, to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 19.

202,690. **"NICKALUM".** METAL ALLOY IN BARS, INGOTS, OR CASTINGS. Registered Sept. 1, 1925. PRECISION CASTINGS COMPANY, INC., Syracuse and Fayetteville, N. Y., assignor to The Enterprise Manufacturing Company. Renewed Sept. 1, 1945, to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio, assignee. Class 14.

202,695. **CARMENCITA.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Sept. 1, 1925. PLACENTA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Renewed Sept. 1, 1945. Class 46.

202,872. **"PILOT" AND DRAWING.** CONDENSERS, JACKS, PLUGS, RHEOSTATS, DIALS, RADIO RECEIVING SETS, AND PARTS THEREOF. Registered Sept. 8, 1925. PILOT ELECTRIC MFG. CO., INC., Brooklyn, N. Y. Renewed Sept. 8, 1945, to Pilot Radio Corporation, Long Island City, N. Y., a corporation of New York, assignee by mesne assignments. Class 21.

202,923. **"RESPRO PRODUCTS" AND DRAWING.** ADHESIVELY INTEGRATED FIBROUS MATERIAL (A MANUFACTURED MATERIAL). Registered Sept. 8, 1925. RESPRO INC., Providence, R. I. Renewed Sept. 8, 1945, to Respro Inc., Cranston, R. I., a corporation of Rhode Island. Class 50.

203,060. **"BEECH-NUT BRAND" AND DRAWING.** CANDIES. Registered Sept. 8, 1925. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 46.

203,417. **REFLECTOFLAT.** WALL PAINT. Registered Sept. 15, 1925. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1945. Class 16.

203,491. **NAMELESS.** READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. Registered Sept. 22, 1925. RALPH D. KELLEY, Chicago, Ill. Renewed Sept. 22, 1945. Class 16.

203,502. **"MURALO PROCESS" AND DRAWING.** WALL FINISHING AND DECORATING MATERIALS—NAMELY, CALCIMINES AND WALL COATINGS, COLD-WATER PAINTS, AND SIZES. Registered Sept. 22, 1925. THE MURALO COMPANY, INC., New Brighton, N. Y. Renewed Sept. 22, 1945, to The Muralo Company, Inc., Staten Island, N. Y., a corporation of New York. Class 16.

203,599. **MULTIFLEX.** RADIO RECEIVING EQUIPMENT AND PARTS THEREOF, SUCH EQUIPMENT AND PARTS CONSISTING OF RADIO RECEIVING SETS, COMPLETE KITS FOR MAKING RADIO RECEIVING SETS, VACUUM TUBE SOCKETS, SWITCHES, RHEOSTATS, CONDENSERS, PLUGS, JACKS, BINDING POSTS, INSULATING PANELS, INSULATORS, AND TRANSFORMERS. Registered Sept. 22, 1925. RADIO RECEPTOR COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 21.

203,602. **STURDYMAID.** BUCKLES, KEY RINGS, CHAIN FASTENERS, SNAP FASTENERS, SPRING RINGS, TIE CLASPS, LAPEL BUTTONS, BROOCHES, CUFF BUTTONS, BADGES, AND CHAIN BARS, ALL OF WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS; CHAINS FOR PERSONAL ADORNMENT, BRACELETS, CUFF LINKS, CHARMS, FOBS, PENDANTS, AND FINGER RINGS. Registered Sept. 22, 1925. J. F. STURDY'S SONS CO., Attleboro Falls, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 28.

203,688. **CIMET.** WIRES, STRIPS, SHEETS, RODS, BARS, INGOTS, FORGINGS AND CASTINGS, ALL COMPOSED OF MIXTURES OF METALS, OR ALLOYS OF METALS CONSISTING OF IRON AND CHROMIUM OR ANOTHER METAL OR METALS CONSTITUTING AN ALLOY HIGHLY RESISTANT TO CORROSION, OXIDATION, AND HEAT. Registered Sept. 22, 1925. DRIVER-HARRIS COMPANY, Harrison, N. J., a corporation of New Jersey. Renewed Sept. 22, 1945. Class 14.

203,807. **RESPRO.** ADHESIVELY INTEGRATED FIBROUS MATERIALS (A MANUFACTURED MATERIAL) ADAPTED FOR USE AS A SUBSTITUTE FOR LEATHER, AS A REINFORCEMENT FOR LEATHER IN THE MANUFACTURE OF BOOTS, SHOES, AND OTHER LEATHER MANUFACTURES, AS AN ADHESIVE BINDING MATERIAL, AS AN ELECTRICAL MATERIAL, ETC. Registered Sept. 29, 1925. RESPRO INC., Providence, R. I. Renewed Sept. 29, 1945, to Respro Inc., Cranston, R. I., a corporation of Rhode Island. Class 50.

203,811. **REWARD.** FRESH CITROUS FRUITS. Registered Sept. 29, 1925. SUNLAND PACKING HOUSE COMPANY, Porterville, Calif., a corporation of California. Renewed Sept. 29, 1945. Class 46.

203,845. **HERMETOLITH.** REFRACTORY CEMENT FOR FIRE-BRICK STRUCTURES. Registered Sept. 29, 1925. THE BUCKEYE PRODUCTS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Sept. 29, 1945. Class 12.

203,886. **RED BREAST.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Sept. 29, 1925. ANAHEIM CO-OPERATIVE ORANGE ASSOCIATION, Anaheim, Calif., a corporation of California. Renewed Sept. 29, 1945. Class 46.

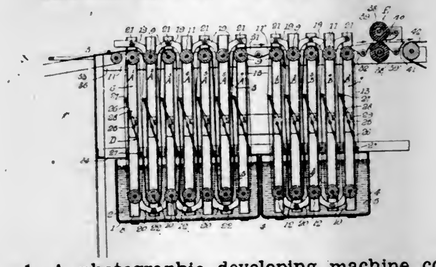
203,887. **AUTUMN LEAF.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Sept. 29, 1925. ANAHEIM CO-OPERATIVE ORANGE ASSOCIATION, Anaheim, Calif., a corporation of California. Renewed Sept. 29, 1945. Class 46.

22,654

PHOTOGRAPHIC DEVELOPING MACHINE

George C. Garraway, Rutherford, N. J.

Original No. 2,347,189, dated April 25, 1944, Serial No. 429,150, February 2, 1942. Application for reissue March 9, 1945, Serial No. 581,955
17 Claims. (Cl. 95—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



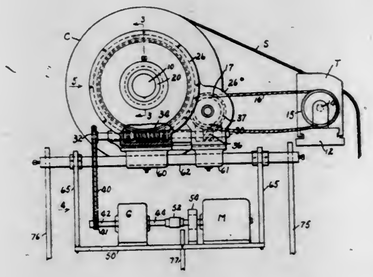
1. A photographic developing machine comprising, in combination, a tank adapted to contain a treating fluid, a plurality of interchangeable frame members individually removably mounted in said tank, means including a plurality of endless belts mounted on said frame members and adapted to convey alternately material to be treated into and out of the treating fluid in said tank, and automatically adjustable holding means adapted to take up slack in said endless belts and retain them in frictional contact with each other without interfering with their separation and removal from the tank with said frame members.

22,655

CYLINDER COVERING MECHANISM

Walter O. Sjogren, Worcester, Mass.

Original No. 2,334,357, dated November 16, 1943, Serial No. 485,389, May 1, 1943. Application for reissue December 7, 1944, Serial No. 567,003
7 Claims. (Cl. 74—16)

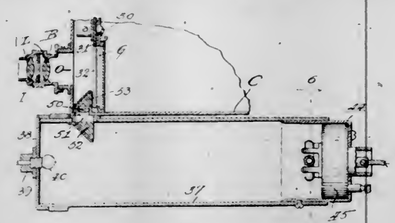


1. In a covering mechanism for a cylinder having a cylinder shaft, in combination, a worm gear attachable to either end of said cylinder shaft, a worm for said gear, a worm shaft for said worm, a power driving unit, a driving connection between said driving unit and said worm shaft, and means to support said driving unit in either upright or reversed positions, said driving connection being fully operative and said driving unit being equally effective in both of said positions.

PATENTS

GRANTED JULY 3, 1945

2,379,404
VEHICLE SPEED RECORDING APPARATUS
Frank Abell, Inglewood, Calif.
Application June 28, 1941, Serial No. 400,185
9 Claims. (Cl. 88—16)

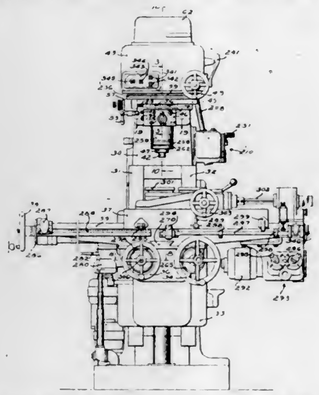


1. In a speed recording apparatus, the combination with a frame adapted to be rigidly fixed on a vehicle, of a camera removably mounted in said frame, and provided with a main lens and a film guide to the rear of said main lens, a secondary lens within the camera, between, to one side of, and with its axis at right angles to the axis of, the main lens and said film guide, a reflecting surface located in the camera adjacent said secondary lens for directing light rays therefrom onto the film passing through the film guide, a housing mounted on the side of said frame, at one side of the camera, speed registering means within said housing and spaced apart from the axis of the secondary lens, a reflecting surface within said housing between said speed registering means and said secondary lens, which reflecting surface is positioned so as to reflect, to said secondary lens, an image of said speed registering means and which frame, camera and housing are provided with aligned openings for transmitting the reflected light.

2,379,405
MILLING MACHINE
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application July 14, 1939, Serial No. 284,387
30 Claims. (Cl. 90—15)

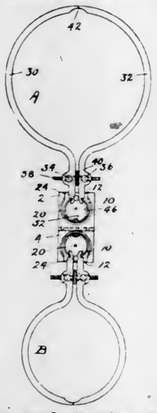
1. A milling machine comprising a frame, a work supporting table slidably mounted on said frame for movement in a horizontal plane, a tool supporting head rotatably mounted in said frame above said table, a transverse slide carried by said head for movement radially thereof, a spindle carrying quill slidably mounted in said slide for vertical axial movement toward or from said table, a tool carrying spindle rotatably mounted in said quill, means mounted on said frame and operatively connected to turn said head for imparting gyratory movement to said spindle, power driving means mounted on said frame, means supporting said power driving means for movement independently of said rotatable head, and a transmission mechanism connecting said power driving means to rotate said spindle for driving a tool supported thereby, whereby the tool in said spindle may be rotated while being moved through circular or arcuate cutting strokes of predetermined radii at different predetermined positions on a workpiece carried by said table.

3. A machine tool comprising a frame, a work holding member movably mounted on said frame, a spindle supporting quill mounted for axial and gyratory bodily movement relative to said frame



in cooperating relationship with said work holding member, a tool carrying spindle rotatably mounted in said quill, power driven means mounted in said frame, means supporting said power driven means for movement independently of said quill, and transmission means operatively connected between said power driven means and said rotatable spindle to drive said spindle.

2,379,406
CENTERING TOOL
Charles B. Alvis, Richmond, Va.
Application May 10, 1944, Serial No. 534,954
6 Claims. (Cl. 33—185)



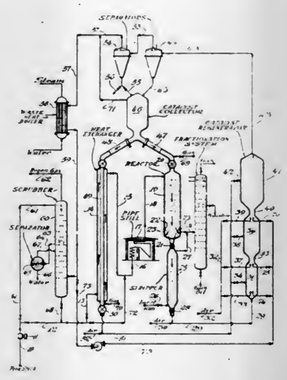
1. A centering tool, having in combination a block having an even base and a front face substantially normal to and contiguous to the base; a pair of caliper arms fulcrumed on a post set in the front face of the block, and with their medial line standing normal to the base; spring means so mounted on the front face as to engage the adjacent ends of the said caliper arms to hold them against the fulcrum and to hold the medial line of the said arms in normal relation to the base of the block; means for adjusting the opening of the caliper; and indicating means on the front face of the block and in cooperative relation with the medial line of the caliper arms.

2,379,407
PACKAGING MACHINE
Elvin Dennis Angell, Chicago, Ill., assignor to Overland Candy Corporation, Chicago, Ill., a corporation of Illinois
Application August 6, 1943, Serial No. 497,618
8 Claims. (Cl. 93—2)



1. A machine for packaging comprising a suitable supporting frame, a conveyor and a support for packages, said support having a slot extending in the direction of movement of said conveyor, said conveyor being located to extend longitudinally of the machine below the slot in said package support, said package support comprising a pair of guide members and said guide members being gradually curved from a shallow convex curvature toward each other and overlapping each other to form an overlapping cylindrical guide, and means carried by said conveyor for conveying a sheet of wrapping material longitudinally of said guide members whereby the sheet is formed into a cylinder with overlapping edge portions.

2,379,408
CATALYTIC CONVERSION SYSTEM
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,516
13 Claims. (Cl. 196—52)



2. A catalytic hydrocarbon conversion process which comprises vaporizing a hydrocarbon charging stock and passing said vapors through a conversion zone maintained at conversion temperature, continuously introducing catalyst at the top of said conversion zone and continuously withdrawing catalyst from a low point of said conversion zone at such a rate as to maintain a moving bed of catalyst in the conversion zone, employing a catalyst of such particle size and density and employing such flow conditions in the conversion zone that the catalyst is not suspended in gases or vapors but flows continuously downward in a compact moving body, continuously passing catalyst from the bottom of said conversion zone to a stripping zone, removing volatile hydrocarbons from the catalyst in said stripping zone, continuously introducing catalyst from said stripping zone in regulated amounts into a stream of an oxygen containing gas, introducing said oxygen containing gas stream together with suspended catalyst at the base of a regeneration zone, passing gases upwardly in said regeneration zone at such a rate as to maintain the catalyst in a liquid-like, dense phase, turbulent gas suspension, burning carbonaceous material from said catalyst while it is in gas suspension, separating regeneration gases from regenerated catalyst and returning at least a portion of the regenerated catalyst to the top of said conversion zone.

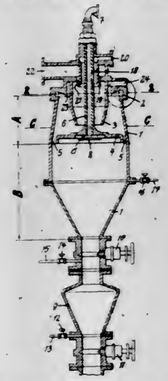
2,379,409
PROCESS FOR CHLORINATING POLYMERIC MATERIALS
Reginald George Robert Bacon and William John Roy Evans, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 30, 1941, Serial No. 400,462. In Great Britain July 3, 1940
9 Claims. (Cl. 204—163)

1. The process for producing a chlorinated polymer of vinyl chloride which comprises preparing an aqueous dispersion of polyvinyl chloride and passing chlorine into said aqueous dispersion in the presence of actinic radiation until the desired degree of chlorination is obtained.

2,379,410
CATALYTIC PRODUCTION OF HYDROGENATED POLYMERS
Richard A. Bannerot, Martinez, Arthur H. Boultbee, Long Beach, and Bernard S. Greensfelder, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 22, 1939, Serial No. 291,364
9 Claims. (Cl. 260—683.6)

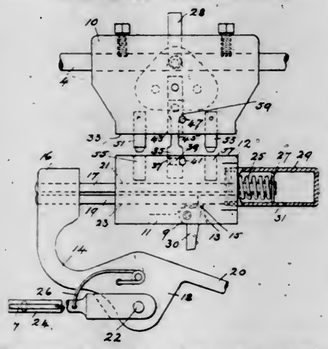
1. A process for producing octanes from hydrocarbon mixtures containing butylenes which comprises catalytically polymerizing the butylenes to produce polymers comprising octylenes having a relatively wide boiling range and containing active oxygen-containing impurities capable of poisoning a hydrogenation catalyst, fractionally distilling said polymers to recover the fraction boiling below about 115° C., said fraction containing substantially none of the aforementioned catalyst-poisoning impurities, and subjecting said recovered polymer fraction, in the presence of effective quantities of hydrogen and under hydrogenating conditions, to the action of a hydrogenating catalyst, thereby producing a high yield of octanes and simultaneously greatly increasing their yield per unit volume of catalyst employed.

2,379,411
METHOD AND APPARATUS FOR PURIFYING PAPER PULP
Andre Bergès, Lorp par St. Lizier, Arriege, France; vested in the Alien Property Custodian
Application July 5, 1938, Serial No. 217,628
In Germany July 10, 1937
11 Claims. (Cl. 92—28)



1. Apparatus for continuous purification particularly of paper pulp comprising a principal vessel of circular cross-section, a top member having an inlet of spiral form arranged circumferentially on said vessel adapted to introduce the paper pulp to be treated tangentially at high speed, said top member having an outlet for the purified pulp centrally of said inlet, a circular baffle located concentrically within said vessel and below said outlet adapted to form therewith a comparatively narrow and deep annular gap and substantially dividing the vessel into two parts, said baffle having a central opening, and a central open-ended pipe of comparatively small diameter fitted in said opening and extending upwards through the top of the vessel.

2,379,412
RAILWAY MAIL DELIVERY DEVICE
Paul Bernstein, Roanoke, Va.
Application October 5, 1943, Serial No. 505,071
4 Claims. (Cl. 258—15)



2. The combination of a main head attached to the mail car; a second head swiveled to the main head; a receiving arm adapted to catch a mail bag, and having an extension adapted to slide in the second head and projecting beyond the second head; compression spring means on the said extension adapted to absorb impact due to the catching of a mail bag; cylinder and piston means for absorbing the recoil of the impact absorbing means; a supporting arm pivoted to the receiving arm and adapted to support a bag to be delivered; spring means to hold the supporting arm in position to deliver a bag; and means for locking the swiveled head to the main head.

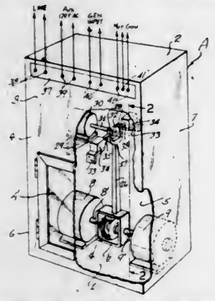
2,379,413
AMIDES OF HIGH MOLECULAR WEIGHT CARBOXYLIC ACIDS
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 28, 1940, Serial No. 342,946
8 Claims. (Cl. 260—404.5)

3. A process comprising heating ethylene diamine at about 180°–325° C. with a substance selected from the group consisting of acids and esters thereof obtained by addition polymerization at elevated temperature of the methyl esters of tung oil fatty acids.

2,379,414
MANUFACTURE OF UNSATURATED HALOGEN-CONTAINING COMPOUNDS
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 12, 1942, Serial No. 461,765
17 Claims. (Cl. 260—654)

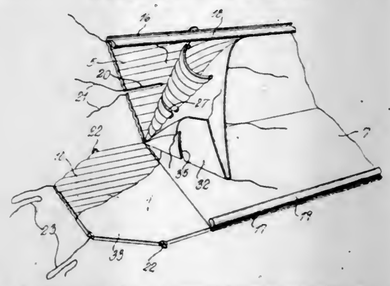
1. The method of effecting substitution halogenation of an unsaturated aliphatic halide containing from 2 to 4 carbon atoms which comprises contacting said halide, at a temperature between 200° C. and 600° C. and in the presence of a catalyst taken from the group consisting of metal, metal oxide, and metal salt oxidation catalysts with oxygen and a halogen having a molecular weight between 70 and 160 in the ratio of one mole oxygen to two moles halogen.

2,379,415
ALTERNATING CURRENT CONTROL OR REGULATING APPARATUS
Wilson A. Charbonneaux, Burlington, Iowa
Application August 11, 1941, Serial No. 406,420
8 Claims. (Cl. 200—92)



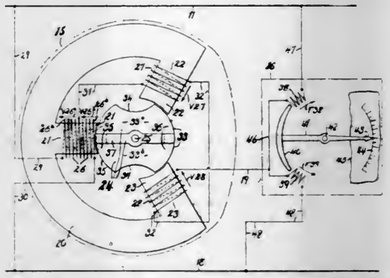
1. Regulating apparatus of the character described comprising a pair of independently rotated shafts, differential means interposed between said shafts, an arm extending from said differential means and swingable in opposite directions dependent upon variations in the relative rotation of said shafts, two regulating switch means spaced apart and mounted on opposite sides of the swinging end of said arm and actuated by swinging movement of the arm, and means intermittently moving said arm to a neutral position out of contact with said switches.

2,379,416
SLEEPING BAG
James L. Clark, New York, N. Y.
Application January 6, 1944, Serial No. 517,280
5 Claims. (Cl. 5—343)



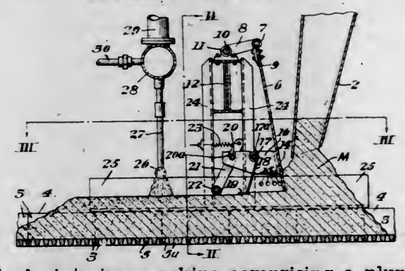
5. A sleeping bag assembly comprising an outer casing folded longitudinally forming a laterally folded lower and an upper leaf, the lower leaf being provided with a full width extension flap for covering the head and face of an occupant, an inner mattress having similar laterally folded leaves encased within and secured to said outer casing, and a sheeting having a shape similar to said outer casing and being similarly folded to provide a laterally folded lower and an upper leaf, said sheeting lying between the folds of said mattress and covering the same, the upper ends of said leaves having pocket portions extending therefrom, the pocket portion of the lower leaf of the sheeting covering the extension flap of the lower leaf of the outer casing, and the pocket portion of the upper leaf of the sheeting covering the upper terminal of the upper leaf of the casing and the upper leaf of the mattress, and means to hold the members in assembled relation.

2,379,417
ELECTRICAL REMOTE-READING POSITION-INDICATING APPARATUS
Albert G. Conrad, Mount Carmel, Conn., assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn., a corporation of New Jersey
Application February 1, 1944, Serial No. 520,624
7 Claims. (Cl. 177—351)



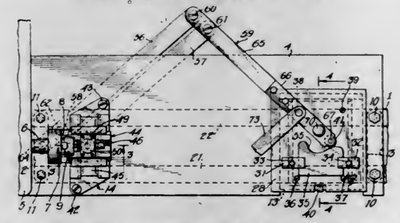
1. An electrical remote-reading position-indicating apparatus, including in combination: a detecting-transmitter device including a field-structure and a complemental armature-structure, one of which structures is movable with respect to the other; the said field-structure including a primary-coil, two secondary-coils constructed and arranged to be inductively energized by flux generated by the said primary-coil, and means electrically interconnecting the said primary-coil and the two said secondary-coils; the said armature-structure having short-circuiting means dividing the same into two magnetically-segregated flux-carrying sections, the said armature-structure being constructed and arranged to cause one of its said flux-carrying sections to progressively increase the flow of flux between the said primary-coil and one of the said secondary-coils and to coincidentally cause the other flux-carrying section to progressively diminish the flow of flux between the said primary-coil and the other of the said secondary-coils as relative movement takes place between the said field-structure and the said armature-structure; and an indicating-receiver device electrically interconnected with the said detecting-transmitter device and provided with an indicator constructed and arranged to respond to changes in the voltages respectively applied to the said secondary-coils as changes of position take place between the armature-structure and field-structure.

2,379,418
SINTERING MACHINE
Martin L. Cover, Allen Park, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application November 9, 1943, Serial No. 509,562
14 Claims. (Cl. 266—21)



1. A sintering machine comprising a plurality of pallets forming a traveling grate structure, each of said pallets having a bottom and side walls extending above the bottom, means for feeding material to be sintered to the pallets, and stationary side guards complementing and extending above the side walls of said pallets adjacent the material-feeding means.

2,379,419
MOLD CUTTING MACHINE AND THE LIKE
Raphael Atti, Cliffside Park, N. J.
Application August 26, 1942, Serial No. 456,138
10 Claims. (Cl. 82—14)



1. The combination of a frame having a rotatively driven work holder, a platform mounted on said frame below said work holder, a tool holder having an axis parallel to the axis of said work holder and above said platform, means for movably supporting said tool holder on said platform, a design defining master, a support for said master mounted on said platform, means for securing said master to said latter support, a stylus for engaging said master, and means be-

low the level of said tool holder for operatively connecting said stylus to said tool holder, said connecting means including a long arm pivotally connected at one end to said bed directly below said work holder, a short arm pivotally connected to said tool holder, a link connecting said arms to one another adjacent to said tool holder, and a control arm, said stylus being operatively mounted on one end of said control arm and the other end of said control arm being pivotally connected to said long and short arms, the five connections between said bed link and three arms making possible the formation of a parallelogram well below the level of said work holder and tool holder, the axis of the stylus, pivotal connection between said short link and short arm and pivotal connection between said long arm and platform being in alinement with one another when the tool holder is positioned to bore a hole in axial alinement with the work holder.

2,379,420

PREPARATION OF TOCOPHEROLS

James G. Baxter and Charles D. Robeson, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application May 8, 1941, Serial No. 392,490

6 Claims. (Cl. 260—333)

1. The process of substantially separating one of the tocopherols from a mixture of free tocopherols which comprises dissolving the mixture in a solvent having relatively weak eluting action, passing this solution through a body of an adsorbent whereby the tocopherols are substantially adsorbed thereon, eluting the unbroken adsorbent body with a relatively weak eluting solvent which will remove substantially only one of the tocopherols until most of one of the tocopherols has been removed with at most minor amounts of the other form of tocopherol and then eluting the unbroken adsorbent body with an eluting solvent having stronger eluting powers than the solvent first used.

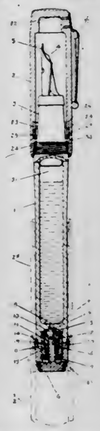
2,379,421

FOUNTAIN PEN

Lloyd A. Brooke, Washington, D. C.

Application December 18, 1942, Serial No. 469,484

13 Claims. (Cl. 120—47)



2. A self-filling fountain pen, comprising an ink barrel having a pen and feed plug at one end and an opening for the passage of air into and out of the barrel at the other end, an imperforate piston operable externally of the barrel and over the air opening therein, a check-valve on the outside of the barrel normally controlling the air opening, manually operable means for moving the check-valve out of operative relation with the opening it controls, so that air can pass therethrough when the piston is moved to introduce air into the barrel, and means operated by the piston for restoring the valve to its normal position.

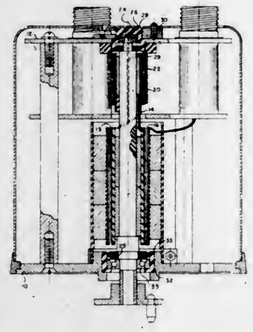
2,379,422

GONIOMETER CONSTRUCTION

Henri G. Busignies, Forest Hills, N. Y., and Avery G. Richardson, Boonton, N. J., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware

Application July 17, 1942, Serial No. 451,308

5 Claims. (Cl. 250—11)



1. In a goniometer construction having relatively movable coils and a shaft adapted for periods of continuous rotation at a relatively high rate of speed and for supporting at least one of said coils; the combination therewith of a pair of shaft supporting members, a pair of ball-bearing races supporting said shaft, a pair of bushings of insulating material one each to support one of said ball-bearing races, and means mounting said bushings on said members.

2,379,423

REDUCTION OF IRON ORES AND ENHANCEMENT OF GASES

Arthur T. Cape, Santa Cruz, Calif., Herman A. Brassert, Washington, Conn., and Llewellyn H. Thomas, Columbus, Ohio

No Drawing. Application August 29, 1942, Serial No. 456,690

2 Claims. (Cl. 75—35)

1. In a method of reducing iron oxide ores, the steps which consist in bringing the ore into contact with a reducing gas at a temperature of from about 900° F. to about 1350° F., said reducing gas consisting principally of hydrogen and methane, but containing minor amounts of carbon monoxide, carbon dioxide, hydrogen sulphide and water vapor, the sum of the percentages of carbon monoxide and carbon dioxide being less than about 15%, removing at least a portion of the spent gas, cooling said portion, and mixing the latter with fresh reducing gas, the amount of gas thus recirculated being limited so as not to increase the percentage of carbon monoxide and carbon dioxide in the reduction gas beyond said 15%.

2,379,424

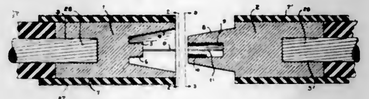
CABLE CONNECTOR

Roy W. Clinkscale, Vallejo, Calif., and Wesley McL. Hague and Evander W. Sylvester, United States Navy

Application December 18, 1941, Serial No. 423,470

4 Claims. (Cl. 287—125)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A quick-detachable two part connector, the first part including at one end a recess having a conical surface and an axially positioned stud therein having male interrupted threads, the second part including at one end an external conical surface and an axially extending recess having female interrupted threads, the interruptions of said threads in each part being so oriented and the threaded stud of the first part being so positioned along the axis of the conical recess of the first part that when the external conical surface of the second part is entered into the conical recess of the first part, and the conical surfaces thereby brought into contact with each other, the male interrupted threads on the stud of the first part are in position for engagement with the female interrupted threads in the recess of the second part, and said connector parts may then be tightly jcined by a slight rotation of the parts relative to each other.

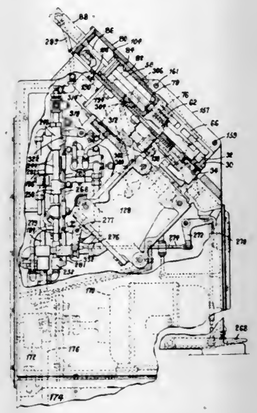
2,379,425

MACHINE FOR SHAPING SHOE UPPERS

René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 20, 1942, Serial No. 447,791

45 Claims. (Cl. 12—97)



1. In a machine for shaping shoe uppers, the combination with inner and outer upper shaping molds, of flange forming members, and pressure fluid operated means for moving the flange forming members heightwise of the upper, said means being positioned in heightwise alinement with the upper and arranged for movement heightwise of the upper.

2,379,426

BLIND GUIDE

Otto E. Edstrom, San Francisco, Calif.

Application June 27, 1944, Serial No. 542,387

6 Claims. (Cl. 135—47)



1. A blind guide comprising a cane; a rolling support upon the lower end of said cane; and a horizontally disposed wheel mounted upon the lower end of said cane and above said rolling support.

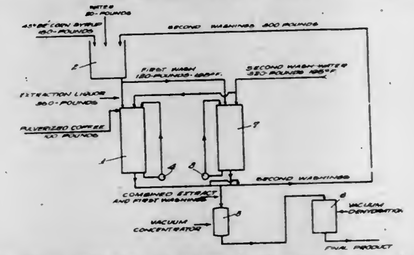
2,379,427

MANUFACTURE OF DEHYDRATED COFFEE

Walter R. Fetzer, Clayton, Mo., assignor to Union Starch & Refining Company, Columbus, Ind., a corporation of Indiana

Application October 31, 1942, Serial No. 464,092

6 Claims. (Cl. 99—71)



1. The process of manufacturing solid dehydrated coffee which comprises extracting the coffee constituents of ground coffee with a corn syrup solution and dehydrating the resulting coffee corn syrup mix.

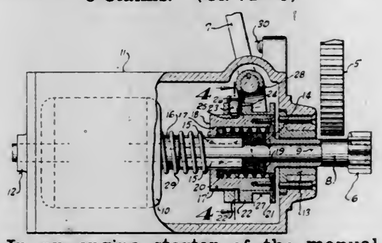
2,379,428

ENGINE STARTER

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application May 20, 1942, Serial No. 443,731

8 Claims. (Cl. 74—6)



1. In an engine starter of the manual type having a pinion manually meshed with the ring gear before the circuit to the starting motor is closed, the combination of: a spring urging the

pinion to an out-of-mesh position; a manually operable actuator; means for closing the circuit of the starting motor by the final movement of the actuator; a releasable connection between the actuator and a part movable both axially and rotarily with the pinion whereby the pinion may be moved into mesh by the actuator and released for demeshing independently of the actuator, said releasable connection including a centrifugally responsive latch carried by a part revolving with the pinion and through which motion of the actuator is transmitted to the pinion part and consequently to the pinion, said centrifugally responsive latch being operable to disrupt the connection between the actuator and said pinion part when the pinion attains a predetermined speed of rotation.

2,379,429

ALLOY FOR USE IN ELECTROLYTIC CELL

Donald W. Forsgren and Waldo W. Forsgren, Salt Lake City, Utah, assignors to U. S. Metallic Magnesium Company, Salt Lake City, Utah

No Drawing. Application September 17, 1943, Serial No. 502,827

1 Claim. (Cl. 75—169)

A new alloy for use in electrolytic cells for use in the production of magnesium metal comprising 12.4% lead, 13.02% bismuth and 74.58% mercury.

2,379,430

GOLFER'S GLOVE

Norman B. Frost, Washington, D. C.

Application August 2, 1943, Serial No. 496,993

4 Claims. (Cl. 2—159)



1. A golfer's glove comprising means surrounding the fingers of one hand, and a supplemental finger pocket on the outer side of the glove, open at the finger tip end, to receive a finger of the other hand to facilitate club grip.

2,379,431

POLYMERIZATION OF BUTADIENES

Charles F. Fryling, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application June 27, 1941, Serial No. 400,092

10 Claims. (Cl. 260—84.5)

1. In a process of polymerizing a butadiene-1,3 in the form of an aqueous emulsion in the presence of a salt of an organic base containing a chain of at least 12 carbon atoms as an emulsifying agent, the step which comprises incorporating in the emulsion prior to the completion of the polymerization an activator consisting of a compound ionizable to yield copper ions and a compound ionizable to yield bisulfite ions.

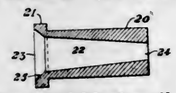
2,379,432

NOZZLE

John Allen Heany, New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y., a corporation of New York

Application April 21, 1942, Serial No. 439,814

3 Claims. (Cl. 51—11)



1. A nozzle for sand blasts, oil chokes, and the like comprising a tube having inlet and outet ends, the duct of the tube decreasing in size from the inlet to the outlet, the rate of size decrement of outlet relative to inlet being approximately two inches per foot.

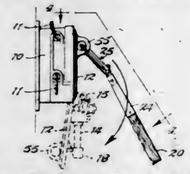
2,379,433

FUSE HANDLING IMPLEMENT

Norman A. Hemmerling, North Tonawanda, N. Y.

Application May 26, 1944, Serial No. 537,415

7 Claims. (Cl. 294—19)



1. A fuse handling implement for use in connection with high tension fuses, including a shank portion to which a rod of insulating material may be connected, a body portion mounted on said shank portion and having an open-sided recess on one side thereof adjacent to the end thereof, a hook member pivotally mounted on said body portion with its back arranged to close the open side of said recess, and means for yieldingly urging said hook member into position to close said recess.

2,379,434

BEARING

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application December 20, 1941, Serial No. 423,791

6 Claims. (Cl. 308—242)

1. A bearing formed of a metal composition of 2 to 35% thallium and the balance substantially all copper.

2,379,435

BEARING AND THE LIKE

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application December 20, 1941, Serial No. 423,822

2 Claims. (Cl. 308—242)

1. A bearing formed of a metal composition of 1 to 34% thallium, 1 to 34% lead and the balance substantially all copper, said copper constituting at least 65% of the composition.

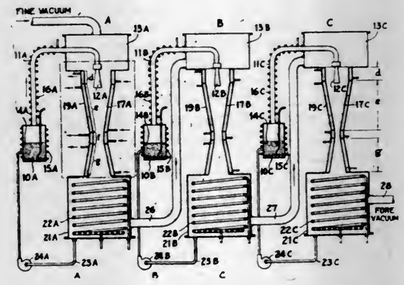
2,379,436

METHOD AND APPARATUS FOR PRODUCING VACUUMS

Kenneth C. D. Hickman and George A. Kuipers, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application May 20, 1942, Serial No. 443,732

25 Claims. (Cl. 230—101)



1. The method of producing vacuums to extremely low pressures which method comprises heating a source of relatively stable organic liquid to convert it into its vapor phase, accelerating the molecules of said vapor, and causing said accelerated molecules to issue as a jet in aspirating relation to an opening communicating with the space to be evacuated, the speed of said issuing molecules being greater than their random velocity.

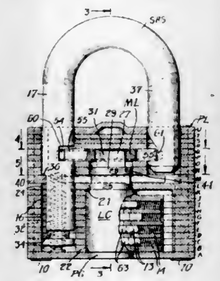
2,379,437

LAMINATED PADLOCK

John Hines, South Norwalk, Conn., and Louis Segal, New York, N. Y., assignors to Norwalk Lock Company, New York, N. Y., a corporation of Connecticut

Application January 7, 1943, Serial No. 471,588

16 Claims. (Cl. 70—38)



1. In a padlock, a shackle having a pair of spaced shanks, a laminated casing embodying a plurality of superimposed plates including alined means for rotatably and slidably guiding one shank of said shackle, a rim intervening a pair of said plates and having means projecting into said alined means for limiting linear displacement of said shackle, latch means within said casing and cooperating to interlock with said shackle and having an elongated opening defining opposed tapering portions, and rotatable means having an extension projecting into said opening and coacting with said portions for actuating said latch means to unlock from said shackle.

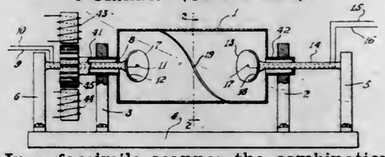
2,379,438

FACSIMILE APPARATUS

John V. L. Hogan, Forest Hills, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of New York

Application May 22, 1942, Serial No. 444,005

9 Claims. (Cl. 178—7.1)



1. In a facsimile scanner the combination of, a scanning drum including a helical slot, a pair of photo-electric cells, means for mounting said cells near the ends and inside said drum, a linear slot formed between two curved plates and adjacent said drum, means for moving a copy sheet to be scanned over said curved plates, a linear light source for illuminating said linear aperture through said copy, and means for rotating said drum to linearly scan said copy at the intersection of said helical and linear apertures.

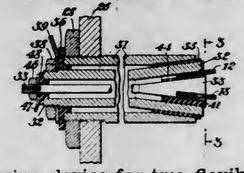
2,379,439

HIGH FREQUENCY CIRCUIT STRUCTURE

William Hotine, Bayville, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware

Application March 20, 1942, Serial No. 435,544

2 Claims. (Cl. 173—328)



1. A gripping device for two flexible leads of a vacuum tube, comprising an inner conductive member having a conical configuration and an outer conductive member disposed outside thereof and having a conical recess surrounding said conical configuration, a generally conical insulating member interposed between the outside of said conical configuration and the inner surface of said recess, a connecting member attached to the inner member and arranged to exert pressure on the outer member to move the inner member longitudinally with respect to the outer member, the insulating member being clamped between the inner surface of the conical recess and the outer surface of the conical configuration by pressure exerted by said surfaces substantially normal to said direction of movement, said pair of flexible leads being respectively disposed inside and outside of said insulating member so as to be clamped against said inner and outer conductive members respectively.

2,379,440

LOCK DEVICE

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Original application April 3, 1942, Serial No. 437,547, now Patent No. 2,357,004, dated August 29, 1944. Divided and this application October 9, 1943, Serial No. 505,593

3 Claims. (Cl. 70—377)

1. A tumbler for locks comprising: a substantially flat member having a portion cut away to

provide a key receiving recess, said recess dividing the member into intermediate and end sections, said intermediate section having a projec-

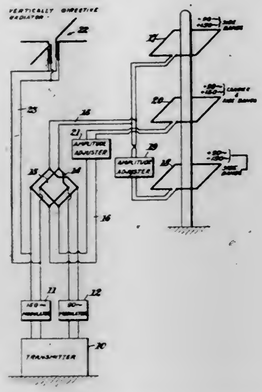


tion on its recess edge which is bent around and substantially against one flat face of the intermediate section to provide a spring rest in line with said intermediate section.

2,379,441
SOYBEAN FOOD CONCENTRATE AND METHOD OF PREPARATION
Arnold A. Kaehler, Red Wing, Minn.
No Drawing. Application May 17, 1943, Serial No. 487,331
4 Claims. (Cl. 99—98)

1. A food product high in protein content and vitamins comprising, a homogeneous mixture of soy particles and granules from the aleurone layers of wheat, said aleurone granules neutralizing and submerging the undesirable taste characteristics of the soybean products.

2,379,442
INSTRUMENT LANDING GUIDE SYSTEM
Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application May 11, 1942, Serial No. 442,462
18 Claims. (Cl. 250—11)

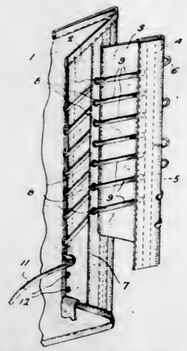


1. A radio glide path beacon comprising a first radiation means for producing a radiation pattern having at least two lobes of radiation in a vertical plane with a minimum between said lobes, whereby energy in said lobes is oppositely phased, means for positioning said first radiation means to produce said minimum at the desired landing angle, a second radiation means for producing a radiation pattern having a lobe in the vertical plane overlapping said first two lobes, means for supplying energy to said radiation means, and means for characterizing the energy supplied to said first and second radiation means with modulations of effectively opposite phase so that energy from said last named lobe will add and subtract from said first two lobes to produce an equi-signal glide path at said desired landing angle.

2,379,443
PROCESS OF MANUFACTURING IDENTIFIABLE PAPER
Morris S. Kantrowitz and Earl J. Gosnell, Washington, D. C.
No Drawing. Application March 15, 1943, Serial No. 479,186
2 Claims. (Cl. 92—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of manufacturing identifiable paper which comprises forming an aqueous suspension of cellulosic fibers containing about 1.5 percent by weight cellulose, incorporating with said suspension about 20 percent by weight based on cellulosic content, of hydrated ferric chloride, hydrolyzing said ferric chloride and precipitating colloidal ferric hydroxide in said fibers by heating said suspension to a temperature of about 140 degrees F., then incorporating about 0.8 percent based on dry weight of the thus-treated fibers in a paper base stock, and then forming paper from the resulting mixed stock, whereby the resulting paper is latently identifiable.

2,379,444
CORSET
Joseph J. Kispert, Branford, Conn.
Application September 25, 1943, Serial No. 503,798
17 Claims. (Cl. 2—39)

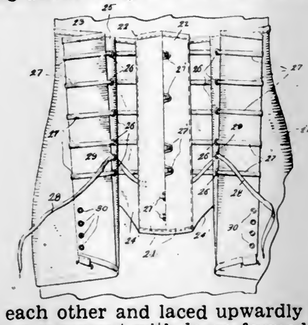


1. A garment comprising a body having closure portions along an opening for the body, vest sections under said closure portions having interengaging fasteners along free side edges, tapes under said closure portions extending transversely thereof and having folded ends secured to free side edges thereof and projecting outwardly therefrom, and laces passed back and forth between the closure portions and between folded tapes and confronting faces of the closure portions and tightened to draw the closure portions toward each other to closed position.

2,379,445
UPLIFT CORSET
Joseph J. Kispert, Branford, Conn.
Application May 15, 1944, Serial No. 535,688
12 Claims. (Cl. 2—27)

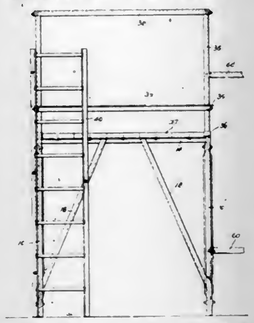
10. A garment comprising a body having a vest and closure portions overlying the vest when closed, said vest consisting of companion sections having free side edges provided with interengageable fasteners for holding the vest closed, strips extending vertically and secured between inner edge portions of the vest sections and the closure portions, eyelets carried by said strips, tapes slidably passing through said eyelets and

extending transversely of the vest sections and closure portions and secured at their ends to the vest sections and outer side edges of said closure portions, other eyelets carried by said strips and spaced upwardly from lower ones of said tapes, and laces secured to said vest sections below the lowest tapes and carried upwardly and threaded through the second mentioned eyelets and then extending downwardly therefrom in crossed rela-



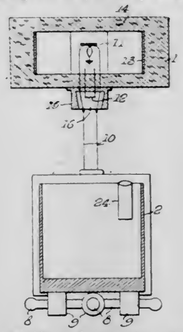
tion to each other and laced upwardly back and forth in engagement with loops formed by outer end portions of the tapes and secured, and eyelets carried by free outer side edges of the closure portions between their lower ends and said tapes whereby lower end portions of the closure portions may be constricted by laces threaded through the last mentioned eyelets.

2,379,446
SCAFFOLDING
William H. Krueger, Milwaukee, Wis., assignor, by direct and mesne assignments, to Flangelock Patents Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 5, 1942, Serial No. 460,881
13 Claims. (Cl. 304—2)



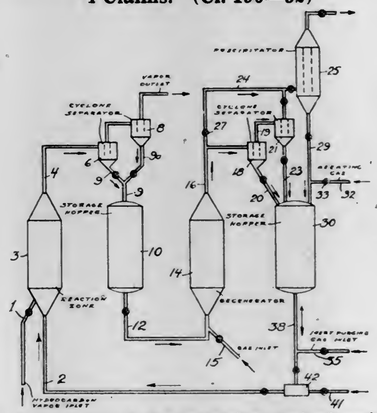
1. In a scaffold comprising prefabricated end frame members, each end frame member including spaced uprights having offset portions and a horizontal connecting element positioned at the upper end portions of said uprights, brace members connecting the horizontal member at each side of its center portion with the lower end portions of the uprights, side members connecting and bracing the end members, a superimposed frame adapted to be connected to the upper end of said uprights, and means for locking the superimposed frame member to said uprights including sockets formed at the upper ends of said uprights, said sockets including the offset wall portions of said uprights, a connecting member extending across said offset wall portions, and an adjustable filler block and locking means for said block.

2,379,447
ANTISUBMARINE DEVICE
Henry A. D. Lindsey, Hickam Field, Territory of Hawaii
Application March 19, 1942, Serial No. 435,263
7 Claims. (Cl. 102—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the character described comprising a float, an explosive charge carried by said float, a radiant energy amplifier including detonating means in engagement with said explosive charge, said detonating means connected to become active to explode said charge upon a current flowing in said amplifier, a mine suspended from said float and connected to be released therefrom by said explosive charge, means for producing a current in said amplifier, whereby said detonating means will explode said charge for releasing said mine from said float and means for detonating said mine upon being released from said float.

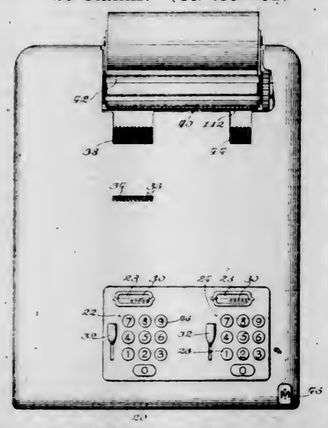
2,379,448
HANDLING PULVERULENT MATERIAL
Norman F. Linn, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 30, 1941, Serial No. 404,594
4 Claims. (Cl. 196—52)



4. In a process for carrying out chemical reactions in the vapor phase with a powdered catalyst consisting of a mixture of solid particles of different sizes, in which said catalyst is continuously conveyed through the system as a suspension in a gas or vapor and in which the catalyst is separated by subjecting the suspension of catalyst in said gas or vapor to centrifugal action in a first separating zone whereby the relatively coarse

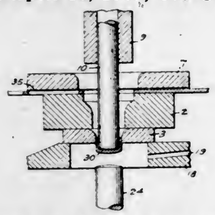
catalyst particles are separated and then to the precipitating action of electrical discharges in a second separating zone to remove the relatively fine solid particles, the method for improving the flow characteristics of the fine catalyst particles leaving said second separating zone, which comprises by-passing a portion of the catalyst mixture being fed to the first separating zone, mixing said portion with the fine catalyst particles passing to said second separating zone, subjecting said mixture in said second separating zone to the action of elctrical discharges, and removing a mixture of coarse and fine particles from the last named zone in a freely flowing condition.

2,379,449
MULTIPLYING MACHINE
Thomas O. Mehan, Park Ridge, and Hunter E. Hooe, Chicago, Ill., assignors to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application July 31, 1941, Serial No. 404,934
20 Claims. (Cl. 235—61)



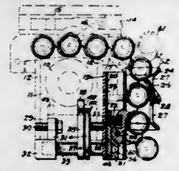
16. In a multiplying machine for performing problems of multiplication by a method including operations of repeated addition carried on simultaneously in a plurality of accumulators, the combination of a multiplicand keyboard and a first stop mechanism controlled thereby, a multiplier keyboard and a second stop mechanism controlled thereby, multiplicand actuators cooperable with said stop mechanism and reciprocated during each adding cycle differential distances corresponding to the setting in said multiplicand keyboard, a plurality of accumulators engageable with said actuators, each of said accumulators corresponding to a denominational order of the multiplier, multiplier control elements differentially positioned by said second stop mechanism numbers of steps corresponding respectively to the digits entered in said multiplier keyboard, means operated by said multiplier control elements to cause engagement of said accumulators with said actuators to effect addition of the multiplicand therein numbers of times equal to the digit of the corresponding denominational order of the multiplier, means to initiate total transfer operations upon completion of the adding operations, said last named means including means for shifting said accumulators laterally different distances to effect denominational alignment with said multiplicand actuators of the sub-products registered therein, and a total transfer mechanism for effecting successive transfer to one of said accumulators of the sub-products contained in the other accumulators.

2,379,450
PRIMER MANUFACTURE
Clarence Walton Musser, Philadelphia, Pa.
Application June 16, 1942, Serial No. 447,301
5 Claims. (Cl. 113—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for forming a flat-headed cup-shaped member out of sheet stock, the combination of a die having input and discharge ends, a draw punch having a working face and being axially movable from a starting position where said face is spaced from said die's input end toward and through said die to a finishing position where said face is more than said cup member's length beyond said die's discharge end, means for severing a blank from said stock and for placing said blank between said draw punch face in its said starting position and the input end of said die, means thereafter effective for moving said draw punch from its said starting position toward its said finishing position whereby to force said blank through said die and thereby form it into a cup-shaped member having a rounded head, and a backing punch with a working face placed more than said cup member's length beyond said die's discharge end and there so restrained that upon advancement of said draw punch to its said finishing position said face of the backing punch contacts the round head of said cup-shaped member and flattens it against the working face of said draw punch, the said working faces of said draw and backing punches being so oppositely curved that there is set up during said flattening operation a reverse bending in said cup member head which overcomes the elastic recovery tending to round the head.

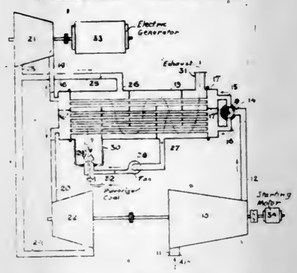
2,379,451
CARTRIDGE POWER FEED MECHANISM
Richard N. Nelson, Black River Falls, Wis.
Application April 27, 1942, Serial No. 440,581
1 Claim. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An auxiliary feed mechanism adapted for use with a machine gun having a barrel and barrel extension reciprocable in recoil and counter-recoil and a frame comprising side plates having fastening means thereon and a cartridge belt feeding mechanism, said auxiliary feed mechanism comprising a body plate adapted for mounting on one of the side plates of the gun, said body plate having a guideway for the reception of a feed slide, and fastening means for aligned engagement with the first mentioned fastening means whereby the said body plate is rotatable

through 180° azimuth about the axis of the guideway for attachment at will to either side plate of the gun, a feed slide reciprocable in said guideway, a feed pawl reciprocable in the guideway for feeding cartridges, a pair of bearings at opposite lower corners of the body plate, a bracket for attachment to one of said side plates directly opposite one of the bearings, a bearing in the bracket, means for securing the bracket to the side plate of the gun, a shaft rockably mounted in the bearing in the bracket and in a preselected one of said pair of bearings in the body plate, an operating arm on the shaft and constructed for coupling at one of its ends to either end of the shaft and at its other end to the feed slide, an actuating lever having one end connected to the shaft and the other engageable behind a rear face on the barrel extension, a return lever detachably mounted on the shaft and positively coupled thereto, said lever having an end adapted to abut a front face of the barrel extension and adapted upon the counterrecoil of the gun to operate said lever to reciprocate the feed slide, a cartridge belt guide detachably secured to the body plate and having a belt passage therethrough, said guide having a pair of vertically spaced apertures symmetrically disposed with respect to the top and bottom edges of the guide, and a rockable holding pawl pivoted to the guide and projecting in operative relationship through one of the apertures of said cartridge belt guide.

2,379,452
ELASTIC FLUID POWER PLANT
Frederick Nettel, Manhasset, and John Kreitner, New York, N. Y.
Application December 9, 1942, Serial No. 468,380
6 Claims. (Cl. 60—59)

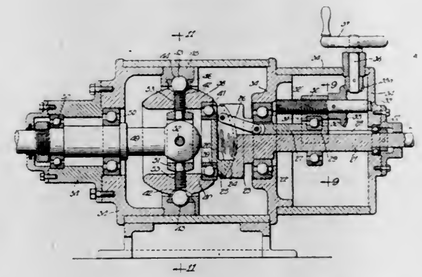


1. In combustion turbine power plants including a compressor driving turbine and a useful power turbine, said two turbines being mechanically independent of each other and arranged in parallel with respect to the flow of the working fluid, the combination of fuel burning means for creating a heating gas stream, conduit means for said heating gas stream, heating surfaces arranged to transfer the heat of said gas stream onto the compressed working fluid, conduit means for bifurcating the stream of the compressed working fluid in front of its inlet to said heating means, conduit means for leading two separate branch streams of the compressed working fluid past said heating surfaces into said two turbines, means for controlling the flow resistance of at least one of said branch conduits disposed in front of its inlet to said heating means, and conduit means connecting the outlet of at least one of said turbines to a point of said heating gas conduit where the gas temperature is substantially equal to or lower than the temperature of the expanded working fluid prior to its admixture to the gas stream.

2,379,453
MINERAL OIL COMPOSITION
Thomas T. Noland, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 1, 1944, Serial No. 538,333
11 Claims. (Cl. 252—33)

1. A mineral oil composition comprising a viscous mineral oil fraction containing a minor proportion, from about 0.1 per cent to about 3.0 per cent, sufficient to inhibit the deteriorating effects of oxidation upon the oil, of a phosphorus- and sulfur-containing reaction product obtained by reaction, at a temperature greater than about 100° C., of a phosphorus sulfide and a material selected from the group consisting of a dicyclic terpene and an essential oil predominantly comprised of a dicyclic terpene, said reaction product normally tending to form a haze in the oil; and a minor proportion, from about 0.001 per cent to about 0.3 per cent, sufficient to suppress the formation of said haze, of an oil-miscible metal salt of a sulfonic acid.

2,379,454
MECHANICAL MOVEMENT
Werner Nowka, Garden City, N. Y., assignor to Varispeed Corporation, Dover, Del.
Application July 24, 1943, Serial No. 496,002
19 Claims. (Cl. 74—63)

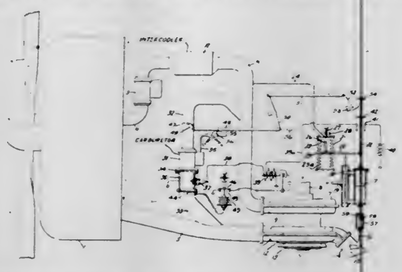


1. A mechanical movement comprising, in combination, a drive shaft, a driving element mounted on said drive shaft, a driven shaft, a driven element mounted on said driven shaft, and guide means located in such position relative to said driving and driven elements to cooperate with the driving and driven elements to cause the driving element to impart to the said driven element a rotation determined by the said relative position of the guide means with respect to the driving element and driven element.

2,379,455
ENGINE SUPERCHARGER SYSTEM
David C. Prince, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 20, 1942, Serial No. 451,545
3 Claims. (Cl. 60—13)

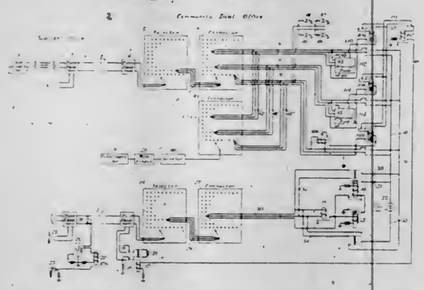
2. In combination, an internal combustion engine, a gas turbine, a conduct connecting the exhaust conduit of the engine to the turbine for supplying gas thereto, a compressor driven by the turbine, a conduit connecting the discharge side of the compressor to the engine intake, a by-pass conduit connecting the discharge side of the compressor to the gas turbine, a combustion chamber in said by-pass conduit, means for sup-

plying fuel to the combustion chamber, valve means for controlling flow of air through said by-pass conduit and flow of fuel through said fuel



supplying means, and means responsive to pressure on the discharge side of the compressor for controlling said valve means.

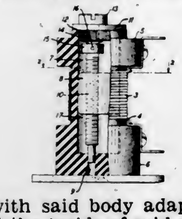
2,379,456
TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 5, 1944, Serial No. 534,273
5 Claims. (Cl. 179—27)



1. A telephone system including an unattended exchange having two connectors, a multi-party telephone line on which incoming calls for a particular one of the parties on the line are to be intercepted, means for connecting said line to a terminal in one of said connectors which terminal might be reached by dialing a designated number, means for connecting said line to a terminal in the other connector which terminal might be reached by dialing another designated number, and means connected to said telephone line and responsive only to the particular code signal for the party whose calls are to be intercepted for transmitting a signal to an attended exchange.

2,379,457
VARIABLE INDUCTIVE DEVICE
Ralph H. Ricker, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1942, Serial No. 470,667
2 Claims. (Cl. 171—242)

1. A variable inductive device comprising a hollow insulating spool, a winding on the outside of said spool, a metallic body within said spool adapted to move relatively to said winding to vary the inductance thereof, a rod attached to said body eccentrically and adapted to move said body longitudinally when said rod is turned about its axis, means associated with said rod and said spool near the head of said rod to prevent longitudinal movement of said rod, and spring means

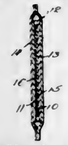


associated with said body adapted to force said body against the inside of said spool.

2,379,458
LAUNDRY FINISHING COMPOSITION
Edward A. Robinson, Mount Lebanon, Pa., assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 18, 1942, Serial No. 435,206
4 Claims. (Cl. 8—137)

3. The method of laundering fabrics which comprises introducing into a rinse bath in the laundering cycle a laundry finishing composition comprising a major portion of a compound selected from the group consisting of magnesium sulphate and magnesium chloride, and a minor portion boric acid, thereby converting soluble soap residues into insoluble magnesium soaps and simultaneously effecting dispersion of the magnesium soaps so formed to such a degree that a substantial portion of the magnesium soaps so formed is capable of being flushed from the fabrics when the rinse water is drained therefrom.

2,379,459
TEMPERATURE INDICATOR
Raymond Paul Schreiber and William McC. Lee, Washington, D. C., assignors to the Government of the United States of America, as represented by the Secretary of War and his successors in office
Application February 2, 1944, Serial No. 520,822
9 Claims. (Cl. 73—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757

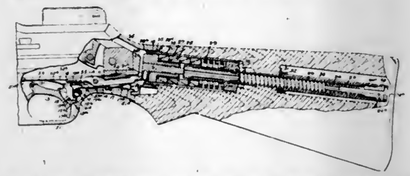


2. A temperature indicator comprising a sheet of absorbent material having a dry dye printed on one face and a sheet having printed thereon a solid solvent for said dye liquefiable at the temperature to which the indicator is designed to respond, and means to secure the two sheets together with the printed faces in contact.

2,379,460
TREATMENT OF RUBBER
Winfield Scott, deceased, late of Akron, Ohio, by Ruth P. Scott, executrix, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 12, 1943, Serial No. 498,397
8 Claims. (Cl. 260—783)

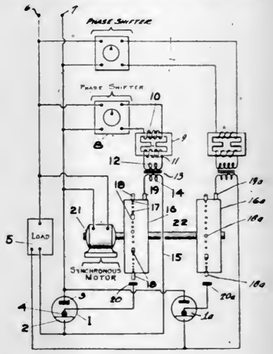
1. A method of treating rubber which comprises vulcanizing it in the presence of a tetrahydro polycyclic quinone of condensed ring structure.

2,379,461
FIREARM
Clarence E. Simpson, Springfield, Mass.
Application August 21, 1941, Serial No. 407,715
22 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



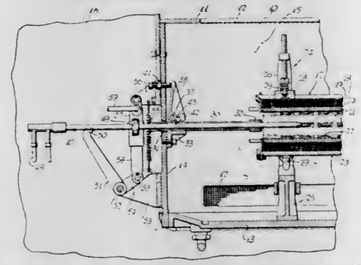
20. In a firearm, a slide, a sear cooperating therewith, trigger means having two firing positions, said trigger means operating to disengage said sear from said slide in one of said firing positions, auxiliary means for disengaging said sear from said slide, said auxiliary means being inoperative in said first trigger firing position, said auxiliary means arranged to be rendered operative by said trigger means in said second firing position and comprising a member mounted for reciprocating movement, said member arranged to be forced in one direction by said slide and to disengage said sear from said slide during its return movement.

2,379,462
IGNITION TUBE TIMING ARRANGEMENT
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 30, 1941, Serial No. 404,647
12 Claims. (Cl. 250—27)



11. An electrical space discharge device of the ignition type having a cathode, an anode and an igniting electrode, means for supplying a periodic voltage between said cathode and said anode, an ignition circuit connecting said ignition electrode and said cathode, impulse means for producing energy impulses for said igniting electrode substantially in synchronism with said periodic voltage, means independent of said impulse means to distribute said impulses to said igniting electrode only during selected periods of said periodic voltage comprising a pair of elctrodes forming a normally non-conductive spark gap, means for impressing said igniting impulses between said pair of electrodes in series with the igniting electrode cathode path, and means for causing said spark gap to become conductive under the influence of said igniting impulses only during selected periods of said periodic voltage.

2,379,463
ADJUSTABLE STOP MECHANISM
Harold A. Strickland, Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 1, 1943, Serial No. 500,773
5 Claims. (Cl. 263—6)

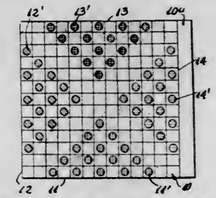


1. In heating apparatus, a furnace chamber having an opening through which a workpiece is movable, a slidable stop for limiting the movement of the workpiece through said opening and means for locking said stop at variable points with reference to said chamber, said locking means comprising a frictional element pivotally mounted adjacent said stop and means imparting pivotal movement to said frictional element to and from said stop whereby the stop may, at will, fixedly hold in any desired position relative to the furnace chamber.

2,379,464
SYNTHETIC RUBBER COMPOSITIONS
Herman R. Thies, Kent, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application September 5, 1941, Serial No. 409,656
8 Claims. (Cl. 260—5)

1. A composition comprising a rubbery butadiene-acrylonitrile copolymer and cyclized rubber, the cyclized rubber being present in an amount between about 25% and about 75% of the sum of the two ingredients.

2,379,465
CHECKER GAME
Jacob J. Vollmer, Franklin Square, N. Y.
Application July 29, 1943, Serial No. 496,526
3 Claims. (Cl. 273—131)



1. A checker game having a game board imprinted with squares, a frame vertically slidably mounted on the side edges of said checker board, said game board being formed with grooves in its top face between the adjacent sides of the squares imprinted on said game board, guide strings mounted between the sides of said frame and disposed in said grooves in the down position of said frame, a diagram sheet the same size as said board and imprinted with the same number of squares the same size as the squares of said board and adapted to be superimposed on said board

with its squares aligned with the squares of said game board and the representation of checkers at the start of a game in certain of said squares to be rested on said game board to act as a guide in placing the checkers on the game board, and a slot formed in one side of said frame beneath said strings, whereby when said frame is raised said strings and slot will be above said board so that said sheet may be slipped through said slot to a position on said board beneath said strings to have checkers placed on said sheet after which said sheet may be withdrawn with said strings acting to retain said checkers in position on said board.

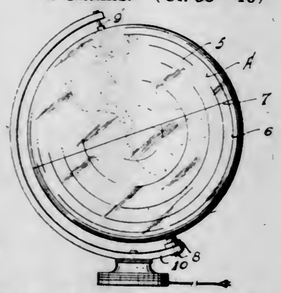
2,379,466
METHOD OF MAKING ALUMINUM FORGINGS
Kenneth P. Abbe, Longmeadow, Mass.
No Drawing. Application January 2, 1943, Serial No. 471,214
2 Claims. (Cl. 148—21.1)

1. The method which consists in completely wetting aluminum forgings with a water solution containing more than a trace of sodium borate, drying the forgings, and then heat treating them in a furnace under high heat treating temperatures but without fusion, to give them strength, the said preliminary steps of wetting and drying the forgings with said solution prior to their said heat treatment step being for the purpose of avoiding blisters during said final step.

2,379,467
METHOD OF MAKING ALUMINUM FORGINGS
Kenneth P. Abbe, Longmeadow, Mass.
No Drawing. Original application January 2, 1943, Serial No. 471,214. Divided and this application March 17, 1945, Serial No. 583,397
2 Claims. (Cl. 148—21.1)

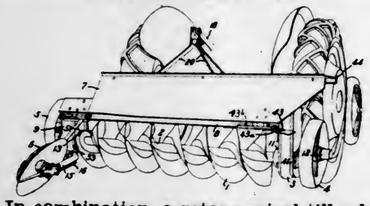
1. The method which consists in completely wetting aluminum forgings with a water solution containing more than a trace of sodium fluorborate, drying the forgings, and then heat treating them in a furnace under high heat treating temperatures but without fusion, to give them strength, the said preliminary steps of wetting and drying the forgings with said solution prior to their said heat treatment step being for the purpose of avoiding blisters during said final step.

2,379,468
GLOBE
Jane A. Arnold, Salt Lake City, Utah
Application April 20, 1943, Serial No. 483,733
4 Claims. (Cl. 35—46)



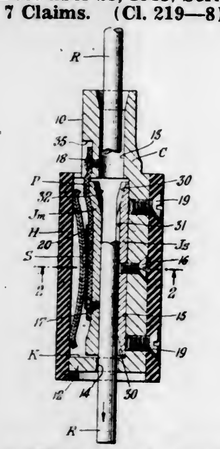
1. A globe of the class described comprising transparent identical hemispheres fitted together to form a globe; and removable film like spherical inserts for said globe of substantially the same radius as said globe, said inserts carrying visual information thereon, such information being visible through said globe.

2,379,469
SPIRAL TILLER
John Peter Bagan, Portland, Oreg., assignor of one-third to Anthony R. Wanezek, Marshfield, Oreg.
Application July 20, 1943, Serial No. 495,462
7 Claims. (Cl. 97—41)



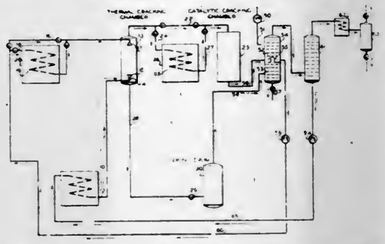
1. In combination, a rotary spiral tiller having a spiral blade mounted for rotation on a substantially horizontal axis in a supporting structure carried on wheels, means carried by said structure for transmitting rotary motion to said spiral blade, a disc wheel mounted rearwardly and at one end of said structure to ride in the edge of the furrow produced by said tiller blade to resist the end thrust of said tiller blade, a tractor having supporting means for attachment to said structure and a drive shaft for connection to the means on said structure for rotating said spiral blade, and a spring cushioned shock-absorbing thrust rod attached to said tractor and structure and extending at an angle to the path of the tractor from the tractor to a point adjacent the end of said structure opposite that at which said disc wheel is attached.

2,379,470
ELECTRIC WELDING APPARATUS
Albert W. Baird, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application December 23, 1943, Serial No. 515,381
7 Claims. (Cl. 219—8)



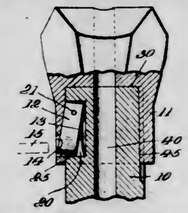
1. Electric welding apparatus including a welding rod guide and contact jaw assembly comprising a tubular member of electrically conducting material having an integral stem at one end provided with a rod entrance passage and an integral collar at the other end provided with a rod exit passage, said tubular member having a medial laterally opening cavity of substantially rectangular cross section, a relatively long stationary rod contact jaw disposed within and fitting against three longitudinal walls of said cavity, means securing the center of said jaw to the bottom wall of said cavity, said jaw being symmetrical and having a concave rod contacting surface and bevelled end surfaces, a relatively long movable rod contacting jaw suspended within said cavity for floating movement toward and away from said stationary jaw, said movable jaw having a flat rod-contacting face and a bevelled surface at the rod entrance end thereof, a flat flexible pigtail conductor connected at one end to said stem above said cavity and connected at the other end to the back of said movable jaw at a point below the center of said movable jaw for supporting the latter in suspension, a strip of insulation disposed over said flat conductor in the area of the center of said movable jaw, arcuate leaf spring means with the central portion thereof bearing against said strip, and an insulating case fitting around said tubular member and covering said cavity so that the opposite end portions of said spring bear against the inner side of the case.

2,379,471
COMBINATION CATALYTIC AND THERMAL CRACKING
Joseph Mason Barron, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 2, 1943, Serial No. 493,204
3 Claims. (Cl. 196—49)



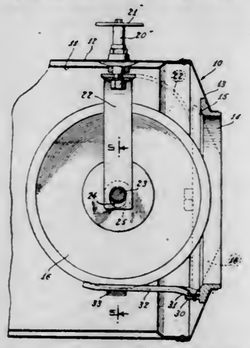
1. In the combination thermal and catalytic cracking of hydrocarbon oils the process that comprises passing hydrocarbon oil through a heating zone wherein it is heated to a cracking temperature and subjected to thermal cracking, introducing the resultant heated products to the lower portion of a vertically disposed reaction chamber wherein separation of vapors from liquid residue takes place, introducing higher boiling hydrocarbon oil to the upper portion of the vertically disposed reaction chamber to flow countercurrently to the upwardly rising vapors therein, maintaining a cracking temperature in said reaction chamber to effect thermal cracking, removing the separated vapors at a cracking temperature, contacting the vapors with a catalyst and subjecting them to catalytic cracking, withdrawing residue from said reaction chamber and subjecting it to coking, subjecting the evolved vapors from the coking operation to a primary dephlegmation, directing the dephlegmated vapors and the catalytically cracked products to a fractionating zone, introducing a residual charging stock to said fractionating zone, withdrawing a resultant mixture of high boiling reflux condensate and unvaporized residual stock, utilizing said mixture as the hydrocarbon oil introduced to the upper portion of the aforesaid reaction chamber, subjecting the vapors from said fractionating zone to further fractionation to separate a reflux condensate from lower boiling products and directing said reflux condensate to the aforesaid heating zone.

2,379,472
SEPARABLE CONNECTION FOR ROCK DRILLS AND LIKE STRUCTURES
Edward J. Bowman, Anaconda, Mont.
Application September 25, 1943, Serial No. 503,804
8 Claims. (Cl. 287—119)



1. A separable drill assembly comprising a stem, a drill bit, a socket portion on the bit for closely receiving the end of the stem, with abutment of the stem against the bottom of the socket in said socket portion, and a locking device for clutching the stem and bit together; said stem having a cavity on its side, said socket portion having a notch located adjacent the cavity when the parts are assembled, said locking device including a block and a spring and being capable of being received wholly within the cavity during assembly and disassembly, the spring being located between the block and the bottom of the cavity and effective to cause a movement of the block so that a part of said block is caused to enter the notch, the block being constructed and arranged relative to said notch so that upon a withdrawing pull along said stem the block acts in compression to move said bit, said socket portion having a hole opposite the block through which external pressure can be exerted on the block to force it into the cavity for disassembly of the parts, and means included in said stem and locking device for preventing separation of the block and spring from the stem while the stem is separated from the socket portion.

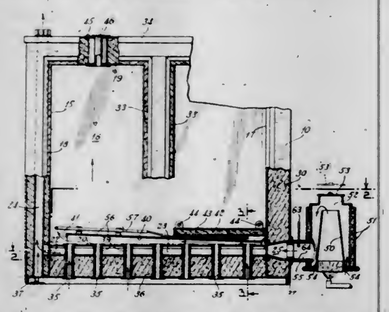
2,379,473
CLOSURE FOR STEAM STERILIZERS
Maurice Bramson, Brooklyn, N. Y.
Application September 28, 1943, Serial No. 504,101
10 Claims. (Cl. 220—36)



1. In a steam sterilizer having a steam tight body and an end wall carrying a ring disposed below the top of the body and laterally of the

side of the body, the ring being in a vertical plane to define an opening and having an inwardly facing conical seat, a closure having a mating conical face and a rim adjacent the conical face of larger diameter than the conical face, and a fixed track extending laterally of the opening along which the rim of the closure may roll when the closure is moved to and from the closed position, the improvement according to which the closure has an inwardly extending central stud, the top of the body carries a vertically rotatable, inwardly protruding shaft mounted to the rear of the center of the ring and carrying an externally accessible operator for turning the shaft, and on its lower end an arm extending from the shaft toward the closure and having its lower end provided with a slot which receives the stud so that the turning of the shaft back and forth will swing the arm back and forth and bring one or the other of the slot walls against the stud and move the closure back and forth with its weight supported by its periphery rolling along the track.

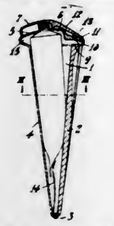
2,379,474
HEATING CABINET, INCUBATOR, AND THE LIKE
Maurice Bramson, Brooklyn, N. Y.
Application November 10, 1943, Serial No. 509,731
10 Claims. (Cl. 237—3)



5. In an incubator or the like, means for defining a chamber, insulation for the chamber, the chamber having a bottom at least a portion of which is formed by a sheet metal duct for the passage of hot air lengthwise of the duct, fresh air tubes extending through the duct and opening above and below the duct, a baffle plate mounted adjacent the top wall of the duct and sloping upwardly away from the warmer end of the duct, the edge of the baffle at its higher end being spaced from the adjacent side of the chamber so that warmed air supplied by the fresh air tubes may rise into the chamber, the lower end of the baffle being covered by an insulating pad which prevents radiation of heat from the warmer end of the baffle.

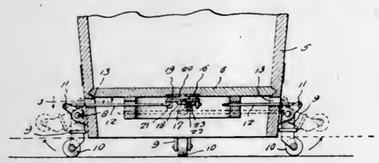
2,379,475
DEVICE FOR EXPELLING THE CONTENTS OF COLLAPSIBLE TUBES
Cornelis Josef Campfens and Hendrik Dalstra, Middelharnis, Netherlands; vested in the Alien Property Custodian
Application March 26, 1940, Serial No. 326,088
In the Netherlands April 21, 1939
8 Claims. (Cl. 222—96)

1. A device for expelling the contents of collapsible tubes comprising a holder for the tube having side walls and a top wall, one of said side walls being hinged to said holder at one end thereof, a spring normally urging said hinged wall outwardly, the top wall of said holder having an opening therein through which the nipple of the tube may extend, a cover for closing the opening of the nipple, said cover being



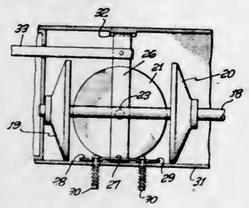
swingably mounted at one of the edges of the top wall of said holder on an axis parallel to the axis about which said hinged side wall swings and means for transmitting the movement of said hinged side wall to said cover.

2,379,476
MOP PAIL
Willie O. Cleveland, Jr., Louisville, Ky.
Application March 17, 1944, Serial No. 526,997
2 Claims. (Cl. 280—44)



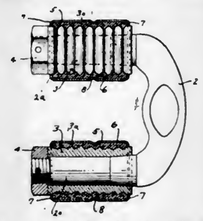
1. An attachment for scrub pails comprising a plurality of roller mountings having rollers journaled thereon, means pivotally supporting the mountings to the side of the pail with the rollers extending below the lower edge of the pail to support the pail above a floor, an arm extending upwardly and outwardly from the upper end of each mounting, rods connected to the arms and extending toward the center of the pail, a rotatable member supported under the pail for movement about a vertical axis and to which the inner ends of the rods are attached, and means operable from a position at the side of the pail for actuating said rotatable member in a manner to raise and lower said rollers.

2,379,477
SELF-BRAKING WINCH DRIVE
Beatty M. Crawford, Santa Ana, Calif.
Application March 13, 1944, Serial No. 526,289
3 Claims. (Cl. 192—4)



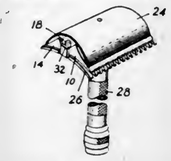
1. A device of the class described, comprising a pair of spaced drive disks, a driven disk between the drive disks adapted to be optionally brought into frictional engagement with either of the drive disks so as to be driven thereby in either direction, braking means also engageable by the driven disk, and means normally urging the driven disk into engagement with the braking means so that when the driven disk is released from engagement with one of the drive disks it will be automatically braked.

2,379,478
BEARING UNIT AND LUBRICATING MATERIAL THEREFOR
Leonard A. Delp, Ann Arbor, Mich.
Application August 3, 1940, Serial No. 350,344
7 Claims. (Cl. 308—242)



1. A bearing material adapted to be compressed between two relatively movable parts of an oscillatable bearing comprising a fabric material impregnated with a lubricant composed substantially of 25 to 40 per cent by weight ricinoleic acid, 20 to 40 per cent by weight castor oil and 30 to 50 per cent by weight calcium ricinoleate.

2,379,479
SAFETY RAZOR
Frank Henry Eve and Albert Edward Clarke, Luton, England
Application May 21, 1943, Serial No. 487,928
In Great Britain July 20, 1942
9 Claims. (Cl. 30—50)



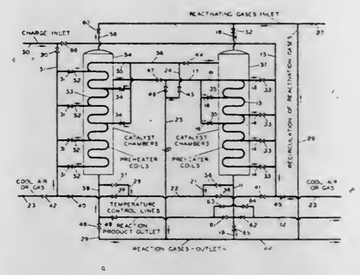
9. A safety razor comprising a guard and a backing member and a blade held between said guard and said backing member, said blade comprising two components of the solid hollow-ground type each having a cutting edge and hinged together at the edges opposite to the cutting edges.

2,379,480
MANUFACTURE OF FOOTWEAR
Robert H. Fesler, Manhasset, N. Y.
Application May 14, 1943, Serial No. 487,003
11 Claims. (Cl. 36—22)



1. A Goodyear welt-type insole of a customary thickness and stiffness such that its entire margin can not readily be bent to constitute a sewing rib, said insole having a marginal sewing rib comprising three associated flaps each integral with the body of the insole, and means uniting the flaps to form the rib.

2,379,481
SYSTEM OF HEAT EXCHANGE AND TEMPERATURE CONTROL
Arch L. Foster, Tulsa, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 23, 1943, Serial No. 480,210
2 Claims. (Cl. 196—52)



1. A method of maintaining at a substantially constant desired temperature a conversion catalyst promoting an endothermic conversion reaction which comprises passing a hydrocarbon charge stock from a multiplicity of points in indirect heat exchange relation with a conversion catalyst undergoing exothermic regeneration in the first of a series of at least two catalyst zones, said exothermic regeneration resulting from passage of an oxygen containing gas through said conversion catalyst, passing the heated charge stock into direct contact with the conversion catalyst in the second of said catalyst zones wherein endothermic conversion occurs, passing hot regeneration effluent gases from said first catalyst zone from a multiplicity of points in indirect heat exchange relation with the hydrocarbon stock undergoing endothermic conversion in said second catalyst zone wherein heat is added to said endothermic conversion reaction, and removing the conversion product from the said second conversion zone.

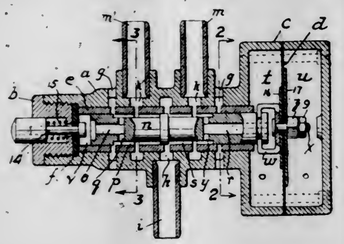
2,379,482
RUBBER COMPOSITIONS
Per K. Frolich, Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application October 18, 1939, Serial No. 299,964
4 Claims. (Cl. 260—36)

1. A composition of matter comprising a plastic-elastic substance of the class consisting of rubber, gutta-percha, balata and a synthetic rubbery high molecular weight conjugated diolefin polymer together with 0.1% to 10% of a petroleum phenol insoluble in aqueous caustic alkali and containing from 9 to 27 carbon atoms and non-phenolic, non-carbonyl oxygen in the molecule.

2,379,483
AUTOMATIC PULSATOR FOR MILKING MACHINES
Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application October 17, 1940, Serial No. 361,539
24 Claims. (Cl. 31—61)

1. An automatic pneumatic pulsator for milking machines comprising a valve chamber, a valve reciprocable therein and a diaphragm connected

with the valve, said pulsator having opposing pressure surfaces a minor area of which is afforded by the valve and a major area of which is afforded by the diaphragm, means operable in each stroke of the pulsator to make connections with sources of high and low pressures adapted to establish comparatively high differential pneu-



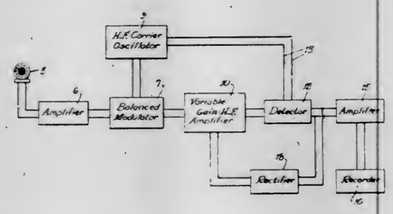
matic pressures on said opposing pressure surfaces and thus prevent immediate reversal of the valve, and a conduit through which, after said differential pressures are established, air is adapted to flow from one side of the diaphragm to the other until the pneumatic pressures on opposing pressure surfaces are balanced and then reversed, thereby effecting the reversal of the pulsator.

2,379,484

VARIABLE GAIN AUDIO AMPLIFIER SYSTEM AND METHOD

Robert L. Haynes, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application September 27, 1943, Serial No. 503,970
8 Claims. (Cl. 179—171)



1. In an electrical current transmission system, the combination of a source of signal currents, a source of high frequency currents, means for modulating said high frequency currents with said signal currents, an amplifier for said modulated currents, a detector of said modulated currents, and means utilizing a portion of the output currents of said detector for varying the gain of said amplifier in accordance with the amplitude of said signal currents.

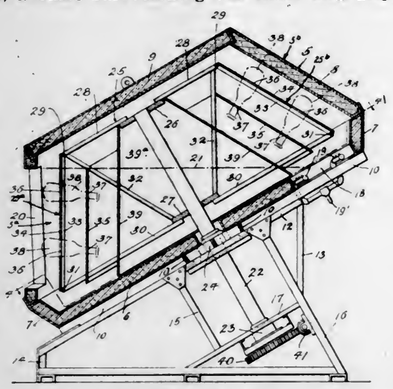
2,379,485

ROTARY OVEN

Carl Herzog, Belleville, N. J.

Application September 16, 1943, Serial No. 502,687
9 Claims. (Cl. 49—47)

1. In a rotary oven, an oven casing having a top and bottom and periphery, a vertically inclined shaft extending into the oven casing, a carrier arranged within the oven casing and mounted upon the shaft, the carrier having means for holding articles to be heated and being open for the passage of heat, means for discharging heated gases directly into the oven casing near its bottom, a baffle surrounding the shaft and disposed



between the shaft and the heat discharging means, and means to rotate the shaft.

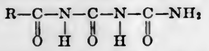
2,379,486

ACIDYL BIURETS

Arthur J. Hill, New Haven, Conn., and William M. Degnan, Bloomington, Ind., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 28, 1941, Serial No. 395,624
5 Claims. (Cl. 260—553)

1. Acidyl biurets of the general formula



in which R represents a radical selected from the group consisting of the branched chain alkyl radicals of at least three carbon atoms and alkyl disubstituted alkyl radicals in which one of the alkyl substituents is unsaturated.

2,379,487

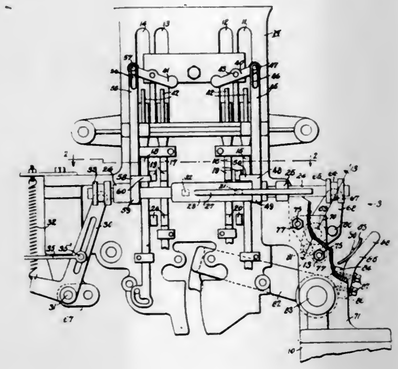
SELECTOR MECHANISM FOR MULTISTACK WEFT REPLENISHING LOOMS

Wilfred C. Howe, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application October 23, 1944, Serial No. 559,937
17 Claims. (Cl. 139—232)

1. In a weft replenishing loom operating with two alternately active shuttles and having a pair of stacks of reserve bobbins for each shuttle and a bobbin releaser for each stack, a releaser selector movable into register with the releasers one at a time, control means acting to move the selector toward registry with releasers of one pair of stacks when the corresponding shuttle is active and acting to move the selector toward registry with the releasers of the other pair of stacks when the other shuttle is active, a stop for each pair of stacks, each stop capable of assuming two positions in one of which said stop cooperates with said control means to effect registry of the selector with one releaser of the associated pair of stacks, said stop when tending to move to the other position thereof while the selector is registered with said one releaser being prevented by said selector from moving to said other position and said stop when in said other position cooperating with said control means to effect registry of the selector with the other releaser of the associated pair of stacks, and means operated

by the loom and effective to move the selector to a position in which said selector is incapable of



preventing each of said stops from moving to said other position thereof.

2,379,488

CENTERING DEVICE FOR ELECTRON GUNS

Stanley J. Koch, Clifton, and Joseph H. Robillard, East Orange, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application October 8, 1943, Serial No. 505,495
1 Claim. (Cl. 250—27.5)



A device of the character described, comprising a flat ring of resilient material provided with a plurality of integral radially extending fingers having their ends extending upwardly and then outwardly and downwardly beyond the edge of said ring and said ring having lugs extending inwardly in radial directions and having holes therethrough.

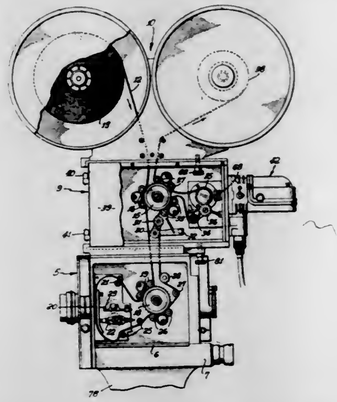
2,379,489

COMBINATION SOUND RECORDER AND MOTION-PICTURE CAMERA

Barton Kreuzer, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application February 11, 1943, Serial No. 475,579
21 Claims. (Cl. 88—16.2)

3. A motion picture camera and sound recorder combination comprising a camera having a film-advancing sprocket therein, a sound recording unit having a sprocket and sound recording drum therein, said last-mentioned sprocket and drum being adapted to be rotated by film pulled by said camera film advancing sprocket, a film magazine adapted to supply said film to said film-pulled sprocket and take-up film therefrom, said sound recording drum supporting said film at a light impression point, and means for guiding film from said film-pulled



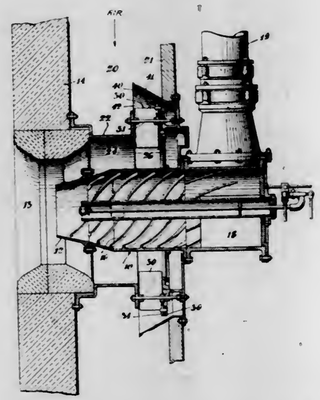
sprocket around said drum and to said film-pulled sprocket.

2,379,490

AIR DISTRIBUTION TO BURNERS

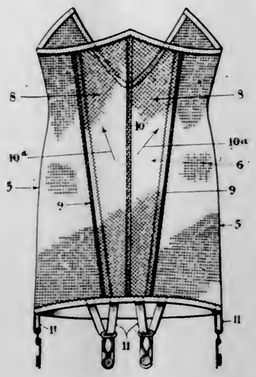
Theodore Kruger, Peoria, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y.

Application February 21, 1942, Serial No. 431,852
3 Claims. (Cl. 110—104)



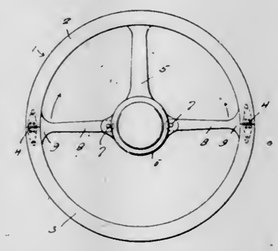
1. In a pulverized fuel burner; a windbox; a fuel injector pipe projecting horizontally through said windbox; a casing enclosing said pipe to form an annular chamber therearound and having a port formed in its wall extending substantially completely around the fuel injector pipe adjacent the outer end wall of said windbox for admitting air to said chamber; a deflecting sleeve supported within said windbox so as to extend completely across and around said port and spaced from said casing near one end of said port to form an annular opening between said sleeve and casing leading to said port for causing the air stream in said windbox approaching said port to abruptly change its direction before entering said port.

2,379,491
FIGURE MOLDING FOUNDATION GARMENT
Carl D. Maldoff, Outremont, Quebec, Canada
Application October 2, 1941, Serial No. 413,334
In Canada September 4, 1941
2 Claims. (Cl. 2—37)



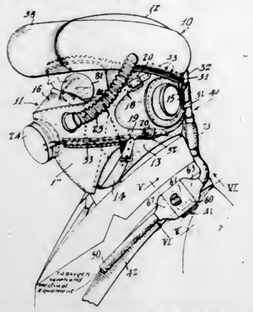
1. A foundation garment comprising back and side sections joined to opposite sides of a front section throughout the vertical extent of the garment, said front section being composed of two vertically extending panels each composed of material stretchable along diagonal lines inclining upwardly and outwardly from a vertical center line of connection between said panels and said panels being non-stretchable along diagonal lines inclined downwardly and outwardly from said center line of connection, whereby to exert an uplifting and flattening pressure on the abdomen of the wearer.

2,379,492
STEERING WHEEL
George R. Micuta, Waterbury, Conn.
Application July 12, 1944, Serial No. 544,482
6 Claims. (Cl. 74—555)



1. A foldable steering wheel comprising a hub, spokes at least one of which is medial and rigidly and supportedly attached to said hub and a diametrically opposed pair of which pivotally mounted at their inner ends on the hub, a rim mounted on said spokes and including hingedly connected stationary and folding half sections, the stationary section being rigidly attached medially to said rigid spoke and the folding section being hingedly attached at its ends to the ends of said stationary section, and means on the swingable spokes for releasably locking the folding rim section in open position.

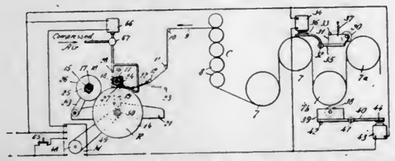
2,379,493
BREATHING MASK
Silas A. Morehouse, Los Angeles, Calif.
Application February 28, 1942, Serial No. 432,726
8 Claims. (Cl. 128—141)



1. A breathing apparatus adapted to be supported on and movable with the head of a person, and comprising: a first means for effecting a breathing connection with a breathing orifice of said person, and a second means defining a chamber of substantial cubic content, cooperating with said first means to supply breathing gas thereto, said second means including skullcap member adapted to rest snugly on the top and sloping side and rear portions of the head, and a bulbous wall joined at its edges to said skullcap member and defining therewith a chamber curved longitudinally about the head in substantially horizontal position with its top approximately level with the top of the head.

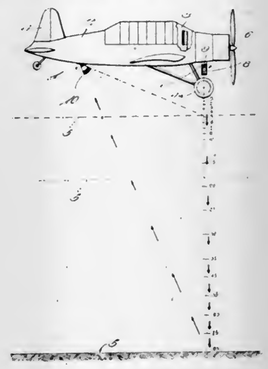
2,379,494
COMPOSITION OF MATTER
Milton Orchin, Pittsburgh, Pa., and Lewis W. Butz, Beltsville, Md., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application May 5, 1944, Serial No. 534,364
4 Claims. (Cl. 260—396)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
1. 2-methoxy-5-methyl-2,7-nephthitadiene-1,4-dione.

2,379,495
APPARATUS FOR THE APPLICATION OF ADHESIVE TO WEBS
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application September 23, 1941, Serial No. 411,960
8 Claims. (Cl. 91—18)



1. In apparatus of the character described, in combination, a web source, a roll winding device receiving a continuously moving web from said source and including means operable to transfer the moving web from a finished roll to a core to start winding a new roll, means adjacent the web running to said winding device for applying a layer of coating material to at least one surface of said web, means for both operating said web transferring means and initiating the operation of said coating applying means and means controlled in accordance with the movement of said web for terminating the operation of said coating applying means after a predetermined length of the web has been coated.

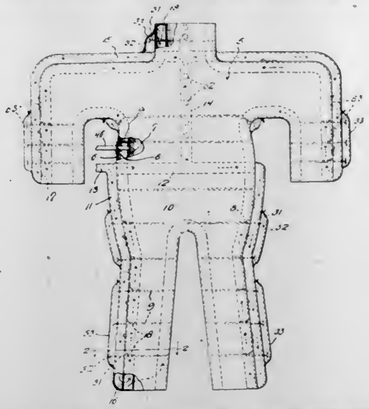
2,379,496
ALTIMETER
Pierre Paul Saunier, Jr., Henrico County, Va.
Application April 6, 1942, Serial No. 437,893
3 Claims. (Cl. 88—1)



1. An altimeter including, in combination with an aircraft, a light beam projector mounted on the aircraft in position for projecting light beams towards the surface of the earth in a plane perpendicular thereto, indicating means in the aircraft including a casing extending vertically and partitioned to form a plurality of compartments disposed one above another and open at the front of the casing, a bulb in each compartment, and a wall of light penetratable material at the front of the casing closing the compartments and having indicia thereon relating to height, a photo-electric cell unit mounted on the aircraft in spaced relation to the light beam projector longitudinally of the aircraft and including a mounting member pivotally mounted for vertical swinging adjustment and a plurality of director tubes arranged thereon in an arcuate path and extending radially therefrom, a photo-electric cell in each of said tubes, and circuits operatively connecting each of said cells with a companion one of said bulbs of the indicating means, there being a relay in each circuit, said director tubes disposing the paths of the photo-electric cells in predetermined diagonally extending planes to intersect the light beams from the light beam projector at predetermined distances beneath the aircraft, and said photo-electric cells being energizable upon interruption of the light beams at points above the intersection of said light beams and said paths by the surface of the earth whereby an accurate and continuous check may be kept on the altitude of the aircraft above the surface of the earth as said aircraft approaches said surface.

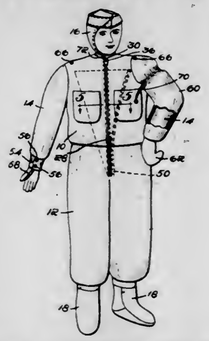
2,379,497
FLYING SUIT
Thomas J. Sellmeyer, Glasgow, Mo.
Application April 17, 1944, Serial No. 531,428
4 Claims. (Cl. 128—1)

1. A flying suit comprising an outer covering of inelastic material, a lining of elastic material, webs spacing the cover material from the lining and forming a plurality of adjoining annular air chambers therein, means for supplying air under



pressure to the air chambers, and valves between each adjoining chamber controlling communication between the air chambers to successively admit air thereto.

2,379,498
BUOYANT UTILITY SUIT
Hubert K. Shaw, Boston, Mass.
Application April 6, 1943, Serial No. 482,038
4 Claims. (Cl. 2—82)

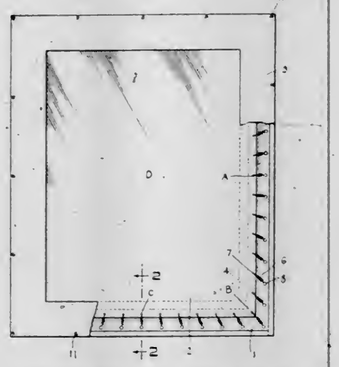


1. A buoyant immersion suit made of lightweight waterproof material and comprising a jacket portion, arm portions, leg portions and unweighted foot portions, all of said portions being of similar material secured together to form a watertight garment and a band of buoyant material secured to the leg portions adjacent the region where the leg portions join said foot portions.

2,379,499
SCREEN
Harry E. Smith, Little Silver, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application December 17, 1941, Serial No. 423,275
1 Claim. (Cl. 88—28.93)

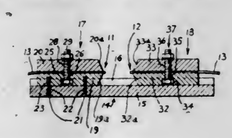
A picture projection screen and mounting therefor, comprising a quadrilateral frame, a plastic sheet of substantially the same configuration mounted in said frame, and means for attaching said plastic sheet to said frame, said means comprising a plurality of springs on each

side of said sheet for exerting pulls of different force on said sheet in a radial direction from the center of said sheet, the springs being adapted



to exert progressively increased pulls from the center of each side of said sheet towards the corners thereof.

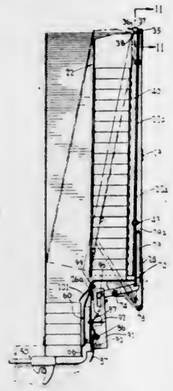
2,379,500
METHOD OF MAKING THERMOPLASTIC JOINTS
Robert N. Steffens, New York, N. Y.
Application March 26, 1942, Serial No. 436,256
4 Claims. (Cl. 154—42)



1. A method of joining together the end edges of two portions of thermoplastic sheet material, consisting in clamping said portions with end edges protruding toward each other, and with said portions in the same plane, moving the clamped portions toward each other, against opposite sides of a heated member to cause the protruding edges to become plastic, and then removing the heating member and moving the plastic edges into mutual abutting contact to cause the plasticized edges to contact and become fused together and joined, and shearing off any material that flows above or below the upper and lower surfaces of said portions of sheet material at the joint, whereby to produce a joint uniform in thickness with said portions.

2,379,501
ARTICLE DISPENSING DEVICE
Louis Steiner, New York, and Peter Settecasi, Brooklyn, N. Y., assignors, by mesne assignments, to Assets Realization Co.
Application December 11, 1941, Serial No. 422,538
7 Claims. (Cl. 312—67)

3. In combination, a chamber, a chute within said chamber, and pivoted means at the upper end of the chute to pivotally connect the chute to said chamber, whereby the lower end of the chute may be swung forwardly within said chamber, resilient means to swing said chute forwardly, releasable means to retain the chute against swinging movement, means adapted to be moved by an article ejected from the lower end of the chamber to release said retaining means, and means controlled by presence of articles in said

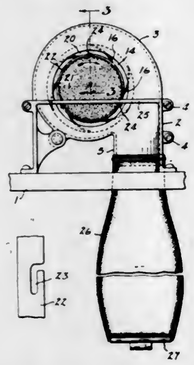


chamber to render said releasing means inoperative.

2,379,502
PROCESS FOR STAINING CONCRETE
Ernest H. Swift, Pasadena, Calif.
No Drawing. Application August 10, 1942, Serial No. 454,296
5 Claims. (Cl. 117—123)

1. The process of staining concrete without a preliminary acid treatment to the surface of the concrete which comprises applying a concentrated solution of the staining chemicals directly to the surface of the concrete, said chemicals containing as anions only those radicals capable of forming soluble calcium salts, and containing sodium acetate and acetic acid to buffer the solution to compensate for variations in alkalinity of the surface of the concrete in order to obtain uniformity of color with a concrete surface which varies in its alkalinity.

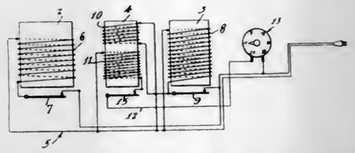
2,379,503
SANDER
Stephen R. Teager, Canton, Ohio
Application October 8, 1943, Serial No. 505,482
1 Claim. (Cl. 51—273)



In a machine of the character described, a supporting table, a blower casing mounted on said table said casing having a tangential outlet, a

front wall provided with a substantially circular opening and a rear wall spaced from the front wall, a shaft extending into said casing concentric with said opening, a drum fixed to said shaft and projecting into said opening, said drum having a front end substantially in the plane of the front face of said casing and a peripheral portion within the opening and forming therewith a narrow annular air inlet slot, fan blades mounted upon the exterior of the drum and spaced inwardly from the front end thereof, a lug projecting from the periphery of said drum, and a sandpaper clamping ring mounted on the periphery of said drum between said blades and the front end of the drum, said ring having a bayonet slot to receive said lug.

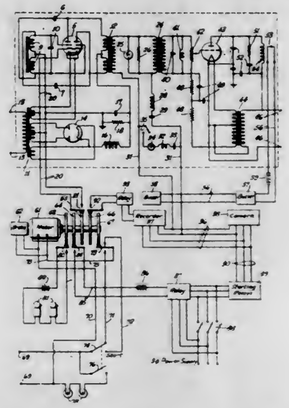
2,379,504
DENTAL HYDROCOLLOID CONDITIONING APPARATUS
Morris J. Thompson, Los Angeles, Calif.
Application August 3, 1942, Serial No. 453,315
2 Claims. (Cl. 219—20)



1. In a heating device adapted for conditioning a dental hydrocolloid, the combination of a box having a plurality of liquid containers, one of said containers having means for heating the liquid therein to an elevated temperature of between 194 and 212° F. for a period of time to rapidly change the hydrocolloid to a fluid condition, and a second container adapted to receive the hydrocolloid from the first container, means for heating the liquid in the second container to maintain the temperature therein sufficient to hold the hydrocolloid at a temperature at which it is freely fluid, and a third container adapted to receive the dental hydrocolloid, and means for heating the liquid in the third container to approximately the lowest temperature at which the hydrocolloid is fluid, a timing means adapted to discontinue the heating of the liquid in the first container after a predetermined period of time sufficient to permit the hydrocolloid to become fluid, and heating means operatively associated with the heating means of the second container for holding the temperature of the liquid within the first container from dropping below the temperature of the liquid in the second container.

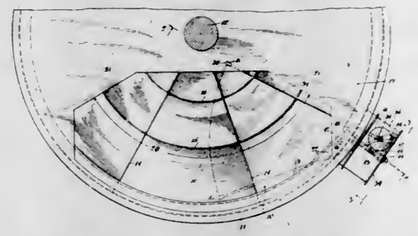
2,379,505
FILM MARKING AND MARK INDICATING SYSTEM
Waldon O. Watson, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 27, 1940, Serial No. 371,982, now Patent No. 2,301,911, dated November 10, 1942. Divided and this application September 12, 1942, Serial No. 458,124
7 Claims. (Cl. 250—27)

1. A system for marking a plurality of motion picture films comprising an oscillator, a thyratron tube, a circuit for interconnecting the output of said oscillator to the input of said thyratron, a plurality of lamps connected to said interconnecting circuit, tuning means in said interconnecting circuit for tuning said circuit to the frequency of the output current of said oscillator, the current through all of said lamps generating an input voltage to said thyratron sufficient to ignite it, and means intermediate said oscillator and said thyratron for reducing the input voltage to



said thyratron below the igniting point when one of said lamps is eliminated, said tuning means preventing said thyratron from being ignited by currents of certain other frequencies introduced into said interconnecting circuit.

2,379,506
ROTOR OPERATED WASHING NOZZLE
William D. Yerrick and John C. Vickland, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Application August 13, 1943, Serial No. 498,498
1 Claim. (Cl. 257—1)

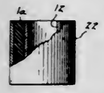


In an air preheater or the like having a housing formed with parallel passages for hot gases and air, a rotor for carrying heat transfer plates into the gas pass to absorb heat and then into the air passage to impart the heat thereto, and a cleaning nozzle mounted for movement transversely of the rotor for directing fluid onto the heat transfer plates carried thereby, a shaft operatively associated with said nozzle, and means operatively connecting said rotor and said shaft for actuating the latter during operation of said rotor so as to move said nozzle transversely of the rotor; means supporting said shaft for axial movement; locking means for holding said shaft against said axial movement; means operative upon movement of said nozzle to a predetermined point in its arcuate path for releasing said locking means; and means adapted on release of said locking means to move said shaft axially to interrupt its operative connection with said rotor for discontinuing the movement of said nozzle.

2,379,507
VEHICLES FOR APPLICATION OF CERAMIC COLORS
Alden J. Deyrup, Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1940, Serial No. 332,731
15 Claims. (Cl. 260—16)

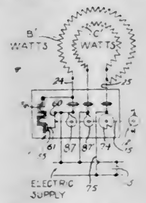
12. A ceramic composition comprising a vitrifiable glaze suspended in a medium comprising ethyl cellulose and a terpene solvent.

2,379,508
TORSIONAL JOINT
Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 3, 1942, Serial No. 453,355
2 Claims. (Cl. 287—85)



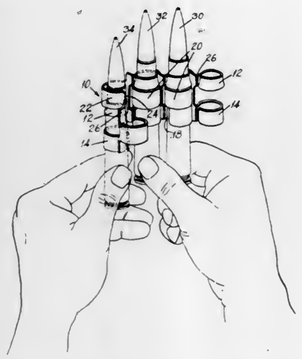
1. A joint having substantially concentric substantially untapered inner and outer elements separated by an intervened annulus of rubber which spaces them apart under substantial radial stress, the strains in said rubber being substantially identical with those obtained when an annular elastic member of substantially round cross section and the same volume is shaped by deforming the inner opening thereof so that the diameter corresponds with the outer diameter of the inner element and by simultaneously deforming the outer diameter thereof so that this diameter corresponds with the inner diameter of the outer element.

2,379,509
APPARATUS FOR HEATING AND COOKING
William B. Elmer, Winchester, Mass.
Application January 12, 1939, Serial No. 250,562
2 Claims. (Cl. 219—20)



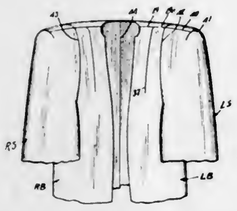
1. In a heating system having a pair of heating resistances and an electrical supply source for said resistances, means for controlling said resistances comprising a thermostatically operated timing switch and a master switch, the latter operating through said thermostatically operated switch in a series of positions to connect one only of said resistances to said supply source and in another position to connect both of said resistances to said supply source, said thermostatically operated switch being rendered ineffective to govern the power supply to said resistances when said master switch is in said other position and rendered effective to control the average power supplied to said one resistance when said master switch is in any one of said series of positions and supply different average powers to said one resistance for each of said series of positions.

2,379,510
DISINTEGRATING CARTRIDGE BELT
John M. Ewart, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 10, 1942, Serial No. 457,852
3 Claims. (Cl. 89—35)



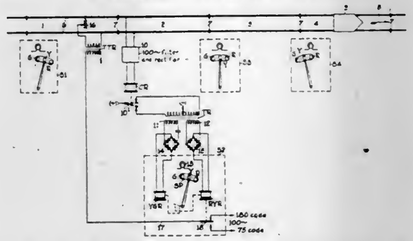
3. A cartridge belt link of resilient material having a central bridge portion, a pair of spaced apart, coaxial, closed rings extending from one side thereof, and a single ring extending from the opposite side thereof, the circumference of the last-named ring being broken only immediately adjacent to said bridge portion by a narrow tapered slot only the wide end of which is sufficiently wide to permit the ring to be started axially over the neck of one of the closed rings of the pair on an adjacent link containing a cartridge, the resiliency of the single ring being sufficient to permit it to be pushed the remainder of the distance thereover and to snap in between the two rings of the pair, and the narrow end of the slot being sufficiently narrow to lock the slotted ring against removal in the reverse direction thereafter.

2,379,511
COAT GARMENT
Jack Federman, Brooklyn, N. Y.
Application December 5, 1944, Serial No. 566,660
3 Claims. (Cl. 2—93)



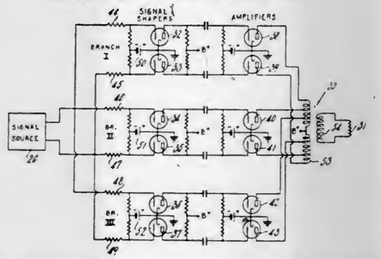
1. A coat garment which comprises a body and a pair of sleeves connected thereto, each of said sleeves having a pair of inwardly inclined extensions projecting from the top edge thereof, the said extensions being connected to each other adjacent their respective top edges, each of said sleeves having a convex top edge portion located intermediate said extensions, said convex top edge portion being connected to said extensions to form the shoulders of the garment.

2,379,512
RAILWAY SIGNALING SYSTEM
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original application February 14, 1941, Serial No. 378,966. Divided and this application November 4, 1942, Serial No. 464,520
2 Claims. (Cl. 246—34)



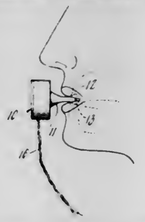
1. In a coded railway signaling system, in combination, a section of railway track, a light signal at the entrance end of said section, said signal being of a type which has a member biased to a first position in which it conditions the signal to provide one indication, electro-responsive means associated with said member and effective when energized to cause movement of said member, a code following relay, means governed by traffic conditions in said section for at times supplying to said relay energy of one code frequency and at other times supplying to said relay energy of another code frequency, a decoding transformer, means responsive to operation of said relay by energy of either code frequency for varying energization of the primary winding of said transformer, means effective when said relay is responding to energy of the first code frequency to supply from the decoding transformer to said electro-responsive means energy effective to cause movement of said member to a position in which it conditions the signal to provide a second indication, and means effective when said relay is responding to energy of the other code frequency to supply from the decoding transformer to said electro-responsive means energy effective to cause movement of said member to a position in which it conditions the signal to provide a third indication.

2,379,513
ELECTRONIC AMPLIFICATION
Charles B. Fisher, Washington, D. C.
Application June 10, 1942, Serial No. 446,436
10 Claims. (Cl. 179—171)



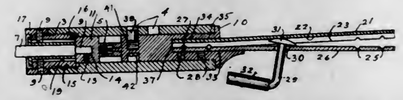
1. An amplifying system comprising a plurality of amplifiers, means connecting the input of each of said amplifiers to a signal source, said means having elements for predetermining the magnitude levels of the signal impressed upon each amplifier, a translating unit connecting the output of each amplifier to a load circut for combining the amplified signal portions into the original signal wave form, said unit comprising bridge circuits arranged to effect substantially zero coupling between the outputs of the respective branches while effecting substantial coupling between each amplifier and the load circuit.

2,379,514
MICROPHONE
Charles B. Fisher, Washington, D. C.
Application September 30, 1942, Serial No. 460,229
4 Claims. (Cl. 179—187)



1. A microphone of the character described comprising a casing containing a sound translating microphone element, and a stem extending from an opening in said casing, said stem having a first through channel that communicates with the sound sensitive portion of said microphone element, the end tip portion of said stem being adapted to fit into one's mouth and held gripped between the teeth, and said stem having a second channel in the end tip portion thereof extending transversely of and intersecting with said first channel.

2,379,515
ELECTRODE HOLDER
Michael Gallo, Baltimore, Md.
Application June 5, 1943, Serial No. 489,729
1 Claim. (Cl. 219—8)



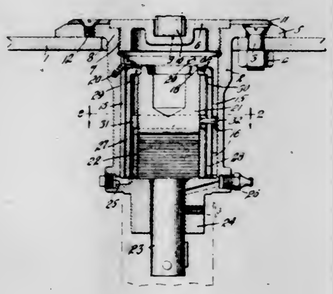
An electrode holder for welding purposes, comprising in combination, a holder handle having passages therein, a conducting jaw unit insertable within one of the passages and provided with a passage therein for the reception of jaws and for attachment of an electrical circuit thereto, said jaw unit having a front kick plate mounted thereon to butt against and cover the front of the said handle and extension lip means for reinforcing the support of the jaws, a pair of jaw members insertable in the said jaw unit and adapted to be securely hold therein, one of said jaw members having an arcuate wall with its edges adapted to contact against the adjacent surface of the other jaw member and bridge over the same, slots being provided in the portions of the said members adjacent to each other for holding electrodes clamped therein at the portions extending from the said handle, and for holding locking pin pieces and aligning the members in predetermined relation to one another, and an L-shaped lever extending into the space between the said jaw members having a head conforming with the said arcuate wall in one position and permitting the members to be in close contact with each other and in another position with its edges pressing against the internal surfaces of the jaws and separating same against the

resilient action of the portion outside of the holder handle for the removal or insertion of the electrodes therein, said lever being relatively short so as not to extend over the handle to interfere with the operation thereof.

2,379,516
TREATMENT OF WELLS
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 30, 1942, Serial No. 463,913
6 Claims. (Cl. 166—26)

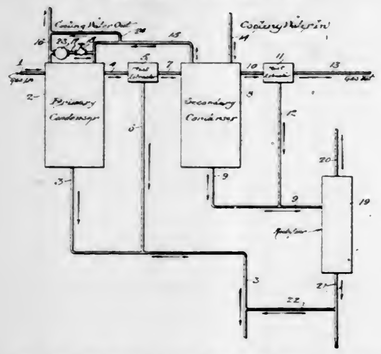
1. The method of treating an oil well which tends to produce both oil and water to reduce the amount of water flowing into said well, which comprises placing an oil slurry of a finely-divided, oil-wettable, water-repellent, material opposite a formation surrounding the well bore, and, while maintaining said slurry in place, subjecting said slurry to a pressure of the order of 3000 pounds per square inch and above at the surface to force the slurry into the formation and thereby reduce the flow of water while permitting the flow of oil into the well.

2,379,517
UNIVERSAL INDICATOR FOR REMOTE CONTROL DECK SOCKETS
Edward L. Hadden, Plainfield, N. J., assignor to Gibbs & Cox, Inc., New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,358
11 Claims. (Cl. 116—125)



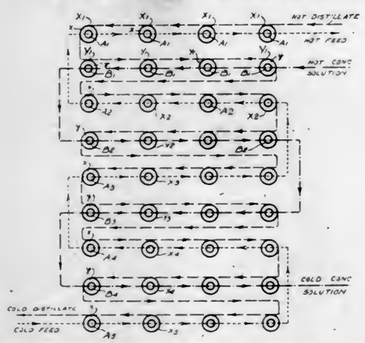
1. An adjustable indicator for remote control of valves; comprising, a housing, a shouldered spindle in said housing, threads on said spindle, a stationary member mounted in a plane at right angles to the axis of the spindle having indicia thereon cooperating with an indicator, a sleeve integral with said stationary member mounted in said housing, an oscillatory sleeve nested in the stationary sleeve, there being registering slots in said sleeves, a flange at the top of the oscillatory sleeve which rests on the shoulder of the spindle, the frictional engagement between said flange and shoulder serving to cause the oscillatory sleeve to rotate with the spindle, said flange having an indicator at its top adapted to register with said indicia, a longitudinally and rotatably movable ring mounted on the threads on said spindle, and means on said ring engaging the slots in both sleeves, said means being actuated by the movement of the spindle to limit oscillation of said oscillatory sleeve.

2,379,518
RECOVERY OF VALUABLE HYDROCARBONS
Edwin L. Hall, Philadelphia, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 26, 1939, Serial No. 301,330
8 Claims. (Cl. 202—69)



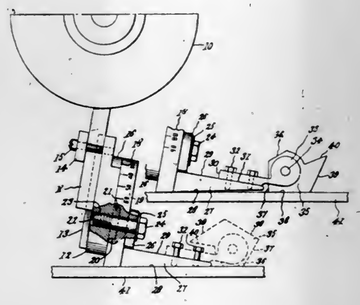
1. In a method for separating condensible resin-forming unsaturated hydrocarbons from manufactured gas containing aromatic resin-forming hydrocarbon material including styrene and also containing C_5 diene hydrocarbon material, wherein said gas is passed through at least one condensing zone, the improvement which comprises maintaining said zone at an exit-gas temperature sufficiently low to condense styrene from said gas but insufficiently low to condense a substantial proportion of said C_5 diene hydrocarbon material therefrom, whereby a condensate is separated which contains a relatively substantial amount of aromatic resin-forming unsaturated hydrocarbon material including styrene but a relatively negligible amount of C_5 diene hydrocarbon material, thereby substantially avoiding the formation of a condensate mixture containing readily polymerizable C_5 constituents difficult when polymerized to separate from styrene.

2,379,519
DISTILLATION HEAT EXCHANGE METHOD AND APPARATUS
Walter T. Hall, Winchester, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application December 7, 1943, Serial No. 513,318
11 Claims. (Cl. 202—61)



1. The combination with distillation apparatus including a vaporization chamber, feed means for introducing fresh solution to be distilled into said vaporization chamber, condenser means arranged to condense as distillate vapor evolved from solution in said chamber, means for directing effluent distillate from said condenser means, and means for withdrawing effluent concentrated solution from said vaporization chamber, of preheating means for preheating fresh solution fed into said vaporization chamber by said feed means, said preheating means comprising means for directing said effluent distillate from said condenser means in out-of-contact heat exchange relation with incoming feed solution in a plurality of first zones of heat exchange between said incoming feed solution and said effluent distillate, and means for directing effluent concentrated solution withdrawn from the vaporization chamber in out-of-contact heat exchange relation with said effluent distillate in a plurality of second zones of heat exchange between said distillate and said concentrated solution, said first and second zones being arranged in series relation for directing said effluent distillate successively in out-of-contact heat exchange relation with said incoming feed solution and in out-of-contact heat exchange relation with said effluent concentrated solution.

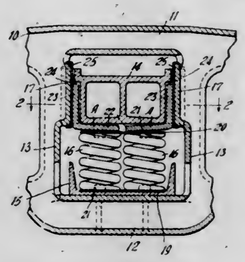
2,379,520
ADJUSTABLE TOOLHOLDER
Frederick A. Hartung, Salem, Mass.
Application March 16, 1944, Serial No. 526,766
3 Claims. (Cl. 51—220)



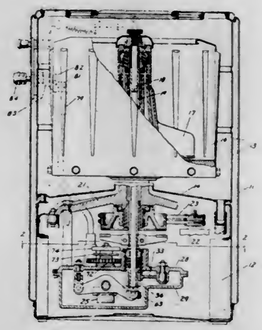
2. An adjustable tool holder comprising a tool holder member, a base support having mutually inclined lower and upper surfaces, a shank lying along said upper inclined surface of the base member, bearings on the shank, a shaft journalled in said bearings, and a block rotatable on said shaft and having stepped surfaces to tilt said base support to various angles.

2,379,521
RAILWAY CAR TRUCK
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 19, 1943, Serial No. 487,544
5 Claims. (Cl. 105—197)

1. In a railway car truck including a truck side frame having spaced bolster guides, the combination with a vertically movable bolster having a horizontally disposed underneath surface; of a cluster of springs supporting said bolster; and rocking friction elements movable with the bolster, said friction elements having friction plate portions interposed between the bolster and bolster guides and slidably engaging the bolster guides, said elements having base portions having engagement with and fulcrumed directly on said underneath surface of the bolster, at opposite sides of the latter, and acted on by the springs to rock said plate portions against the guides.



2,379,522
OPERATING AND TIMING DEVICE FOR LAUNDERING MACHINES AND THE LIKE
Charles H. Hays, Jr., Northeast, Pa., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y., a corporation of New York
Original application December 4, 1939, Serial No. 307,397. Divided and this application June 8, 1943, Serial No. 490,058
6 Claims. (Cl. 192—139)

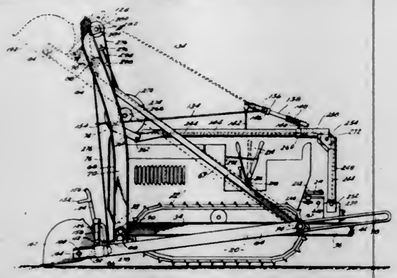


1. A drive mechanism comprising a reduction ratchet wheel group, a drive member engageable with and operable to rotate each of the wheels of said group, cam means directly associated and rotatable with one of the wheels of said group, means providing a predetermined sequence of engagement and operation of said drive member with each of the wheels of said group, and means carried by the wheel associated with said cam means and operable to by-pass the reduction drive of a part of said group and render said cam means directly responsive to said drive member.

2,379,523
LOADING DEVICE
Albert R. Henry, Salina, Kans.
Application June 21, 1943, Serial No. 491,717
12 Claims. (Cl. 214—139)

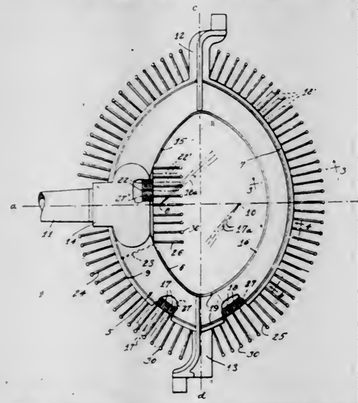
1. A loading attachment adapted to be mounted on and operated by a tractor, comprising a

closed frame adapted to encompass a power tractor and to be removably attached thereto, vertically disposed guides fixedly secured to said frame, a boom shiftably mounted adjacent its



forward end in said guides and slidably mounted at its rear end on pins carried by said frame, means for elevating said boom along said guides as it slides along said pins.

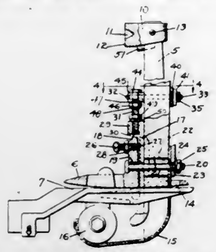
2,379,524
GAS BURNER
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application November 22, 1940, Serial No. 366,517
13 Claims. (Cl. 158—99)



1. A gas burner comprising a tubular body having an arcuate wall and ports provided in said wall in equally laterally spaced relation, the ports being on radial lines from the center of the arc of said wall so that all adjacent ports are in divergent relation on small included angles, and elongated slender radiant members projecting from said wall on radial lines from the center of said arc so that all adjacent radiant members are in divergent relation on small included angles, each of said radiant members being located approximately midway between a pair of adjacent ports.

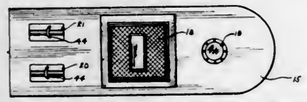
2,379,525
PICKER STICK SUPPORT
Harold Hoeber, South Dartmouth, Mass.
Application January 16, 1942, Serial No. 427,041
7 Claims. (Cl. 139—150)

1. A support for a picker stick comprising a means having an opening therein to receive said picker stick, an element in said opening between said means and said picker stick, a second element, said second element being secured to said picker stick, and an adjustable connection between said elements whereby the position of said



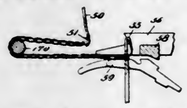
second element and said picker stick can be adjusted vertically relatively to said first element.

2,379,526
SEA SCOOTER
Frank J. Horton, Detroit, Mich.
Application September 4, 1944, Serial No. 552,699
6 Claims. (Cl. 9—18)



1. A device of the class described, comprising: a supporting body having a pair of openings formed therethrough adjacent one end; a pivotally mounted, rocking beam on the bottom of said body; a pair of rods each pivotally connected at one end to the outer end of said beam and projected slidably across said openings; a foot-engaging member carried by each of said rods for effecting a rocking of said beam; a supporting arm fixedly mounted on said beam and projecting outwardly therefrom; and a propelling paddle swingably mounted on said supporting arm and extending outwardly therefrom.

2,379,527
KNITTING MACHINE
Kenneth Howie and Charles C. Krieble, Norristown, Pa., assignors to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application October 18, 1941, Serial No. 415,654
44 Claims. (Cl. 66—96)

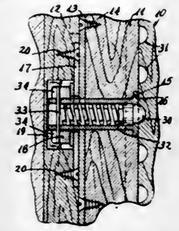


11. The method of turning the welt of a fabric being knit upon a full fashion knitting machine which comprises holding loops of an initial course of the fabric upon points as the fabric is being knit, bringing the fabric against the ends of the points while retaining the first course of the fabric upon the points, and piercing the points through the fabric to thereby cause a second course of the fabric to be upon the points, and then transferring to the needles from the points both courses of fabric which are upon the points.

2,379,528
REVERSIBLE SASH WINDOW
Charles Kelliher, New York, N. Y., assignor of forty per cent to Edward R. Hosten, New York, N. Y.
Application October 15, 1943, Serial No. 506,367
5 Claims. (Cl. 20—49)

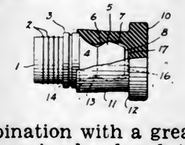
1. In combination with a window frame, a pair of side strips slidably mounted on the sides

of said frame, a tube mounted through each of said strips and having an outer flange, a window sash for said window frame, sash strips pivotally mounted on said tubes and attached to the sides of said window sash, fastening means on said tubes for holding said sash strips from com-



ing off, weather strips mounted on said side strips and cooperative with said sash, and catches for latching said sash and said pair of side strips together as a unit, and plunger catches mounted in and projecting from said tubes and engageable with keeper openings on said window frame.

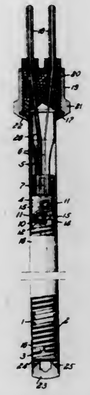
2,379,529
CAP FOR GREASE FITTINGS
Earl M. Kennedy, Cleveland, Ohio
Application February 17, 1944, Serial No. 522,749
2 Claims. (Cl. 138—89)



1. The combination with a grease fitting having a nozzle engaging head and a restricted neck portion, of a protector for the fitting comprising a cap composed of resilient rubberlike material and having a tubular head receiving socket portion and a relatively thick buffer head closing the outer end of said tubular portion and providing an annular shoulder at the outer end of said cap, the tubular wall of said socket portion having a thickened portion intermediate its ends to provide a gripping portion of an internal diameter less than the diameter of the head of the fitting, said thickened portion having an interior face convex in axial section and flaring to the outer end of said socket portion, the inner portion of said socket recess being of a diameter and depth greater than the outer end portion of said fitting, and the portion of the tubular wall adjacent the head being adapted to yield slightly under the pressure applied axially to force the cap onto a fitting and to spring back to normal shape upon release of such pressure to hold the cap out of contact with the outer end of said fitting.

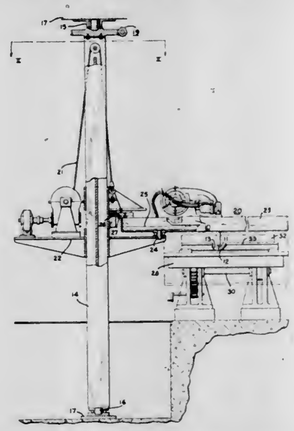
2,379,530
RESISTANCE ELEMENT
Karl M. Lederer, Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application September 30, 1941, Serial No. 413,031
15 Claims. (Cl. 201—67)

1. In a resistor bulb, a protective metal shell member closed at its inner end, a resistance winding within said shell member, and means hermetically sealing said winding within said shell member; said means comprising a coupling tube member telescoped into and snugly fitting the outer portion of said shell member, means hermetically sealing the junction between said members, lead-in wires extending through said tube member and



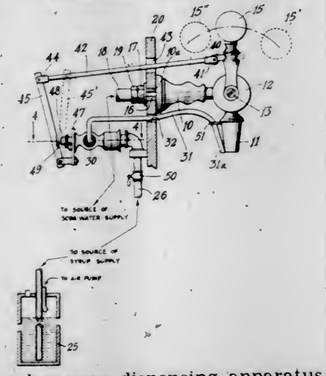
connected to said resistance winding, and means anchoring said lead-in wires within and hermetically sealing off the interior of said tube member.

2,379,531
WELDING APPARATUS
John Lippart, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1943, Serial No. 503,929
2 Claims. (Cl. 113—59)



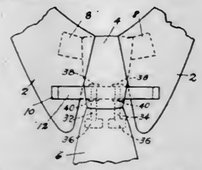
1. In apparatus for supporting a traversable welding unit, a vertical column, a support guided for vertical movement by the column, a cantilever arm carried by the support and pivotally connected to the latter about an axis which is vertical and parallel to the column axis, said cantilever arm being formed with a guideway along which the welding unit is traversed in following a desired path of welding, gearing connecting the support and the arm and operative to cause the latter to move relative to the support about the axis of said pivotal connection, said gearing including a manually-operable driving gear carried by the support, means for raising and lowering the support along the column, and means providing for adjustment of the column about its vertical axis.

2,379,532
BEVERAGE DISPENSING DEVICE
Charles William Lloyd, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Ginger Cola Dispenser Inc., Brooklyn, N. Y.
Application December 11, 1942, Serial No. 468,722
4 Claims. (Cl. 225—26)



1. In a beverage dispensing apparatus of the class described, the combination of a source of syrup supply, a source of soda water supply, a dispensing faucet valve for controlling the flow of soda water directly from its source, into a tumbler, and a second valve independent of said faucet valve for controlling the flow of syrup directly from its source into said tumbler, pressure means for causing the flow of said syrup from its source normally, said second valve comprising means for maintaining the speed of flow of the said syrup therethrough substantially constant despite variations in the said pressure means.

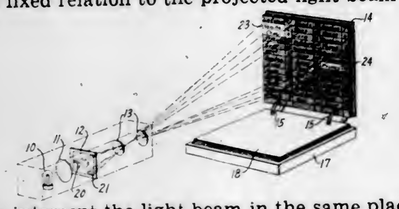
2,379,533
NECKTIE AND COLLAR CLASP
Jay Hershey Longenecker, Richmond, Va.
Application October 3, 1944, Serial No. 556,946
6 Claims. (Cl. 24—81)



1. In combination with a necktie: means for supporting the tie upon the wings of a collar; the said means comprising a front bar secured to the back of the tie; a spring-bar secured centrally to the back of the front bar, its end portions sprung against the front bar, and each end portion adapted to grip a collar wing against the said front bar; and key means having a cam-shaped cross-section located between the front bar and the spring-bar adjacent the center thereof, and adapted when turned to spring the ends of the spring-bar away from the front bar to allow a collar wing to pass between them.

2,379,534
OPTICAL WORK AREA LOCATOR
Gordon A. Lowden, Miamisburg, Ohio
Application April 20, 1943, Serial No. 483,746
2 Claims. (Cl. 88—24)

1. In a spotlight device to aid visual examination of one or more out of a plurality of work fields on any of a plurality of similar records being examined, the combination of a plurality of like records each having a plurality of work fields defined thereon, each record having the fields arranged in the same conformation; a light beam projector including means for holding a light mask for controlling the beam; a record holder cooperable with each record held thereby to hold it in fixed relation to the projected light beam so

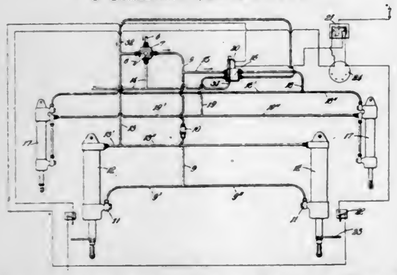


as to intercept the light beam in the same place; and a light mask having selectively formed thereon light-transmitting fields and light-blocking fields correlated to the work fields on the records, said mask, when placed in the mask-holding means, permitting the light beam to fall only on those fields of a record held in the record holder that correspond to the light-transmitting fields of the mask.

2,379,535
WETTING AND EMULSIFYING AGENTS
Kathryn L. Lynch and Herbert J. West, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 31, 1941, Serial No. 425,230
2 Claims. (Cl. 260—480)

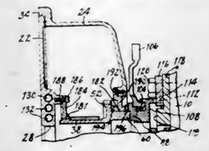
1. Dioctyl N-(beta-sodium sulfo ethyl) aspartate.

2,379,536
FLUID ACTUATED CONTROL SYSTEM
Donald MacKenzie, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application June 18, 1941, Serial No. 398,674
In Great Britain July 3, 1940
6 Claims. (Cl. 60—97)



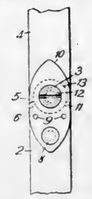
3. Valve mechanism for a double-acting fluid jack, comprising a valve body having therein a supply connection communicating with a source of fluid under pressure, a connection to the jack for flow of fluid thereto, a jack duct in said valve body between said connections, a second connection to the jack for flow of fluid therefrom, and a fluid discharge connection, a non-return valve between said second jack connection and said discharge connection, normally urged to its seat by pressure thereon of fluid entering said valve body from said second jack connection, a piston movable in a piston chamber formed in said valve body, operable to engage said non-return valve for raising it from its seat against the pressure of fluid in said second jack connection, said valve body having a passage independent of said jack duct between the piston chamber and said fluid supply connection for actuation of said piston to open said non-return valve by pressure of fluid thereon, and solenoid operated valve means controlling communication between said supply connection and the piston chamber to effect valve opening movement of the piston only when said solenoid is energized.

2,379,537
AUTOMATIC REGULATOR
Charles S. J. MacNeil, John Fenimore Haines, Thomas Bernard Martin, and Kenneth L. Berninger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 26, 1942, Serial No. 456,234
7 Claims. (Cl. 170—163)



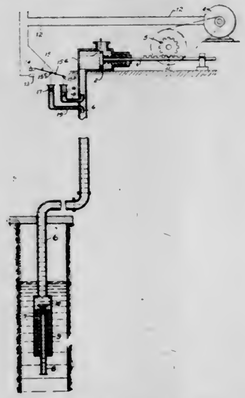
1. A propeller control mechanism of the character described, comprising in combination, a propeller hub rotatable with respect to a fixed support, a housing rotatable with said hub, a relatively stationary member projecting into said housing, means for establishing a fluid seal between the housing and said stationary member providing a reservoir within said housing for receiving a quantity of fluid pressure medium, said seal means comprising a journal bearing for supporting the stationary member, and a plane surface bearing preventing relative axial movement between the stationary member and housing, means restraining the stationary member against rotation with respect to a fixed support but permitting its geometric center to describe said circular path about the axis of hub rotation, whereby the fluid seal between the housing and stationary member is maintained during rotation of the hub though the axes of rotation for the hub and housing are noncoincident.

2,379,538
JOINT FOR LEG SUPPORTS AND ARTIFICIAL LIMBS IN GENERAL
Max Meierhofer, Erlenbach, Zurich, Switzerland
Application December 6, 1943, Serial No. 513,110
In Switzerland September 9, 1942
1 Claim. (Cl. 287—101)



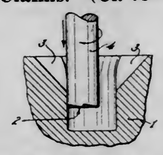
In an artificial limb joint connection, two joint parts arranged in overlap relation at their connection portions, pivoting means fixedly secured to one of said joint portions, the other joint portion having an opening through which said pivoting means extends, a lubricating bushing extending around said pivoting means within the opening of the said other joint portion, a spacer plate fixedly secured to the first joint portion adjacent the end of the other joint portion, said spacer plate and the connection portion of said other joint portion having abutment means facing in both directions of turning around said pivot for limiting the movement of the joint, and a cover plate secured on said spacing plate and extending over the intermovable portions of the spacing plate and adjacent connection portion of the other joint member to prevent entanglement of garments or the like in the joint.

2,379,539
PUMPING APPARATUS
Jean Mercier, New York, N. Y.
Application April 1, 1942, Serial No. 437,123
In France April 3, 1941
5 Claims. (Cl. 103—75)



1. A pumping apparatus which comprises, in combination, a conduit adapted to contain a column of liquid, yielding suspension means for this column of liquid carried by the lower end of said conduit, whereby said coulmn can oscillate in said conduit, motor means for imparting impulses to this column of liquid and pilot means responsive to the direction of flow of liquid through said conduit for controlling said motor so as to sustain the oscillation of liquid therein, a check valve at the lower end of said conduit for the inflow of liquid thereinto and discharge means at the top of said conduit.

2,379,540
APPARATUS FOR MAKING METAL ARTICLES FROM METAL POWDER
Albert Wood Morris, Springfield, Mass.
Original application May 25, 1942, Serial No. 444,461. Divided and this application December 28, 1942, Serial No. 470,332
3 Claims. (Cl. 78—0.5)



1. A hammer head or ram having a striking face of generally toothed form in which the

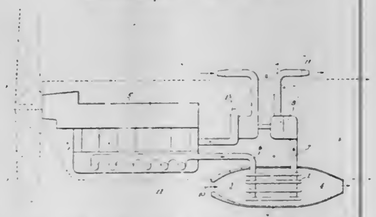
ridges of the teeth may hit powdered metal and the sloping faces of the teeth may wipe the powder with a metal working operation when the powder is hit, means with a die cavity to hold the powder for hitting with the hammer, said means having a "flash-like" clearance with respect to the hammer head as it enters the cavity to hit the powder and power means to work said hammer in the way of a forging hammer, with means to twist said hammer about an axis coincident with its line of application to the powder whereby the teeth on the hammer will wipe the face of the powder with great power simultaneously with each blow, the direction of said rotation being such as to apply the sloping faces of the teeth to the powder for wiping down operations to work the metal.

2,379,541

FEED OF EXHAUST GASES TO TURBOSUPERCHARGERS

André Paul Eugène Planiol, Huntington, N. Y.

Application October 9, 1941, Serial No. 414,328
In France February 10, 1941
2 Claims. (Cl. 60—6)



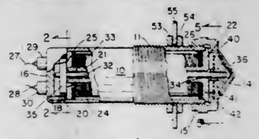
1. The combination in an airplane having an engine and an exhaust turbine operated by the exhaust gases thereof, of a heat exchanger inserted between the engine and the turbine for passage of the exhaust gases therethrough, and an open ended divergent-convergent enclosure containing said exchanger and positioned for passage of air therethrough in the direction of flight of the plane, said exchanger being so positioned within said enclosure as to occasion but slight loss in pressure of the air in passing from the divergent to the convergent portion of the enclosure, whereby the exhaust gases are cooled prior to introduction into the turbine and the air stream is heated by the gases and the increased kinetic energy of the air stream gives a propulsion effect to the plane.

2,379,542

INDICATING SIGNAL

Henry F. Rempt, Van Nuys, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application June 3, 1943, Serial No. 489,575
4 Claims. (Cl. 177—329)



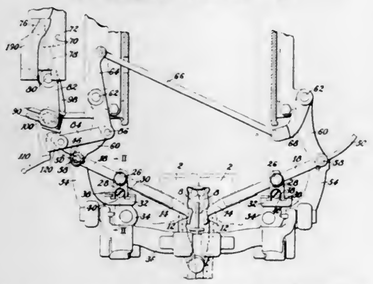
4. A signal device comprising a housing, an electromagnet in said housing, an armature in said housing, means for applying a restoring force to said armature, said armature being adapted to be moved between limits respectively in response to energization of said electromagnet and the restoring force of said means, a convex transparent cover having alternate opaque and transparent zones attached to and extending outward from the forward end of said housing, a convex fluorescent signal surface having alternate fluorescent and non-fluorescent zones and extending into the space immediately back of said cover, said fluorescent zones on said signal surface being adapted to be rotated between exposed and hidden positions back of said opaque and transparent zones on said cover in response to said movement of said armature.

2,379,543

LASTING MACHINE

William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 23, 1943, Serial No. 476,828
In Great Britain February 28, 1942
25 Claims. (Cl. 12—14)



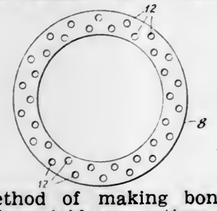
1. In a lasting machine, the combination with wipers movable to wipe the margin of the toe-end portion of an upper inwardly over an insole on a last, of a retarder for clamping the margin of the upper on said wipers around the end and along portions of the sides of the toe as it is thus wiped inwardly by the wipers, said retarder being movable lengthwise of the shoe outwardly over the wipers in the course of the wiping operation, additional retarders arranged to clamp the margin of the upper on the wipers at the sides of the toe beyond said first-named retarder, and means for controlling said additional retarders independently of the first-named retarder.

2,379,544

METHOD OF MAKING AN ABRASIVE ARTICLE

Arthur G. Scutt, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application June 24, 1943, Serial No. 492,057
6 Claims. (Cl. 51—209)



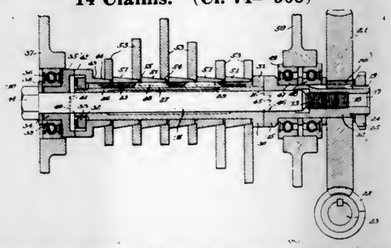
1. The method of making bonded abrasive articles having rigid supporting elements adhesively attached thereto, which comprises perforating a layer of resilient tie bond material, inserting a layer of said perforated tie bond material between the surfaces of the abrading element and the supporting element to be united, and applying heat and pressure to mature the tie bond layer and unite the supporting element to the abrading element by means of the intermediate tie bond layer.

2,379,545

CAM ASSEMBLY

Frederick G. Silva, Rochester, and William S. Davenport, deceased, late of Rochester, N. Y., by Edith E. Davenport, executrix, Rochester, N. Y., assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York

Original application March 31, 1941, Serial No. 386,130. Divided and this application November 22, 1943, Serial No. 511,300
14 Claims. (Cl. 74—568)



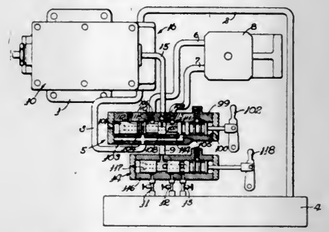
1. A cam assembly comprising a support, a plurality of cams adjustably mounted on said support, a rotatable member, a rotary shaft detachably secured to said member and on which said support is detachably mounted, said shaft being detachable from said member and said support from said shaft for adjusting said cams on said support, spaced bearings for said member and shaft, means for rotating said member, and driving connections from said member to said support and shaft for rotating said shaft, support and cams.

2,379,546

HYDRAULIC TRANSMISSION

Ira J. Snader and Max A. Mathys, Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Original application June 9, 1937, Serial No. 147,178, now Patent No. 2,299,234, dated October 20, 1942. Divided and this application July 31, 1940, Serial No. 348,905
8 Claims. (Cl. 60—53)



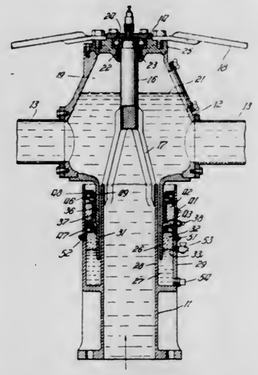
4. A hydraulic operating circuit comprising, in combination, a pressure supply line, an exhaust line, a hydraulic motor adapted to receive fluid from said supply line and to discharge spent fluid to said exhaust line, adjustable flow restriction means in said exhaust line for building up a back pressure therein, and a variable delivery pump discharging to said pressure supply line, said pump including means for automatically controlling said pump delivery in response to said back pressure to maintain said pressure constant under all load conditions and for all adjustments of said restriction means.

2,379,547

FLOATING GREASE SEAL

John B. Sperry, Aurora, Ill., assignor to The American Well Works, a corporation of Illinois

Application June 13, 1942, Serial No. 446,950
10 Claims. (Cl. 285—97.9)



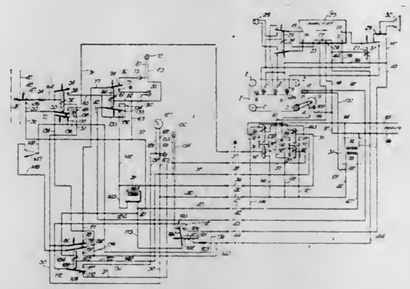
1. A rotary seal between first and second conduit members, one of which rotates with respect to the other, including an annular well formed by the first member around the passage therethrough and open at its top, a skirt carried by the second member and extending into said well, a pool of oil outside of said skirt within said well and floating on water at the bottom of the well, and a mechanical sealing ring adapted to retain said oil within the well against the upward hydrostatic pressure exerted thereon by the water as water is supplied to the rotary member through the other member.

2,379,548

COIN-OPERATED VOICE RECORDING MACHINE

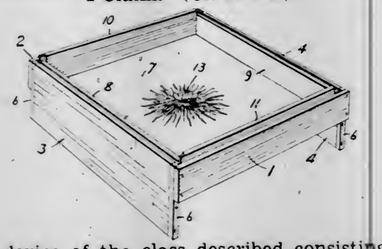
Edmund M. Squire, Babylon, N. Y.

Application March 9, 1942, Serial No. 433,911
7 Claims. (Cl. 179—100.2)



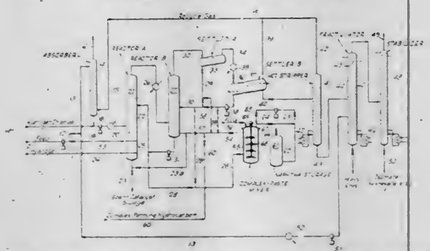
1. In an electromagnetic sound recording and reproducing machine, an endless magnetizable and demagnetizable recording medium, driving means operable during functioning of said machine and disposed to cause motion of said medium, and terminating means arranged to terminate operation of said driving means after substantially a predetermined integral number of complete passages of said medium through said machine, said terminating means including means for changing from recording to reproducing operation.

2,379,549
SUBIRRIGATION DEVICE FOR THE PROPAGATION OF PLANTS
Franklin N. P. Supplee, Philadelphia, Pa.
Application September 17, 1942, Serial No. 458,692
1 Claim. (Cl. 47—38)



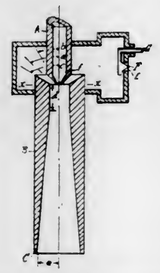
A device of the class described consisting of, a hollow generally rectangular open top wood holding frame comprising, comparatively narrow side pieces and comparatively wide end pieces arranged with their top edges substantially flush and connected at the corners, the depending portions of the end pieces providing legs for supporting the frame in position to provide space beneath it for the accommodation of a container for water or the like, generally horizontal cleats provided on the intermediate portions of the inside faces of the end pieces and terminating substantially at the inside faces of the side pieces, reinforcing strips arranged at the ends of the end pieces and at the corners of the frame to reinforce the legs; a generally rectangular wooden grower unit tray adapted for insertion into and removable from the holding frame with clearance at the sides and ends of the same for ventilation and for supporting sheets of glass, said tray having a flat bottom and side pieces and end pieces which extend upward beyond the side pieces, providing a support for a cover and for ventilation, one of the end pieces being detachably fitted to and disconnected from the side pieces and securely held in place by the supporting frame.

2,379,550
HYDROCARBON CONVERSION SYSTEM
Mack Sutton, Hammond, and Cecil W. Nysewander, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 4, 1942, Serial No. 467,824
4 Claims. (Cl. 260—683.5)



2. The method of introducing catalyst material into an aluminum chloride hydrocarbon conversion zone operating at superatmospheric pressure and containing liquid aluminum chloride hydrocarbon complex, which method comprises withdrawing liquid aluminum chloride-hydrocarbon complex from said conversion zone into a mixing zone thereby displacing pressuring fluid from said mixing zone, introducing catalyst material into said mixing zone, intimately mixing said material with said complex in said mixing zone whereby said material is incorporated in the complex, and transferring said complex with catalyst material incorporated therein back into said superatmospheric pressure conversion zone by reintroducing pressuring fluid into said mixing zone under sufficient pressure to effect such transfer.

2,379,551
APPARATUS FOR MIXING GASES
Henry Alfred Ernest Talley, London, England
Application October 6, 1944, Serial No. 557,519
In Great Britain April 27, 1944
2 Claims. (Cl. 230—95)



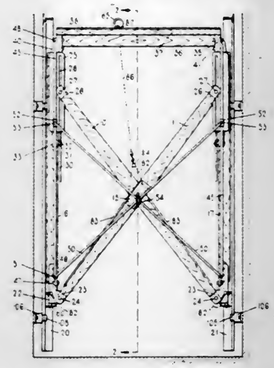
1. An improved jet and Venturi tube construction which ensures that the ratio of any pre-determined proportion of an entrained gas shall remain constant at all rates of flow of the primary gas passing through the jet characterised by a jet of the pure orifice type whose external included angle is exactly 45 degrees to its longitudinal axis and the internal angle is exactly 30 degrees to the longitudinal axis, a Venturi tube surrounding the jet having a mouth with an included angle of 60 degrees to the longitudinal axis, followed by a parallel portion one-half inch (1.27 cm.) in length and a divergent portion having an included angle of 6 degrees to the longitudinal axis and a vacuum chamber housing the jet and Venturi tube, said vacuum chamber having an inlet orifice for the entrained gas likewise of the pure orifice type.

2,379,552
ADHESIVE COMPOSITIONS
Jan Teppema, Cambridge, and Joseph F. Manning, Boston, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application July 2, 1943, Serial No. 493,298
3 Claims. (Cl. 260—17)

1. A liquid adhesive composition comprising butadiene-acrylonitrile copolymer containing in the neighborhood of 25% by weight of acrylonitrile dispersed in a solvent for said copolymer, and a toughener for the coplymer consisting of pyroxylin, the ratio by weight of the pyroxylin and butadiene-acrylonitrile copolymer being from 1:2 to 2:1.

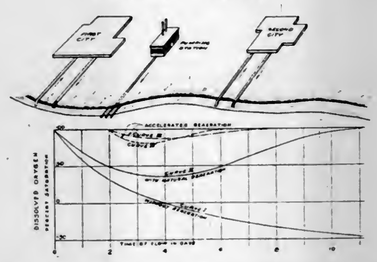
2,379,553
WORKING PLATFORM FOR ELEVATOR HOISTWAYS
Russell George Tilton, Mountain Lakes, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application August 2, 1944, Serial No. 547,725
7 Claims. (Cl. 304—29)

1. Supporting framework for a temporary working platform adapted to run on a pair of guide rails in an elevator hoistway comprising; a pair of elongated guide shoes, one for each guide rail; an expansible frame connecting said



guide shoes to enable the framework to be adjusted to fit hoistways of different widths; and means for locking the framework in adjusted position.

2,379,554
METHOD OF TREATING SEWAGE
Richard G. Tyler, Seattle, Wash.
Application October 1, 1941, Serial No. 413,150
3 Claims. (Cl. 210—2)

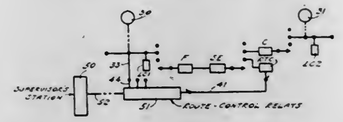


1. A process of treating a natural water course into which sewage has been placed for disposal, comprising: allowing in and along such water course the dispersion of and the natural decomposition of such sewage whereby the biochemical oxygen demand of such water is, and the dissolved oxygen may be, decreased; and along the path of such dispersion, following a reduction in the dissolved oxygen, and prior to the minimum allowable dissolved oxygen, bubbling air up through such water course to maintain the dissolved oxygen in the water above the minimum allowable by law, whereby the rate of decomposition of organic material is maintained above a desired value, fish life is maintained, and nuisances are minimized.

2,379,555
POLYGLYOXAL HYDRATE
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1942, Serial No. 427,352
2 Claims. (Cl. 260—340)

1. The process of preparing a dry solid mixture of polymerized glyoxal hydrates which comprises distilling an aqueous solution of glyoxal which is substantially free from mineral acids and has a pH falling within the range 4.0 to 5.0, said distillation being carried out at a reduced pressure not exceeding that corresponding to 150 millimeters of mercury and at a temperature not in excess of 60° C.

2,379,556
WATCHMAN SUPERVISORY AUTOMATIC TELEPHONE SYSTEM
Bert A. Wallace, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application June 12, 1943, Serial No. 490,691
20 Claims. (Cl. 179—2)



1. In a watchman supervisory automatic telephone system, a subscriber line arranged to serve as a watchman report line, said line having a line circuit individual thereto including a line relay, a cutoff relay, and a lockout relay; call-extending automatic switching devices common to said subscriber line and to other subscriber lines; said line relay being operable responsive to removal of the receiver on the associated line to cause an idle one of said switching devices to become connected with such line, said cutoff and lockout relays operating responsive to said connection, said cutoff relay being thereupon effective to disconnect and restore said line relay, means responsive to the calling of a preassigned report number over the connected subscriber line for correspondingly operating the connected automatic switching device, means responsive to such operation for open-circuiting said cutoff and lockout relays while the receiver on the calling line is still unreplaced, means for delaying the restoration of the lockout relay until after the cutoff relay has restored, the line relay reoperating upon being reconnected by the cutoff relay, a supervisory station, and means controlled jointly by said line and lockout relays in operated condition for maintaining the lockout relay in operated condition, and for extending a connection from the associated line to said supervisory station.

2,379,557
MANUFACTURE OF POLYAMIDE STRUCTURES
William Way Watkins, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,211
11 Claims. (Cl. 18—48)

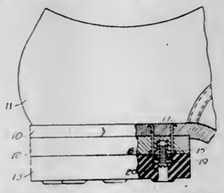
1. The process of transparentizing a structure composed of a synthetic linear polyamide having a quench index above 125 mils and which is opaque by reason of the presence of voids which comprises subjecting said structure, in its water-wet state (i. e., containing the amount of water which the structure will absorb when in equilibrium with water in the liquid phase), to treatment with a non-aqueous liquid which is non-reactive with and incapable of completely dissolving said polyamide at the temperature of treatment, said treating liquid having a temperature of at least 75° C. but below, but not exceeding 10° below, the temperature at which said structure is completely destroyed.

2,379,558
RETRIEVABLE SQUEEZING TOOL FOR WELLS
Wilson W. Whatley, II, Dallas, Tex., assignor to Fladger Phenix, Lafayette, La.
Application May 21, 1942, Serial No. 443,905
4 Claims. (Cl. 166—1)



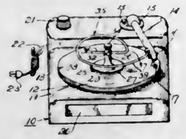
1. A retrievable apparatus for use in cementing wells, including in combination with the tubing of a well, an elongated and slotted tubular case having an internal shoulder adjacent its upper end, a vertically reciprocable, hollow mandrel suspended by said tubing and having an external shoulder corresponding to and engageable with the shoulder of said case, by which the apparatus is suspended in said casing, a valve tube depending from said mandrel within said case, having fluid outlet ports, packing means within said case intermediate its ends through which said tube is constrained to slide upon reciprocation of said mandrel, a second hollow mandrel reciprocable in said case below said packing means, a casing packer on the lower end of said second mandrel having spring means frictionally engaging said well casing to hold said second mandrel against rotation, an expander and slips embracing said second mandrel above said casing packer and means effective upon limited rotation of said tubing to release said first and second mandrels successively for reciprocal movement in said case to actuate said slips and to move said valve tube in relation to said intermediate packing means.

2,379,559
DETACHABLE HEEL FOR SHOES
Richard N. Wilson, Lansing, Mich.
Application March 31, 1944, Serial No. 528,820
1 Claim. (Cl. 36—36)



A shoe including a heel comprising juxtaposed separable upper and lower portions, said upper portion being permanently secured to said shoe, a sleeve having a radial flange thereon permanently attached to the upper portion with the lower surface of the flange in coplanar relation with the lower surface of the upper portion of the heel, said lower portion of the heel having an upwardly opening recess receiving said sleeve and closely fitting the same, and means engaging said lower portion and threaded into said sleeve for detachably securing the latter to the upper portion of the heel.

2,379,560
PHONOGRAPH RECORD REPEATER
Allen L. Barnes, Melrose Park, Ill.
Application January 26, 1943, Serial No. 473,623
5 Claims. (Cl. 274—15)

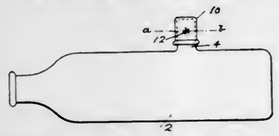


1. A phonograph record repeating device comprising a base formed with a central recess adapted to receive the turntable shaft of a phonograph with said base engaging a record on the turntable, means for establishing a positive interlock between said base and said record, a stem upstanding from said base, and a spiral track carried by said stem.

2,379,561
METHOD OF INCREASING THE EFFECTIVE PERMEABILITY OF POROUS FORMATIONS
Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application November 21, 1941, Serial No. 419,914
1 Claim. (Cl. 252—8.55)

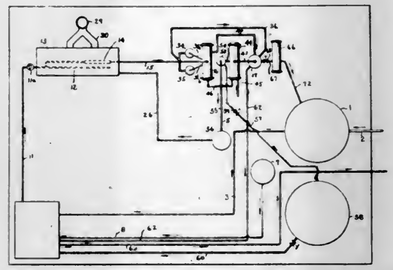
A method of increasing the production of an oil or gas well comprising introducing a water absorbing fluid into the interstices of the producing formation to contact the water adsorbed therein, said water absorbing fluid consisting essentially of sulfuric acid, and withdrawing said water absorbing fluid with the dissolved water from said formation.

2,379,562
NURSING BOTTLE
Joseph Harry Boxley, Richmond, Va.
Application December 5, 1944, Serial No. 566,767
4 Claims. (Cl. 215—11)



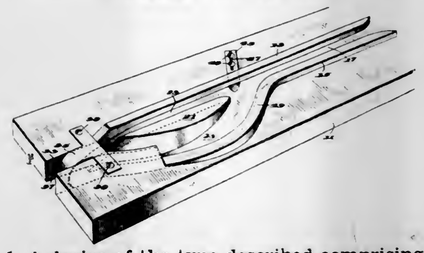
1. A nursing bottle having a boss formed on and extending from the outside of its lower portion, and with a large vent-hole through the wall of the bottle and through the length of the boss for the passage of air into the bottle and for cleansing and sterilizing operations; the said boss having an aperture formed in its wall to permit the passage of air therethrough; in combination with closing means adapted to cover the said vent-hole and the said aperture and to yieldingly embrace the said boss to normally prevent the passage of air between the boss and the closing means yet permitting the moving of the closing means on the boss: the said closing means having through its wall a puncture which on moving the closing means on the boss may be registered with the aperture in the wall of the boss.

2,379,563
APPARATUS FOR REFINING CRUDE PETROLEUM
Lavoy Carter, Houston, and John T. Barrow, San Antonio, Tex.; said Carter assignor to said Barrow
Application August 7, 1942, Serial No. 454,028
6 Claims. (Cl. 196—2)



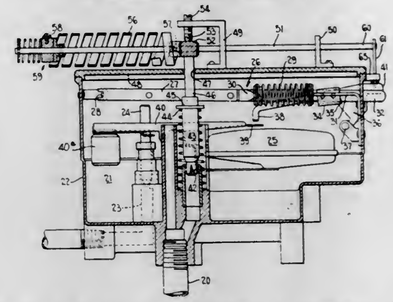
1. Apparatus of the character described comprising means for mixing and emulsifying hydrocarbon and water, means for supplying the water and hydro-carbon, to be mixed to the mixer, means for vaporizing the emulsion, a catalyst in contact with which the vapors from the emulsion are passed, means for maintaining the vapors at high temperature while in contact with the catalyst, a heat exchanger, means for dellvering the vapors from the catalyst to the heat exchanger, a fractionating tower, a conduit leading from the heat exchanger and entering the lower portion of said tower, a catalyst in said conduit, means for introducing steam into the bottom of the tower, and means for taking off the vapor from the top of the tower.

2,379,564
APPARATUS FOR FEEDING AND ORIENTING CROWNED NUT OR ARTICLE BLANKS
Edward J. Cole, Peekskill, N. Y., assignor to Cole Machinery Mfg. Corp., New York, N. Y., a corporation of New York
Application June 3, 1943, Serial No. 489,538
11 Claims. (Cl. 10—165)



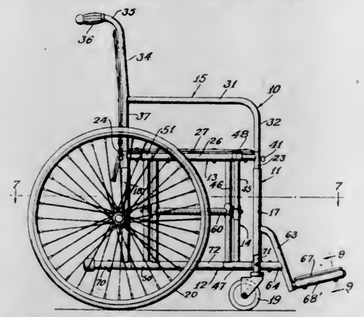
1. A device of the type described comprising an inclined base having a discharge opening therein, a plurality of guide rails forming an open main chute on said base down which articles are adapted to slide by gravity, a by-pass chute intermediate the length of said main chute, means angularly disposed through a guide rail and closely spaced from said base within said open chute for diverting articles having a predetermined position into said by-pass chute for discharge into the opening, and means for giving the balance of said articles the same predetermined position, said base being inclined in two planes whereby said articles will slide along the lower of said rails to engage or pass over said diverting means.

2,379,565
FUEL BURNER CONTROL MEANS
Edward J. Doucet, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 9, 1942, Serial No. 442,290
9 Claims. (Cl. 236—10)



7. In a heating apparatus, a constant liquid level device having a chamber with an inlet and with an outlet for supplying fuel to a burner, a valve controlling said inlet, means responsive to liquid level in said chamber and operatively connected to said valve to maintain a substantially constant liquid level in said chamber, safety means operable to move said valve to closed position, means operable to actuate said safety means to close said valve upon occurrence of a liquid level in said chamber above said constant level, metering means controlling flow from said outlet, thermostatic means operable to actuate said metering means, and means operable by said thermostatic means to actuate said safety means to close said valve.

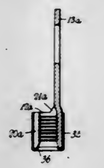
2,379,566
FOLDING WHEEL CHAIR
Sam Duke, Chicago, Ill.
Application May 27, 1943, Serial No. 488,643
13 Claims. (Cl. 155—30)



1. A folding wheel chair comprising a wheel-bearing undercarriage including spaced horizontally extending bottom members and vertically extending front and rear tubular lower leg sections carried by each of the said horizontally extending bottom members, a resilient cushioning member arranged in the bottom portion of each of the said vertically extending tubular front and rear lower leg sections, a seat-supporting unit including spaced horizontally extending seat-supporting members and vertically extending front and rear tubular upper leg sections rigidly connected to the said horizontally extending seat-supporting members, said vertically extending front and rear tubular upper leg sections be-

ing slidably and telescopically connected to the said tubular vertically extending front and rear lower leg sections and resting at their lower ends upon the said resilient cushioning members, and a bracing unit including a pair of diagonally intersecting bracing members swivelly mounted at their lower ends upon the said horizontally extending bottom members and swivelly mounted at their upper ends upon the said horizontally extending seat-supporting members.

2,379,567
ELECTRICAL CONNECTOR
Stephen N. Buchanan, Westmoreland Hills, Md., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey
Application December 3, 1941, Serial No. 421,408
2 Claims. (Cl. 173—269)



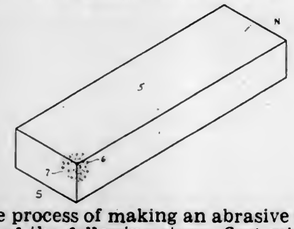
1. An electrical connector of the type intended to be crimped onto an electrical conductor and including a terminal contact portion and a rolled ferrule portion integral therewith having a seam formed by two abutting edges where they are brought together into cylindrical shape for receiving the wire of the conductor, and a seamless sleeve telescoped over and embracing said ferrule portion; said contact and ferrule portions being formed of a highly conductive, relatively soft material, and said sleeve being formed of a relatively flexible material resistant to stretching and being relatively thin with respect to the material of said ferrule portion.

2,379,568
CONDUIT SUPPORTING CLIP
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Original application August 24, 1940, Serial No. 354,105. Divided and this application April 10, 1942, Serial No. 438,487
5 Claims. (Cl. 174—40)



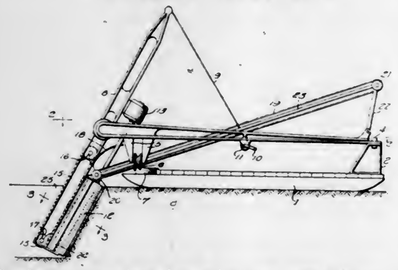
1. In a clip for supporting and grounding a metallic conduit line, a metal line-embracing member adapted to be mounted on and contacted with a metallic supporting structure, a line-embracing cushion of insulation material mounted on said member, and a resilient bonding member constituting an intermediate part of the first recited member and protruding through a portion of said cushion for contact with a conduit line embraced by said cushion.

2,379,569
ABRASIVE TOOL
Robert Ellis, York, Pa.
Application January 22, 1944, Serial No. 519,269
3 Claims. (Cl. 51—205)



1. The process of making an abrasive tool which consists of the following steps; first mixing magnetizable material with powdered or granulated abrasive material and a binder; second, molding or pressing said mixed material into a solid mass; and third, inserting the solidified article into a magnetic field generated by direct electric current so that it will retain its magnetism permanently.

2,379,570
MEANS FOR WINNING AND PREPARING PEAT
Carl Allan Friberg, Malmo, Sweden
Application September 4, 1943, Serial No. 501,328
In Sweden September 1, 1942
5 Claims. (Cl. 37—3)

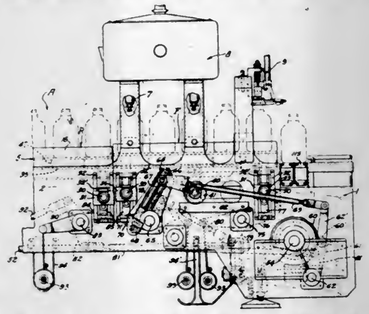


1. An apparatus for winning peat from bogs, comprising a carriage movable on the surface of the bog, a substantially cylindrical brush of relatively great axial length rotatably mounted on said carriage for work on one depthwise extending side of a peat trench in the bog, means for rotating said brush about its axis at a high speed, an endless conveyer band having a surface to which comminuted peat can adhere, said band being mounted above said brush with its upwardly running peat collecting surface facing downwardly towards said brush and substantially parallel to the axis thereof, and means for driving said conveyer band at a sufficiently high speed to throw off the adhering peat layer at the top of said band.

2,379,571
CONVEYING APPARATUS
Charles L. Gerlach, Waukesha, Wis., assignor to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin
Application March 22, 1943, Serial No. 480,000
9 Claims. (Cl. 198—219)

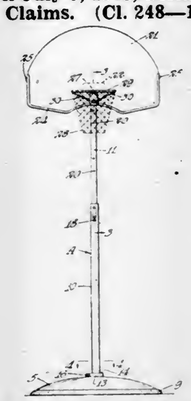
1. An apparatus of the character described comprising a frame including side members, cross members connecting said side members, a plurality of parallel ways extending longitudinally of the frame adjacent the top thereof, each way being made up of transversely spaced tracks

with vertical dividers extending along the outer edges of the tracks, said ways being transversely divided approximately midway between their ends, a separate set of raising and lowering means for each section of the ways, each raising and lowering means comprising a pair of raising and lowering bars extending transversely of the frame and longitudinally spaced from each other, supporting brackets on said bars and engaged with and secured to the undersides of the ways, means coacting with the ends of the bars and with the frame for constraining the bars to



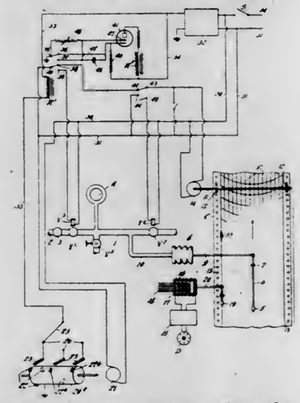
raising and lowering movement, a separate operating mechanism for each pair of raising and lowering bars, one of said operating mechanisms including a variable stroke device adjustable to regulate the extent of vertical motion imparted to its ways, a horizontally disposed reciprocable pusher bar interposed between the tracks of each way, each of said pusher bars having a series of vertically extending bottle-engaging feed pins, and means for imparting a forward feeding motion to each pusher bar when the ways are lowered and for imparting a return movement to each pusher bar when the ways are elevated.

2,379,572
PORTABLE BASKETBALL GOAL
Gerald A. Gibson, Excelsior, Minn.
Application July 9, 1943, Serial No. 493,991
2 Claims. (Cl. 248—194)



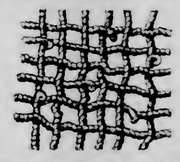
1. In a game ball standard, a base having a lower portion with a socket therein and an upper portion spaced above said lower portion with an aperture therein, a vertically disposed post passing through said aperture and extending into said socket, and releasable clamping means rigidly secured to said base adjacent said aperture and positioned to engage said post adjacent said aperture.

2,379,573
AUTOMATIC BLOOD PRESSURE RECORDER
Warren E. Gilson, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application August 17, 1942, Serial No. 455,139
6 Claims. (Cl. 128—2.05)



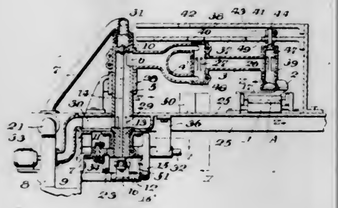
1. In a blood pressure recorder, the combination of an inflatable arm cuff, means for periodically inflating the cuff to a pressure above the systolic blood pressure, a valve for providing a leak to gradually reduce the cuff pressure, means for suddenly deflating the cuff, a timing device controlling the cuff-deflating means to deflate the cuff after the cuff pressure has been reduced below the diastolic blood pressure and prior to the next cuff inflation to provide rest periods for the patient, said timing device including an electric circuit having therein a relay for controlling said cuff-deflating means and having therein an electronic tube controlling said relay, and means for determining the time of operation of said electronic tube.

2,379,574
METHOD OF PRODUCING SURGICAL BANDAGES WITH IMPROVED ELASTIC PROPERTIES
Charles F. Goldthwait, New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application November 5, 1943, Serial No. 509,134
1 Claim. (Cl. 28—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



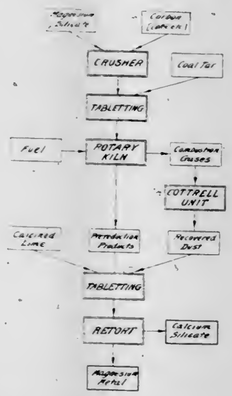
A method of producing an elastic and roughened surgical bandage comprising treating an open weave cotton fabric with a solution of sodium hydroxide of about from 20 to 25% concentration without applying tension to the fabric, whereby the fabric shinks in all directions imparting to the individual yarns of the fabric many small spring-like crimps lying between adjacent yarns running in the direction normal thereto, removing the sodium hydroxide, and drying the fabric while in the non-tensioned state.

2,379,575
WRAPPER CARRIER IN CIGAR MACHINES
Karl Erik Granstedt, Stockholm, Sweden, assignor to Aktiebolaget Formator, Stockholm, Sweden, a Swedish joint-stock company
Application May 13, 1942, Serial No. 442,805
In Germany June 6, 1941
2 Claims. (Cl. 131—105)



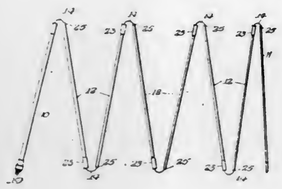
1. In a cigar machine, a hollow wrapper support, a hollow post, a valve in said post, a hollow articulated arm one end of which is connected with said wrapper support and its other end being connected with said post to establish communication between the interior of said wrapper support and the interior of said post, an air pump having a suction side and a pressure side connected to said post, and means for actuating said valve to alternately establish through said post pneumatic intercommunication between the interior of said hollow arm and the suction and pressure sides of said air pump.

2,379,576
PROCESS FOR PRODUCING METALLIC MAGNESIUM FROM MAGNESIUM SILICATES
Fritz J. Hansgirg, Black Mountain, N. C., assignor to North Carolina Magnesium Development Corporation, Asheville, N. C., a corporation of North Carolina
Application August 18, 1944, Serial No. 550,062
14 Claims. (Cl. 75—67)



1. A process for producing metallic magnesium from magnesium silicates, which comprises effecting a partial reduction under conditions promoting the reduction of the silica content to metallic silicon without affecting the magnesium oxide content to any substantial extent, and then reacting the resulting partially reduced material at elevated temperatures, whereby the silicon produced serves to reduce the magnesium oxide to form metallic magnesium.

2,379,577
FOLDABLE ANTENNA
Harry H. Harsted, Chicago, Ill.
Application January 25, 1943, Serial No. 473,491
2 Claims. (Cl. 189—26)



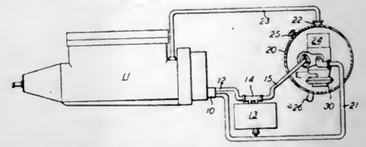
2. A foldable rod formed of a plurality of sections assembled together end to end, a flexible element connected by one end to one of the sections and passing through others of the sections for drawing the sections together from a folded relation, said sections when drawn together having a tight frictional telescopic engagement with each other, which holds the sections together independently of said flexible element, means connecting the other end of said flexible member to another of said sections, whereby the latter section will serve as a handle to draw upon said flexible member, and means within the last recited section serving, when the sections are in assembled relation, for taking up the slack in said flexible member, the last said means also operating to permit the said sections to be separated and folded together, and also operating to maintain the rod sections in folded relation.

2,379,578
REEL SEAT
John Heddon, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan
Application December 13, 1943, Serial No. 514,059
5 Claims. (Cl. 43—22)



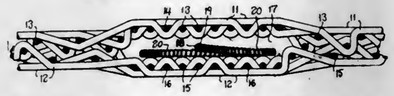
1. In a reel seat of the character described, the combination of a handle having a downwardly offset medial portion provided on its upper surface with a socket for the base plate of a reel, said socket being provided at its rear end with a recess for the reception of the rear end of the base plate, a longitudinally movable clamping block at the forward end of said socket recess configured to receive the forward end of the base plate, a vertically slotted member at the forward end of the block, and an obliquely downwardly and forwardly extending adjusting screw, threaded through a fixed portion of the handle at the forward end of the offset medial portion thereof, to bring the forward end of the screw exteriorly of and at a level below the socket of the handle, the screw at its rear inner end having rotatable and vertically movable engagement with the slotted member on the clamping block to impart fore and aft adjustments thereto.

2,379,579
LUBRICANT CIRCULATING SYSTEM
Frank B. Hunter, La Canada, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application May 25, 1942, Serial No. 444,311
18 Claims. (Cl. 184—6)



1. In a fluid circulating system for airplanes wherein a body of fluid is recirculated and reserve fluid supplied thereto as the circulating fluid is deplenished, a reserve fluid tank of generally circular section in a plane parallel to the axis of the airplane, a hopper in said tank through which the fluid is adapted to be circulated, means for pivotally mounting said hopper within said tank, including trunnions having a central transverse axis relative to said tank, and fluid circulating connections to and from said trunnions, including passages in said trunnions and associated with said hopper, whereby to deliver the fluid to the top thereof and withdraw fluid from the bottom thereof.

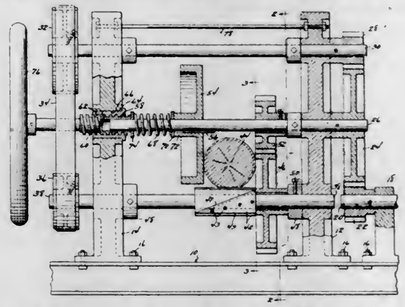
2,379,580
ELECTRICALLY HEATED FABRIC
James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application November 25, 1942, Serial No. 466,843
3 Claims. (Cl. 219—46)



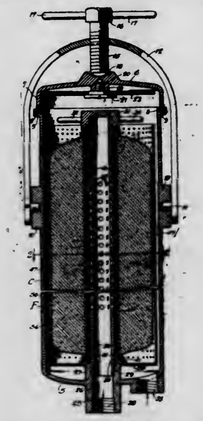
1. An elastic electrically-heated flexible fabric comprising: an elastic flexible fabric base mainly formed of interlaced textile strands and providing ducts extending generally parallel to one another, and including elastic strands extending generally parallel to said ducts; said fabric and said elastic strands being stretchable longitudinally of said elastic strands and of said ducts; a flexible electric resistor-strand in each of said ducts and lying loosely therein in undulating arrangement in the general plane of the fabric when said fabric is in unstretched condition, the width of each said duct in the general plane of the fabric being more than twice as great as the diameter of the resistor-strand in such duct; and two spaced-apart flexible electric lead-strand means extending transversely across and electrically connected to said electric resistor-strands so that said electric resistor-strands are electrically connected in multiple.

2,379,581
BARK REMOVING MACHINE
Clarence F. Knight, McGrann, Pa.
Application July 20, 1942, Serial No. 451,613
3 Claims. (Cl. 144—208)

1. A machine of the kind described, comprising a plurality of rotary shafts spaced from each other, a cutter rotated by one of the shafts and disposed crosswise of a log when operated upon by said cutter, a displaceable disk on another of the shafts, and disposed longitudinally of the log and engaging the log at one side at a point substantially aligned with the transverse axis of the log for imparting turning movement thereto, a gear loose on the cutter shaft and contacting the log on the side diametrically opposed to the side thereof contacted by the disk for longitudinally advancing the said log, a spring urging the disk toward the log, and a pinion carried by the shaft carrying the disk and of less size than the gear and meshing with the gear for driving the latter at less speed than the disk.

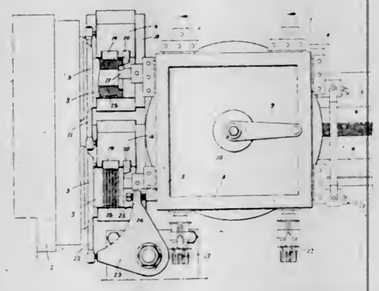


2,379,582
FILTER
Aloysius C. Kracklauer, Mundelein, Ill., assignor to Sparkler Manufacturing Company, Mundelein, Ill., a copartnership composed of William J. Kracklauer, Violet W. Kracklauer, and himself
Application April 1, 1943, Serial No. 481,443
5 Claims. (Cl. 210—183)



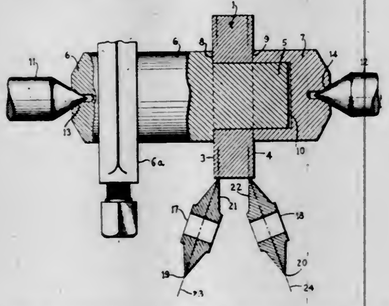
1. A filter cartridge having a core which comprises a formanious tube, a filter paper wrapping extended through several closely wound convolutions around the tube, and a spread of diatomaceous earth between certain convolutions of the paper held entirely between opposed surfaces thereof, together with a filling of carbon compound arranged around the paper wrapping, an enclosure for the carbon compound in the form of a surrounding textile bag having its ends drawn in and extended outwardly in the form of necks parallel to the core, and a tie extending tightly around each neck for securing the bag firmly to outermost convolution of the paper wrapping whereby to maintain pressure between the several convolutions of the wrapping and between the wrapping and the foraminous tube interiorly thereof to confine therein the spread of diotomaceous earth.

2,379,583
LATHE TOOL MOUNTING AND ACTUATING MECHANISM
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 20, 1943, Serial No. 476,541
5 Claims. (Cl. 29—47)



1. A lathe tool mounting and actuating mechanism assembly for a lathe which includes a headstock having a pair of horizontally spaced rotary chucks, and a longitudinally movable tool carriage spaced from the headstock; a pair of upstanding tool holders disposed in spaced relation transversely of the lathe between the carriage and headstock, means pivoting said tool holders at their lower ends on the lathe for swinging movement transversely thereof to and from corresponding work in said chucks, and means actuated by the carriage upon predetermined advance of the latter operative to simultaneously swing said tool holders to the work.

2,379,584
METHOD OF MAKING SEAL MEMBERS
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 31, 1942, Serial No. 429,073
10 Claims. (Cl. 29—148)



1. The method of making a seal member which comprises binding a metallic disc having a centrally located hole therein, between two mandrel members having cylindrical outer surfaces of a diameter greater than that of said hole and less than the outside diameter of said disc, shearing a lamination parallel to a face of the disc, from the outside circumference of the disc, down substantially to the diameter of said mandrel, turning over the sheared lamination on to the mandrel, and then rolling the turned over lamination on the circumference of the mandrel to form a tapered margin.

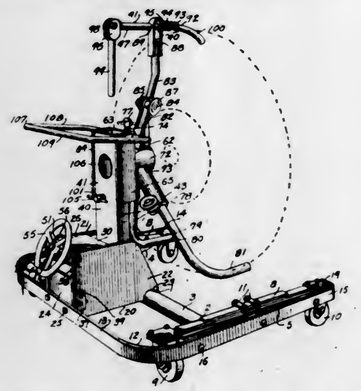
2,379,585
SULPHONATION OF BENZENE
James B. Maguire, Jenkintown, Pa., and David F. Gould, Riverton, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1943, Serial No. 492,902
7 Claims. (Cl. 260—505)

1. A process for the sulphonation of benzene which comprises passing benzene vapor into sulphuric acid, the initial temperature of which is between about 85° and about 110° C., continuing passage of the vapor until the temperature of the mass rises to a peak at least 70° C. above the initial temperature of the acid but not higher than about 180° C., and then completing the sulphonation at a temperature at least 5° C. below the peak temperature and within the range of from about 140° to about 165° C.

2,379,586
VITAMIN PRODUCT AND PROCESS OF MANUFACTURE
Paul D. V. Manning, Berkeley Woods, and Elmer Trone, San Francisco, Calif., assignors to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 29, 1941, Serial No. 385,940
3 Claims. (Cl. 99—11)

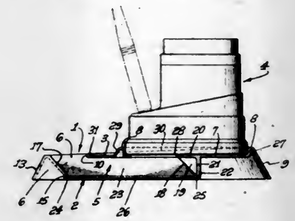
1. In a vitamin product, homogenized cow's milk fortified with both carotin and vitamin C, the carotin content being sufficient to impart a golden color to the product which is substantially deeper than the color of normal cow's milk so as to protect the vitamin C content against the catalytic action of light.

2,379,587
WHEEL-MOUNTING DOLLY
Robert D. Moore, Kansas City, Mo.
Application April 20, 1944, Serial No. 531,897
19 Claims. (Cl. 214—65.4)



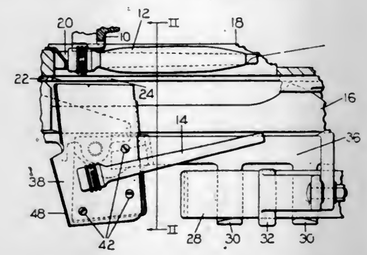
1. A wheel-mounting dolly including a frame, a post-like member, toggle arms connecting the post-like member with the frame, means for actuating the toggle arms for raising and lowering the post-like member on the frame, a bracket tiltably supported on the post-like member, a spindle on the bracket, a hub-like member rotatably mounted on said spindle, a pair of downwardly diverging wheel-supporting arms on the hub-like member, and a clamping arm cooperating with the first-named arms and extending from the opposite direction on the hub-like member for clamping a wheel.

2,379,588
MEMO BASE FOR PEN-INK UNITS
Bert M. Morris, Los Angeles, Calif.
Application April 26, 1944, Serial No. 532,863
5 Claims. (Cl. 120—1)



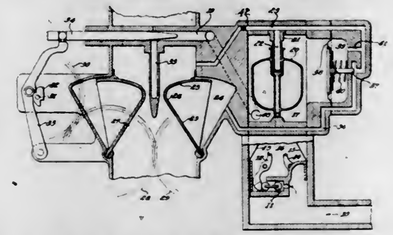
1. A memo base for a pen-ink unit, said base comprising a unitary casting having an elevated top having a front edge, said top being integrally united with a supporting wall extending around, beyond and parallel to the front edge of said top whereby the front edge of said top and the parallel portion of said wall provide an opening to the underside of said top, and partitions integral with the underside of said top and providing a pocket communicating with said opening, an intermediate portion of said top wall having a ridge enclosing a portion of said top wall, the contour of said ridge conforming to the base of a pen-ink unit, the rear side of said front wall sloping outwardly, and ribs under said top wall opposite said intermediate portion, the front edges of said ribs sloping parallel to the rear side of said front wall, and a bottom piece extending between said front wall and said ribs and secured thereto.

2,379,589
PICKER STICK GUIDE
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 7, 1944, Serial No. 521,363
5 Claims. (Cl. 139—255)



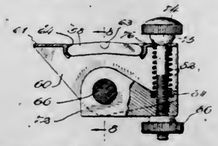
1. An automatic loom having a lay, a shuttle box on said lay having a slot in its bottom through which a filling carrier may be ejected, a picker stick guide fixed to said lay below said shuttle box, and forming with said lay a slot for a picker stick, means for transferring a filling carrier to said shuttle and ejecting a filling carrier on which the filling is substantially exhausted, and means supported on said picker stick guide and having an inwardly and rearwardly inclined surface against which the filling carrier is ejected, said surface being so arranged that the outer edge portion of said surface will engage the shank of said ejected filling carrier intermediate of its ends and the butt of said filling carrier to deflect the tip of said filling carrier away from said picker stick slot.

2,379,590
VAPOR SEPARATOR
Wilbur C. Oliver, Los Angeles, Calif., assignor to George M. Holley and Earl Holley
Application March 7, 1944, Serial No. 525,395
2 Claims. (Cl. 261—72)



1. A vapor separator for use in combination with an airplane carburetor having a throttle controlling the flow of air therethrough, comprising a vapor separating chamber, a float therein, a vapor outlet therefrom constructed and arranged so as to be uncovered by said float when the fuel level in said chamber falls below a predetermined level, a first passage connecting said outlet to the air entrance to said carburetor a restriction in said passage, a second passage connecting said outlet to the engine side of said throttle, a valve in said second passage, a moving wall subjected on one side to the pressure in the second passage and on the other to the pressure in said vapor separating chamber and to the force exerted by a spring, said valve being operatively connected to said moving wall whereby the depression applied to the vapor outlet is prevented from becoming excessive.

2,379,591
INDICATOR
Charles W. Parisi, Bellwood, Ill.
Application October 24, 1942, Serial No. 463,168
7 Claims. (Cl. 33—207)

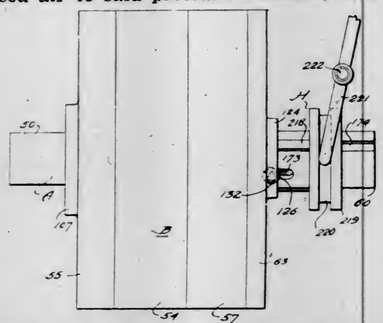


1. An indicator for indicating the point for stopping a machine tool cut for use on a machine tool having a manually controlled, arcuately movable element for moving a cutting tool, comprising a level indicator, a bracket adapted to be secured to said arcuately movable element in an approximate upright position when said element is in the position it should assume at the end of a cut, said bracket including a stud and a base member secured to the outer end of said stud, level indicator carrying means pivotally mounting said level indicator to said stud for arcuate movement relative to said bracket, and means for nicely adjusting the relative positions of said bracket and said level indicator including spring means positioned between said base member and said level indicator carrying means to resist pivotal movement.

2,379,592
PNEUMATIC CLUTCH
Robert S. Philbrick, York, Pa.
Application November 16, 1943, Serial No. 510,533
13 Claims. (Cl. 192—58)

1. In a pneumatic clutch, the combination of a rotary driving unit and a rotary driven unit

providing an annular airway; means carried by said units to alternately draw air into said way and compress same when there is relative movement between said units, said driven unit including an air pressure chamber, one wall of which is provided with a port for transfer of the compressed air to said pressure chamber; and said



driving unit including a valve portion rotatable therewith, cooperating with said wall to close said port when air is being drawn into said airway and to open said port when air is being compressed in said airway, whereby the units will rotate in unison when the air pressure in said chamber equals the torque of the force to overcome in the operation of the clutch.

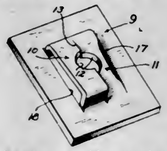
2,379,593

SPRING NUT WITH LOCKING SPUR

George W. Plumb, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California

Application October 31, 1944, Serial No. 561,222

7 Claims. (Cl. 151—21)



1. In a nut, a body portion, elongated resilient portions struck outwardly from the plane of said body portion and provided with opposed side edge portions defining an opening in which a screw threaded member may be turned so as to have tensioned screw threaded engagement with said side edge portions; and an inwardly turned side edge portion on one of said struck out portions forming a locking spur adapted to contact the member against which the nut is applied to prevent turning of the nut relative to said member.

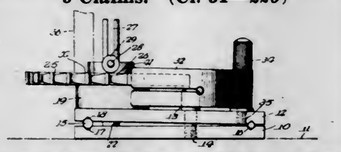
2,379,594

GRINDING FIXTURE FOR CUTTERS

Arthur Ringzelli, Chicago, Ill.

Application January 29, 1943, Serial No. 473,945

5 Claims. (Cl. 51—225)



1. In a fixture for supporting a cutter to be ground, on a grinder, the combination of a substantially rectangular metallic base plate, a second plate positioned above the base plate, means adjustably holding said plates together, pairs of oppositely disposed parallel grooves adjacent to the ends of the plates, a plurality of detachable cylindrical rods for engagement with said grooves for fixing the slope of the second plate with respect to the base plate, means for rotatably mounting a cutter to be ground on the second named plate, and means for holding the cutter in adjusted positions.

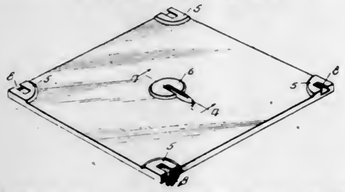
2,379,595

FLOOR SLAB

James Roe, Chicago, Ill., assignor of one-half to Albert Kahn, Chicago, Ill.

Application April 7, 1943, Serial No. 482,203

5 Claims. (Cl. 94—3)



1. A floor tile comprising a slab of resilient material having supporting legs for elevating the main body of the slab above a supporting surface, the supporting legs being of a height to the bottom of the slab substantially less than the thickness of the slab and each of the legs having a nail passage opening therethrough at right angles to the plane of the floor tile, the slab being of material sufficiently resilient to permit bowing of the portion thereof between adjacent legs an amount in excess of the height of the legs and within the elastic limits of the material.

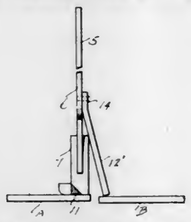
2,379,596

MAGNETIC LIFTING DEVICE

James W. Seamans, San Leandro, Calif.

Application June 12, 1944, Serial No. 539,938

3 Claims. (Cl. 294—65.5)



1. A device for lifting a metal plate or the like to align the same with an adjacent plate, said device comprising a handle, a magnet connected to said handle, non-metallic clips insulated from said magnet, and a pusher bar carried by said handle, said bar capable of exerting pressure on the adjacent plate.

2,379,597

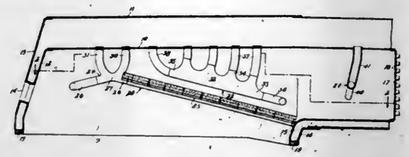
LOCOMOTIVE FIREBOX EQUIPMENT

Chester A. Siegel, Newark, N. J., assignor to American Arch Company, New York, N. Y., a corporation of Delaware

Application December 20, 1941, Serial No. 423,845

10 Claims. (Cl. 122—68)

1. In a locomotive firebox having a throat sheet, a crown sheet and upright sheets at the sides and backhead, a plurality of generally longitudinally extending water circulator devices each interconnecting the throat sheet, the crown sheet and one of said upright sheets, the legs of said devices which are connected with the throat sheet being extended upwardly and rear-



wardly therefrom in spaced parallel relation, arch brick supported on said legs to form a fire arch lying in a plane inclined upwardly and rearwardly from the throat sheet, and another separate circulator device in the firebox above the fire arch interconnecting an upright side sheet and the crown sheet.

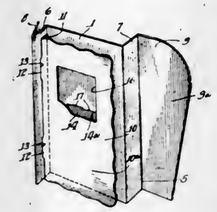
2,379,598

DISPLAY DEVICE

Clifford W. Skogh, Cary, Ill., assignor to Magill-Weinsheimer Company, Chicago, Ill., a corporation of Illinois

Application January 7, 1944, Serial No. 517,395

8 Claims. (Cl. 248—198)



1. A display device composed of relatively stiff sheet material scored at parallel lines to form a back panel with side panels disposed in planes transverse to that of said back panel, the lower edges of said panels lying in a common plane so that the device may stand upright on said edges, and a separate front panel of sheet material spaced from the back panel, said front panel having a display opening, and sheet material extending from a horizontal margin of said opening to the back panel in engagement with the front and back panels, forming a shelf to support an article for display at said opening, together with means connecting the front panel directly to at least one of the side panels in said spaced relation to the back panel, said means acting to prevent vertical displacement of the front panel relative to the back panel.

2,379,599

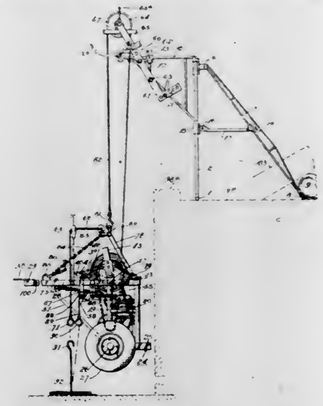
POWER HOIST

Charles R. Smith, Chicago, Ill.

Application April 13, 1942, Serial No. 438,779

6 Claims. (Cl. 212—1)

1. In a power hoist, a frame, a motor carried thereby, a cable drum carried by said frame driven by said motor, a pulley, a cable upon said drum passing over said pulley, an inverted U-shaped bail having its ends secured to opposite sides of said frame, a staple disposed centrally of the base of said bail engaged by said cable, an eyebolt disposed centrally of the base of said bail, a second staple carried by said frame in line with said eyebolt, a chain connecting said eyebolt and passing through said second



staple, and a hook carried by said chain for selective engagement with the links thereof.

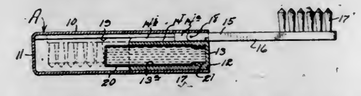
2,379,600

DENTAL COMPACT

Elizabeth E. Smith and Will O. Smith, Pittsburgh, Pa.

Application July 21, 1943, Serial No. 495,654

4 Claims. (Cl. 15—185)



1. A dental compact comprising a casing open at its forward end, a block removably positioned in the end, the block being provided at its upper side with relatively spaced flanges, a brush having a shank pivoted to and between said flanges for movement into folded or extended position with relation to the block, and lugs formed on the inner side of said flanges forwardly of said pivot, the brush shank being provided with notches receiving said lugs when the brush is in extended position with respect to the block and is held engaged therewith when the latter is subsequently positioned in the open end of the casing.

2,379,601

THERMALLY INSULATED WINDOW

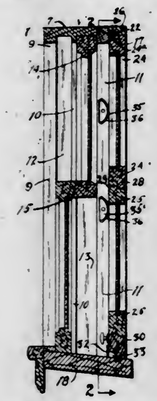
William S. Kyle Smith, Akron, Ohio

Application June 13, 1942, Serial No. 446,882

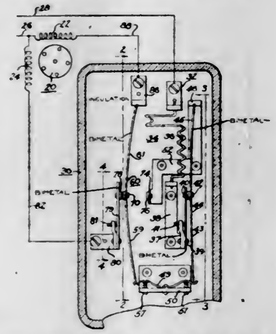
3 Claims. (Cl. 20—55)

1. In combination with a window frame having blind stops providing an outwardly presented blind seat, separate adapter strips secured in said blind seat along only the opposite side edges of the frame, said adapter strips being provided on the inner edge portions thereof with interiorly presented offset seats; an upper sash, a lower sash and a ventilating panel mounted in said offset seats to completely fill the window opening; means for releasably securing the stiles of the upper and lower sashes against said off-set seats; said ventilating panel being detachably secured in the lower portion of said frame to hold the upper and lower sashes in position in the frame to close the opening thereof, said panel being provided with an offset upper edge disposed at a downward inclination to engage a complemental

surface on the lower edge of said lower sash whereby the ventilating panel is movable interiorly to permit the sashes to be moved downwardly along said off-set seats.



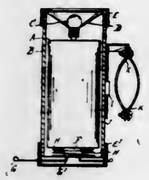
2,379,602
ELECTRICAL APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 14, 1943, Serial No. 490,757
15 Claims. (Cl. 172—279)



1. A control device for an electrical device comprising a thermally responsive element having two different portions of different rates of electrical resistance to current flow per unit length, means for conducting electrical energy through said two portions responsive to the energization of said electrical device, a shunt for shunting only one of said two portions, control means operated by the heating of said thermally responsive element for controlling the energization of said electrical device and also for controlling the shunting of said one portion.

12. A control device comprising a column loaded bimetal strip portion, means for supporting said strip portion and for applying a column loading thereto, a first electrical contact carried by said strip portion, a second electrical contact located in the path of movement of said first contact limiting the movement of said strip portion in one direction, and temperature responsive means responsive to environment temperatures for moving said second contact in said path of movement for partially compensating for the effect of environment temperatures upon said strip portion.

2,379,603
ELECTRIC BATTERY TORCH LAMP AND THE LIKE
Samuel Daniel Sullam, London, England
Application June 29, 1943, Serial No. 492,760
In Great Britain January 18, 1943
1 Claim. (Cl. 240—10.68)



A battery torch lamp comprising in combination a metal casing, a reflector and centre contact bulb fitted at one end thereof, an invertedly disposed battery in said casing with its zinc electrode in contact with the centre contact aforesaid, a closing cap for the torch casing, switch mechanism located in said closing cap for making contact with the positive pole of the battery to complete and disrupt the electric circuit, said switch mechanism comprising an arm pivoted to the cap to make or break contact with the positive pole of said battery, the switch mechanism comprising a single piece switch arm pivoted within the cap, an arcuate slot in the cap, an operating knob carried by the switch arm and protruding externally of the cap and means carried by the switch arm to avoid movement of battery during the operation of the switch mechanism, said means comprising a rigid member projecting upwardly from the arm and engaging the positive pole of the battery; part of said member being of insulating material and part being of electric conducting material.

2,379,604
COATING COMPOSITIONS CONTAINING BENZYL CELLULOSE
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of New York
No Drawing. Application September 20, 1940, Serial No. 357,610
5 Claims. (Cl. 260—15)

1. A coating composition containing benzyl cellulose and a melamine-formaldehyde resin which has been reacted with an alcohol containing from four to six carbon atoms and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,605
BENZYL CELLULOSE COATING COMPOSITIONS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 20, 1940, Serial No. 357,611
4 Claims. (Cl. 260—15)

1. A coating composition containing one part of benzyl cellulose and not more than about an equal part of a melamine-formaldehyde resin which has been reacted with an alcohol selected from the group consisting of propyl and octyl alcohols wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,606
CYCLOPARAFFIN POLYMER COATING COMPOSITIONS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 25, 1940, Serial No. 358,282
4 Claims. (Cl. 260—42)

1. A coating composition containing a solid hydrocarbon polymer of the cycloparaffin type, obtained by hydrogenating a substance selected from the group consisting of coumarone polymers, indene polymers and mixed coumarone-indene polymers, and a melamine-formaldehyde resin which has been reacted with a butyl alcohol, wherein the molal ratio of formaldehyde to melamine is at least about 4:1 and wherein the ratio of melamine resin to hydrocarbon polymer is at least about 1:1.

2,379,607
COATING COMPOSITIONS CONTAINING CYCLOPARAFFIN TYPE POLYMERS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 25, 1940, Serial No. 358,283
4 Claims. (Cl. 260—42)

1. A coating composition containing solid hydrocarbon polymers of the cycloparaffin type, obtained by hydrogenating a substance selected from the group consisting of indene polymers, mixed indene-coumarone polymers and coumarone polymers, and a melamine-formaldehyde resin which has been reacted with a butyl alcohol wherein the molal ratio of formaldehyde to melamine is at least about 6:1 and wherein the ratio of melamine resin to hydrocarbon polymer is less than about 1:1.

2,379,608
COATING COMPOSITIONS CONTAINING CYCLOPARAFFIN TYPE POLYMERS AND OCTYLATED MELAMINE-FORMALDEHYDE RESINS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 25, 1940, Serial No. 358,284
4 Claims. (Cl. 260—42)

1. A coating composition containing solid hydrocarbon polymers of the cycloparaffin type obtained by hydrogenating a substance selected from the group consisting of indene polymers, mixed indene-coumarone polymers and coumarone polymers, and a melamine-formaldehyde resin which has been reacted with an octanol wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,609
COATING COMPOSITIONS CONTAINING COUMARONE-INDENE POLYMERS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 28, 1940, Serial No. 358,836
4 Claims. (Cl. 260—42)

1. A coating composition containing a hydrocarbon polymer having a melting point of about 115–135° C. selected from the group consisting of essentially indene polymers, essentially coumarone polymers, and coumarone-indene polymers and a melamine-formaldehyde resin which has been reacted with an alcohol selected from the group consisting of butyl alcohols and benzyl alcohol and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,610
COATING COMPOSITIONS CONTAINING HYDROCARBON POLYMERS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1940, Serial No. 359,896
4 Claims. (Cl. 260—42)

1. A coating composition containing an essentially indene polymer having a melting point of at least about 150° C. and not more than about 20% of a melamine-formaldehyde resin (total solids weight basis) which has been reacted with an aliphatic alcohol containing at least 4 carbon atoms and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,611
HYDROCARBON POLYMER-CONTAINING COATING COMPOSITIONS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1940, Serial No. 359,897
3 Claims. (Cl. 260—42)

1. A coating composition containing an essentially indene polymer having a melting point of at least about 150° C. and at least about 85% of a melamine-formaldehyde resin (total solids weight basis) which has been reacted with an aliphatic alcohol selected from the group consisting of butyl alcohols and octyl alcohols, and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

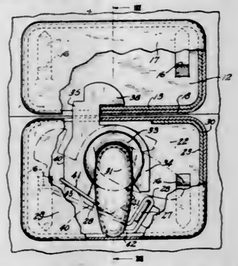
2,379,612
COATING COMPOSITIONS CONTAINING BENZYLATED MELAMINE - FORMALDEHYDE RESINS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1940, Serial No. 359,898
2 Claims. (Cl. 260—42)

1. A coating composition containing an essentially indene polymer having a melting point of at least about 150° C. and a melamine-formaldehyde resin which has been reacted with benzyl alcohol wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,379,613
LATCH
Berthold R. Thiele, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 27, 1944, Serial No. 528,283
6 Claims. (Cl. 292—103)

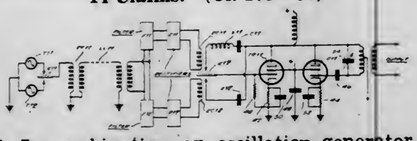
1. In a latch, a housing including a base and an apertured cover, the base having a pivot post struck therefrom to extend toward the cover,

and a latch bolt having a hub-like portion with a handle extending therefrom and with a flange extending therefrom, the assembly of the base



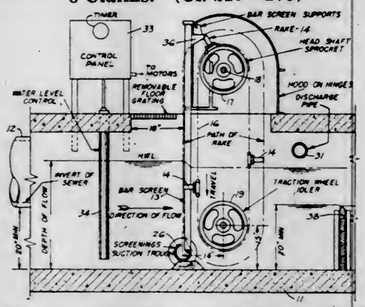
and the cover seating the bolt on the pivot post and holding the flange in contact with the cover with the handle extended through the cover aperture.

2,379,614
FREQUENCY MODULATION
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1942, Serial No. 436,423
14 Claims. (Cl. 178—66)



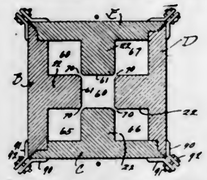
1. In combination, an oscillation generator, a reactance tube operatively associated with said generator, said reactance tube having an anode, a cathode and a control electrode, an inductive phase shifting reactance, a capacitive phase shifting reactance, an unbypassed resistor having a low value with respect to either of said reactances effectively connected between said control electrode and cathode, and a keying circuit for keying either the inductive reactance or the capacitive reactance selectively into circuit between said anode and control electrode.

2,379,615
SEWAGE SCREENING APPARATUS
James D. Walker, Aurora, Ill., assignor to The American Well Works, a corporation of Illinois
Application December 4, 1943, Serial No. 512,908
8 Claims. (Cl. 210—176)



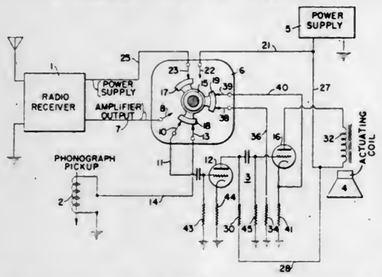
1. Sewage screening apparatus including a sewage channel through which a stream of sewage flows, a bar screen across the channel, a rake positioned on the down-stream side of the screen and extending through the screen, means for moving the rake along the screen, a suction trough having its opening adjacent the lower end of the movement of the rake along the screen, a cutting pump having its intake connected to the suction trough for drawing the screenings together with liquid sewage into the cutting pump, means for returning the discharge from said pump to the sewage channel at a point above the high water level therein, and a valve between the suction trough and the cutting pump.

2,379,616
MOLD
Robert L. Watson, McKeesport, Pa.
Application June 5, 1942, Serial No. 445,907
3 Claims. (Cl. 22—142)



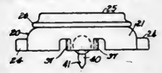
2. As an article of manufacture a mold comprising side walls, a top wall, a bottom wall, said side walls having spaced partitions rigid therewith intermediate the side margins thereof and projecting into the chamber of the mold, said spaced partitions having their inner surfaces facing together in spaced relation to provide a mold cavity, each of the partitions being spaced at each of their side surfaces from the adjacent inside surfaces of the facing side walls to define mold cavities, the partitions being relatively spaced from each other at their most adjacent points to define passageways intercommunicating the mold cavilites last mentioned with the first mentioned mold cavity whereby metal poured into the first mentioned mold cavity will flow uniformly into the other mold cavities and fill the same at the same time that the first mentioned cavity is being filled.

2,379,617
COMBINED RADIO AND PHONOGRAPH SYSTEM
Jules W. White and Louis A. G. ter Veen, Marion, Ind., assignors to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application July 24, 1942, Serial No. 452,226
6 Claims. (Cl. 179—100.11)



1. In combination, a first signal channel, a second signal channel, amplifier means for amplifying signals from either of said channels, a source of power connected to said amplifier means switch means for connecting said power source and said amplifier means to said first signal channel or said second signal channel to said amplifier, and means controlled by said switch for changing the output level of said amplifier means.

2,379,618
HOLE CUTTER FOR SHEET MATERIAL
John M. Abrams, Brooklyn, N. Y.
Application March 21, 1944, Serial No. 527,507
12 Claims. (Cl. 30—19)



1. A hole cutter, comprising a circular flanged frame having circumferential means for rotating the cutter manually and a central inturned portion, and a cutter-bearing element with separated cutters, said element being held within the frame and having a central portion to engage the inner end of said inturned portion of the frame, together with prongs secured to the central engaging portion and extending outwardly beyond the cutting plane of the cutters.

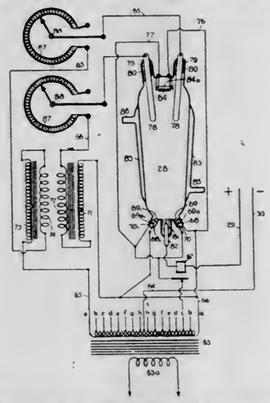
2,379,619
WRINGER
Earl L. Baker, Washington, D. C.
Application March 1, 1944, Serial No. 524,608
3 Claims. (Cl. 15—262)



1. In a wringer, a substantially rigid upright supporting structure including spaced-apart parallel vertical supports each having a longitudinal slot in its upper end portion, each slot being open at its upper end, a roller journaled by pintles at its opposite ends in the lower ends of said slots, a second roller arranged and adapted to coact with the first-mentioned roller in squeezing fabric placed between the rollers, said second-mentioned roller having pintles movable into and out of the open upper ends of slots of said supports and having means for the rotation of said second-mentioned roller, a mounting for said second-mentioned roller pivotally and longitudinally slidably connected to the lower end portion of each of said supports for pivotal and sliding movement thereon, and means for forcibly moving said mounting to move said second roller downwardly so as to cause compression of the fabric interposed between the carried roller and the opposed stationarily supported roller.

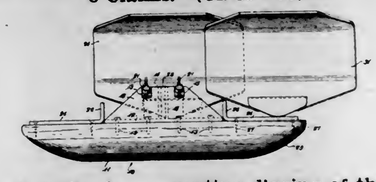
2,379,620
MERCURY VAPOR DISCHARGE DEVICE
Albert Frank Bowles and Harry M. Lipsius, Philadelphia, Pa.
Application March 12, 1942, Serial No. 434,934
4 Claims. (Cl. 250—27.5)

1. A mercury vapor discharge device comprising a sealed bulb, an anode projecting into said bulb, a mercury pool cathode disposed in said bulb opposite said anode at a distance therefrom sufficient to prevent arcback, means to connect said anode and cathode, respectively, to opposite terminals of a source of high potential current, an auxiliary relatively small mercury pool adjacent the mercury pool cathode, means for heating the mercury in said auxiliary pool to a temperature to cause evaporation of the mercury, an electron emitting element disposed at the anode end of the bulb and consisting of a coil of wire made of an alloy capable of emitting electrons



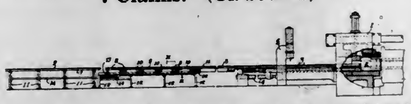
at high temperatures, means for connecting said electron emitting coil across a source of high intensity low voltage current, and means for breaking the circuit through said electron emitting coil as soon as a current flows from the anode to the cathode.

2,379,621
TRAIL SHOE ASSEMBLY
Adolph P. Buquor, Washington, D. C., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application August 23, 1943, Serial No. 499,666
8 Claims. (Cl. 89—40)



1. A device for preventing digging of the trail spade of an artillery gun trail into the ground during firing of the gun, said device comprising a member providing a lower surface having a substantial area for contact with the ground, said member having an upwardly directed slot in its upper portion for receiving the spade and means engaging the spade to releasably clamp said member to the gun trail.

2,379,622
ARTICLE HANDLING DEVICE
Edward Hugh Butler, West Lafayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1943, Serial No. 472,288
7 Claims. (Cl. 207—2)



7. In an extrusion apparatus, in combination, a press, a fixed table for receiving extruded shapes from said press, a mobile table unit nor-

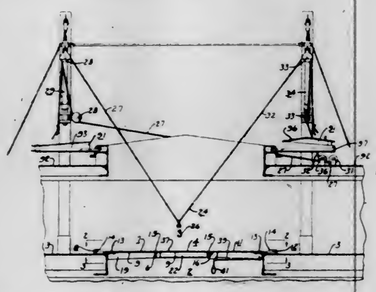
mally positioned in operative alignment between the press and the fixed table to preliminarily receive said shapes from said press, means for moving the mobile unit toward the fixed table, tracks each comprising a portion adapted to support said mobile unit in said normal position and an inclining portion adapted to guide said unit downwardly at a point in its movement toward said fixed table, and mountings supporting opposite ends of said unit for movement on different tracks, the point of downward inclination of each track being so spaced with linear reference to the inclination point of another track that the surface of said unit will remain in a plane parallel to the plane occupied by it in normal position during its lowering out of that position.

2,379,623

HATCH COVER CONSTRUCTION

Alvin R. Campbell, San Mateo, Calif.

Application June 29, 1942, Serial No. 448,981
5 Claims. (Cl. 114—203)



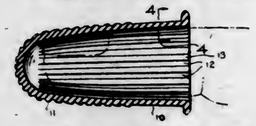
5. A hatch cover construction comprising a cover member for overlying a hatch opening in a deck structure, means hingedly connecting such member to the deck structure adjacent an edge of the hatch opening and providing a cantilever support therefor, another cover member for overlying the hatch opening, means hingedly connecting the latter cover member to the deck structure adjacent an opposite edge of the hatch opening and providing a cantilever support therefor, an additional cover member hingedly connected adjacent an edge thereof to the free edge of one of the first mentioned cover members so as to fold against such one member with its under side adjacent the under side of such one member, the edges of such cover members which are adapted to meet when the cover members are closed being inclined to provide a keystone support for the additional cover member and to cooperate with the other cantilever supported cover members to provide a self-supporting arch-type structure for the entire cover assembly, automatically operable latching means for holding the hingedly connected cover members in upright position when they are moved on their hinge connections to uncover the hatch opening, automatically operable latching means for holding the remaining cover member in upright position when it is moved on its hinge connection to uncover the hatch opening. and means on the upper side of the additional cover member adapted for connection to lifting means and which is located between the center of gravity of such cover member and its hinge connection so as to enable it and the cover member to which it is hingedly connected to fold toward each other during lifting of such members and to unfold away from each other during lowering of such members.

2,379,624

FINGER GUARD

John B. Chisnell, Barberton, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio

Application May 10, 1944, Serial No. 534,863
1 Claim. (Cl. 294—25)



A finger guard comprising a hollow elongated, one-piece imperforate casing of rubber or like flexible, resilient material, said casing being open at one end and adapted to be received on the finger, said casing being provided around the inner surface thereof with circumferentially spaced ribs defining grooves therebetween and extending longitudinally from said open end of the casing to substantially the length of the casing, said grooves being unrestricted along the lengths thereof and opening freely at said open end of the casing, the inside corners at the bottoms of said grooves being substantially sharp or without substantial fillets, whereby when the guard is received on the finger the skin will lie across the grooves and yet provide maximum continuous space along the grooves for free circulation of air along the same and through the ends thereof opening at said open end of the casing.

2,379,625

MANUFACTURE OF METHACRYLIC ACID

Loring Coes, Jr., Brookfield, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 16, 1940, Serial No. 352,935
4 Claims. (Cl. 260—531)

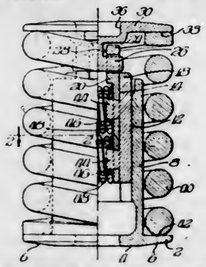
1. In the process of producing methacrylic acid, the steps comprising reacting beta methyl gamma keto butanol and a hypohalite from the group consisting of alkaline and alkaline earth metal hypohalites, in an aqueous medium and, thereafter, treating said reaction mixture with an acid dehydrating agent from the group consisting of concentrated hydrochloric, sulfuric and phosphoric acids.

2,379,626

SNUBBER

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application March 30, 1942, Serial No. 436,803
12 Claims. (Cl. 267—9)



1. In a friction device, spaced followers, a compression spring therebetween, one of said followers having an integral friction housing with a

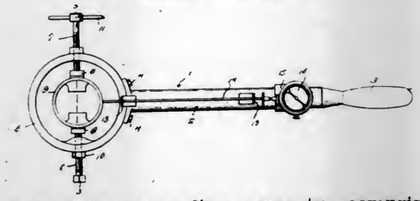
series of internal arcuate friction surfaces thereabout, certain of said surfaces being arranged along axes in planes substantially at right angles to each other, a pair of friction shoes selectively receivable in said housing to seat against opposed friction surfaces of either pair, resilient means under compression between said friction shoes, and means on the other of said followers for actuating said shoes, each of said friction shoes comprising a steel plate connected to the actuating follower and an iron portion integrally cast thereto for frictional engagement with said housing, each of the friction surfaces on said housing being defined by a radius substantially shorter than the internal radius of said housing.

2,379,627

PISTON EXPANDING MACHINE

Alto J. Davis, Montgomery, Ala.

Application July 18, 1944, Serial No. 545,510
4 Claims. (Cl. 263—4)



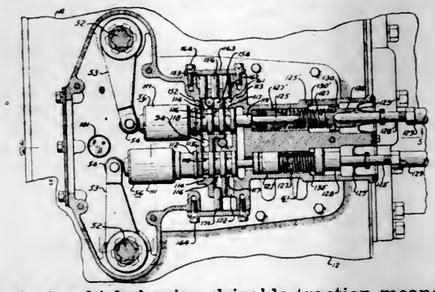
1. A piston expanding apparatus comprising, in combination, an oven, heating means in the oven, an annular rest in the oven above said heating means, a ring removably mounted on the rest, and means for securing a piston in said ring over the heating means.

2,379,628

STEERING BY DRIVING

Harmon S. Eberhard, Peoria, Ill., and George W. Lewis, Cedar Rapids, Iowa, assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application November 16, 1940, Serial No. 365,980
8 Claims. (Cl. 180—9.2)



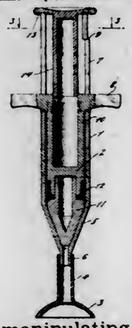
5. A vehicle having drivable traction means at each side thereof; an engine for driving the traction means; releasable drive establishing means interposed in the drive to each of the traction means to enable steering of the vehicle by control thereof; and hydraulic mechanism for controlling the drive establishing means comprising a manually manipulatable control lever associated with each of the drive establishing means, and an axially movable connection including a plurality of axially alined parts movable in a straight line path between each of the control levers and the drive establishing means associated therewith enabling manual control of the associated drive establishing means by manipulation of the associated control lever upon lack of hydraulic power.

2,379,629

DEVICE FOR MANIPULATING CONTACT LENSES

Eric W. Eweson, New York, N. Y.

Application October 13, 1943, Serial No. 506,086
1 Claim. (Cl. 294—64)



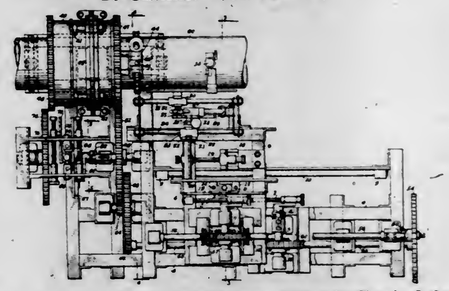
A device for manipulating contact lenses which comprises a cylinder and piston, said cylinder having longitudinal slots and said piston having projections extending through said slots, said slots having shoulders adapted to engage said projections to lock said piston at the end of its suction creating stroke.

2,379,630

PIPE-CUTTING MACHINE

John Francis Fall, New Paltz, N. Y.

Application April 7, 1941, Serial No. 387,152
10 Claims. (Cl. 33—21)



1. In a machine of the character indicated for cutting a pipe to be joined to another pipe, means for angularly moving a pipe, a tool, means for constraining said tool to move in a straight line parallel to the axis of the pipe to be cut, a frame constrained to move in a straight line parallel to the axis of the pipe to be cut, crank means acting directly on a part of said frame means for moving said frame means, and crank means mounted on said frame for moving said tool relatively thereto.

2,379,631

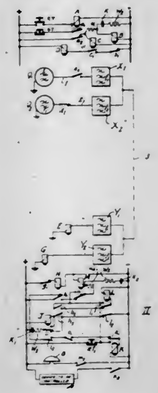
REMOTE CONTROL INSTALLATION

Leonhard Finckh, Geneva, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland

Application July 5, 1941, Serial No. 401,237
In Switzerland July 5, 1940
2 Claims. (Cl. 177—353)

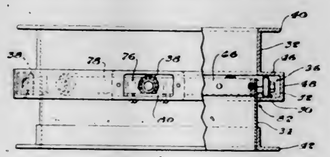
1. In a remote control apparatus, adapted for actuation by alternating current impulses of different frequencies, one a normally sustained current interrupted for a determined period to vary its action and the other a current produced during such period of interruption of the sustained

current, a receiver including in combination a signal circuit, a pair of primary relays, one being normally energized by the sustained current impulses of one of the frequencies and deenergized during the period of interruption thereof and the other being normally deenergized and adapted to be energized by the impulses of the current of the other frequency, said signal circuit being normally open, and means for closing the signal circuit when the relays are respectively deenergized and energized in timed order governed by the interruption period, said means including a normally



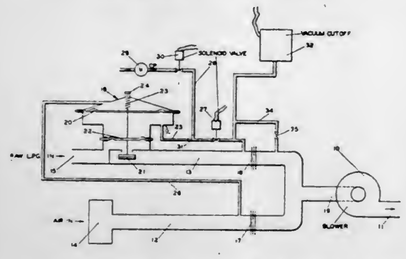
open circuit normally disconnected from the signal circuit, a contact operated when the second named primary relay is energized to partly close and render said normally open circuit operative when closed, and a system of circuits adapted to be energized when the first named primary relay is deenergized and having controlling relays therein for closing the normally open circuit and connecting it with the signal circuit during a period of time governed by and corresponding to the time period of interruption of the sustained current impulses.

2,379,632
DUCT SYSTEM
Francis W. Foisy, Brighton, Mass., assignor to Delbrook Ventilating Co., Cambridge, Mass., a corporation of Massachusetts
Application December 10, 1942, Serial No. 468,471
3 Claims. (Cl. 285—97.3)



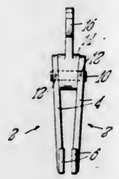
1. In a ventilator conduit of the type composed of a plurality of connected metal pipe sections, the combination of an upper pipe section, a lower pipe section and a swivel unit interposed between and secured to said upper and lower pipe sections, said swivel unit comprising an upper sleeve secured to the lower end of the upper pipe section and of substantially the diameter thereof, said sleeve having a U-shaped circular track portion at its lower end extended radially outwardly therefrom with the open mouth of the U-shaped portion disposed inwardly, a second sleeve secured to the upper end of the lower ventilator pipe section and of substantially the diameter of the upper sleeve, said second sleeve having its upper end disposed in a plane common to said U-shaped track and carrying a series of circumferentially spaced rollers received in said track and having their axes disposed perpendicular to the axis of said second sleeve whereby to rotatably suspend said second sleeve and its associated ventilator pipe section with respect to said upper sleeve and its associated ventilator pipe section.

2,379,633
GAS PROPORTIONING SYSTEM
Owen L. Garretson, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 1, 1942, Serial No. 441,348
18 Claims. (Cl. 48—184)



1. In an air-gas proportioning machine of the blower-dilutor type, the combination of: an electrical prime mover selectively associated with a source of electrical energy for driving the said blower; a pair of fixed orifices respectively associated with an air intake and a raw gas intake of the blower; a normally closed zero regulator controlling the inlet pressure to the gas orifice and arranged to be opened by operation of the blower; a separate pressure source adapted to load the zero governor to closed position; a pair of solenoid-actuated valves selectively associated with said electrical energy source and operative to apply said pressure loading when de-energized, and pressure-actuated switching means operatively associated with the outlet of said zero regulator to de-energize said prime mover and said solenoid valves when the outlet pressure from the zero regulator attains a predetermined minimum value.

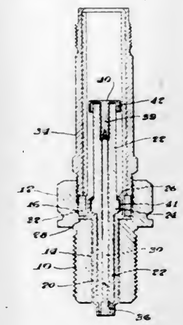
2,379,634
TROUSER HANGER
Lewis H. Hall, Springfield, Mass.
Application July 17, 1944, Serial No. 545,244
2 Claims. (Cl. 223—96)



1. A trousers hanger comprising in combination, a longitudinal pivot member, a pair of clamp members having upper portions pivoted to said pivot member on spaced axes that extend through the longitudinal axis of the pivot member providing lower free ends, said clamp

members being swingable on said pivot member whereby the lower ends thereof may assume a separated open position or a closely adjacent closed position, a wedge member between the clamp members rotatable on the pivot member through 360 degrees between open and closed positions of the free ends of said clamp members, said wedge member having opposite side faces acting on adjacent inner faces of the upper portions of the clamp members that converge downwardly from upper to lower sides of said member when it is in the closed position of the clamp members, all adapted and arranged whereby said wedge member may be rotated in opposite direction from said closed position of the clamp members to the open position thereof to move said clamp members to open position thereof and vice versa to closed postion of the clamp members.

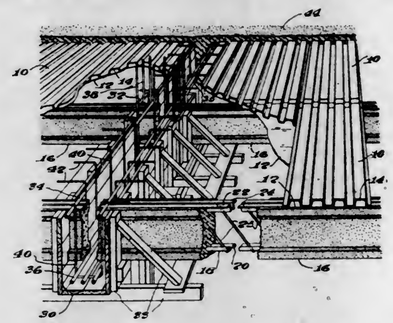
2,379,635
FLUIDTIGHT SEAL
Arthur C. Hastings, Jr., South Yarmouth, Mass.
Application April 30, 1943, Serial No. 485,174
15 Claims. (Cl. 123—169)



1. In a spark plug having a body portion comprising a metal shell forming the outer electrode provided with a longitudinal bore, a ceramic insulator within the bore, and a central electrode within the insulator, means forming a fluid-tight seal between the insulator and the outer and inner electrodes comprising a fused silver chloride seal bonded to portions of the insulator and outer and inner electrodes, the portion of the electrodes to which the silver chloride is bonded being silver-plated.

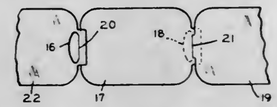
2,379,636
METHOD OF MAKING REINFORCED CONCRETE BUILDINGS
Arthur W. Hedgren, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 17, 1941, Serial No. 415,393
2 Claims. (Cl. 72—70)

1. In the method of constructing a reinforced concrete building having a metal flooring provided with a concrete top fill, the steps comprising erecting forms for the frame structure including the forms for the columns and girders, placing prefabricated concrete floor supporting joists having a metallic floor supporting member in their upper surfaces with their ends supported by and extended within said forms, erecting a metallic flooring upon and extending over said floor supporting joists, welding said metallic flooring to the said metallic floor supporting members of said prefabricated joists, and then pouring the concrete mixture to fill said forms



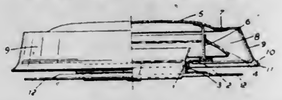
and to provide the concrete top fill for said floor in a continuous operation.

2,379,637
CARD ASSEMBLY
Alfred A. Hoffmann, Rochester, N. Y.
Application February 19, 1943, Serial No. 476,471
3 Claims. (Cl. 281—5)



1. A unit of a chain of greeting cards or the like comprising a member formed of sheet material, an integrally formed projection extending outwardly from one side of said member, said projection having re-entrant portions, the opposite side of said member having a projecting part provided with a slot substantially in alignment with the edges of the opposite side, whereby a plurality of said members may be hingedly connected to form a chain by inserting the projections of the members in the respectively adjacent slots with the re-entrant portions engaging the sides of the slots.

2,379,638
EXTRACTOR VENTILATOR
Benjamin Donald Hughes and Ernest Leonard Ford, Wembley, England
Application January 12, 1943, Serial No. 472,116
In Great Britain January 22, 1942
8 Claims. (Cl. 98—84)



1. An extractor ventilator comprising in combination a short stack pipe having a flared upper end, a base plate secured to said stack pipe, a dome shaped element arranged above said stack pipe, a shallow dish shaped element, the peripheral edge of which is reversely curved, arranged above said dome shaped element, at least one deflector surge plate surrounding said stack pipe for cooperation with the reversely curved edge of said dish-shaped element to cause an outward deflection of the air flow, deflector means surrounding said elements and a plurality of brackets and spacing members for supporting the several elements and parts relatively to each other.

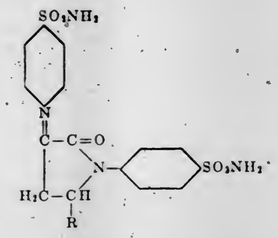
2,379,639

1 - (4 - SULPHAMYLPHENYL) - 3- (4 - SULPHAMYLPHENYLIMINO) -5-ARYL-2-PYRROLIDONE

Martin Everett Hultquist, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 26, 1942, Serial No. 456.265
6 Claims. (Cl. 260—239.6)

1. A 1-(4-sulphamylphenyl)-3-(4-sulphamylphenylimino)-5-aryl-2-pyrrolidone having the following formula:



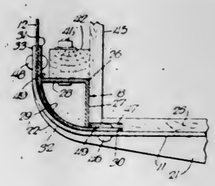
in which R is a monocyclic aryl radical of the benzene series.

2,379,640

VEHICLE FRAMING POST CONSTRUCTION

Iver Johnsen, Jr., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application June 27, 1942, Serial No. 448,820
5 Claims. (Cl. 105—410)



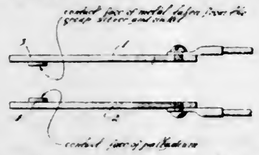
1. In a railway car framing structure including an end sill member, a side sill member, an end plate member and a side plate member, a unitary corner post structurally connecting all of said framing members comprising a sub-assembly including an inner member and an outer member, said inner member comprising an angle member the legs of which are disposed at a right angle to each other and said inner member being arranged in opposed relation to the outer member, said outer member being formed on an arc and secured to the edges of the respective legs of the inner member to provide an integrated hollow box section structure having flanges extending from the outer member beyond the edges of the legs of the inner member in directions at right angles to each other to provide wall attaching means, side wall sheathing secured to the outer surface of one of said flanges, and a car end wall separate from each of said inner and outer members secured to the other of said flanges and extending around said corner post in overlapping relationship to said sheathing and secured to the outer surface of said sheathing and to said first named flange.

2,379,641

ELECTRICAL CONTACT ELEMENT

Christian William Keitel, East Orange, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey

Application July 21, 1942, Serial No. 451,761
4 Claims. (Cl. 200—166)



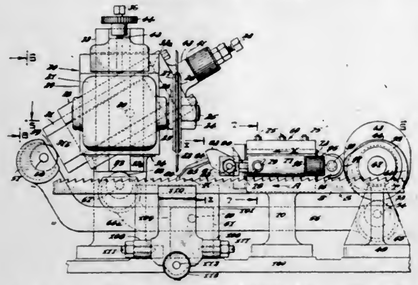
1. Electrical contact system for making and breaking electric current, comprising a pair of cooperating electrical contacts positioned opposite each other wherein one such electrical contact has a contact face of metal taken from the group silver and nickel, and the other electrical contact has a contact face of palladium.

2,379,642

SAW GRINDING DEVICE

Paul Kiechle, New York, N. Y.

Application October 14, 1943, Serial No. 506,208
4 Claims. (Cl. 76—41)



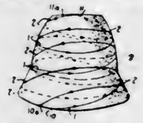
3. In a device of the character described, a motor driven cutter disk assembly comprising a vertically disposed support, a vertically reciprocal turret mounted on said support, an angularly slidable member mounted on said turret, a motor driven cutter disk mounted on said angularly slidable member, and means timed to successively move said turret and angularly slidable member whereby the cutter disk operates successively in several planes.

2,379,643

FINISHING TREATMENT FOR FELT AND FELT HAT BODIES

Egon Loy, New York, N. Y., assignor to Loy Corporation, New York, N. Y., a corporation of New York

Original application April 8, 1941, Serial No. 387,380, now Patent No. 2,337,758, dated December 28, 1943. Divided and this application September 13, 1943, Serial No. 502,119
5 Claims. (Cl. 223—20)



1. A method of applying a finishing treatment to the surface of felt, such as a felt hat body, which consists in moving said hat body with its surface relatively to and against rotating means provided with shark skin covering, whereby to produce a finishing effect on said surface in a predetermined manner.

2,379,644

RIBOFLAVIN SOLUTION

Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company

No Drawing. Application July 15, 1943, Serial No. 494,849
4 Claims. (Cl. 167—81)

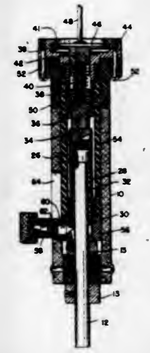
2. An aqueous liver solution containing riboflavin, the liver solids content being at least 200 mg. per cc. and the riboflavin content in excess of the water solubility of riboflavin.

2,379,645

WELDING TOOL

George C. Morris, Seattle, Wash.

Application November 17, 1943, Serial No. 510,627
4 Claims. (Cl. 219—4)



1. A welding tool for pins having heads, comprising: a tubular handle having a conductor bar anchored therein to be coupled with a welding lead, the inner end of said bar having an enlarged head, a non-conductive sleeve slidable in said handle surrounding said bar inner end and including electro-conductive means for gripping such a pin by its head, a conductor sleeve telescopically mounted on said bar in contact with said gripping means, spring means between the enlarged head of said bar and said conductor sleeve to normally maintain the sleeve telescoped with respect to said bar, and a spring pressed detent between said conductor sleeve and said non-conductive sleeve operable upon movement of said handle relative to said non-conductive sleeve to restrain said conductor sleeve and store energy in said spring until said stored energy overcomes the restraining action of the detent whereupon the conductor sleeve is rapidly withdrawn from contact with the gripping means.

2,379,646

METHOD OF PREPARING NONTURBID HOMOGENEOUS SOLUTIONS AND DISPERSIONS OF COLLOIDS AND PRODUCTS SO PREPARED

Fritz W. H. Mueller, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 20, 1940, Serial No. 357,608
15 Claims. (Cl. 106—205)

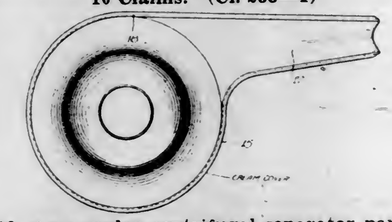
1. A process for conditioning carbohydrate-containing gums for use in forming non-turbid photographic layers which comprises adding to an aqueous solution or dispersion of such gums an amount of a water-soluble water-softening agent sufficient to effectively convert the alkaline earth metal salt thereof into water-soluble salts.

2,379,647

CENTRIFUGAL SEPARATOR PAN

Richard W. Muerle, Springfield, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois

Application December 8, 1941, Serial No. 422,028
10 Claims. (Cl. 233—1)



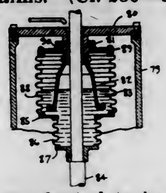
10. An annular centrifugal separator pan and open top channel spout formed from a single integral sheet of metal, said pan portion comprising an annular open top trough, the edge of the inner wall of which defines an aperture to receive the centrifuge discharge device, and the outer wall of which is circular and discontinuous at the spout, and merges continuously and without break with the side walls of the channel walls of said spout.

2,379,648

SEALED SUBMERSIBLE STRUCTURE

Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Original application November 22, 1937, Serial No. 175,896, now Patent No. 2,309,707, dated February 2, 1943. Divided and this application April 21, 1942, Serial No. 439,813
11 Claims. (Cl. 286—9)



1. In a structure adapted to be submerged in well liquid, a casing, a shaft extending out of the casing, a rotary cup carried by the shaft, sealing liquid in the cup, a stationary member carried by the casing and surrounding the shaft, said member extending below the surface of the sealing liquid and forming with the sealing liquid a seal spaced from the shaft, and non-rotary means cooperating with the cup to prevent relative lateral movement between the cup and the member.

2,379,649

KNIT FABRIC AND METHOD OF MAKING THE SAME

Max Nebel, Chemnitz, Germany; vested in the Alien Property Custodian

Application September 16, 1937, Serial No. 164,119½. In Germany September 14, 1936
7 Claims. (Cl. 66—169)

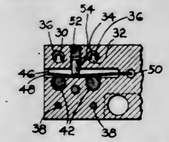
1. A knit fabric, comprising compound needle loops formed from threads extending in a course-

wise direction of the fabric, each of said compound loops formed from a first loop having at least one comparatively short shank, and a second coinciding loop having at least one elongated shank; the apices of the compound loops being alined in a coursewise direction along successive



parallel straight lines, the long shanks of adjacent compound loops which are disposed along the same line intersecting each other, said intersecting shanks respectively forming continuations of laterally disposed short shank loops situated along a preceding straight line.

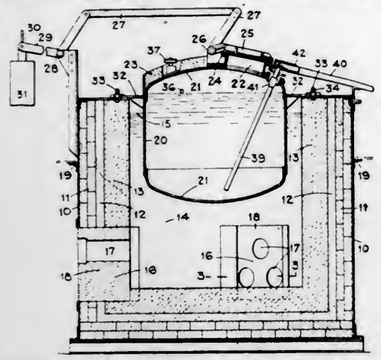
2,379,650
AUTOMATIC THREADING SHUTTLE
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 13, 1944, Serial No. 535,451
7 Claims. (Cl. 139—217)



1. An automatically threading loom shuttle having a cavity for a filling carrier, a threading block having a longitudinally extending thread passage in alinement with said cavity, tension means in said passage comprising pairs of opposed friction members extending transversely of said thread passage, means associated with each of said pairs of friction members for yieldingly pressing said friction members of each pair together, means for separately adjusting the pressure of each of said pairs of pressing means, and a common locking means engaging said adjusting means, and a single member engaging said common locking means for locking said adjusting means in adjusted position.

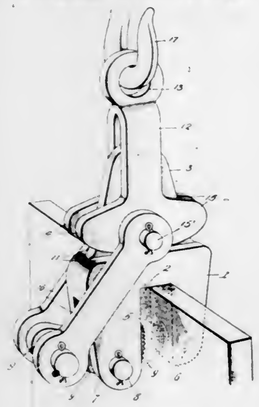
2,379,651
ELECTRIC RESISTOR FURNACE FOR THE HEATING AND MELTING OF METALS
Percy Pritchard, Wootton Wawen, England
Application February 8, 1944, Serial No. 521,554
In Great Britain December 2, 1942
5 Claims. (Cl. 13—23)

1. Electric furnace for the heating and melting of light metal, comprising a furnace chamber adapted to be charged with a fused salt which acts as a resistor to the passage of an alternating current, means in the wall of the furnace chamber for mounting electrodes therein to supply alternating current to the salt, a closed vessel within the chamber and adapted to be principally but not entirely submerged in the salt therein, a closure for the top of the chamber around said vessel having therein means for feeding salt thereto, said vessel having a charging opening therein for the introduction of light metal, a closure for said opening, a movable pipe within the vessel extending from the lower part to the outside, a tapping means for the molten metal to which tapping means the pipe delivers metal when pressure is applied to the interior of the vessel, the closure for the charging opening, the delivery pipe, and



the tapping means being so arranged that the closure cannot be opened until the delivery pipe is moved out of the path of the metal charged into the vessel through the opening.

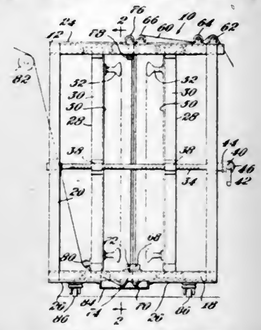
2,379,652
ECCENTRIC TYPE STEEL PLATE LIFTING CLAMP
Joseph C. Renfroe, Jacksonville, Fla.
Application July 10, 1944, Serial No. 544,244
5 Claims. (Cl. 294—104)



5. A steel plate lifting clamp including a body having a fixed jaw and a pivoted jaw, spaced bearing surfaces formed on the clamp body, a shackle slidably mounted on the clamp body and formed with oppositely disposed cams for riding on the bearing surfaces, and links connecting said pivoted jaw and shackle for causing the pivoted jaw to engage a steel plate when in position within the clamp.

2,379,653
CARBONIZING CLOTH
Walter Ridley, Chelmsford, Mass., assignor to Riggs & Lombard, Inc., Lowell, Mass., a corporation of Massachusetts
Continuation of application Serial No. 416,598, October 25, 1941. This application April 24, 1943, Serial No. 484,428
4 Claims. (Cl. 8—140)

3. Method of carbonizing cloth made from wool or other animal fibers but containing vegetable impurities and wherein the previously acidulated and substantially dry cloth is subjected to a carbonizing treatment for a period of from 10 to 15 seconds only, characterized in that the vegetable impurities are raised to a carbonizing tempera-

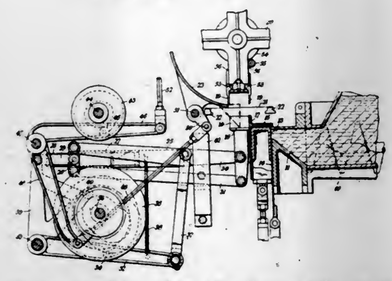


ture of the order of 550° to 600° F. by subjecting them to infrared heat rays while concomitantly maintaining the body of the cloth at a temperature below that which would volatilize its natural oils.

2,379,654
PROCESS OF DESULPHURIZING HYDROCARBONS
Leslie W. Royer, Pawhuska, Okla., assignor to Skelly Oil Company, Tulsa, Okla.
No Drawing. Application December 3, 1941, Serial No. 421,527
6 Claims. (Cl. 196—27)

1. A process of desulphurizing liquid hydrocarbon distillates which comprises passing the distillate in vapor phase through a bed of a catalyst consisting of carbon containing alkaline material at temperatures ranging from 572° F. to 875° F., pressure sufficient to condense the distillate upon cooling, and for a time sufficient to completely convert the mercaptans and a substantial portion of other organic sulphur combinations to hydrogen sulphide, and subsequently removing from said distillate the hydrogen sulphide generated in such vapor phase treatment.

2,379,655
MACHINE FOR WRAPPING PLASTIC MATERIALS
Alexander Russell, Matthew Parker, and Richard Anson Harris, Leeds, England, assignors to The Forgrove Machinery Company Limited, Leeds, England, a company of Great Britain
Application March 9, 1944, Serial No. 525,685
In Great Britain May 5, 1943
6 Claims. (Cl. 93—2)

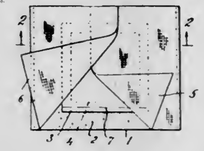


1. In a machine for shaping and wrapping plastic materials, having an extrusion device for forming the plastic material into shaped blocks and a wrapping wheel for wrapping the blocks so formed, the combination with the wrapping wheel of a lifting plunger for receiving said blocks from the extrusion device and delivering them in succession, each with a wrapper, to a wrapping wheel, and operating gear for moving the lifting plunger in a triangular path, consisting of an upward lifting movement, then a substantially horizontal movement to slide said plunger clear of the block held in the wrapping wheel, and finally a diagonal return movement to the down position.

2,379,656
CATALYTIC POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Application August 23, 1940, Serial No. 353,985
10 Claims. (Cl. 260—93)

1. In the catalytic polymerization of isobutene, the step including contacting said isobutene at a temperature below 0° C. with a catalyst comprising a boron halide complex exhibiting an equilibrium dissociation pressure of at least 5 mm. at —70° C.

2,379,657
PACKAGE
Gustaf Henrik Ryberg, Brooklyn, N. Y., assignor to Ryco Laboratories, Inc., New York, N. Y., a corporation of New York
Application August 22, 1942, Serial No. 455,794
1 Claim. (Cl. 206—63.2)

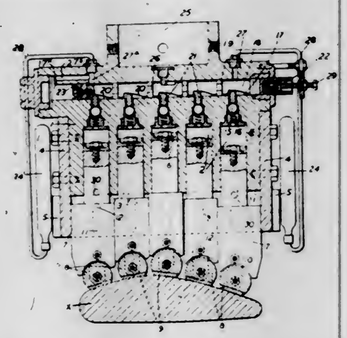


A package comprising an hermetically sealed, impervious envelope containing a wet medical pad saturated with liquid medicament, an adhesive backing secured to the back of the envelope and extending beyond the envelope and a protective and removable fabric coating for such extended portions of the adhesive backing, the pad being maintained in a wet state by the impervious envelope prior to use, and the envelope and adhesive fabric being adapted, when the protective fabric is removed and when the pad is removed from the envelope and applied as a dressing, to keep the dressing wet and from sticking to the tissues so that it can easily be removed without injury thereto.

2,379,658
AUTOMATIC PRESS TOOL FOR STRAIGHTENING OR BENDING
Frank Stanley Saunders, Cardiff, South Wales
Application February 15, 1943, Serial No. 475,922
In Great Britain May 1, 1941
5 Claims. (Cl. 153—51)

1. An automatic press tool for connection to the ram of a hydraulic press for straightening and bending, comprising a block element furnished with a plurality of cylinders, a piston slidably mounted in each cylinder each of said pistons being free to take up a position in its cylinder according to the contour of the surface being acted on, a valve at the head of each cylinder, means mechanically actuated for simultaneously

opening and maintaining all said valves in the open position and means automatically actuated for simultaneously closing and maintaining all



said valves in the closed position, the pistons being thereby locked against further independent movement.

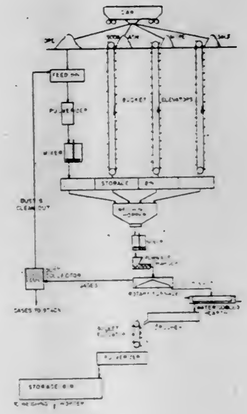
2,379,659

REFINING OF COBALT ORES

Robert B. Schaal, Independence, Ohio, assignor to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio

Application December 24, 1940, Serial No. 371,509

14 Claims. (Cl. 75—82)



1. In a method of refining cobalt ore, the steps which comprise forming a mixture of the ore with salt, soda, and nitre, and subjecting such mixture to a temperature of from about 1200° F. to 1300° F. to fuse the same.

2,379,660

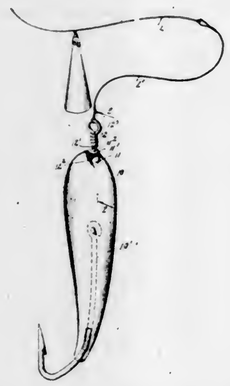
TROLLING SPOON

William Schmitz, Miami, Fla.

Application June 8, 1944, Serial No. 539,253

2 Claims. (Cl. 43—45)

1. A trolling spoon of concave formation having a depression at its forward end providing a socket, having a forward wall with an opening therein, a member projecting through the opening and capable of swiveling therein, and means on said member for permanently coupling it to said spoon and positioned in said depression, said



member having means thereon for the attachment to a line or leader.

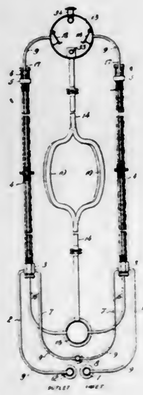
2,379,661

HIGH-PRESSURE STEAM GENERATOR

Leslie E. Sebald, Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware

Application June 7, 1939, Serial No. 277,788

5 Claims. (Cl. 122—32)



1. A water tube boiler heated by a hot fluid circulating medium comprising a steam drum, a mud drum, downcomer tubes descending from said steam drum to said mud drum, steaming tubes rising from said mud drum to said steam drum, a heating medium intake manifold, a heating medium outlet manifold, tubes for circulating the heating medium from said intake manifold to said outlet manifold, and metal members structurally connecting said heating tubes with said steaming tubes for a portion of their respective lengths and transferring heat from said heating tubes to said steaming tubes, said downcomer tubes, heating tubes, and steaming tubes being separately provided with means for relieving expansion stresses therein.

2,379,662

PROCESS FOR TREATING CRUDE PINE TAR

Wiley C. Smith, Arlington, Va., assignor to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office

No Drawing. Application October 4, 1944, Serial No. 557,212

3 Claims. (Cl. 260—107)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for treating crude kiln pine tar containing impurities in aqueous solution to produce a substantially water-free refined product, comprising diluting the tar with a solvent to form a solution with the tar having a specific gravity different from the aqueous solution, said solvent having a solubility in water of less than 1 percent by volume and a maximum boiling point of not exceeding about 175° C., then agitating the mass, separating the diluted tar from the aqueous solution, then heating the diluted tar to a temperature of about 100° to 170° C. to drive off the solvent and dissolved water, and recovering the residue.

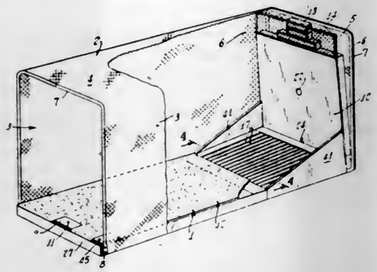
2,379,663

GOLF PLAYING APPARATUS

William A. Smith, East Orange, N. J.

Application March 19, 1942, Serial No. 435,283

8 Claims. (Cl. 273—35)



1. A golf game apparatus including an upright target comprising enclosing sides and back filled with padding material, said target presenting a front impact surface composed of pliant material; a cushion extending forwardly from the foot of the target and presenting a forwardly and downwardly sloping top surface of pliant material; downwardly inclined runways contacting with and reaching forwardly from the cushion; and a base member communicating with and stretching forwardly from the runways and formed with a bottom, enclosing side walls and a top.

2,379,664

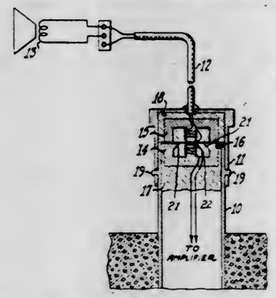
ELECTRICAL CONNECTOR FOR LOUDSPEAKERS AND THE LIKE

Edward Stanko, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 29, 1942, Serial No. 456,592

1 Claim. (Cl. 175—361)

A closed core transformer including a core comprising two discrete halves, each of said core halves comprising a magnetic structure having a pair of oppositely located upstanding pole pieces, a hermetically sealed casing in which one of said core halves is contained, the pole pieces of said one of said core halves having inwardly extending portions defining an air gap of relatively low reluctance within said casing, and means for removably mounting the other of said core halves upon said casing with its pole pieces



in register with and magnetically coupled through said casing with the pole pieces of said encased halves of said core.

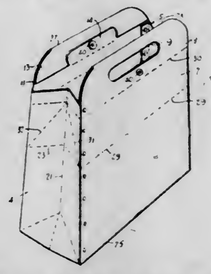
2,379,665

FOLDING BOX

Noah Stone, New York, N. Y., assignor to Syndicate Products Co., New York, N. Y., a partnership

Application June 7, 1943, Serial No. 489,876

2 Claims. (Cl. 229—41)



1. A blank for folding into a lunch box and the like, comprising two main panels joined by an intermediate panel destined to be the bottom of said box, a side flap extending laterally from each of said main panels, said side flaps having tabs adapted to be bent at right angles thereto and to be disposed against and secured to said intermediate panel, marginal flaps on said side flaps adapted to be bent at right angles and to be disposed in lapping relation to and to be secured to said main panels, and vertically spaced-apart upper and lower scored triangles on said side flaps to facilitate infolding of the side flaps, said side flaps and bottom being scored medially and in a plane, when in boxed-up form, to enable the latter to be collapsed by infolding into substantially flat form.

2,379,666

COIL WINDING MACHINE AND METHOD OF MAKING WIRE COILS

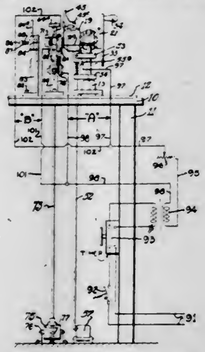
Alexander G. Swartz and Francis K. Moore, Chicago, Ill., assignors to Albert Specialty Company, Chicago, Ill., a corporation of Illinois

Application November 2, 1943, Serial No. 508,714

16 Claims. (Cl. 242—9)

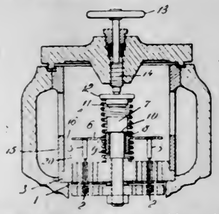
1. The method of coiling wire upon a plastic spool and securing the coiled wire to the spool by fusion, including the steps of rotating the spool to coil the wire upon the spool, engaging and re-

taining a portion of the wire while applying slight pressure to the retained portion of the wire, and closing an electric circuit through said wire to



partially embed said retained portion of the wire in the spool by fusion of a portion of the spool thereat.

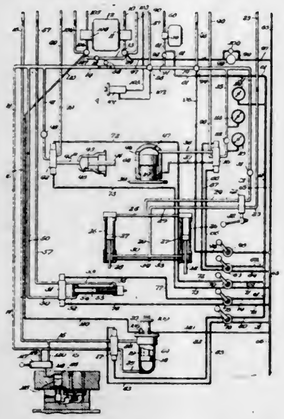
2,379,667
DEVICE FOR REGULATING THE DELIVERY OF RECIPROCATING COMPRESSORS
Fritz Vollmer, Zurich, Switzerland
Application August 10, 1943, Serial No. 498,040
7 Claims. (Cl. 251—119)



1. Suction valve for regulating the delivery of reciprocating compressors which comprises an exterior housing, a valve casing mounted in the housing with a space between the housing and the casing for the flow of gas, a valve seat arranged transversely across the valve casing, passages in the valve seat, a valve plate with resilient closing means pressing the valve plate against the valve seat, a valve-plate actuating member slidably supported within the casing, spring means opposing the movement of the valve-plate actuating member in both directions from a certain position, means on the valve-plate actuating member for moving the valve plate away from its seat to open the passages in the valve seat for the flow of gases therethrough in one direction, means for adjusting the springs opposing the movement of the valve-plate actuating member to cause it to respond to different gas pressures, and means providing a restricted gap between the valve-plate actuating member and the valve casing for the flow of gas therethrough in the opposite direction.

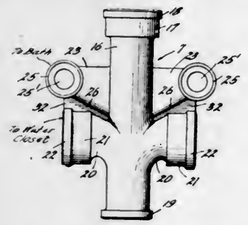
2,379,668
HYDRAULIC CIRCUIT FOR PRESSES
George W. Wacker, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Original application March 5, 1941, Serial No. 381,841. Divided and this application October 10, 1941, Serial No. 414,497
14 Claims. (Cl. 60—97)

14. An hydraulic main circuit for operating a press, said press embodying a plurality of movable members, a source of fluid supply, a pump of relatively large capacity adapted to supply fluid under pressure to said circuit to impart motion to said members, and normally by-passed to said source at negligible pressure regardless of said circuit pressure, a pump of relatively small capacity, a pilot circuit in which the last said pump is included, said pilot circuit continuously supplying fluid under pressure to the main circuit to impart steady pressure upon said



members and to selectively operate said members, means embodying mechanism manually controlled and operable at will to direct the fluid supplied by the large pump into the main circuit, and timing mechanism automatically controlled and operable in conjunction with said means to again divert said fluid flow from the main circuit to the source, the said means being also operable to simultaneously control the supply of fluid to said movable members.

2,379,669
FITTING FOR PLUMBING SYSTEMS
Frederick A. Warren, Atlanta, Ga.
Application August 11, 1941, Serial No. 406,359
5 Claims. (Cl. 285—210)

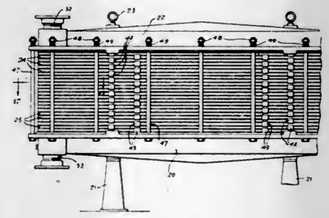


1. A gang fitting of the character described adapted to be inserted in the length and to form a continuation of a waste stack comprising a hollow stem portion, bath and closet branches extending from the stem portion and in spaced relation, that portion of the stem disposed above the bath branch acting therewith as a vent to prevent siphonage of the bath trap, said branches terminating in bath and closet inlets, said bath branch being formed with a horizontal and inclined wall portion forming a downwardly and outwardly flared passage opening into the stem portion whereby to provide superimposed paths for air and water.

2,379,670
REMOVAL OF ACETYLENE FROM GASES
Charles E. Welling and Harold J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 24, 1942, Serial No. 428,120
3 Claims. (Cl. 260—677)

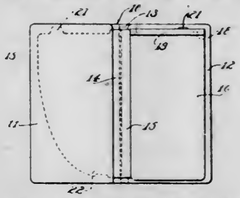
1. A process for treating a normally gaseous mixture containing olefins, free hydrogen and a minor amount of acetylene to hydrogenate said acetylene without appreciable hydrogenation of said olefins, which comprises passing said mixture at a temperature between 100 and 400° C. under a superatmospheric pressure into contact with a steel of large surface containing between 16 and 25 per cent chromium and not more than about 12 per cent nickel for a time sufficient to effect substantially complete removal of said acetylene, said olefins remaining substantially unreacted.

2,379,671
HEAT EXCHANGER
Arthur Vivian Wetherby-Williams, New York, N. Y., assignor to Walker-Wallace, Incorporated, Buffalo, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,800
1 Claim. (Cl. 257—245)



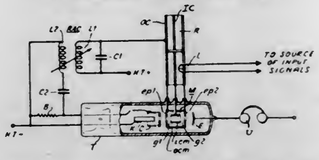
A heat exchanger comprising a series of alternately arranged dividing sheets and spacer frames having substantially rectangular open centers, a removable grid in each frame of substantially the same thickness as the frame in which it is located and of the same length as the interior of the same to contact the ends of the frame, each grid being formed of a series of spaced straight strips arranged substantially perpendicular to the dividing sheets and parallel to the sides of the frame to divide the space between each pair of dividing sheets into a series of parallel channels, the alternate ends of the strips being cut away to permit zig-zag flow of fluid from one channel to the next across the grid, a sheet of substantially incompressible packing arranged on each side of each dividing sheet, each grid prior to assembly being of slightly greater thickness than the distance between the dividing sheets on either side thereof when the exchanger is assembled and the strips are arranged so that their edges contact with the dividing sheets on either side of the grid and at least one edge contacts obliquely with its adjacent dividing sheets to permit the strips to bend under the pressure produced by forcing together the alternate series of dividing sheets and spacer frames and thereby reduce the thickness of the grid to the requisite extent, and means for introducing and discharging fluid into and out of the interior of said frames at opposite corners of each of said frames.

2,379,672
FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, deceased, late of Longmeadow, Mass., by Mabel Allen Buxton, executrix, Longmeadow, Mass., assignor to Buxton, Incorporated, a corporation of Massachusetts
Application July 31, 1941, Serial No. 404,850
6 Claims. (Cl. 150—39)



1. A flexible pocket receptacle having side portions foldable one on the other, at least one wing member hinged to the receptacle to be enclosed by said portions when the latter are folded together, an auxiliary carrying means removably mounted on said wing member and including a flattened loop member removably telescoped over said wing member, the walls of the loop member forming supports for the desired auxiliary elements, and means releasably holding said loop member in predetermined position on the wing member.

2,379,673
SUPERREGENERATIVE RADIO RECEIVER
George Baldwin Banks, Chelmsford, England, assignor to Marconi's Wireless Telegraph Co., Ltd., London, England
Application October 26, 1943, Serial No. 507,684
In Great Britain May 9, 1941
4 Claims. (Cl. 250—20)

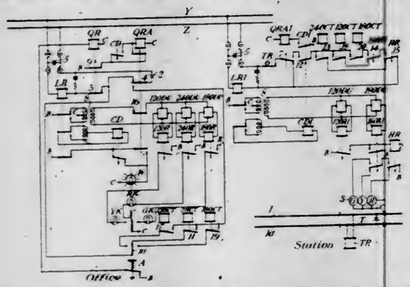


1. A super-regenerative radio receiver comprising a velocity modulation tube functioning as a super-regenerative detector, said tube including at least a cathode, a control electrode, a modulation element and an electron collector, and circuit means in energy transfer relation to the electron stream emanating from said cathode for supplying to said control electrode a quenching oscillation of lower frequency than the frequency applied to said modulation element.

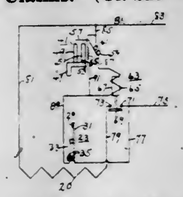
2,379,674
REMOTE CONTROL SYSTEM
George W. Baughman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 24, 1943, Serial No. 484,397
14 Claims. (Cl. 246—3)

1. In a remote control system, an office and a station connected by line wires normally supplied with line current, means including a control lever and a code transmitter at the office for at times modulating said line current at a given frequency, a control relay at the station, decoding means at the station selectively responsive to said line current modulated at said given frequency for energizing said control relay, a normally inactive code transmitter at the station, switching means at

the office for automatically stopping the modulation of said current by the office code transmitter after a time sufficient to effect the energization of said control relay, and switching means at the station for then rendering the station code transmitter effective if said control relay becomes energized to continue the modulation at said given frequency of the current supplied to said line wires to maintain said control relay energized.



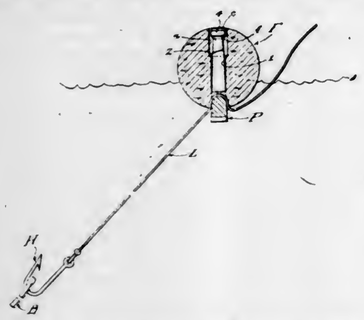
2,379,675
WATER HEATER CONTROL SYSTEM
Herman M. Biebel, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 31, 1944, Serial No. 520,517
7 Claims. (Cl. 219—39)



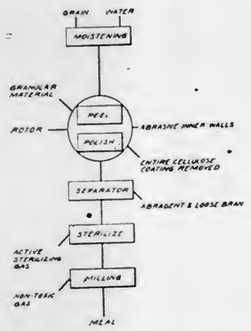
1. A heater control system for a hot water tank having an electric heater, comprising an electromagnetic heater control switch having a coil, a thermally-actuable switch subject to tank water temperature at the lower end portion of the tank and a thermal retarder switch unit comprising a pair of dissimilarly thermally-responsive elements, subject to tank water temperature intermediate the ends of the tank, said thermally-actuable switch and said thermal retarder switch being jointly effective to control said electromagnetic switch and cause the same to move immediately into heater energizing position upon filling the tank with cold water.

2,379,676
FISHING FLOAT
Selwyn Reid Blackstone, Madison, Wis.
Application January 10, 1944, Serial No. 517,719
3 Claims. (Cl. 43—49)

1. A fishing float, comprising a buoyant body having a bore enlarged through a part of its length to form a shoulder, and a pin adapted for insertion into the bore and divided longitudinally from one end through the major part of its length to form furcations between which a fishing line may be inserted, the furcations being of resilient character to be flexed together, the pin having a head at the said one end adapted upon flexing the furcations together to pass through the smaller part of the bore into the enlarged part, the outer sides of the head opposing said shoulder when in the enlarged part of the bore, and the pin being of a diameter to frictionally hold the line between the pin and the wall of the smaller part of the bore.



2,379,677
METHOD OF MILLING GRAIN
Voldemar Borsakovsky, Saint-Julien par Sennecey le Grand (Saone-et-Loire), France; vested in the Alien Property Custodian
Application July 15, 1942, Serial No. 451,014
In France April 30, 1941
2 Claims. (Cl. 99—153)



2. A method of producing an aseptically clean integral meal from cereal grains comprising moistening a mass of grains; incorporating with said mass a predetermined quantity of granular material having abrading properties and a grain size definitely smaller than the treated grains; rotating the said mass of grains and the said granular material thereby removing the pericarp from each grain and then causing particles of said granular material to penetrate the nicks or furrows of the treated grains and detach therefrom whatever cellulose may remain after the removal of the pericarp; removing from each grain its seminal tegument, thereby exposing its protein underlayer, by polishing each grain with said granular material; separating the granular material and the mass removed from the treated grains, from the mass of treated grains; subjecting the treated grains to an atmosphere of an active sterilizing gas to sterilize the grains to prevent noxious fermentation; protecting the protein underlayer of each treated grain by confining the treated grains in an atmosphere of an inert, non-toxic gas; and milling the treated grains, while so confined, to convert them into meal.

2,379,678
PROCESS FOR DISPERSING PIGMENTS
Rodney Garrett Brown, Freehold, and Richard Russell Roberts, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1942, Serial No. 450,336
5 Claims. (Cl. 106—193)

1. In the process of dispersing an organic pigment dye in an organic vehicle by direct transfer of the pigment dye from a water slurry to an organic vehicle having a pH of about 7, the step of recovering colloidal pigment particles retained in the water slurry by adding about an equal amount to the said colloidal pigment of material from the class consisting of phosphoric acid and a mono-alkali metal phosphate to a mixture of a substantially water-immiscible organic vehicle and a pigment water slurry containing colloidal pigment particles and mixing until the separated water is substantially free of all pigment particles.

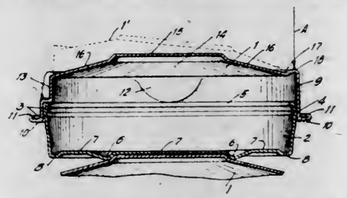
2,379,679
BOX
Ralph V. Burdick, Loudonville, N. Y.
Application March 27, 1943, Serial No. 480,861
2 Claims. (Cl. 220—43)



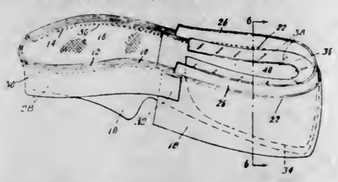
1. A metal box comprising a round container portion open at one end forming the top thereof and provided about said end with a stiffening curl, an outwardly-expanded peripheral portion adjacent and extending around said open end, a narrow, continuous, peripheral bead intermediate the top and bottom of and outwardly projecting from said peripheral portion, and a cover for said container comprising a substantially cylindrical skirt portion laterally surrounding said bead and in substantially air-tight, tangential contact therewith; the bottom of said skirt portion being provided with an outstanding, peripheral, stiffening flange having a reinforcing curl about its free edge; diametrically-disposed, struck-in portions in said cover adapted to rest on the upper edge of said container when said box is tightly closed and thus to limit the distance which said cover can be pressed downwardly over said peripheral bead in the zones thereof adjacent said struck-in portions, and said cover throughout a portion only of its periphery between said struck-in portions and on one side thereof being substantially cylindrical from top to bottom; whereby downward pressure applied to said cover at the edge of said last mentioned cylindrical portion will move said cover downwardly in the zone of pressure and effect a tilting and loosening of said cover to facilitate the removal thereof from said box.

2,379,680
BOX
Ralph V. Burdick, Loudonville, N. Y., assignor of one-half to Ralph V. Burdick, Junior, Loudonville, N. Y.
Application August 21, 1943, Serial No. 499,743
5 Claims. (Cl. 220—97)

1. A substantially cylindrical metal box of the character described comprising a container element, and a cover element therefor provided with circumferentially-spaced struck-in portions forming trunnions adapted to rest on the top edge of said container element when said cover is seated thereon, whereby pressure on the edge of said cover in a zone between said struck-in portion will cause said cover to tilt on said trunnions and effect an unseating thereof; said cover element having the central zone of the top thereof raised substantially above the edge zones thereof, and the bottom of said container element being provided with a centrally disposed recess adapted to receive the raised portion of said cover; the height of said raised portion of the cover above the edge of said cover and the depth of said recess being such that when one box is stacked on another the edge portions of said boxes are out of contact; whereby, in shipping, a plurality of said boxes may be partially nested in a stack with the bottom of each box spaced from the edge portions of the cover of the box next below to prevent cover-unseating pressure on the lower box.



2,379,681
FOOTWEAR
Harold W. Cohen, Manchester, N. H., assignor to Bee Bee Shoe Company, Manchester, N. H., a corporation of New Hampshire
Application October 18, 1944, Serial No. 559,159
8 Claims. (Cl. 36—19.5)

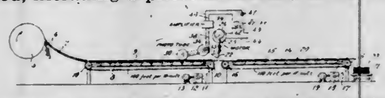


5. An article of footwear comprising an upper, a lining and a sock lining in which the upper and lining are stitched to the sock lining around the forepart of the article, and the lining only is stitched to the sock lining around the rear portion of the article, a pre-formed stiff flanged counter between the rear portions of the upper and lining with its flange underlying the sock lining, said rear portion of the upper being lasted and having an edge portion turned over upon and secured to the flange of the counter, an outsole element and heel, and means securing the outsole element and heel to the upper.

2,379,682
MACHINE FOR CUTTING VENEER
Giovanni Colucci, Harbor Island, and John Colucci, Jr., Wilmington, N. C.
Application March 4, 1944, Serial No. 525,110
8 Claims. (Cl. 164—48)

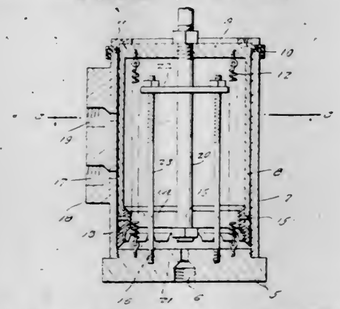
8. In an apparatus for cutting veneer from a traveling strip, the combination of means for advancing the strip continuously, a reciprocating knife, motor means for actuating the knife, a measuring device adapted to engage the advanc-

ing strip and to control the actuation of the knife when a predetermined length of the sheet has passed, including a photoelectrically actuated re-



lay, means controlled by the measuring device to energize the relay and an electric circuit to the motor means controlled by the relay.

2,379,683
AIR MOTOR
Ben Cones, Indianapolis, Ind.
Application June 24, 1943, Serial No. 492,099
1 Claim. (Cl. 121—38)



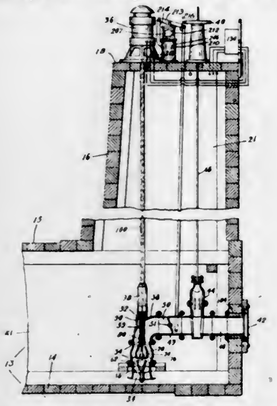
An air motor comprising an outer cylinder having a fluid inlet at its bottom and open at its top, a hollow piston working in the cylinder and open at its bottom and closed at its top, spring means retracting the piston, said cylinder having a discharge port in its side wall, a piston rod extending into the piston and adjustably secured therein, a stop in the cylinder, and means on the inner end of the rod engaging the stop to limit outward movement of the piston.

2,379,684
AZO DYESTUFF DERIVATIVES OF AMINO-BENZO-p-DIOXANS
Robert C. Conn and Frederic H. Adams, Bound Brook, and John P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,737
9 Claims. (Cl. 260—152)

1. New azo dyestuffs of the general formula A—N=N—B in which A is the residue of a coupling component and B is the residue of an N-para-amino-phenyl-substituted heterocyclic compound selected from the group consisting of 6-aminobenzo-para-dioxan, and 7-amino-benzo-para-dioxeno-para-dioxan.

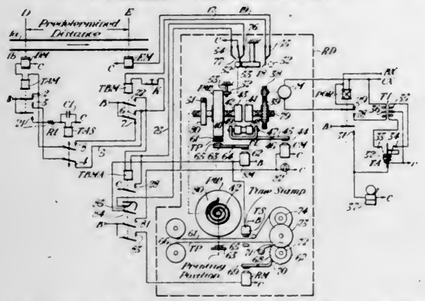
2,379,685
FLOATING DRY DOCK
James Stuart Crandall, Lexington, Mass., assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass., a corporation of Massachusetts
Application November 25, 1943, Serial No. 511,713
15 Claims. (Cl. 114—45)

8. In a floating dry dock having a buoyancy-regulating compartment, a conduit for admitting water into and discharging water from said compartment, a reversible-flow pump in said conduit, a reversible motor for operating said pump to pass water selectively in opposite directions in said conduit, a normally closed valve in said con-



duit, and automatic means for opening said valve when said pump is operated in any one of its two directions under power of said motor.

2,379,686
SPEED MEASURING AND RECORDING APPARATUS
Archibald M. Crawford, Pittsburgh, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 12, 1943, Serial No. 486,725
2 Claims. (Cl. 234—29.5)

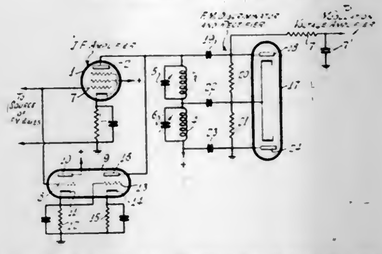


1. In recording apparatus for use with a trackway over which objects move at different speeds and which trackway is provided with two object actuated contact devices spaced a preselected distance apart to control successively a first and a second control circuit in response to an object moving between said devices; the combination comprising, a printing wheel biased to an initial position and operable a predetermined portion of a revolution to an extreme position, a continuously running constant speed motor, means including a magnet operated clutch and a drive mechanism to at times connect said motor to said wheel to operate the wheel to its extreme position, said motor and drive mechanism proportioned for operating said wheel to its extreme position in a time interval equal to that consumed by an object in moving between said two contact devices at a preselected minimum speed, a series of miles per hour speed numerals formed on the outer surface of said wheel, said series arranged with respect to the rate at which said wheel is driven by said motor that each numeral appears at a preselected printing position in a time interval equal to that consumed by an object in moving between said contact devices at the speed corresponding to that numeral, a tape adjacent said wheel at said printing position, a magnet operated stamping device operable to press said tape into printing engagement with the speed numeral occupying said printing position, and said clutch magnet disposed to be governed by said first circuit and said stamping device magnet disposed to be governed by said second circuit.

2,379,687
CATALYSTS
Chester C. Crawford, El Cerrito, and William E. Ross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 22, 1942, Serial No. 459,326
1 Claim. (Cl. 252—199)

A fluid aluminum chloride-containing catalyst consisting of a molten mixture of aluminum chloride and pyridine hydrochloride, said mixture containing about 66 per cent by weight of aluminum chloride.

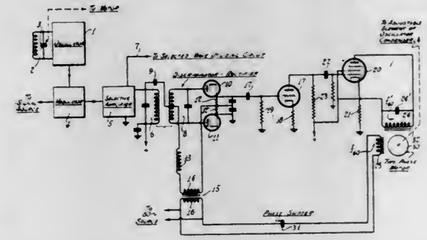
2,379,688
FREQUENCY MODULATION RECEIVER CIRCUITS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 13, 1942, Serial No. 450,656
17 Claims. (Cl. 250—20)



1. In a system for receiving angular velocity-modulated carrier wave energy, a discriminator comprising a pair of frequency responsive circuits having sloping filter characteristics which are oppositely related, a pair of opposed rectifiers operatively associated with said pair of frequency responsive circuits, means for applying to said frequency responsive circuits said modulated carrier wave energy, and means, responsive to carrier amplitude variations in the received energy, for automatically varying the steepness of said sloping filter characteristics.

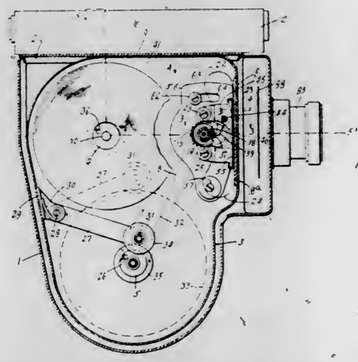
2,379,689
FREQUENCY CONTROL CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1943, Serial No. 473,681
1 Claim. (Cl. 250—36)

In combination with a high frequency oscillator having means for adjusting the frequency thereof, a two phase motor provided with a pair of energizing windings, a source of alternating current, means for applying current from said source to one of said windings, a discriminator-rectifier network comprising a pair of diodes each having an anode and cathode, an input circuit coupled between the anodes of said diodes, a resistor connected between the cathodes of the diodes, a second input circuit connected between a point on the first input circuit and a point on said resistor, means for impressing oscillatory energy derived from said oscillator upon the first input circuit whereby said diodes develop across said resistor rectified voltages which bias the diodes equally in response to the frequency of the



oscillatory energy being equal to a predetermined reference frequency, means to apply current from the alternating current source to said second input circuit, and connections from said resistor to the second of said windings for providing alternating current through the latter in response to said rectified voltages becoming unequal due to a frequency difference between the oscillatory energy frequency and said reference frequency, and means causing said alternating currents to flow through said windings in phase quadrature.

2,379,690
CAMERA FILM MAGAZINE AND DRIVING MECHANISM
Harry G. Cunningham, Los Angeles, Calif.
Application December 22, 1941, Serial No. 423,873
5 Claims. (Cl. 242—71)

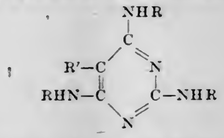


1. In a reel driving apparatus for use with a camera having a film feeding mechanism for advancing the film with a step-by-step movement, the combination of a supply reel, a take-up reel, said reels being mounted on relatively fixed axes, a film guide between the reels through which the film passes in moving between the two reels, a guide roller, the film being passed from the supply reel thence around a portion of the periphery of the guide roller, means for imparting feeding movement to the film to impart rotation to the

guide roller from the film in contact therewith and means for urging the guide roller toward the take-up reel to maintain an operative contact between the surface of the film on the guide roller and the take-up reel, and operating to impart the take-up rotation to the same.

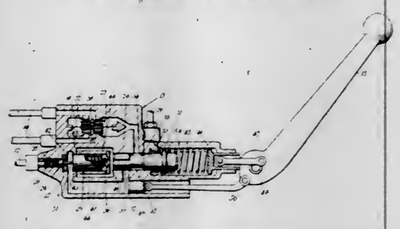
2,379,691
REACTION PRODUCTS OF ALDEHYDES AND DIAZINE DERIVATIVES
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 17, 1942, Serial No. 451,314
14 Claims. (Cl. 260—72)

1. A composition of matter comprising the reaction product of (1) a chlorinated acetamide with (2) the product of partial reaction of ingredients comprising an aldehyde and a compound corresponding to the general formula



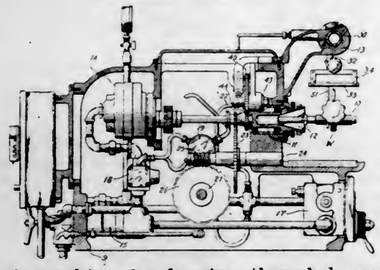
where R represents a monovalent hydrocarbon radical and R′ represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals.

2,379,692
FLUID-PRESSURE-OPERATED MEANS FOR CONTROLLING APPARATUS AT A DISTANCE
Edward Dodson, Puriton, near Bridgwater, England
Application April 22, 1944, Serial No. 532,312
In Great Britain January 6, 1944
7 Claims. (Cl. 303—54)



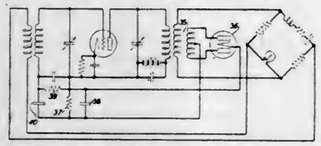
1. A sender unit for a hydraulic remote control system, adapted for use with a high pressure supply and comprising a cylinder having inlet and exhaust ports and an outlet, a piston valve in the cylinder exposed at one end to the fluid pressure at the outlet and operable by movement in opposite directions from a neutral position to place the outlet in communication with the inlet port and with the exhaust port respectively, a spring for balancing the piston valve against the pressure at the outlet and thereby urging it to the neutral position, an operating member for varying the pressure of the spring for the purpose of displacing the piston valve to raise or lower the pressure at the outlet, an inlet for connection to the high pressure supply, and a pressure reducing valve for subjecting the inlet port to reduced pressure derived from the high pressure at the inlet, and maintaining at said inlet port a reduced pressure which exceeds that at the outlet by a fixed amount.

2,379,693
INTERNAL SCREW THREAD LAPPING MACHINE
Alden M. Drake, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application April 19, 1943, Serial No. 483,563
6 Claims. (Cl. 51—96)



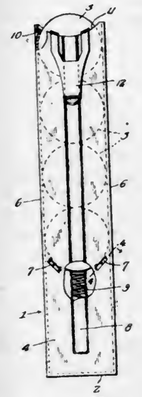
1. A machine for lapping threaded members comprising in combination, a base, a spindle mounted for rotation therein, a lapping tool mounted on said spindle, rotating means for said spindle, means to reverse the spindle rotation, a reciprocating member mounted on said base for movement in a direction at right angles to the axis of rotation of said spindle, a resilient member on said reciprocating member, a holder for a work piece while positioned on said spindle, said holder having an arm outstanding therefrom adapted to engage said resilient member, whereby engagement of said resilient member with said arm will oscillate said work piece relative to said tool during rotation of said spindle.

2,379,694
STABILIZED OSCILLATOR
William A. Edson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application January 16, 1942, Serial No. 427,031, now Patent No. 2,343,539, dated March 7, 1944. Divided and this application October 7, 1943, Serial No. 505,314
5 Claims. (Cl. 250—36)



1. A stable frequency, pure wave, oscillator comprising an amplifier device having input and output electrodes including a common electrode, a feedback path including a frequency-determining means coupling the input and output circuits of said device, and an auxiliary feedback path, at least in part independent of said first-mentioned feedback path and likewise coupling the output and input circuits of the device, said auxiliary feedback path comprising means for deriving a portion of the output wave of said device and for electrically conditioning the resultant wave and impressing it as a bias potential on the input electrodes of said device, said conditioning means including a rectifier, and an amplitude and phase regulating network, said network comprising in parallel relation a resistance and a serial combination of resistance and blocking capacitance, said last-mentioned resistance being connected in the input circuit of said amplifier device and said rectifier being so poled relatively to said network that an increase of rectified current tends to result in an increased negative bias on the input electrode exclusive of the common electrode relatively to said common electrode.

2,379,695
COIN HOLDER
Alfred Hamilton Emery, Wappingers Falls, N. Y.
Application August 24, 1944, Serial No. 550,970
1 Claim. (Cl. 133—6)



A coin holder of the character described comprising a substantially flat, tubular container for the reception of coins, said container being open at one end and closed at its other end and including a front, back and sides, the front and back having opposed, complemental channels therein extending from the open end of the container to a point adjacent the closed end thereof, a compression spring mounted in the channels for yieldingly urging the coins toward the open end of the container, and a resilient finger located near the open end and adapted to engage the edge of a coin against ejection by the compression spring.

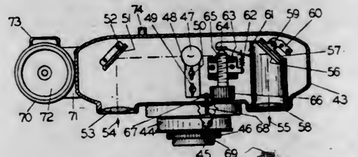
2,379,696
RECOVERY OF OLEFINIC HYDROCARBONS
Theodore W. Evans, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 13, 1940, Serial No. 334,896
7 Claims. (Cl. 183—115)

5. A process for the separation of a diolefin from a gaseous hydrocarbon mixture containing a diolefin and a corresponding mono-olefin which comprises contacting the gaseous hydrocarbon mixture with a liquid solvent of the group consisting of acetonitrile and propionitrile to selectively dissolve the diolefin, and separating the residual gas from the liquid solution containing the diolefin.

2,379,697
PRODUCTION OF DIOLEFINS
Theodore W. Evans, Oakland, and Rupert C. Morris and Norten C. Melchior, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1943, Serial No. 476,128
11 Claims. (Cl. 260—680)

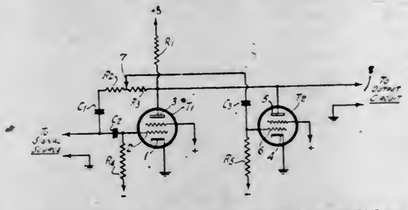
5. A process which comprises heating 2-chlorobutene-2 to a temperature of between about 300° C. and about 650° C. in the presence of a compound catalyst comprising a material having dehydrogenation-inducing characteristics and "activated alumina," and recovering butadiene-1,3 and compounds isomeric therewith from the reacted mixture produced.

2,379,698
CAMERA AND RANGE FINDER
Edwin L. Fischer, Endwell, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 14, 1940, Serial No. 365,662
2 Claims. (Cl. 95—44)



1. A photographic camera having in combination, a casing, an objective and mounting therefor, said mounting being rotatable for moving the objective axially of the mounting for focusing it, a range finder attached to said casing and having a source of light, two mirrors and a cooperating lens for each mirror, one of said mirrors being fixed to reflect a beam from the light through its lens and parallel to the extension of the objective, the other mirror being pivoted so that light reflected thereby may be caused to project through its lens and in a direction parallel to the first-mentioned beam or inclined at an angle thereto, means for swinging said movable mirror including an arm, a spring and an adjusting screw having a gear fixed thereto, a shaft projecting from said range finder and having a pinion meshing with said gear and also being connected for rotation with the objective mounting, the construction and operation being such that as the objective is focused, the movable mirror will be swung about its pivot to reflect its beam of light so as to intersect the beam of light from the fixed mirror at substantially that point for which the objective is focused.

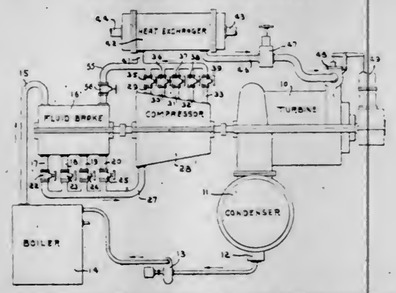
2,379,699
AMPLIFIER CIRCUIT
John R. Ford, Narberth, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 13, 1943, Serial No. 506,075
5 Claims. (Cl. 179—171)



1. In combination with a signal amplifier provided with input and output electrodes, a signal input circuit connected to the input electrodes, an output load element connected to the output electrodes, a path connected between said output circuit and the signal input circuit, said path having an impedance which is sufficiently large to prevent negative feedback, an auxiliary electron discharge device provided with at least an

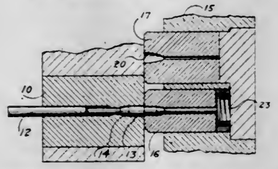
input electrode and an output electrode, means for connecting the latter output electrode to the output circuit of said amplifier, said load element connecting the output electrodes of said amplifier and auxiliary device in parallel, and means for connecting the input electrode of said auxiliary device to a point on the said path which is of substantially zero signal potential, but which has an appreciable harmonic distortion potential.

2,379,700
STEAM TURBINE TESTING APPARATUS
Clarence C. Franck, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1942, Serial No. 460,619
4 Claims. (Cl. 73—116)



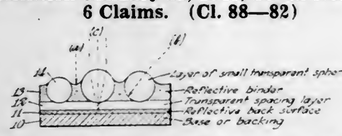
1. Apparatus for testing a relatively high temperature and pressure elastic fluid turbine, comprising means for generating elastic fluid at temperatures and pressures materially lower than those at which said turbine is to be tested, a multiple-stage brake for increasing the temperature of the elastic fluid generated, a multiple-stage compressor for increasing the pressure of the elastic fluid generated, means for directing the elastic fluid generated through selected numbers of the stages of said brake and of said compressor to increase the temperature and pressure of the elastic fluid, and a heat exchanger supplied with the heated and compressed elastic fluid and operable to modify the temperature of such elastic fluid so as to provide elastic fluid of the temperature and pressure required by the turbine, and means for conducting said elastic fluid of the required temperature and pressure to the turbine, the brake and compressor being adapted to be driven by the turbine.

2,379,701
PROCESS OF MAKING BULLETS
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application May 16, 1941, Serial No. 393,727
9 Claims. (Cl. 29—1.22)



1. The process of making a bullet from a cylindrical blank of wire or rod stock comprising in one operation forging an end of the blank to reduce its diameter, upsetting another portion of the blank to increase its diameter, and maintaining an intermediate portion of the blank at substantially its original diameter, and, in another operation, upsetting said forged end and said intermediate portion and further forging said end to form an ogive.

2,379,702
REFLEX LIGHT REFLECTOR
Melvin L. Gebhard, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 23, 1943, Serial No. 473,347
6 Claims. (Cl. 88—82)



1. In a flexible, reflex reflector sheet material adapted to use in making outdoor signs having long range visibility coupled with good angularity characteristics under night viewing conditions, a flexible reflector having a silvery metallic reflective surface, an overlying layer of small transparent spheres, and a non-specular reflective binder in which said spheres are partially embedded so that an internally reflecting non-specular spherical band or zone is provided around the lower side of each sphere, the inner extremities of the spheres being clear and in optical connection with the underlying silvery metallic reflective surface.

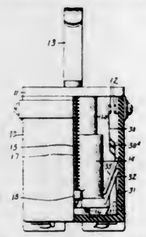
2,379,703
PROCESS FOR THE PRODUCTION OF DERIVATIVES OF POLYHYDROXY ALCOHOLS
Daniel Geltner, Astoria, N. Y., assignor to The Richards Chemical Works, Inc., Jersey City, N. J., a corporation of New Jersey
No Drawing. Application April 24, 1942, Serial No. 440,398
6 Claims. (Cl. 260—615)

1. A new composition of matter having the formula

$$R—O—CH_2—(OC_2H_4)_n—O—Y$$

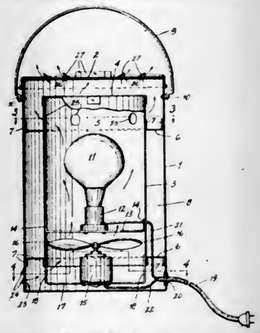
in which R is a carbon-linked chain having from 6 to 20 carbon atoms, n is greater than 1 and Y is a radical selected from the group consisting of hydrogen and $ROCH_2—$.

2,379,704
ELECTRIC SWITCH
Robert W. Goff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 15, 1944, Serial No. 531,220
7 Claims. (Cl. 200—34)



3. A manually operable electric switch comprising a base, a cylinder fixedly attached to said base, a movable switch member including a piston slidably positioned in said cylinder, a fluid flow control valve arranged to control the passage of air past said piston, a manually operable member slidably mounted upon said base and resiliently connected to said switch member, means for biasing said manually operable member in one direction, said manually operable member being movable against its bias to bias said piston for movement in said cylinder at a speed controlled by said valve, a plurality of cantilever spring contacts mounted upon said base in substantially parallel spaced relation with one surface thereof, and camming means interposed between said spring contacts and said one surface and connected to said switch member sequentially to control said contacts in accordance with movement of said piston.

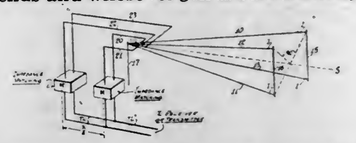
2,379,705
PORTABLE ELECTRIC HEATER
Frederick Graves, St. Louis, Mo.
Application November 19, 1943, Serial No. 510,889
3 Claims. (Cl. 219—39)



1. A portable electric heater comprising a cylindrical outer housing, a cylindrical inner housing mounted in said outer housing and spaced from the side, top and bottom thereof, said inner housing having a closed top and an open bottom, said outer housing having series of circumferentially spaced air inlet openings through its side below the level of the open bottom of said inner housing and having a series of air discharge openings in its top, said inner housing having a series of circumferentially spaced air outlet openings through its side adjacent to its top, an electric heat lamp located in said inner housing, an upright air circulating fan located in said heater at the open lower end of said inner housing, and annular plates interposed between and rigidly connecting the spaced side walls of said inner and outer housings above and below the level of said lamp and forming with said side walls a closed annular chamber below the level of the air outlet openings in the side wall of said inner housing.

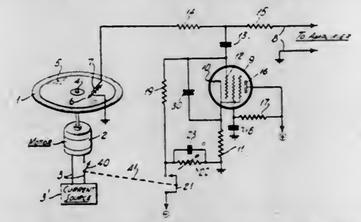
2,379,706
ANTENNA
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1943, Serial No. 473,673
15 Claims. (Cl. 250—33)

1. A pair of V type directional antenna radiators arranged in planes at right angles and with their bisectors coincident and means for coupling both radiators to a common transmission line, said means comprising a length of transmission line whose characteristic impedance, for a mean operating frequency, is substantially matched at both ends and whose length is substantially equal



to a quarter wave at the mean operating frequency of said radiators.

2,379,707
AUDIO-FREQUENCY COMPENSATOR CIRCUIT
Jarrett L. Hathaway, Cambridge, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application November 12, 1943, Serial No. 510,008
13 Claims. (Cl. 179—100.4)



1. In combination with a source of audio frequency currents, an audio frequency utilization circuit, an audio transmission line therebetween, an attenuation network for the higher audio frequency components of said currents, said network comprising an electron discharge tube circuit having its effective input impedance in shunt across said line, said circuit having its elements so chosen and arranged that the effective magnitude of said input impedance is proportional to the transconductance of the electron discharge tube, said input impedance normally providing a maximum attenuation of the higher audio frequency components of said currents, and means providing a transconductance-reducing bias for said tube which is a function of the passage of a predetermined period of time.

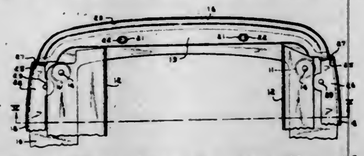
2,379,708
PRODUCTION OF DIOLEFINS
George W. Hearne, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1943, Serial No. 476,129
13 Claims. (Cl. 260—680)

13. A process for dehydrohalogenating a 2-halobutene-2 which comprises subjecting the said 2-halobutene-2 to a temperature of between about 400° C. and about 750° C. in the presence of a material capable of catalyzing the dehydrohalogenation.

2,379,709
TOASTING APPARATUS
Joseph R. Heilman, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1943, Serial No. 512,378
2 Claims. (Cl. 99—401)

1. In a toaster, the combination of a base, spaced partitions carried by the base and defin-

ing a toasting oven therebetween, and a casing structure enclosing said oven, said casing structure including side members spaced apart and resting upon the base but unsecured thereto, means associated with the base and the bottom portions of said side members for preventing the unsecured side members from shifting horizontally relative the base, said side members being dished and having a flange extending outwardly from the end and top margins thereof, a centerband of inverted U shape bridging the space between the side members and having flanges ex-



tending inwardly from the respective side margins thereof, said inwardly and outwardly-extending flanges cooperating to position the side members, means for securing the ends of the U-shaped centerband to the base and for drawing the side members into engagement with the base, and means associated with the side members and said partitions for preventing horizontal movement of the upper portions of the side members relative the partitions independently of the centerband.

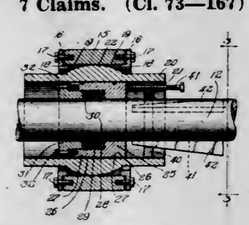
2,379,710

GUN PORT MOUNTING

Arnold H. Heineman, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois

Application September 18, 1943, Serial No. 502,909

7 Claims. (Cl. 73—167)



7. In combination with a hermetically sealed container including a wall having an aperture through which the barrel of a gun being tested is adapted to extend, a seal for said barrel, comprising a stuffing box secured to the barrel, said box including packing, a gland and a stuffing box cylinder, the outer surface of the cylinder being provided with at least two ring grooves; a piston ring in each groove; and a recoil cylinder enclosing the stuffing box and having an inner surface bearing on the piston rings and an outer surface in sealing engagement with the edges of said aperture.

2,379,711

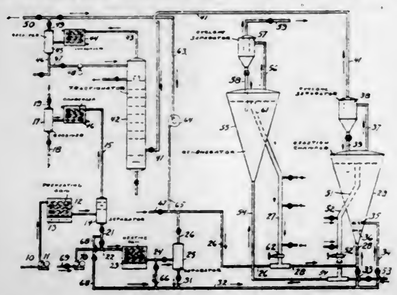
CATALYTIC CONVERSION OF HYDROCARBON OILS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 12, 1941, Serial No. 410,526

4 Claims. (Cl. 196—52)

1. A process for the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons suitable for motor fuel which comprises introducing hot finely-divided absorptive cracking catalyst into a stream of oil vapors to be cracked to form an oil vapor-catalyst suspension, thereafter combining with said suspension a stream of oil having a substantial portion thereof in liquid form in an unheated reaction zone whereby heat is supplied directly from the catalyst to ef-



fect the decomposition of the oil and subjecting the resulting mixture of oil and catalyst to cracking conditions to convert a substantial portion of said oil into lower boiling motor fuel constituents, thereafter separating the cracked products from the catalyst and segregating a motor fuel fraction therefrom.

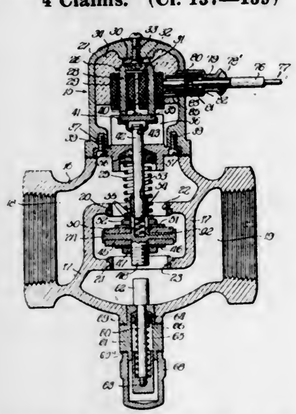
2,379,712

THERMOELECTRIC SAFETY DEVICE AND THE LIKE

Charles V. Hildebrecht, Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 14, 1942, Serial No. 458,304

4 Claims. (Cl. 137—139)



1. In a safety control valve of the character described, a valve casing having an inlet chamber and an outlet chamber with a valve chamber therebetween provided with an inlet port and an outlet port respectively opening into said inlet and outlet chambers for establishing communication therebetween, a valve stem, said inlet and outlet ports and said valve stem being coaxial, a valve member mounted on said stem for limited relative movement lengthwise thereof disposed within said valve chamber between and controlling said ports, an armature attached to said valve stem, means yieldingly urging said stem and valve member toward a released position with said valve member seating over the outlet port, an electromagnet effective when energized for holding said armature and said valve stem in attracted position with said valve member disposed between and spaced from said ports but incapable of moving said armature and stem from released to attracted position, and reset means for moving said armature and stem from released to attracted position and moving said valve member from released position to a resetting position seating over said inlet port.

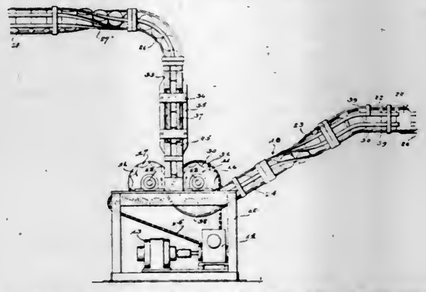
2,379,713

ARTICLE CONVEYING APPARATUS

John Hohl, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application March 10, 1943, Serial No. 478,623

6 Claims. (Cl. 198—46)



1. Article conveying and elevating apparatus comprising a runway through which the articles are conveyed in an unbroken line, a pair of driving wheels mounted for rotation about horizontal axes and positioned on opposite sides of the runway, said runway including an elevator section having its lower end between said wheels and providing a passageway extending upwardly from the wheels, said wheels being formed with concave surfaces brought in pairs into position to engage opposite sides of articles moving through the runway and forming pockets to receive the articles as they pass between said wheels, said runway including a downwardly and forwardly inclined section extending to one wheel at the side thereof opposite to the elevator section and through which the articles are guided to said side of the wheel, and a curved guide at the lower end of said inclined section and forming an extension thereof, said guide being curved in an arc concentric with the adjacent wheel and spaced therebeneath and providing therewith a passageway through which the articles are guided by the wheel, said guide being positioned to retain the articles in contact with the wheel during their passage along said guide, with said articles held in contact with each other in an unbroken line while passing around the lower portion of the wheel and upwardly to the said elevator section.

2,379,714

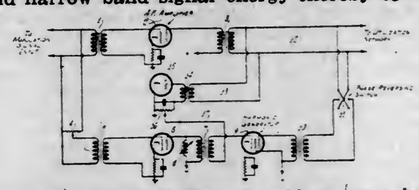
AUDIO TRANSMISSION NETWORK

R. Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 14, 1942, Serial No. 442,894

10 Claims. (Cl. 179—1)

1. A method of transmitting a narrow band of modulation signal frequencies through a transmission network having a relatively wider frequency pass band which includes, deriving from the narrow band of signal energy those frequencies located in the upper portion of the narow band, producing harmonic frequencies from said upper portion frequencies, and combining the harmonic frequencies with the aforesaid narrow band signal energy thereby to im-



prove the intelligibility of said narrow band signal energy.

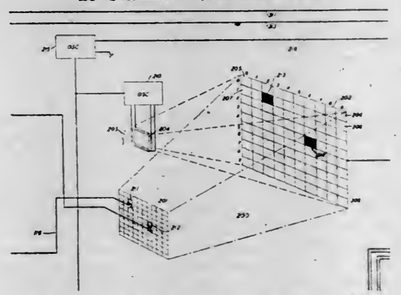
2,379,715

COMMUNICATION SYSTEM

Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 9, 1942 Serial No. 461,428

19 Claims. (Cl. 179—18)



1. The combination with a group of lines of means for establishing communicative connection between a pair of said lines including any one of said lines and any other one of said lines, said means comprising a device for causing a beam of energy to scan repeatedly the lines of said group, a second beam of energy, and means effective each time said first beam encounters one of the lines of said pair for directing the second beam to the other line of said pair.

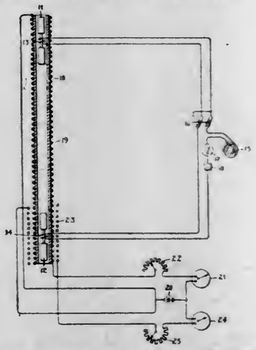
2,379,716

MAGNETIC FIELD GRADIENT METER

Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 16, 1943, Serial No. 502,625

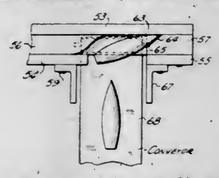
4 Claims. (Cl. 175—183)



1. Apparatus responsive to unidirectional flux gradients comprising a pair of magnetic in-

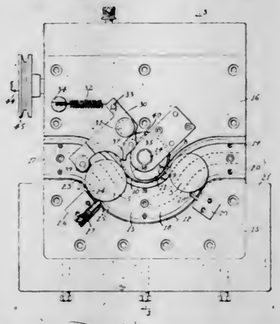
ductors of high permeability material and of such minimum cross section as to become saturated by low values of flux, said inductors being supported with their magnetic axes in line a predetermined distance apart, alternating current magnetizing coils wound about each inductor, a circuit including a device responsive to direct current and a reversing switch to one of the coils for connecting said coils in series relation to a source of alternating current, and a direct current coil wound about both inductors for neutralizing the average unidirectional flux in said inductors.

2,379,717
ORIENTING MECHANISM
Samuel C. Hurley, Jr., Danville, Ill.
Application June 24, 1944, Serial No. 541,959
10 Claims. (Cl. 193—43)



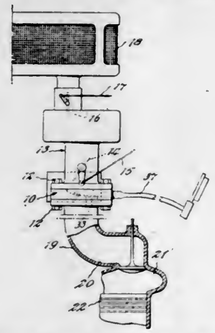
1. A chute for receiving unit articles formed with one end of lesser cross-section than the other end and for discharging said articles in a uniformly oriented manner comprising walls to laterally confine said articles, one side wall formed with an opening adjacent the discharge end, the bottom wall formed with a laterally sloping portion adjacent the discharge end and adjacent the opening in the side wall for causing oriented articles to be discharged laterally through said opening, a terminal selective abutment means forming a closure for the discharge end of the chute, said abutment means formed with a recess providing limited pivotal ingress for the end of lesser cross-section of said article only, for orienting the unit articles.

2,379,718
KNURLING MACHINE
Lionel R. Jensen, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application August 23, 1943, Serial No. 499,613
19 Claims. (Cl. 80—5.1)



16. In a machine of the character described, a fixed member having a smooth arcuate surface, a rotary member mounted for rotation about an axis substantially coincident with the center of said arcuate surface and having a portion of the periphery thereof smooth and on an arc substantially concentric with the arcuate surface, the balance of the periphery of said rotary member being toothed but also struck on an arc concentric with the aforesaid arcuate surface, the circumferential dimension of the toothed portion being substantially equivalent to the circumferential dimension of a cylindrical article to be indentured by rolling contact with said toothed surface, means for rotating said rotary member to roll an article between the arcuate surface and the rotary member in engagement with the toothed portion of the periphery thereof, the smooth portion of the periphery of the rotary member being on an arc of substantially the same radius as the root portions of the teeth of the toothed portion of the rotary member, the machine including yieldable detent means on the fixed member projecting inwardly toward the rotary member at one end of the arcuate surface to retain an article in the starting position in contact with the smooth peripheral portion of the rotary member until the article is engaged by the toothed peripheral portion of said rotary member, and spring actuated feed-in means for applying spring pressure on an article toward engagement between the detent means and the smooth peripheral portion of the rotary member.

2,379,719
VACUUM BOOSTER FOR WINDSHIELD WIPERS
Frank A. Kane, Jr., Derby, Conn., assignor to Kane Carburetor Corporation of Delaware, Wilmington, Del.
Application September 2, 1942, Serial No. 457,107
8 Claims. (Cl. 230—111)

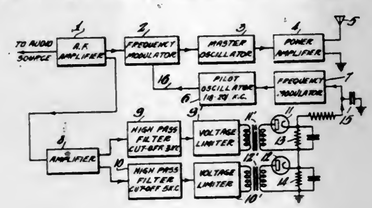


1. In a vacuum booster of the class described, a conduit, an unbalanced valve within said conduit, yieldable means urging said valve towards its closed position, said valve having an apertured portion therein, a Venturi tube extending through said apertured portion and communicating with opposite sides of the valve, the Venturi tube being in fixed relation to the conduit, and a passageway extending from the region of the throat of the venturi to the outside of the conduit.

2,379,720
RECEIVER FIDELITY CONTROL SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 4, 1942, Serial No. 449,771
15 Claims. (Cl. 250—6)

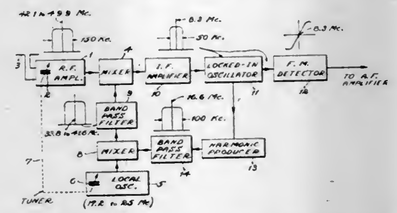
1. In a system for communicating with angular velocity-modulated carrier waves, the method which includes the following steps: generating carrier oscillations of substantially constant amplitude, deviating the frequency of the oscillations

in accordance with modulation signals, generating a control tone whose frequency lies outside the range of the modulation signal frequencies, varying the frequency of the control tone in accord-



ance with changes in the frequency range of the said modulation signal frequencies, modulating said carrier oscillations with said control tone, and transmitting the modulated carrier oscillations.

2,379,721
FREQUENCY MODULATION RECEIVING SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1943, Serial No. 489,622
14 Claims. (Cl. 250—20)



1. In combination, a mixer having an input circuit upon which is applied received angle modulated carrier wave energy of a predetermined center frequency and a relatively wide frequency swing, a source of local oscillations relatively lower in frequency than said center frequency, a demodulator of angle modulated wave energy, a beat frequency network coupled to said mixer output circuit, said beat frequency network being constructed to pass modulated wave energy whose center frequency is substantially reduced from the received modulated energy and whose frequency swing is also reduced, a locked-in oscillator coupled to the output of the beat frequency network and feeding its output oscillations to said demodulator, means for deriving harmonic energy from said last-mentioned oscillator, means mixing the harmonic energy and the local oscillations to provide heterodyne, angle-modulated, energy whose center frequency differs from said original received center frequency by the value of the frequency of said beat network, and means for applying the heterodyne energy to said first mixer.

2,379,722
MAKE-UP CAPE
Nathan Kase, Binghamton, N. Y.
Application November 6, 1943, Serial No. 509,219
3 Claims. (Cl. 2—50)

3. A make-up cape comprising a cape-like body made of flexible moistureproof material having a top edge shaped to fit about the neck of a wearer, a tubular neck band of soft fabric stitched to the top edge of the body, the fabric material from which the tubular collar is constructed being cut on the bias to impart a smooth appearance to the neck band at all times, releasable fastening means for securing the ends of the neck band together in an upstanding position and a pair of pull cords having their inner ends secured within the neck band adjacent the respec-

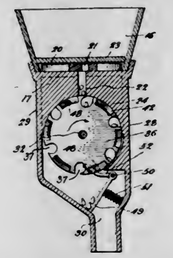


tive ends thereof and extending through the tubular neck band in opposite directions, the outer wall of the tubular neck band having openings therein adjacent the ends of the neck band through which the respective free ends of the pull cords freely pass whereby pulling upon the free ends of the pull cord will cause the neck band to be drawn inwardly to effect a smaller adjustment of the neck band to snugly fit about the neck of a wearer.

2,379,723
PARASITICIDAL PREPARATIONS
Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1944, Serial No. 521,433
11 Claims. (Cl. 167—33)

1. An insect repellent composition comprising a carrier and N-nitroso-phthalimidine as an active ingredient.

2,379,724
SEED PLANTER
Colonel W. Lanham, Chicago, Ill., assignor to Lillian W. Lanham, Chicago, Ill.
Application January 5, 1944, Serial No. 517,087
8 Claims. (Cl. 111—51)

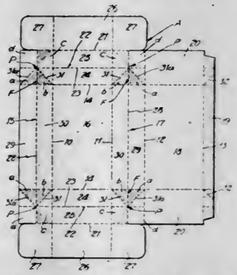


1. A corn planter comprising a hopper, means providing a seed passage leading downwardly from the hopper, means for discharging seeds from the hopper into the passage, a boot below the passage for the reception and conveyance of seeds to the ground, a valve means closing the upper end of the boot, means between the passage and the valve means for selecting single seeds from the passage and conducting such seeds singly to and discharging the same onto the valve means, means for opening the valve means when a predetermined number of seeds have been deposited thereon, and means for discarding seeds remaining in the passage after one thereof has been removed.

2,379,725
AZO DYESTUFF DERIVATIVES OF 6-AMINO-1,3-BENZODIOXAN
Hans Z. Lecher, Plainfield, John P. Goulding, Neshanic Station, and Robert P. Parker, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,736
11 Claims. (Cl. 260—152)

1. New azo dyestuffs of the general formula A—N=N—B in which A is the residue of a coupling component and B is the residue of an N-para-amino-phenyl 6-amino-1,3-benzodioxan.

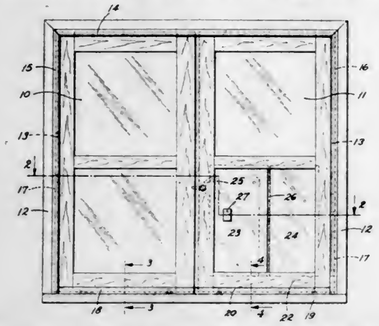
2,379,726
FOLDING BOX
David Levkoff, Brooklyn, N. Y.
Application December 22, 1942, Serial No. 469,796
1 Claim. (Cl. 229—37)



A folding box formed from a single blank of foldable material having four connected side walls, a folding end wall structure integral with the four side walls comprising a folding end panel integral with and connected along a hinge score to one of said side walls, said folding end panel being scored parallel to the hinge score to divide the same into inner and outer folding sections, the inner section being folded inwardly and the outer section being folded outwardly and disposed over the inner section, an inner end wall panel integral with and connected by a hinge score to the side wall opposite to that to which the folding end panel is connected and being folded over the outer section of the folded end panel, and an outer end wall panel integral with the outer section and connected thereto along a hinge score, said outer end wall panel bting folded over the inner end wall panel, foldable flap forming panels integral with the other two opposed side walls and with the ends of the folding end panel and with the inner end wall panel and respectively connected thereto along hinge scores, said foldable flap forming panels being respectively folded to provide foldable corner flaps, said corner flaps being folded against the last mentioned two opposed side walls and secured thereto by glueing, and side flaps connected to the ends of the outer end wall panel and being of a length greater than the folded corner flaps and respectively folded thereover with their end portions extending beyond the ends of the corner flaps and flatly engaging the last named side walls and being glued thereto.

2,379,727
STORM WINDOW
Clyde O. Lewis, Cleveland, Ohio
Application March 6, 1943, Serial No. 478,173
4 Claims. (Cl. 20—55)

1. In a window embodying interior casing trim and a window sill, a storm window therefor, comprising a pair of sash members, each one half the width of the window opening, flanges on the edges thereof, the contiguous flanges at the center of the window being disposed in overlapped relation, moldings having grooves therein for the reception of the top and side flanges on said sash members secured to the top and side walls of the interior casing trim, a molding strip having a groove therein for the reception of the flange on the bottom of one of the pairs of sash members mounted on the window sill and a strip slidable between the other of the pair of sash members and the window sill for the retention of the flange on the top of the last named sash member within the groove in the contiguous top molding.

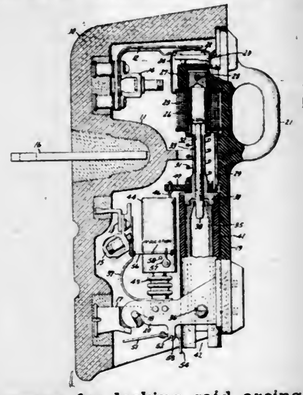


2,379,728
METHODS OF PREPARING POLYMERIZATION PRODUCTS
Eugene Lieber, West New Brighton, Staten Island, N. Y., and Harry T. Rice, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 24, 1941, Serial No. 416,352
6 Claims. (Cl. 260—683.15)

1. The process which comprises polymerizing aliphatic olefins having less than 10 carbon atoms per molecule in liquid phase with about .05–0.5 mol of a Friedel-Crafts catalyst per mol of olefin at a temperature not substantially above 200° F. without more stirring than a slight stirring at intervals no more frequent than about 60 minutes, and recovering from the reaction products a viscous oil having wax-modifying properties.

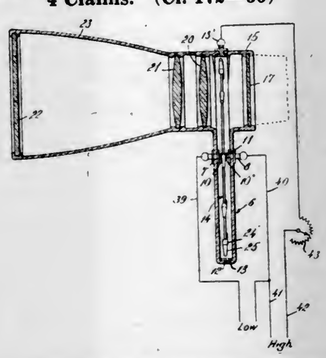
2,379,729
ELECTRIC CUTOUT
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 16, 1941, Serial No. 388,864
8 Claims. (Cl. 200—89)

1. A circuit interrupter comprising an insulating support having a pair of spaced contacts mounted thereon, an insulating member removably pivoted on said support, an electric circuit breaker unit mounted on said member and having a pair of terminals adapted to engage with said spaced contacts, said circuit breaker unit including a pair of arcing contacts and an electromagnetic coil connected in series between said terminals, means for effecting the reclosure of said arcing contacts following the opening thereof by said coil, means for delaying the reclosure of said arcing contacts and for locking said arcing contacts in a predetermined position after a predetermined number of successive reclosures, and means responsive to movement of said member away from said support for effecting the release



of said means for locking said arcing contacts in said predetermined position.

2,379,730
ANODE RING MOTOR
Ernest P. Longerich, Mahwah, N. J.
Original application July 16, 1942, Serial No. 451,182, now Patent No. 2,335,287, dated November 30, 1943. Divided and this application October 2, 1943, Serial No. 504,709
4 Claims. (Cl. 172—36)

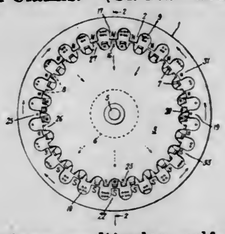


1. In combination, a rotatably mounted wheel, a substantially circular housing therefor, primary electron emitting means mounted on the periphery of said wheel, a stationary anode ring spaced from and surrounding the periphery of said wheel and anchored to the inner face of said housing, and means connected to said ring and emitting means for energizing said electron emitting means to cause rotation of said wheel.

2,379,731
OLEFIN ISOMERIZATION PROCESS
Sumner H. McAllister, Lafayette, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 24, 1942, Serial No. 432,111
5 Claims. (Cl. 260—683.2)

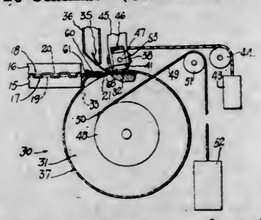
1. A process of producing beta butylene from a hydrocarbon mixture comprising isobutylene, alpha and beta butylenes and butanes which comprises extracting said mixture with sulfuric acid of less than 70% concentration to remove isobutylene therefrom without substantial polymerization, intimately mixing the remaining alpha and beta butylenes with about 0.3 to 1.5 volumes of sulfuric acid of about 70% to 75% concentration per volume of liquid hydrocarbon, at about 170° F. to 180° F. for about 5 to 30 minutes, separating the resulting mixture into a beta butylene-containing hydrocarbon phase and an acid phase without substantially reducing the concentration, on a hydrocarbon-free basis, of said acid, heating a portion of the separated acid phase under vacuum to effect removal of beta butylene therefrom, returning at least a part of the thus heated acid and another portion of said separated acid phase to contact with alpha and beta butylene-containing hydrocarbon, and distilling the separated hydrocarbon phase to recover beta butylene in a more concentrated form.

2,379,732
ALTERNATING CURRENT VERNIER MOTOR
William K. McIver, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application June 20, 1944, Serial No. 541,221
4 Claims. (Cl. 172—275)



1. A polyphase multipolar self-starting synchronous motor having a magnetic stator core member with 4 N evenly spaced teeth per pair of motor poles, N being any full number greater than one, a magnetic rotor member cooperating with the stator member having 8 N + 2 evenly spaced teeth per pair of motor poles, means for polarizing alternate rotor teeth at opposite magnetic polarity, a polyphase multipolar winding on the stator core having distributed, concentrated center coils with an extreme stator tooth pitch per pole phase belt of approximately but not greater than one less than the number of stator teeth per pair of motor poles divided by the number of phases of the winding, said winding having the coils of different phases overlapping, the air gap between stator and rotor being less than the spacing between rotor teeth and the rotor teeth having a peripheral width which is between one-half and the full peripheral width of the stator teeth.

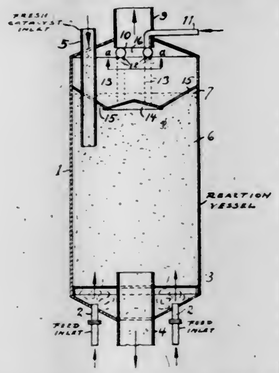
2,379,733
FLEXIBLE NEEDLE SEWING MACHINE
Morris S. Malek, New York, N. Y.
Application July 1, 1943, Serial No. 493,043
16 Claims. (Cl. 112—174)



1. A machine including means for crimping fabrics to be sewn by a long needle passing through

a multiplicity of crimps in a single stroke of the needle, a long flexible reciprocating needle, means for guiding said needle comprising a single angularly movable member having a continuous circular path for substantially the entire length of the needle adapted to bend the needle into the curved path during retraction of the needle, means whereby the rear end of the needle is secured to the member, means cooperating with the member to guide and maintain said needle in said curved path as the needle is being gradually released from that path during projection of the needle and angular movement of said member, whereby buckling of the needle along said curved path is prevented, and means for causing projection of the needle by causing angular movement of said member while maintaining a tension on the third mentioned means to prevent buckling of the part of the needle that is curved about the said member and is being driven from its rear end.

2,379,734
TREATMENT OF GASES
Homer Z. Martin, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 20, 1943, Serial No. 476,549
13 Claims. (Cl. 196—52)



1. In a process of removing gases from a hot zone in which such gases are moved upward through a dense phase consisting of a finely divided fluidized mass of solid material, then through a less dense phase consisting of gases with entrained solid material, and finally out of the zone at the top thereof, the method of preventing removal of entrained solid material with the gases which comprises causing the gases to pass through a downward moving shower of liquid, the said liquid entering the hot zone at a temperature substantially lower than its boiling point and projected into said zone at a velocity sufficient to cause the same to reach the said dense phase of fluidized material before becoming completely vaporized.

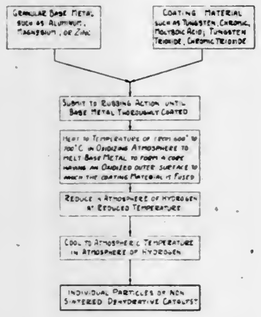
2,379,735
FLAME ARRESTER
John D. Meikle, Mount Lebanon, Pa.
Application October 9, 1941, Serial No. 414,308
2 Claims. (Cl. 220—88)

1. The combination with a liquid fuel storage tank and its respective filler pipe attached thereto, of a flame arrester attachment, comprising a closure head and a flexible tubular member attached at one end to said closure head and covered at its opposite end, means for fixedly engaging said closure head to said tank filler pipe, said tubular member comprising a spirally wound interlocking foraminous ribbon structure, providing means for adapting said tubular member to divers curved and bent tank filler pipes, and also means for restricting the free intermingling and flow of outside oxygen and the explosive gaseous vapors thrown off from liquid fuel within said tank, said flexible tubular member comprising



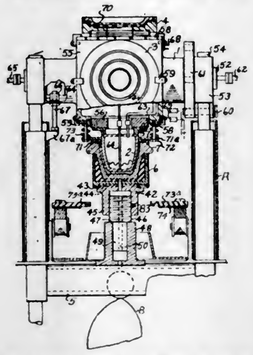
separate foraminous sections, and means for preventing the flow of said liquid introduced into said tubular member at another sectional portion of said tube, said means comprising an adjustable sleeve or cover element attached to the flexible tube member, whereby a predetermined portion of the foraminous area of the said tubular member may be selected to be blocked off and rendered ineffective as to the emitting of said liquid fuel from this covered area.

2,379,736
METHOD OF MAKING A CATALYST AND RESULTING PRODUCT
Harry Miller, Vandalia, Mo., assignor to National Agrol Company, Inc., New York, N. Y., a corporation of Delaware
Application November 6, 1939, Serial No. 303,168
6 Claims. (Cl. 252—213)



1. A method of forming a dehydrative catalyst comprising mixing a base metal selected from the group consisting of aluminum, magnesium and zinc, in major proportions sufficient to form a core, with a higher oxide selected from the elements of family A of the sixth group of the periodic system, heating the mixture in an oxidizing atmosphere to a temperature within the range of from 600 to 700° C. to melt the base metal and oxidize its outer surface without sintering the selected oxide, and then reducing the selected oxide to a lower oxide in an atmosphere of a suitable reducing agent.

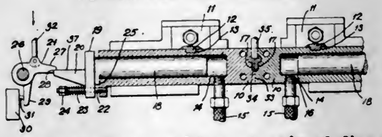
2,379,737
PRESSING APPARATUS FOR SHAPING CLAY AND METHOD OF OPERATION
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 3, 1938, Serial No. 205,711
29 Claims. (Cl. 25—27)



4. In a batting machine a movably mounted batting head, a mold and a support therefor said support comprising a body of shock absorbent material shaped to form a mold receiving socket the base of which cushions the mold and the wall of which centers and supports the mold against angular displacement.

11. The method of externally reinforcing a plaster dinnerware mold whilst clay is shaped on on the molding surface thereof which comprises inserting the mold into a cavity formed in a body of resilient material and then, incident to the shaping operation, contracting the wall of the cavity around the outside of the mold to grip and support it by pressing the mold against the bottom of the cavity.

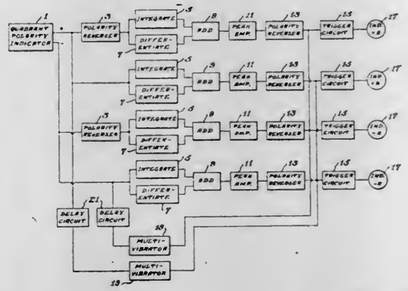
2,379,738
SERVO POWER APPLICATION TO DIES OF DIE-CASTING MACHINES
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application August 14, 1942, Serial No. 454,810
16 Claims. (Cl. 22—68)



1. In die casting machines, a pair of dies movable toward and from each other, mechanical means for actuating said dies, a member forming a backing for each die and movable relatively to the die, means for injecting a pressure medium between the die and said backing member to sustain the die in closed position, and a stop for said member adapted to be positioned in an operative or inoperative position.

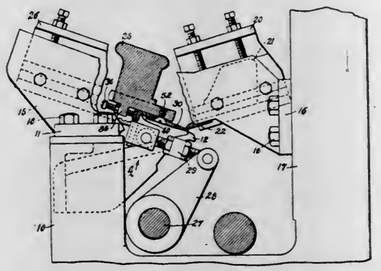
2,379,739
RANGE QUADRANT IDENTIFICATION CIRCUIT
Lowell E. Norton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1942, Serial No. 436,942
4 Claims. (Cl. 250—11)

1. In a system for course and quadrant identification of a four course simultaneous radio range, quadrant polarity indicator means having two output circuits and responsive to the phase relationship between the signals radiated by said range to provide output in one of said output circuits in response to the field of said range in a quadrant thereof arbitrarily designated as positive and output in the other of said output circuits in response to the field of said range in a quadrant arbitrarily designated as negative, said output being keyed in one of two complementary



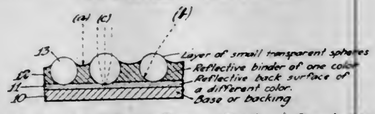
sequences in accordance with the signals emitted by said range, means connected to each of said output circuits and responsive to output of one of said sequences and an indicator connected thereto, means in each of said channels for converting output of the second of said sequences into output of the first of said sequences, and means connected to each of said converting means and responsive to said converted output and an indicator connected thereto.

2,379,740
ADJUSTABLE TUFT CUTTING KNIFE FOR AXMINSTER LOOMS
Albert Palmer, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1944, Serial No. 531,162
15 Claims. (Cl. 139—2)



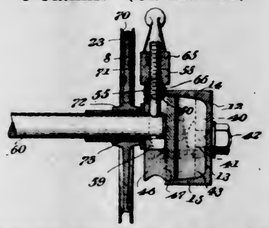
1. In tuft cutting mechanism for an Axminster loom, a knife bar extending across the loom, a cutter blade extending along said bar, a plurality of wedge shaped members located between said blade and said bar and tapered in a direction transversely of said blade, adjustable screws threaded into a portion of said bar and extending transversely of said blade, one screw for each member, means causing each screw and the associated wedge to move together transversely of said blade when the screw is turned in either direction relatively to said bar, and means holding the blade against said wedges and holding the latter against said bar.

2,379,741
REFLEX LIGHT REFLECTOR
Philip V. Palmquist, New Canada Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 23, 1943, Serial No. 473,346
12 Claims. (Cl. 88—82)



2. In a flexible reflex reflector sheet material adapted for use in making outdoor signs, a flexible back reflector, an overlying layer of small transparent spheres, and a reflective binder in which said spheres are partially embedded so that a reflecting spherical band or zone is provided around the lower side of each sphere to provide internal reflection of highly angular incident rays, the inner extremities of the spheres being clear thereof to permit light rays having a small angle of incidence to strike said back reflector, said back reflector and reflective binder being dissimilar in color reflecting properties so that the reflex reflecting appearance changes as the incident light angle varies from relatively small to relatively large.

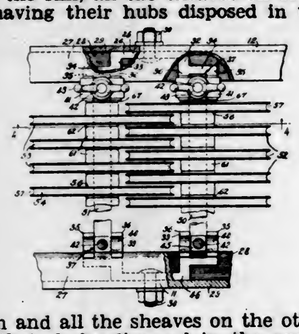
2,379,742
HARNESS MECHANISM FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 27, 1944, Serial No. 537,603
8 Claims. (Cl. 139—55)



1. In harness mechanism for a loom having front and back arches, a pair of blocks, one secured to each arch, a pair of shafts extending between and supported by said blocks, and a set of harness sheaves on each shaft, the sheaves of each set being equally spaced by a given distance and the sheaves of one set being staggered with respect to the sheaves of the other set laterally in the direction of the length of said shafts, a collar on one shaft between the block on the front arch and the corresponding set of sheaves and a second collar on the other shaft between the block on the back arch and the other set of sheaves, said collars having a width measured along said shafts equal to one-half of said given distance.

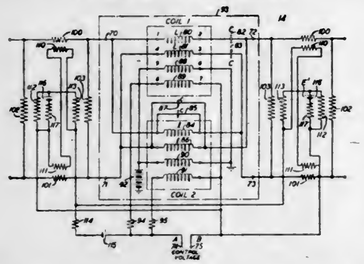
2.379.743
HARNESS CORD SHEAVE MECHANISM FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 3, 1944, Serial No. 538,599
9 Claims. (Cl. 139—55)

1. In harness cord sheave mechanism for a loom, a pair of horizontal parallel shafts, a set of sheaves on each shaft, said sheaves all being similar and each having a cord engaging rim and a hub extending unequal distances on opposite sides of the rim, all the sheaves on one of said shafts having their hubs disposed in the same



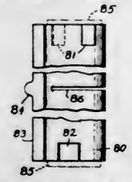
direction and all the sheaves on the other shaft having their hubs disposed in the opposite direction, and said hubs being so related to the rims as to cause the rims of one set of sheaves to be staggered laterally with respect to the rims of the other set of sheaves.

2,379,744
ELECTRIC CIRCUIT ARRANGEMENT EMPLOYING DELAY NETWORKS
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1942, Serial No. 436,978
11 Claims. (Cl. 178—44)



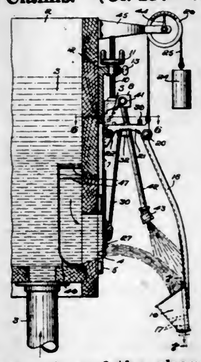
2. In combination, a delay network, an attenuating network in circuit therewith, signal generating means, and means under control of said signal for both automatically varying the delay in said delay network and simultaneously automatically varying the attenuation introduced by said attenuation network to compensate for the change in attenuation in said delay network resulting from varying said delay network.

2,379,745
APPLICATION OF WAX
Adolf Pischel and James P. McGreevy, New York, N. Y.; said McGreevy assignor to said Pischel
Application May 4, 1942, Serial No. 441,712
7 Claims. (Cl. 91—62.5)



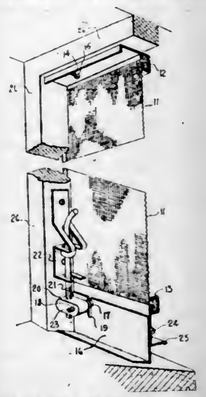
1. A scraping tool and holder for ski wax comprising in combination a split tubular member having a longitudinal slot along the surface thereof, and a scraping member formed by an upstanding, marginal edge portion of the slot, said tubular member being formed of rigid sheet material and having an internal dimension adapted to embrace and frictional hold a body of wax, whereby a handle and wax holder responsive to finger pressure is formed.

2,379,746
STOCK REGULATOR FOR PAPER MACHINES
Ernest A. Poirier, Waterville, Maine
Application June 11, 1942, Serial No. 446,567
5 Claims. (Cl. 137—68)



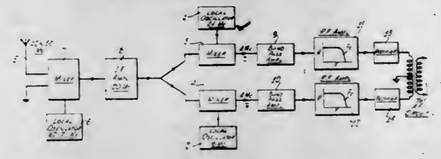
1. In an apparatus of the character described, the combination with a head box having an outlet for a stream of stock, of a main gate adjustable to vary the area of said outlet, a vane for engaging the stream of stock flowing through said outlet, means supporting said vane on said main gate for swinging movement about a horizontal axis, said vane having parts to be engaged by the forward and rearward portions of said stream, whereby it will be moved toward and from said gate by changes in contour of the stream, means for adjusting said main gate, a supplemental gate mounted on but adjustable independently of said main gate to change the area of said outlet, and connections between said vane and said supplemental gate for causing changes in the position of the vane to adjust said supplemental gate.

2.379.747
DETACHABLE FRAMELESS SCREEN
Harry P. Richards, Elmhurst, Ill.
Application September 9, 1944, Serial No. 553,302
8 Claims. (Cl. 160—328)



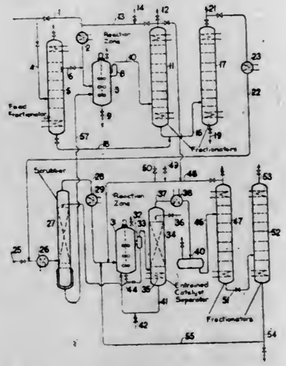
5. In a detachable frameless window screen comprising a wire screen, a top cross rail having a longitudinal groove and a slotted hole near each end and each slotted hole engaging a screw fixed to the window frame to hold said top cross rail against the window frame, in combination with a bottom cross rail having a longitudinal groove and stiffening ribs and flanges, a secondary bottom rail having a slot near each end and adjustably connected to the bottom rail, and means for facilitating adjusting and holding same in a fixed position in relation to the bottom rail and window sill.

2,379,748
FREQUENCY MODULATION DETECTOR CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 22, 1942, Serial No. 459,228
7 Claims. (Cl. 250—27)



1. In a detector for angular velocity-modulated carrier wave energy, at least one electron discharge device having appreciable electron transit time between the electron emitter and output electrode, said device being constructed and arranged to have a characteristic wherein output current depends upon input voltage frequency and falls sharply over a range of input frequencies, means to apply said modulated wave energy upon the input of said device, means for deriving modulation voltage from the output of said device, and a load circuit adapted to be supplied with said modulation voltage.

2,379,749
ISOMERIZING HYDROCARBONS
William E. Ross and Theodore Vermeulen, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 18, 1944, Serial No. 527,376
14 Claims. (Cl. 260—666)



1. The process for isomerizing naphthenic hydrocarbons having at least six carbon atoms to the molecule and containing at least five carbon

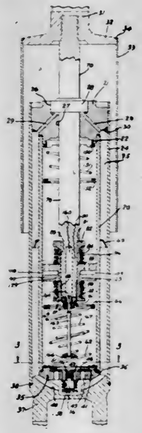
atoms in the ring to isomeric naphthenic hydrocarbons having at least six carbon atoms to the molecule and containing at least five carbon atoms in the ring which comprises contacting hydrocarbons consisting essentially of paraffinic hydrocarbons with a liquid catalyst comprising a metal halide of the Friedel-Crafts type at paraffin isomerizing conditions until said catalyst is at least partly spent with regard to ability to promote the paraffin isomerization reaction, separating at least partly spent catalyst from hydrocarbon reactants, extracting said separated catalyst with a substantially paraffinic hydrocarbon solvent, thereby separating said catalyst by solution into catalyst components soluble in said solvent and a liquid catalyst residue, and contacting hydrocarbons comprising said naphthenic hydrocarbons with said catalyst residue at naphthene isomerizing conditions thereby selectively converting naphthenic hydrocarbons having at least six carbon atoms to the molecule and containing at least five carbon atoms in the ring to isomeric naphthenic hydrocarbons having at least six carbon atoms to the molecule and containing at least five carbon atoms in the ring.

2,379,750

SHOCK ABSORBER

Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 22, 1943, Serial No. 503,379
14 Claims. (Cl. 188—88)



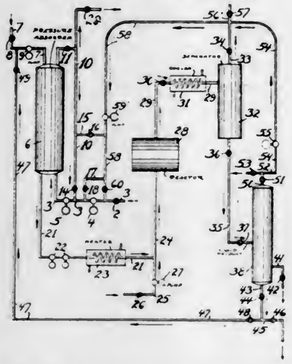
1. A hydraulic shock abosrber comprising in combination, a cylinder having an orificed end member communicating with a fluid reservoir, fluid displacement means in said cylinder comprising a piston having a plurality of fluid transfer passages and a rod for reciprocating said piston; a fluid flow controlling device yieldably urged upon each side of the piston, each device normally yieldably closing one end of a group of said passages; means yieldably supported in the cylinder adjacent each end, said means being adapted to engage the side of the piston adjacent thereto to close some of the passages open on said side of the piston for reducing the effective volume of fluid acting upon the fluid flow controlling device yieldably urged upon the opposite side of the piston; and means for controlling fluid flow through the orificed end member into and from the reservoir.

2,379,751

METHOD OF COMPRESSING GASES AND UTILIZING THE SAME

Francis R. Russell, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 2, 1941, Serial No. 372,813
12 Claims. (Cl. 196—9)



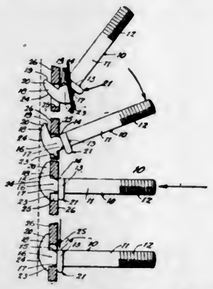
1. A process which comprises absorbing at least one non-condensable gas in a liquid absorbent at a temperature between about −30° F. and about 200° F. under a pressure between about 2 and about 1000 atmospheres, subjecting the fat liquor to an additional pressure of between 2000 and about 12,000 atmospheres subsequently adjusting the temperature between about −30° F. and about 800° F. and chemically reacting the non-condensable gases under these conditions.

2,379,752

BOLT AND MOUNTING THEREFOR

Frederick W. Schultz, Wichita, Kans.

Application May 15, 1942, Serial No. 443,085
14 Claims. (Cl. 189—35)



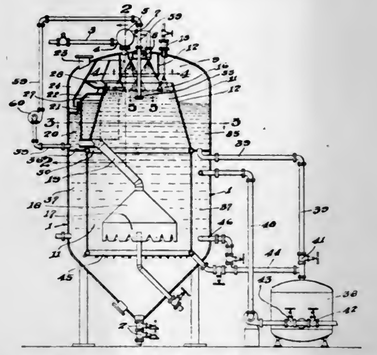
3. The combination with a plate-like portion of a structural member having a slot therein, of a collar bolt mounted in the slot for attaching other members to the structural member, the collar bolt comprising a threaded shank portion extending at right angles to the plane of the plate-like portion, a flat-sided neck portion adapted to fit between the sides of the slot, an elongated head having substantially the same width as the slot, the head extending downwardly in hooked engagement with the lower marginal edge of the slot, a collar encircling the sides and bottom of the neck, and disposed on the other side of the plate-like portion from the head, and in contact with the plate-like portion, the slot being longer than the transverse dimension of the neck in the direction of the length of the slot by an amount not less than the length of the downward extension of the bolt head, the top of the collar being severed, chordially, to provide rocking clearance, whereby the bolt is free for upward bodily movement to free the hooked lower end of the head for a rocking-out withdrawing motion of the neck and head from the slot.

2,379,753

WATER PURIFYING AND DEGASIFYING APPARATUS

Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application July 9, 1942, Serial No. 450,265
25 Claims. (Cl. 210—14)



1. The method of degasifying and purifying water which consists in spraying the raw water to be treated through a steam containing space to partially heat the water, delivering the partially heated water into a reaction chamber, spraying chemicals in finely divided streams through the steam containing space, imparting vigorous rotation to the water in the reaction chamber whereby the water and the chemicals sprayed through the steam containing space will engage and be mixed with the rotating mixture in the reaction chamber for mixing, settling out the foreign matter precipitated in the reaction chamber, passing the treated purified water together with incoming steam in the same direction through a confined passage to thoroughly mix the steam and water, delivering the stream of mixed steam and water into an area of lower pressure than in the confined passage to separate out released gases, and finally delivering the heated treated degasified water into a storage compartment.

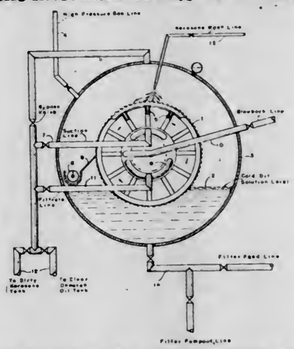
2,379,754

METHOD OF WASHING ROTATING DRUM FILTERS

John A. Selensky, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 1, 1940, Serial No. 349,243
3 Claims. (Cl. 210—201)

2. In the refining of waxes and mineral lubricating oils containing wax in suspension at relatively low temperatures, the step of cleaning filter surfaces of rotatable drum filters which comprises interrupting the flow of wax bearing feed to the filter drum, rotating the drum until all of previously deposited wax is removed from filter surface of rotating drum, then directing a stream of solvent liquid for wax against a limited area of the filter surface uppermost of the drum, maintaining a differential pressure across the filter surface inward through the drum within said limited area whereby the entire feed of solvent liquid is passed through the filter surface, slowly rotating the filter drum to bring successive portions of the filter surface into the limited cleaning



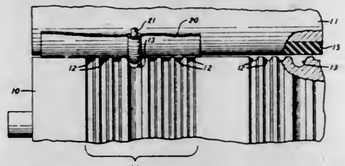
area, withdrawing the solvent liquid containing wax through the filter surface of the drum; then, after all the filter surface has been treated and the solvent liquid removed from within the drum, continuing the normal flow of the wax bearing feed under normal filter operating conditions and repeating the cycle as required.

2,379,755

METHOD OF HANDLING STRANDS

John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 14, 1941, Serial No. 406,853
3 Claims. (Cl. 92—41)



1. In a method of insulating an electrical conductor and which method includes a step of creating a tape of pulpous material containing a wire therein and a step of wrapping the tape about the wire to form a substantially seamless sheath about the wire, a step following the step of creating the tape and preceding the step of wrapping the tape which step consists in supporting the tape on one side thereof, and a step simultaneous therewith of exerting pressure on the tape on the other side thereof and only over a plurality of mutually laterally spaced longitudinal portions of the tape to create in the tape longitudinal strips which are thin, dense and tough intercalated with strips which are thick and fluffy.

2,379,756

INSULATING SHEATH ON ELECTRICAL CONDUCTOR STRANDS

John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 14, 1941, Serial No. 406,854
4 Claims. (Cl. 174—124)

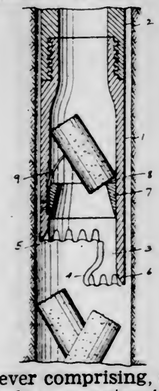
1. In an insulated electric conductor, a fibrous pulp material, an electric conductor embedded

in the pulp material, said pulp material having a ribbed flap portion to provide air ducts, and



said flap portion being wrapped around the embedded conductor.

2,379,757
CORE RETRIEVER
Louie F. Smith, South Houston, Tex., assignor of one-half to C. J. McWhorter, Harris County, Tex.
Application November 9, 1944, Serial No. 562,665
4 Claims. (Cl. 294—86)



1. A core retriever comprising, a tubular barrel whose lower end has an extension, at one side, which depends beneath the barrel, said extension being arcuate in horizontal cross section and having laterally extended wings at its lower end, an upwardly facing annular shoulder within the lower end of the barrel and a flexible inwardly curved finger in the barrel whose upper end extends above said shoulder and is free.

2,379,758
PARACHUTE CONSTRUCTION
Prevost F. Smith, Manchester, Conn., assignor to Pioneer Parachute Company, Inc., Manchester, Conn., a corporation of Connecticut
Application March 11, 1942, Serial No. 434,224
7 Claims. (Cl. 244—145)



1. In a parachute having a canopy formed of a plurality of panels secured together with their portions of greatest width located adjacent the skirt of the canopy, means for reducing shock loading of the parachute comprising flexible restricting means extending about the interior of the canopy and fixedly secured thereto at spaced points adjacent the skirt of the canopy said means being sufficiently shorter than the maximum expanded circumference of the skirt to limit expansion of the canopy during shock loading of the parachute to a diameter substantially equal to that which the canopy would assume under conditions of normal descent if said restricting means were not present.

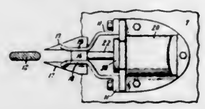
2,379,759
CHLORINATION OF ALIPHATIC ACIDS AND ESTERS
Le Roy U. Spence, Elkins Park, Pa., and Fritz O. Haas, Washington, D. C., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 26, 1942, Serial No. 444,524
6 Claims. (Cl. 260—487)

1. The process of preparing in preponderant amounts the monochloro derivatives of a compound from the group consisting of saturated aliphatic acids having from two to ten carbon atoms and esters of such acids and saturated aliphatic alcohols having a total of three to twelve carbon atoms, which comprises heating one mol of chlorine and between about two and about eight mols of the vapors of said compound to be chlorinated in a reaction zone, in the absence of a catalyst, at a temperature between about 250° C. and about 500° C. for a period of time from about one second to about thirty seconds.

2,379,760
MANUFACTURE OF ACETIC ACID
Hanns Peter Staudinger, Ewell, Karl Heinrich Walter Tuerck, Banstead, and Eric Harvey Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a company of Great Britain
Application July 15, 1942, Serial No. 451,072
In Great Britain June 17, 1941
18 Claims. (Cl. 260—530)

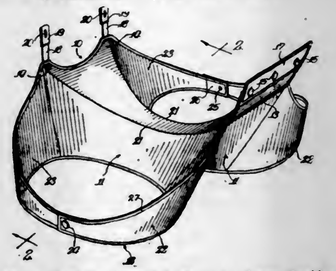
1. A process for the manufacture of acetic acid by the oxidation of acetaldehyde by means of molecular oxygen characterised by generating the acetaldehyde in situ by treating paraldehyde in a reaction vessel with a depolymerising agent therefor at a temperature below 80° C.; passing a gas containing molecular oxygen through said paraldehyde to oxidise the formed acetaldehyde therein and controlling the rate of depolymerisation by correspondingly adjusting the depolymerising temperature, the acidic strength of the depolymerising agent and the concentration of the latter so that acetaldehyde is formed at a rate not substantially in excess of the rate of oxidation thereof.

2,379,761
ELECTRIC SWITCH
Harold E. Strang, Ardmore, Pa., assignor to General Electric Company, a corporation of New York
Application July 9, 1943, Serial No. 493,979
8 Claims. (Cl. 200—48)



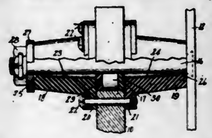
1. An electric switch comprising relatively movable cooperating contacts and means for removing ice and the like from said contacts adjacent their engaging portions comprising a member movably mounted adjacent one of said contacts and provided with means movable across said contacts when in the switch closed position and prior to relative movement thereof from said position for breaking ice away from said contacts upon movement of the member, and means for effecting the ice breaking movement of said member.

2,379,762
DETACHABLE SHIELD FOR FOUNDATION GARMENTS
Edward R. Sutter, Chicago, Ill., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1942, Serial No. 460,607
3 Claims. (Cl. 128—149)



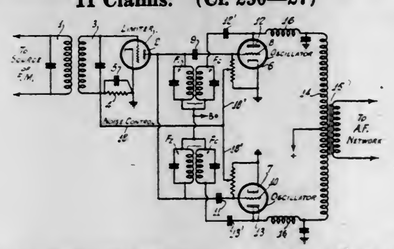
1. A detachable shield for a foundation garment comprising, in combination, a central piece of jersey material extending from front to rear of the shield and stretchable in that direction, said piece being narrowest at an intermediate point and becoming progressively wider in both directions away from the intermediate point, means at each end of said piece adapted to cooperate with means on the front and the back of a foundation garment for removably attaching said piece to the garment, an elongated piece of jersey material sewn to each side of said central piece to depend downwardly therefrom when the shield is suspended from a foundation garment, each of said elongated pieces having a straight bottom edge, a top edge equal in length to the side of said central piece and curving upwardly at its ends, and end edges cut on an inwardly angling bias, said pieces being stretchable longitudinally, a pair of extension pieces sewn to the ends of each elongated piece for anchoring the same snugly against the thigh of the wearer, each extension piece being generally triangular in shape with a straight bottom edge and an end edge sewn to the end of said elongated piece cut on the bias, and cooperating fastening means on the free end of said extension pieces for securing the same snugly about the thigh of the wearer, said extension pieces having a stretch circumferentially.

2,379,763
RESILIENT SUPPORT
Alva L. Sweet and Merton O. Bassett, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 7, 1942, Serial No. 457,593
7 Claims. (Cl. 248—358)



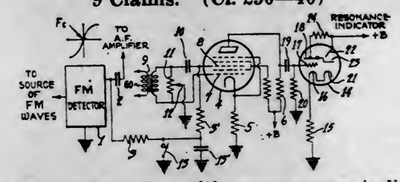
3. A shock protecting support for a panel for electric apparatus comprising a pair of members made of resilient material in engagement with opposite sides of said panel, a supporting body provided with spaced members engaging the opposite ends of said resilient members, said resilient members absorbing shocks applied to said support in a direction perpendicular to the plane of said panel, and additional resilient members mounted between an edge of said panel and said supporting body for absorbing shocks in the direction of the plane of said panel, said resilient members each being substantially rigid thereby initially to transmit a shock applied by said supporting body to said panel with a force increasing in substantially direct ratio to the movement of the support up to a predetermined value at which said resilient member collapses during a predetermined amount of continued movement of the support and thereafter again provides a substantially rigid connection.

2,379,764
FREQUENCY MODULATION DETECTION
Harry E. Thomas, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 6, 1942, Serial No. 446,027
11 Claims. (Cl. 250—27)



1. In combination with a source of angular velocity-modulated carrier waves, a demodulator which comprises an oscillatory network, said network comprising a pair of resonant circuits, one of said resonant circuits being tuned to a frequency located a predetermined frequency amount on one side of the mean frequency of said waves, the second circuit being tuned to a frequency located on the opposite side of said mean frequency at an equal frequency spacing value, means for applying said wave energy to both of said resonant circuits, an electron discharge system having an output circuit across which is developed modulation voltage, means for regeneratively feeding back to said two resonant circuits oscillatory energy of said mean frequency and a quick-acting gain control circuit connected to said applying means and responsive to sudden noise impulses, said control circuit having a connection to said electron discharge system for preventing operation of the latter for the duration of the impulses.

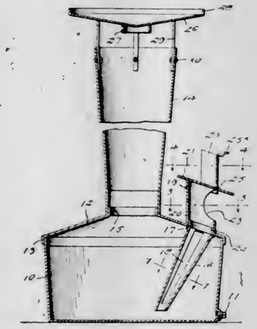
2,379,765
ANGLE MODULATED WAVE RESONANCE INDICATOR
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 13, 1943, Serial No. 486,775
9 Claims. (Cl. 250—40)



1. In combination with a resonance indicator tube for a frequency modulation receiver, a control circuit having input terminals upon which is applied alternating current voltage, means in the

control circuit normally balanced with respect to the applied alternating current voltage, means for producing an alternating control voltage in response to said first means becoming unbalanced relative to the applied voltage means responsive to the control voltage for regulating visual indications of said indicator tube, and additional means responsive to changes in the resonance condition of the receiver and applying a control voltage to one of said input terminals in a sense to disturb the balance of said electronic means.

2,379,766
OIL SMOKE GENERATOR
John Tweeddale, Torrance, Calif.
Application July 8, 1942, Serial No. 450,165
1 Claim. (Cl. 158—91)



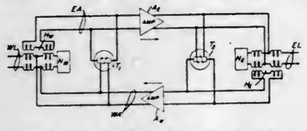
A device of the class described having a reservoir and a stack leading therefrom, a cover on the reservoir, a downdraft tube on the cover extending into the reservoir, an anti-flare shield coacting with the inlet of said downdraft tube and provided with an inlet opening, said shield comprising a conduit, and the downdraft tube having an upward extension forming a collar telescopically engaged by the conduit, a top on said conduit relatively large with respect thereto for blackout and anti-flare purposes, said top having a slot therein, and a closure movably mounted in said slot and slidable across said opening.

2,379,767
BRAKE FOR HEAVY VEHICLES
Irving R. Valentine, Erie, Pa., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 22, 1942, Serial No. 451,957
2 Claims. (Cl. 188—78)

1. In a device of the class described cooperating members which are placed in friction gripping engagement with one another, one of said members being S. A. E. 9255 steel and the other a high speed steel containing about 3.50 to 4.50% chromium, about 7.50 to 8.50% molybdenum, 1.25 to 2.00% tungsten and about .90 to 1.25% vanadium with the remainder substantially all iron.

2,379,768
TRANSMISSION CONTROL IN TWO-WAY SIGNALING SYSTEM
Kenneth G. Van Wynen, Ramsey, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1942, Serial No. 460,374
8 Claims. (Cl. 178—44)

1. In a two-way telephone system including two oppositely directed one-way transmission paths for the telephonic signals in opposite directions, each including amplifying means, means to prevent singing and suppress echoes in said system during signal transmission thereover in either direction, comprising two variable resistance devices the resistances of which vary non-linearly with temperature, means responsive to the amplified signal output of the amplifying

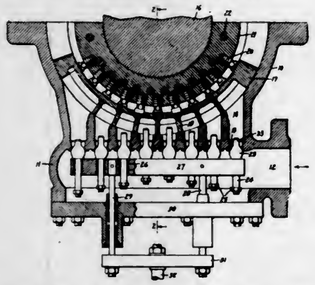


means in each of said paths to heat a different one of said variable resistance devices to a temperature which will produce a given change in the resistance thereof, and means responsive to said given change in the resistance of a variable resistance device in response to the amplified signal output of the amplifying means in one path when it is transmitting signals, to effectively insert an appreciable loss in the other path.

2,379,769
RUBBER COMPOSITIONS AND METHOD FOR RETARDING THE DETERIORATION OF RUBBER
Jerome R. Vinograd, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 26, 1944, Serial No. 519,980
19 Claims. (Cl. 260—809)

9. A stable, finely-dispersed anti-oxidant composition useful in preventing the aging of rubber, said anti-oxidant composition being prepared by mixing a detergent selected from the group consisting of higher aliphatic sulfonates and alkali metal salts of higher fatty acids and phenylnaphthylamine at a temperature in excess of the melting temperature of the phenylnaphthylamine, and contacting the resulting product with water containing a dispersing agent.

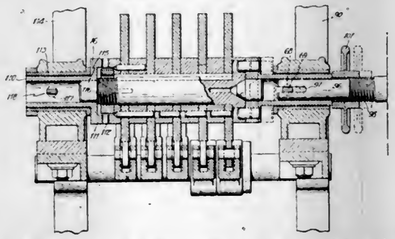
2,379,770
ELASTIC FLUID TURBINE
Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application April 25, 1944, Serial No. 532,606
3 Claims. (Cl. 253—39)



1. Elastic fluid turbine having a casing, a valve chest with an inlet opening and a plurality of separate outlet openings attached to the casing, and a valve mechanism for controlling the flow of elastic fluid through the several outlet openings comprising a bar disposed in the chest, a plurality of valves each having a stem loosely

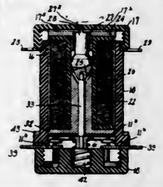
projecting through the bar and a stop at the outer end of the stem, the stems forming lost motion connections of different lengths with the bar, and means comprising an extension for each valve projecting into the respective openings in the fully open position of the valve to create a pressure drop across the several valves to maintain engagement between the stops and the bar in open valve position.

2,379,771
CAM ASSEMBLY
Curtis Weidauer, Manhasset, N. Y., and Karl A. Doehm, West New York, N. J., assignors to Samuel Briskman, New York, N. Y.
Application November 13, 1942, Serial No. 465,478
2 Claims. (Cl. 74—567)



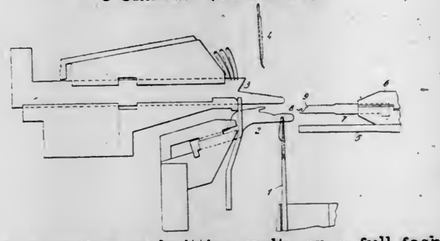
1. A cam unit comprising in combination, a shaft having a flange at one end, a plurality of cams removably mounted upon the shaft in spaced relation to one another, spacing rings removably mounted upon the shaft in interposed relation to the cams to maintain the spaced relation thereof, a driving ring mounted upon the shaft between one of the cams and the end of the shaft opposite to the end which has the flange, means for operatively connecting the cams, the spacing rings, and the driving ring to the shaft, means for operatively connecting the driving ring to the two cams next adjacent thereto and to the spacing ring interposed between said cams, separate means for operatively connecting the driving ring with the cam next adjacent thereto and said last mentioned spacing ring, and means cooperating with said flange for securing the cams, spacing rings and driving ring in position upon the shaft.

2,379,772
ELECTROMAGNETIC RELAY
Albert Wellman, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 2, 1943, Serial No. 500,992
4 Claims. (Cl. 200—111)



1. An electromagnetic relay comprising an open-ended cylindrical casing of non-magnetic insulating material provided with internal and external peripheral shoulders adjacent one end, said casing being slotted longitudinally at diametrically opposite points between said one end and said shoulders, an insulating washer seated on said internal shoulder to divide said casing into coil and contact compartments, a removable cylindrical liner of magnetizable material disposed within said coil compartment, a removable cylindrical energizing coil disposed within said liner, a magnetizable core centrally positioned in said coil and extending from said washer partially through said coil, a magnetizable plunger within said coil movable longitudinally into and out of engagement with said core, a pair of magnetizable disks disposed at opposite ends of said coil to complete a magnetic frame for said relay, one of said disks being attached to one end of said core and the other of said disks slidably receiving one end of said plunger, a pair of fixed contacts extending radially through the longitudinal slots of said casing into said contact compartment, a slidable actuating rod extending from said plunger through said core and into said contact compartment, a movable contact member mounted upon the extending end of said rod, a pair of end caps of non-magnetic insulating material attached to opposite ends of said casing to close said compartments and to hold the parts of said relay in fixed operative relation, and a compression spring interposed between the contact compartment closure cap and said movable contact member, said contact compartment closure cap clamping said fixed contacts in fixed position against said external casing shoulder.

2,379,773
METHOD OF PRODUCING WELTS
Oscar Worm, Chemnitz, Germany; vested in the Alien Property Custodian
Application November 29, 1940, Serial No. 367,846
In Germany October 31, 1938
5 Claims. (Cl. 66—96)

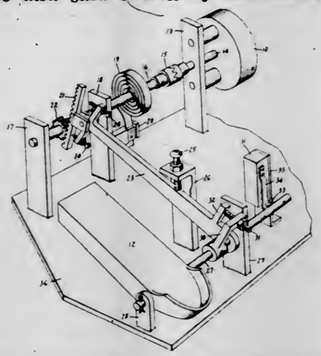


4. A method of knitting welts on a full fashioned knitting machine, which comprises the formation of a first course from a strand held by all the needles and by the corresponding hooks of the welt bar, transferring the loops of said first course from alternate needles to covering points, releasing the loops from the covering points while retaining the loops on the intermediate needles and the welt hooks, whereby each pair of loops between adjacent needles will be formed into an enlarged loop engaged by a pair of adjacent welt hooks, forming succeeding courses onto said first course, releasing said enlarged loops of the first course from said welt hooks onto said covering points, and then transferring said enlarged loops from said points again to said alternate needles.

2,379,774
CONTROL APPARATUS
Richard F. Wyer, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1943, Serial No. 471,171
15 Claims. (Cl. 201—48)

1. Apparatus comprising an adjustable impedance, a switch, means for connecting said switch

in shunt circuit with said impedance, an operating member biased to a predetermined position, and means for supporting said member for mutually exclusive operation of said adjustable impedance and said switch by movement thereof



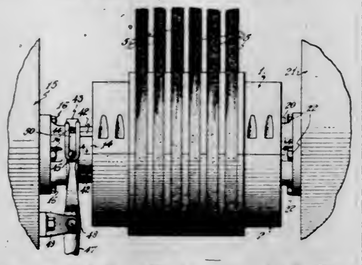
in zones extending in opposite directions from said predetermined position, movement of said member in one of said zones operating said switch and movement of said member in the other of said zones operating said adjustable impedance.

2,379,775

POWER TAKE-OFF

Joseph Eng Young, Newark, N. J., assignor to Couse Laboratories, Newark, N. J., a copartnership composed of Kibbey W. Couse and Murray Thompson

Application June 2, 1944, Serial No. 538,379
10 Claims. (Cl. 74—11)



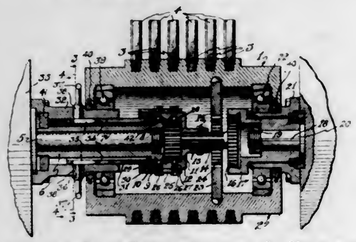
1. A power take-off structure including a cylindrical casting rotatably mounted at opposite ends on suitable supports, the casing being adapted to receive power-transmitting means on its exterior surface and having internally positioned clutch teeth, a driving shaft entering the casing at one end, a driven shaft entering the casing at the opposite ends and both shafts terminating within the casing, sleeves drivingly carried on each of said shafts and having annular rim portions with internal clutch teeth thereon, a gear type clutch positioned within the rim of the sleeve carried by the driving shaft and continually in mesh with the internal clutch teeth on said rim, the gear type clutch having an extension terminating outside the rim, the extension having an annular groove, a hollow circular member positioned around the said driving sleeve rim and having projecting parts carrying anti-friction members in said groove, and also having projecting arms extending through the casing longitudinally of the driving shaft and its sleeve, a collar fastened to said arms with means for engaging the collar to slide it and connected parts longitudinally of the shaft, a gear type clutch having a stem fastened to said first gear type clutch and adapted to be longitudinally moved by similar movement of the first gear type clutch into mesh with the housing clutch teeth or the clutch teeth on the rim of the sleeve carried by the driven shaft.

2,379,776

POWER TAKE-OFF

Joseph E. Young, Newark, N. J., assignor to Couse Laboratories, Newark, N. J., a partnership composed of Kibbey W. Couse and Murray Thompson

Application June 24, 1944, Serial No. 541,942
8 Claims. (Cl. 74—11)



1. A power take-off structure including a cylindrical casing rotatably mounted at opposite ends on suitable supports, the casing being adapted to receive power-transmitting means on its exterior surface and having interally positioned clutch teeth, a driving shaft entering the casing at one end, a driven shaft entering the casing at the opposite ends and both shafts terminating within the casing, sleeves drivingly carried on each of said shafts and having annular rim portions, that portion of the sleeve on the driven shaft having internal clutch teeth, while the sleeve on the driving shaft has external clutch teeth, a cup-shaped member having internal clutch teeth in continual mesh with the clutch teeth on the driving sleeve, a flanged collar carried on the outer periphery of the body of the cup-shaped member, an elongated cylindrical member slidably carried within one of said supports and having an annular flange on its inner end positioned between the end of the cup-shaped member and the flange on said collar, said cylindrical member having openings in its wall at the end opposite to its flange, cams positioned in said openings, means connected to said cams and extending through the support carrying the cylindrical member for turning the cams and thereby sliding back and forth the cylindrical member and the members engaged by its flange, said cup-shaped member having a projecting stem, a gear type clutch having a stud extending into said stem and fastened thereto, whereby when the aforesaid slidable parts are moved, the said gear type clutch may be connected either to the driven sleeve or to the internal clutch teeth fastened to the casing.

2,379,777

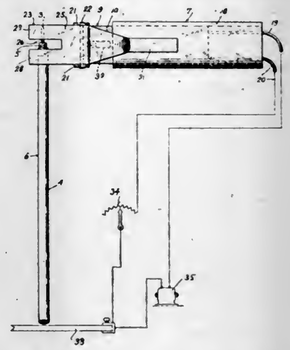
WELDING ELECTRODE HOLDER

Maurice L. Zeilstra, Richmond, Calif.

Application October 12, 1943, Serial No. 505,978
2 Claims. (Cl. 219—8)

1. A holder for a bipolar welding electrode, comprising a first elongated member having a handle on one end and a pair of contact-carrying jaws at the other end with its contacts insulated from each other, a second elongated member pivoted intermediate its ends to the intermediate portion of the first-named elongated member, said

second elongated member having a thumb piece on one end disposed beside said handle and a pair of contact-carrying jaws on the other end with its contacts insulated from each other, one contact of the first member cooperating with one contact of the second member for gripping one



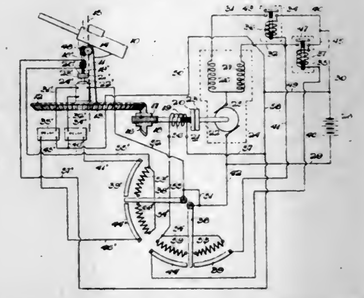
conductor of the electrode, the other contact of the first member coacting with the other contact of the second member for gripping the other conductor of the electrode, and a spring acting on said second member to swing the latter in a direction to cause said contacts to grip said conductors.

2,379,778

FIRE DIRECTOR

Joseph W. Allen, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 1, 1941, Serial No. 391,440
1 Claim. (Cl. 192—.02)



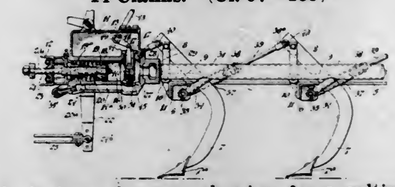
A power control system including a first reversible motor, a second reversible motor, a control column, means actuated by said control column and in circuit with each of said motors for selecting the direction of rotation of said motors in accordance with the direction of movement of said control column, electromagnetic clutch means in circuit with said motors and actuated by said control column, and continuously variable resistance means in circuit with said control column and said electromagnetic clutch means to transmit currents to said electromagnetic clutch means varying in accordance with the amount of movement of said control column from a determined neutral postion, whereby the torque transmitted to each of said motors through said electromagnetic clutch means will vary in accordance with the amount of movement of said control column from the neutral position.

2,379,779

STUMP-JUMP MECHANISM FOR AGRICULTURAL IMPLEMENTS

Roy Cecil Ash, Newtown, Geelong, Victoria, Australia, assignor to International Harvester Company, a corporation of New Jersey

Application September 23, 1943, Serial No. 503,479
In Australia October 22, 1942
14 Claims. (Cl. 97—183)



1. A stump-jump mechanism for a cultivating tool of an agricultural implement including a draft connection, and a pressure liquid system connecting the cultivating tool and the draft connection to maintain the tool in ground engagement in response to draft upon the draft connection, said pressure liquid system comprising, a pressure liquid cylinder, a piston axially movable in said cylinder by draft pressure, a subsidiary pressure liquid cylinder in sealed liquid flow communication with the first-mentioned cylinder, and a piston disposed within the subsidiary cylinder, externally coupled to the cultivating tool, and axially movable in response to the pressure transmitted by the displacement of pressure liquid under the axial movement of the firstmentioned piston, for the purpose herein specified.

2,379,780

HAIRSPRING MOUNTING

William Ogle Bennett, Jr., Lancaster Township, Lancaster County, and Ernest William Drescher, Manheim Township, Lancaster County, Pa., assignors to Hamilton Watch Company, Lancaster, Pa.

Application August 4, 1943, Serial No. 497,326
5 Claims. (Cl. 58—115)



1. A hairspring clamp comprising a collet formed with a recessed portion, a shoulder for said portion, a U-shaped clamping member engaging said recessed portion and receiving said hairspring, means for clamping said hairspring between said U-shaped member and said shoulder, where said clamping point is in a single plane, normal to the length of said hairspring.

2,379,781

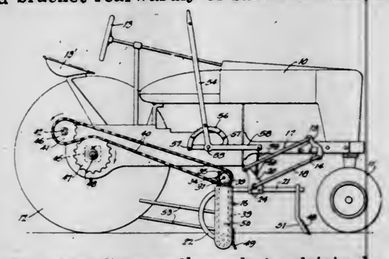
AGRICULTURAL IMPLEMENT

Frederick T. Blaydes, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application May 31, 1943, Serial No. 489,151
2 Claims. (Cl. 97—42)

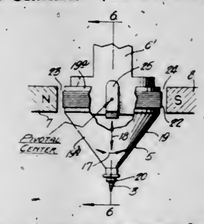
1. The combination with a tractor having dirigible front wheels, a transverse rear axle and rear drive wheels, of vertically spaced substantially parallel links supported upon the forward portion of the tractor and extending rearwardly therefrom, a cultivator rig supported upon said links at the free ends thereof for vertical movement, raising and lowering means mounted upon the side of the tractor and connected to said rig for effecting vertical movement thereof, a trans-

verse rotary rod mounted on said ring to travel below the surface of the ground in advance of said rear axle, a sprocket wheel on said rod, a bracket on the tractor adjacent said rear axle, an idling sprocket wheel rotatably supported on said bracket rearwardly of said rear axle, a for-



wardly extending endless chain drivingly connecting said idling sprocket wheel and the sprocket wheel on said rod, and a sprocket wheel on said rear axle arranged to drivingly engage the periphery of said chain, whereby the direction of rotation of said rod is the reverse of the direction of rotation of said drive wheels.

2,379,782
PHONOGRAPH PICKUP
Lloyd J. Bobb, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 11, 1943, Serial No. 502,003
15 Claims. (Cl. 179—100.41)

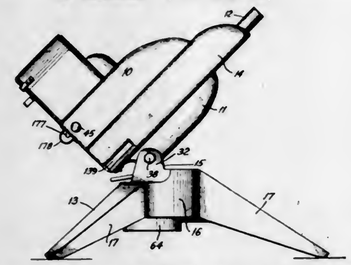


1. In a phonograph pick-up having a vertical axis, a magnetic field structure including a pair of opposed spaced poles at either side of said axis, a supporting element interposed between said poles and spaced therefrom to form two narrow magnetic flux-traversing gaps disposed at either side of said axis, a vibratory unit comprising a body member, a moving coil and a stylus, said body member being formed of thin sheet material and including a coil-carrying portion encircling said supporting element and disposed in both said gaps, said coil being wound on and carried by said coil-carrying portion and disposed in said gaps, said stylus being displaced from said coil lengthwise of said vertical axis, said body member including a second portion rigidly connecting said stylus with said coil-carrying portion and operative to transmit vibratory movements of said stylus to said coil-carrying portion and thence to said coil, and resilient means interposed between said supporting element and the interior of said body member and functioning to attach said vibratory unit to said supporting element, said resilient means engaging said body member at opposite points interiorly of said coil-carrying portion and serving as resilient pivots to permit said vibratory unit to oscillate rotationally in response to lateral oscillatory movements of said stylus, said resilient means being further characterized in that it yields readily to small amplitude oscillatory movements of said unit in the direction of said vertical axis.

2,379,783
METHOD FOR THE PRODUCTION OF A HOLLOW TEXTILE MATERIAL
Orlow William Boies, Wethersfield, and Harold Oliver Taylor, Rocky Hill, Conn., assignors to The Hartford Rayon Corporation, Rocky Hill, Conn., a corporation of Delaware
No Drawing. Application July 8, 1941, Serial No. 401,520
9 Claims. (Cl. 106—122)

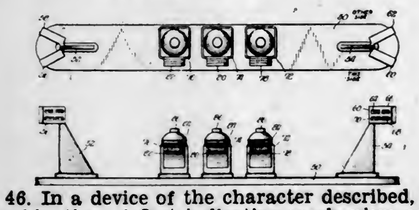
1. A method for the preparation of a spinning solution for hollow textile material, which comprises preparing a solution containing an alkali metal hydroxide and a carbonate, and then admixing a coagulable material belonging to the group consisting of cellulose esters and a cuprammonium solution of cellulose therein.

2,379,784
GUN
Samuel Brand, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 6, 1943, Serial No. 474,936
3 Claims. (Cl. 124—6)



1. A gun for projectiles comprising a frame structure; a barrel mounted in said frame structure and including a breech end and a muzzle end; means for mechanically propelling a projectile fed into said breech, through said barrel and out said muzzle; and means for feeding projectiles into said breech comprising means defining a surface shaped to guide projectiles into feeding position where they can be moved axially into said breech, a sprocket including teeth spaced to engage successively the projectiles and cooperating with said guide surface to move the projectiles therealong and into said feeding position, a feed roller including a friction tread and rotatable in a plane approximately parallel with the gun axis and positioned behind said breech end and where a projectile as it is moved into said feeding position is forced into frictional engagement with said friction tread, and means for rotating said feed roller in a direction to move the projectile into said breech end.

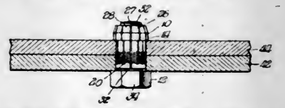
2,379,785
LIQUID DISPENSING APPARATUS
Kenly C. Bugg, Fort Wayne, Ind.
Application September 4, 1941, Serial No. 409,570
46 Claims. (Cl. 177—351)



46. In a device of the character described, the combination of first indicating mechanism com-

prising indicators, second indicating mechanism comprising indicators, electrical switch mechanism including individual switching means for separate denominations for controlling operation of said first indicating mechanism, electrical switch mechanism including individual switching means for separate denominations for controlling operation of said second indicating mechanism, operating means for operating said first switch mechanism, variable settable operating means operated by said first named operating means for operating said second named switch mechanism in different selected predetermined relations to the first switch mechanism, and means associated with said switch mechanisms for causing each individual switching means of each switch mechanism to affect operation of the individual switching means of the other switch mechanism after a predetermined operation of the switch mechanism affecting the operation of the other, to thereby insure proper relative indications of the indicating mechanisms in accordance with the operation of the first named operating means.

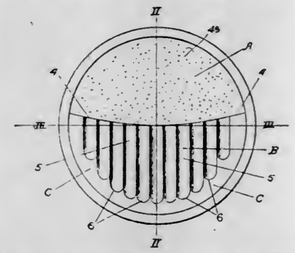
2,379,786
FASTENER
Kenly C. Bugg and Harry L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg
Application October 2, 1943, Serial No. 504,670
7 Claims. (Cl. 85—40)



2. A fastener adapted to be inserted through aligned apertures of members to be secured together, comprising a locking member and a sleeve, said sleeve having a head and an internally threaded shank, said shank being adapted to lie entirely within said apertures, said head being provided with a shoulder adapted to be moved to engage one of the first named members, the diameter of said shank being substantially that of the diameter of the aligned apertures, said head being slitted and said shank being partially slitted to form fingers, said fingers being normally biased inwardly to a position where the diameter of the head and shoulder is no greater than the diameter of the shank when the fingers are in unbiased condition whereby the head is insertable through said aligned apertures, the locking member having a head and a shank tapered adjacent its free end, but conforming to the internal diameter of the sleeve for the remainder of its length, the threaded shank being adapted to extend within the sleeve shank and adapted to engage complementary threads therein, movement of the locking member axially of said sleeve causing the heads to approach each other into fastening relation with said first named members and causing said fingers to be bent outwardly whereby the shoulder of said first named head is adapted to overlie said first named members.

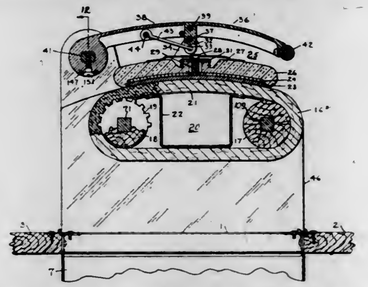
2,379,787
CONTROLLED BEAM HEADLIGHT LENS
Albert L. Chauvet, Piedmont, Calif.
Application August 3, 1942. Serial No. 453,361
2 Claims. (Cl. 240—41.4)

1. A circular headlight lens of the character described presenting an outer convex surface and an inner concave surface, said lens having substantially its upper half portion treated to retard the passing of light rays therethrough, a continuous series of substantially parallel vertically disposed concave flutes formed in the inner face of the lower half surface of the lens to refract rays passing therethrough and covering the major portion of the lower half of the lens, said flutes terminating at their lower ends short of



the peripheral edge of the lens, leaving a narrow unobstructed arcuate peripheral area throughout substantially the lower half of the lens between said lower ends of the flutes and the peripheral edge of the lens and permitting free passage of light rays therethrough.

2,379,788
IRONING MACHINE
Kendall Clark, South Bend, Ind.
Application May 21, 1938, Serial No. 209,227
9 Claims. (Cl. 38—11)

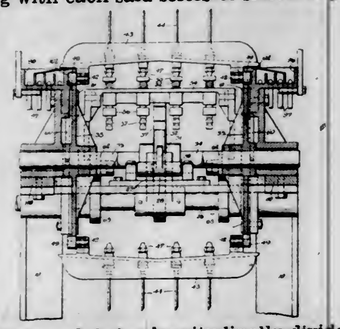


1. An ironing machine comprising an endless moving belt conveying articles to be ironed, a heated ironing element, power means, transmission means between said power means, belt and ironing element, controllable means responsive to motion of the operator's foot for actuating said transmission means to cause said power means initially to move said ironing element at a rapid rate into engagement with said belt and thereafter to apply a variable pressure proportionally to the pressure of the operator's foot, and controllable means responsive to motion of the operator's foot for actuating said transmission means to cause said power means to rotate said belt and to vary the speed of rotation of said belt in response to movement of the operator's foot.

2,379,789
AMPULE CLEANSING MACHINE
Frank Cozzoli, Plainfield, N. J.
Application September 13, 1941, Serial No. 410,727
3 Claims. (Cl. 134—72)

1. In a conveyor type washing machine, a continuous linked belt, each of the links of said belt comprising an elongated run-off trough for discharge fluids, said trough being transversely disposed to the direction of movement of the belt and open at both ends, a series of sluice-ways sit-

uated at each end of said run-off troughs and communicating therewith, said sluice-ways being of staggered lengths, a receiving trough communicating with each said series of sluice-ways, said



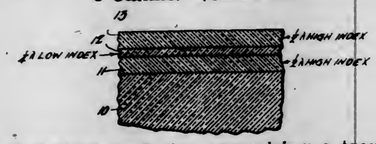
receiving trough being longitudinally divided into separate channels, each channel communicating with a separate sluice-way, and a lead-off conduit commnuicating with each said channel at the discharge point of said channel.

2,379,790

DICHROIC REFLECTOR

Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application March 31, 1942, Serial No. 436,998
5 Claims. (Cl. 88—1)



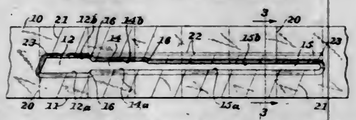
1. A dichroic reflector comprising a transparent support, a transparent layer on a surface of said support having an effective optical thickness of one-half of the wave length of light to be transmitted by said support and an index of refraction higher than that of said support, a second transparent layer superimposed on said first layer and having an effective optical thickness of one-quarter of said wave length and an index of refraction lower than that of said first layer, and a third transparent layer superimposed on said second layer and equal in thickness and index to said first layer, the indices of refraction of said support and said layers being such that the algebraic sum of the amplitudes of light reflected from said surface and the surfaces of said layers, having regard to their phase, is substantially zero at one wave length and substantially a maximum at another wave length.

2,379,791

DRAFTING INSTRUMENT

Gregory S. Dolgorukov, Detroit, Mich.

Application April 9, 1943, Serial No. 482,432
9 Claims. (Cl. 33—174)



1. In a lettering guide, a body having a straight guiding edge, said body being provided with at least two longitudinally adjacent slots having edges extending parallel to said guiding edge, the lower edges of said slots extending along the same straight line, one of said slots being narrower and having length sufficient to provide for lettering therethrough of more than one character without shifting the device.

2,379,792

HYDRAULIC MEDIA FOR LOW TEMPERATURE OPERATION

Theodore R. Donlan, Union, N. J., assignor, by mesne assignments, to Standard Alcohol Company, Linden, N. J., a corporation of Delaware

No Drawing. Application December 17, 1941, Serial No. 423,301
6 Claims. (Cl. 252—78)

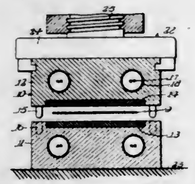
1. A non-corrosive mixture of an aqueous solution of an alcohol containing a small quantity of lecithin and an inert film-forming hydrocarbon oil of distillation range between that of naphtha and a light lubricating distillate.

2,379,793

METHOD OF MANUFACTURING TRANSPARENT BODIES WITH ITEMS EMBEDDED THEREIN

Robley E. Eenigenburg, Chicago, Ill., assignor of one-half to Elmo F. Brennom, Chicago, Ill.

Application January 8, 1943, Serial No. 471,701
2 Claims. (Cl. 18—59)



1. That improvement in the manufacture of an article in the form of a one-piece transparent body with an item embedded therein, which comprises taking a pair of mold pieces having complemental open faced cavities therein and over filling each of the cavities with a plastic mass of material that is capable of solidifying and becoming transparent in the presence of pressure and heat, then interposing between the cavity equipped faces of the mold pieces a rigid plate and bringing the pieces while unheated into clamped relation with the plate so as to compress and level off the material in the cavities, then separating the mold pieces and removing the plate, then placing the item on the levelled off face portion of the material in one of the cavities, and finally again clamping the mold pieces together with the cavities facing one another and applying heat to said pieces so as to solidify, unite, and render transparent the material in the two cavities.

2,379,794

LOCK NUT

Otto Egert, London, England

Application January 29, 1943, Serial No. 473,995
In Great Britain January 27, 1942
5 Claims. (Cl. 151—20)

1. A nut comprising a body having a threaded bore and being slotted inwardly through one face whereby adjacent portions of the body may be relatively displaced in the direction of the axis of the bore, and step like means at the object engaging end of said body for effecting relative displacement of said portions as the body is advanced against an object along the thread of a



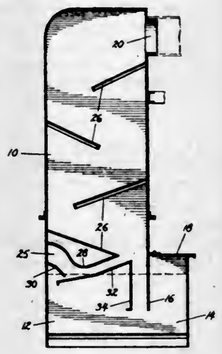
bolt and thereby cause the body thread to firmly grip the bolt thread.

2,379,795

AIR WASHER

Orrin E. Fenn, Detroit, Mich., assignor to Peters-Dalton, Inc., Detroit, Mich., a corporation of Michigan

Application June 28, 1943, Serial No. 492,510
3 Claims. (Cl. 183—24)



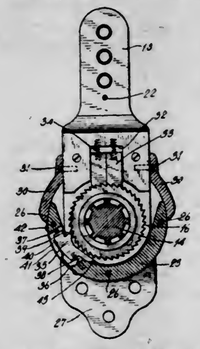
1. Apparatus for removing foreign material from air comprising an upright casing having an air outlet at the top and having a water reservoir in its bottom portion, a plurality of baffles projecting alternately from opposite side walls of the casing inwardly and downwardly into spaced overlapping relationship above the water level, an air inlet into the casing through the side wall from which the lowermost baffle projects below said lowermost baffle and above the water level, an air deflecting plate extending from the upper margin of the air inlet downwardly and inwardly of the casing toward the water level and turning upwardly from a point spaced above the water level and extending therefrom to the inner margin of the lowermost baffle, a flow plate extending from a point within the casing spaced below the air inlet and below the water level and spaced from the wall of the casing provided with the air inlet upwardly at an angle of less than 45° toward the opposite side wall of the casing and terminating spaced above the water level at a point between said opposite side wall and the margin of the lowermost baffle, means for drawing an air stream into the casing through the inlet and below the deflecting plate and upwardly over the flow plate at such a velocity as to sweep water upwardly over the flow plate across the space between the margin of the lowermost baffle and the opposite side wall of the casing and into the space above the lowermost baffle, and a partition wall extending downwardly from the inner margin of the flow plate spaced from and substantially parallel to that side wall of the casing opposite the air inlet and terminating spaced below the water level above the bottom of the casing.

2,379,796

BRAKE OPERATING MECHANISM

Leon T. Freeman and Roy H. Shively, Scranton, Pa., assignors to Chester H. Shively, Fremont, Ohio

Application October 1, 1942, Serial No. 460,336
7 Claims. (Cl. 188—196)



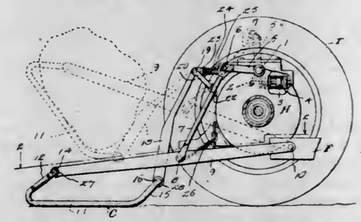
1. Brake operating mechanism comprising in combination, a cam operating shaft, a ratchet gear secured on said shaft, a fixed cylindrical casing including an arcuate casing shell open at the top and arcuate end plates secured to the shell, an operating arm having bifurcated inner ends mounted to turn about the axis of said shaft, said arm ends being arcuate to fit the interior surface of the shell and said arms filling the space between the sides of the ratchet gear and the end plates of the casing, a spacer closing the space between said arm ends above the ratchet gear, a collar secured to said arm, said collar having an arcuate inner surface closely fitting the outer peripheral surface of the shell and the end plates to maintain a seal in all operating positions of the arm, an operating pawl carried by said arm, and an adjustment pawl carried by said shell.

2,379,797

STONE CARRIER ATTACHMENT FOR TRACTORS

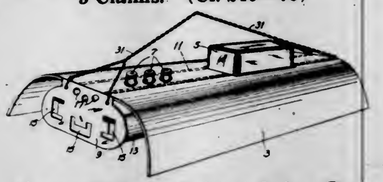
Lloyd Gilbert, Ravenna, Mich.

Application December 3, 1943, Serial No. 512,813
5 Claims. (Cl. 214—130)



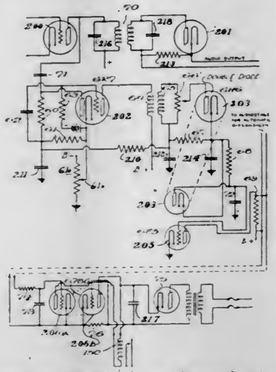
1. A stone carrier attachment for use in connection with a vehicle including power operated rock arms at an end thereof, members having pivotal connection with the vehicle at an end thereof, means connecting said members to the rock arms for raising and lowering the members upon swinging movement of the rock arms, a carriage positioned between the forward portions of the members comprising an open frame having upstanding front posts pivotally coupled with the forward extremities of the members, spaced side portions and a rear cross member, and a rigid upstanding back bar pivotally coupled with the rear cross member of the carriage and with the vehicle.

2,379,798
LIGHTING FIXTURE
Edwin F. Guth, Florissant, Mo.
Application December 26, 1942, Serial No. 470,231
5 Claims. (Cl. 240—78)



1. A lighting fixture for tubular fluorescent lights comprising a supporting channel, end plates attached to said supporting channel, lamp sockets for supporting said tubular fluorescent lamps, a reflector supported by but not attached to said supporting channel, and supports for said lamp sockets, the plane of one of said supports being positioned at an angle with respect to the plane of another of said supports, said supports having been relieved from said end plates.

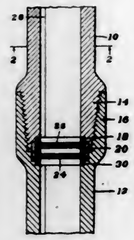
2,379,799
RADIO CONTROL UNIT WITH INTERFERENCE SUPPRESSION
Carleton D. Haigis, Martinsville, N. J.
Original application December 28, 1939, Serial No. 311,233. Divided and this application February 9, 1942, Serial No. 430,131
14 Claims. (Cl. 250—20)



1. In a radio receiver, a thermionic tube having input and output circuits, the input circuit comprising a resistor and capacitor network, the output circuit being constituted by a resistor, a pair of rectifier devices for deriving two potentials each substantially proportional to received interference, connections for impressing the said potentials in opposing balanced relation across said input circuit to provide substantially zero grid-potential independent of interference-level, and means connected to one of said rectifier devices for controlling the potential derived therefrom to impress a blocking potential across said input circuit upon reception of a carrier-wave.

2,379,800
SIGNAL TRANSMISSION SYSTEM
Donald G. C. Hare, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 11, 1941, Serial No. 410,368
3 Claims. (Cl. 175—356)

1. A pipe coupling for connecting together adjacent ends of a pair of pipes adapted to conduct a fluid, said coupling comprising annular members on the ends of said pipes adapted to be connected together in juxtaposition so that the adjacent ends of the pipes will be in contact with each other, each of said members having an annular groove concentric with the pipe and disposed so as to be out of the path of a fluid flowing through said coupling, and a separate coil winding disposed in each of said grooves, said windings forming an electrical transformer when said members are connected together to make up said coupling.

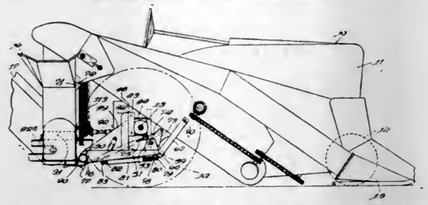


2,379,801
METHOD OF PRODUCING STEPPED WIRE
Ralph Walter Henry, Manor Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application May 3, 1943, Serial No. 485,501
2 Claims. (Cl. 205—21)



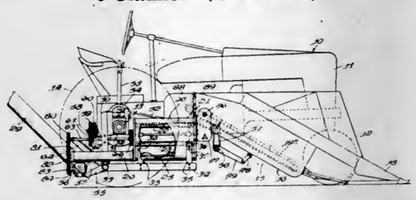
1. A method of drawing wire consisting of threading a plurality of dies having gradually decreasing diameters on said wire, said dies being threaded successively and each die completely carried through its operation before the next successive die is threaded on the wire, anchoring one end of the wire, moving the die having the largest diameter substantially the full length of the wire, retaining a short length of the wire of original diameter, moving the next die in decreasing order of diameter size along the length of the wire, terminating the movement of said second mentioned die at a distance from the end of the wire sufficient to retain a portion of the wire of a diameter equal to the first mentioned die, moving a third die in decreasing order of diameter along the wire a distance to leave a predetermined amount of wire equal in diameter to the diameter of said second mentioned die, moving a fourth die in decreasing order of diameter along the wire a distance to retain a length of wire equal to the diameter of the third mentioned die, moving a fifth die along the wire a sufficient distance to retain a portion of the wire equal to the diameter of the fourth mentioned die and moving a sixth die along the wire a distance sufficient to retain a portion of the wire equal in diameter to the fifth mentioned die and an additional portion of the wire equal in diameter to the sixth mentioned die, spooling the wire from the large end, the dies being arrested by a trough, the wire being drawn completely through the dies, leaving said dies in graduated position in the trough.

2,379,802
HARVESTER CONSTRUCTION
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 14, 1942, Serial No. 450,903
25 Claims. (Cl. 56—15)



1. In combination, a tractor having a narrow body, a rear axle, and traction wheels on the axle spaced from the body, a supporting framework comprising brackets secured to the rear axle and extending rearwardly and downwardly therefrom, a transverse member secured to the brackets and extending in spaced parallel relation to the axle rearwardly thereof and below the level thereof and outwardly of the brackets, longitudinal members secured to the ends of the transverse member and extending forwardly to a point generally beneath the rear axle, extension pieces secured to the brackets and extending therefrom forwardly beneath the rear axle, husking means positioned at the rear of the tractor, means mounting the husking means on the transverse member, gathering units extending along opposite sides of the tractor body over the tractor axle between the wheels and the body, means connecting the rear ends of the gathering units with the husking means, and means connecting mid-points of the gathering units with the extension pieces and the forward ends of the longitudinal members.

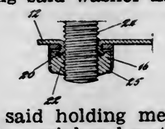
2,379,803
HARVESTER
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 30, 1942, Serial No. 463,929
9 Claims. (Cl. 56—18)



1. In combination with tractor having a rear axle, means for gathering corn, means mounting the gathering means upon the tractor, means adjacent said gathering means for shelling corn, means mounting the shelling means upon the tractor, means for conveying shelled corn from the shelling means beneath the rear axle from one side thereof to the other side, and means mounting the conveying means upon the tractor.

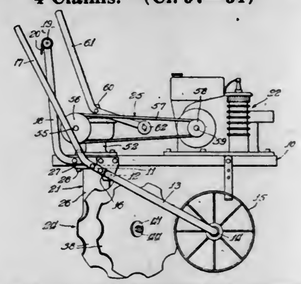
2,379,804
HOLDFAST MEANS FOR SCREW BOLTS
David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application July 2, 1943, Serial No. 493,261
5 Claims. (Cl. 85—32)

1. Holdfast means for screw bolts, comprising a member having a screw-threaded aperture therein, a washer-like member adapted to have a thread cut therein by a screw bolt, a holding member engaging said washer-like member and



having a hole, said holding member being secured in place by peripheral metal of said aperture being extruded through said hole and overlying the surface of said holding member.

2,379,805
AGRICULTURAL IMPLEMENT
Edward A. Johnston, Los Angeles, Calif., assignor to International Harvester Company, a corporation of New Jersey
Application May 29, 1942, Serial No. 444,967
4 Claims. (Cl. 97—34)

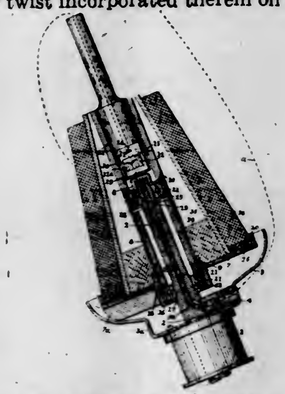


1. An agricultural implement comprising a wheeled frame, a supporting housing carried by and depending from the frame and having its lower portion provided with a pair of generally horizontally opposed openings, a driving shaft journaled in the housing and having its lower end in proximity to the aforesaid openings, driving means carried by the frame and connected to the upper end of the shaft, a bevel gear carried by the lower end of the shaft, a pair of secondary housing parts secured respectively over the openings in the supporting housings, a pair of shafts journaled respectively in said housing parts and having their outer ends extending therefrom, a bevel gear on one shaft meshing with the bevel gear on the driving shaft, a second bevel gear on the other shaft meshing with the bevel gear on the first driven shaft, and a plurality of implement means driven by the driven shafts.

2,379,806
DOUBLE TWIST TWISTER
Frederick J. Kent, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New York
Application May 5, 1944, Serial No. 534,283
2 Claims. (Cl. 57—58)

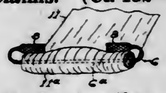
1. A double-twist yarn-twister including an upright spindle-including structure rotative around the axis, and having an axial yarn-bore extending downwardly from the upper end of and discharging laterally, of the spindle, a non-rotative structure arranged on the first-named structure above the discharge end of said yarn-bore and including a carrier coaxial with, and journaled on and penetrated by said spindle of, said first-named structure and a yarn-package penetrated and carried by the carrier, the second-named structure extending above the spindle and having a yarn-bore substantially coaxial with the first-named yarn-bore, said first-named structure

having, formed around its axis and below the carrier, a yarn-contact surface to which said discharge-end is open, and means carried by the second-named structure above the spindle to tension the yarn and limit backward travel of the primary twist incorporated therein on rotation of



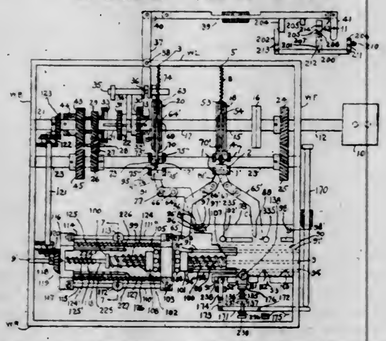
the first-named structure, said means including a pair of lengthwise circumferentially fluted intermeshing rolls freely rotative in said second-named structure with their axes crossing the first-named axis and one of which is normally urged into clamping relation to the yarn extending between them.

2,379,807
HAIR CURLER
Harry H. Klein, Woodhaven, N. Y.
Application July 3, 1943, Serial No. 493,346
2 Claims. (Cl. 132—43)



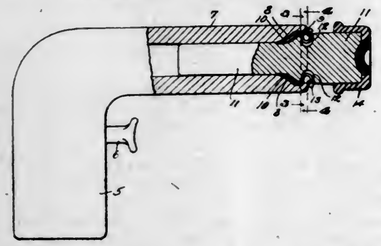
1. A hair curler having the combination of a flexible flat metallic bar, said bar having each of its end portions tapered in the plane and contour of its width and thickened in a plane perpendicularly to said width, and said bar being covered by an envelope.

2,379,808
AUTOMATIC TRANSMISSION
Clive W. Lanphere, New York 52, N. Y.
Application August 24, 1943, Serial No. 499,864
18 Claims. (Cl. 74—260)



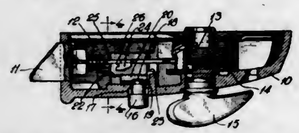
1. In a mechanism, a single planetary means including in combination a carrier means, planet gears thereon, and an orbit gear cooperating with said planet gears, a plurality of lever means having fixed pivotal points for controlling said single planetary means, and a single means movable into and out of contact with said lever means for actuating said means.

2,379,809
SAFETY RIVET SET
William R. Lawler, Burbank, Calif.
Application August 6, 1943, Serial No. 497,661
1 Claim. (Cl. 279—19.5)



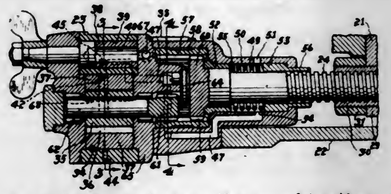
In a rivet setting gun, a gun barrel having internal longitudinal grooves formed at the open end thereof, said grooves presenting shoulders at the outer end of the barrel, a rivet set movable within the end of the gun barrel and having longitudinal grooves, the latter grooves having inwardly curved portions, spring members secured within the grooves, the free ends of the spring members being curved to fit within the curved portions of the grooves of the rivet set, portions of the curved portions of the spring members adapted to contact the shoulders holding the rivet set within the gun barrel, the free ends of the spring members extending beyond the open end of the gun barrel and adapted to be depressed to disengage the shoulders whereby the rivet set may be disconnected from the gun barrel.

2,379,810
LATCH BOLT HOLDBACK
Charles Ledin and Philip T. Krause, Stamford, Conn.
Application February 1, 1944, Serial No. 520,590
9 Claims. (Cl. 292—169)



1. In a lock of the class described, a casing, a latchbolt slidable on said casing from a projected to a retracted position, a spring urging said latchbolt to its projected position, a push button, means mounting said push button for inward and outward sliding movement relatively to said casing, a spring pressing said push button outwardly relatively to said casing, means movable with said push button adapted to prevent movement of said latchbolt by said latchbolt spring from a retracted hold back position to its projected position when said push button is in its inward position relatively to said casing, and means whereby said latchbolt presses against the means movable with said push button to retain said push button in said inward position until said latchbolt is retracted beyond said retracted hold back position.

2,379,811
FEEDING DEVICE FOR ROCK DRILLS
Paul A. Lincoln, Bloomsbury, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application January 25, 1944, Serial No. 519,601
3 Claims. (Cl. 121—9)

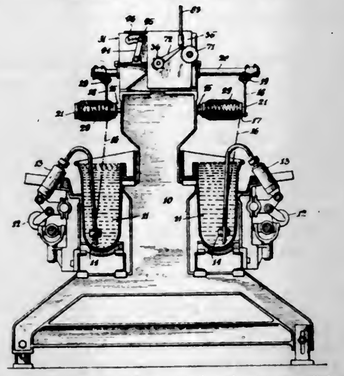


1. In a feeding device, the combination of a guide member and a rock drill slidable thereon, a fluid actuated motor having an inlet passage for pressure fluid and an outlet, means for transmitting movement from the motor to the rock drill to slide the rock drill along the guide member, a valve for controlling the outlet and being guided only by the motor, and means on the rock drill to engage the valve in only a rearward position of the rock drill on the guide for moving the valve into position for closing the outlet to entrap fluid in the motor for stalling said motor.

2,379,812
COATING COMPOSITION
Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1942, Serial No. 452,887
14 Claims. (Cl. 106—144)

1. A composition comprising a water-insoluble metal protein complex and a polyhydric alcohol rosin ester as a plasticizer therefor.

2,379,813
RAYON BOBBIN SPINNING MACHINE AND METHOD OF OPERATION
Gilbert Thomas Loveridge, Wethersfield, and Harry E. Carlson, Rocky Hill, Conn., assignors to Hartford Rayon Corporation, Rocky Hill, Conn., a corporation of Delaware
Application July 8, 1941, Serial No. 401,476
14 Claims. (Cl. 242—43)



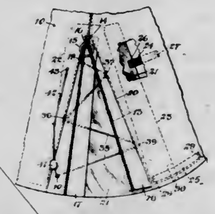
1. In a rayon bobbin spinning machine, the combination comprising, a traverse bar carrying a thread guide; means for reciprocating said traverse bar including a member pivotally mounted to said bar at one point, pivotally mounted at another point on reciprocable means adapted for travel of uniform distance and having riding means at a third point; a tiltable plane surface over which said riding means is adapted to slide; and means for changing step-by-step the angle of tilt of said surface to decrease step-by-step the successive travels of said bar substantially throughout the period of spinning a cake.

2,379,814
X-RAY OF FLOWERS AND THE LIKE
Alice M. McFarland, Cincinnati, Ohio
Application December 28, 1942, Serial No. 470,401
10 Claims. (Cl. 250—65)



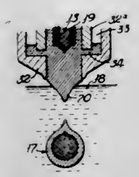
1. The process of making an X-ray picture of objects of relatively light texture or density, such as flowers, the process comprising making a negative of the object on a non-screen X-ray film, exposing the undeveloped negative with the object positioned thereon to a flash of light, developing the negative, making a positive from said negative on regular type X-ray film, developing the positive, and making a final negative print from said positive.

2,379,815
GARMENT CLOSURE
Marguerite McFarlane, New York, N. Y.
Application September 27, 1941, Serial No. 412,573
4 Claims. (Cl. 2—38)



1. The combination with a closure having a slide fastener, of independent means to bring the edges of said slide fastener together to enable the easy operation of the slide, said means comprising a cord fastened at one end adjacent the top of said closure and extending back and forth through sliding means whereby the pulling of said cord will bring the edges of said slide fastener into juxtaposition.

2,379,816
CAPSULATING PROCESS AND APPARATUS
Carl E. Mabbs, Chicago, Ill., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Application July 17, 1939, Serial No. 285,023
28 Claims. (Cl. 18—5)



4. Capsulating apparatus having, in combination, two orifices arranged one within the other, means for discharging liquid core and shell materials from said orifices intermittently to form a succession of separated compound drops, and a capillary column communicating with the outer orifice and opening above the latter.

10. The method of forming gelatin capsules which comprises downwardly extruding said gelatin in liquid form through an orifice, introducing into such extruded gelatin through a pipe located in the center of said orifice a medicinal component, said extrusion being carried out sufficiently slowly so that the gelatin-surrounded medicinal separates into drops by the forces of gravity and surface tension.

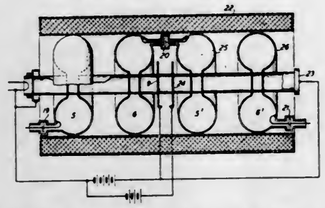
2,379,817
PROCESS AND APPARATUS FOR MAKING CAPSULES
Carl E. Mabbs, Evanston, Ill., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Application October 30, 1940, Serial No. 363,483
24 Claims. (Cl. 18—5)



16. The method of forming compound drops of first and second reactable liquids and a third liquid immiscible therewith, which includes the steps of assembling measured quantities of said liquids into a composite drop with the first and second liquids separated by the third liquid, and partially supporting said drop during its formation and descent in a liquid of a density less than that of the drop.

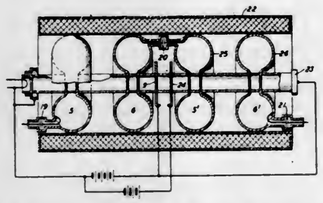
21. Apparatus of the character described having, in combination, three concentric orifices, means for discharging heated shell and lining materials and cooler core material from the outer, intermediate and inner orifices respectively to form a composite drop that falls from the outer orifice, the discharge of shell material being prolonged beyond the interruption of lining and core material, and a body of cooled liquid of lower gravity than the composite drop positioned beneath said orifices to contact the drop only after substantially complete discharge of said lining and core materials and during the final discharge of the shell material.

2,379,818
COUPLING BETWEEN RESONATORS AND ELECTRON STREAMS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1941, Serial No. 382,180
6 Claims. (Cl. 179—171)



1. A hollow resonator having a pair of spaced gratings whereby an electron stream may be passed through the resonator for interaction of the electron stream with electromagnetic waves within the resonator, a source of an electron stream having a given average time rate of flow of electrons past said gratings, the spacing between the two gratings and the ratio of open to closed area in the gratings being so proportioned as to provide at the said given average time rate of electron flow a predetermined degree of impedance match between the resonator as a source of waves and the grating as a means for controlling the storage of energy in the electron stream.

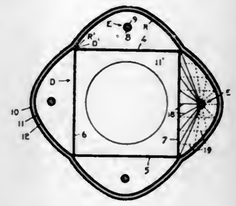
2,379,819
FREQUENCY MODULATOR
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application March 7, 1941, Serial No. 382,180. Divided and this application March 28, 1942, Serial No. 436,703
6 Claims. (Cl. 315—6)



4. In a frequency modulating system, means to maintain an electron stream, two resonating chambers each having an electron permeable portion located in the path of said electron stream whereby the said stream may successively traverse both of said resonating chambers, inductive means for coupling said resonating chambers together to produce sustained oscillations, a condenser serially connected in circuit with said inductive means, and means for varying the frequency of said sustained oscillations.

2,379,820
HEATING DEVICE
Ciro Fidel Mendez, New York, N. Y., assignor to Archibald Gold, New York, N. Y.
Application December 17, 1942, Serial No. 469,330
4 Claims. (Cl. 219—39)

1. In a heating device, the combination of a duct for the passage of a fluid into and out of the device, of high thermal conductivity; a plurality of heating means disposed about said duct; a reflecting means so associated with each of said heating means that substantially all of the heat rays emanating from each of said heating means, which do not directly impinge upon said duct, are reflected to impinge upon said duct; a casing enclosing said duct, heating means and

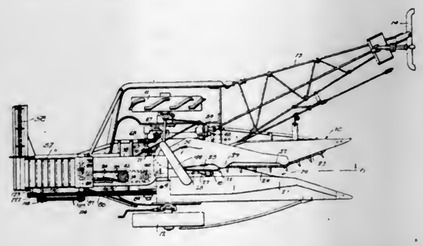


reflecting means, from which air is evacuated, adapted to eliminate thermal conductivity from the heating means and the reflecting means, except by the duct; and a casing about the device, from which air is evacuated, adapted to eliminate thermal conductivity from the device, except by the fluid passing therefrom.

2,379,821
COMPOUNDS
Henry Charles Miller, Claymont, and Richard Seyfarth Schreiber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1942, Serial No. 470,666
4 Claims. (Cl. 260—607)

1. A process for the preparation of organosilicon compounds which comprises reacting an inorganic silicon halide having at least one halogen atom of atomic weight above twenty with an aliphatic hydrocarbon in the vapor phase at a temperature of at least 450° C. and below the decomposition temperatures of the reactants under the reaction conditions and isolating the organosilicon compound.

2,379,822
HARVESTER
Melville J. Mitchell, Highland Park, and Lee P. Millard, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 30, 1943, Serial No. 500,488
28 Claims. (Cl. 56—66)

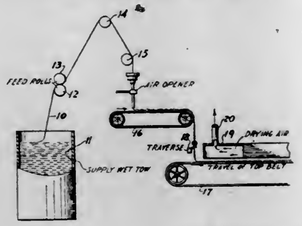


1. In combination, a mobile supporting frame, cutting means for cutting standing stalks, means mounting the cutting means on the frame, means forming a first generally vertical throat extending rearwardly from the cutting means, means mounting the first-throat-forming means on the frame, upper and lower conveyer elements mounted in the side of the first throat and extending upwardly and rearwardly for conveying cut stalks from the cutting means, means for running the lower conveyer element faster than the upper conveyer element to cause the elements to move the stalks butt end first, means forming a second narrow generally vertical throat having one side formed of a member resiliently urged toward the other side and the other side formed of a conveyer of considerable continuous vertical extent moving generally horizontally for acting in cooperation with the resiliently mounted member to move cut stalks from the first throat, means mounting the second-throat-forming means on the frame, stripping means for removing crops from cut stalks fed by the conveyer, and means mounting the stripping means on the frame.

2,379,823
ACID RECOVERY PROCESS
Henry O. Mottern, Hillside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1942, Serial No. 425,305
3 Claims. (Cl. 23—172)

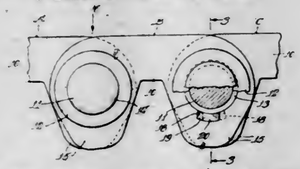
2. The process of restoring weak acid of from 35–50% acid concentration on a hydrocarbon-free basis, obtained in the process of manufacture of alcohols from olefins which comprises concentrating the weak acid to an acid concentration of 75–80%, holding the 75–80% acid at substantially its boiling point under atmospheric pressure for a period of from 5 to 30 minutes without materially increasing the concentration of the acid to convert fixed carbon to elemental carbon and to precipitate the same, filtering to remove the elemental carbon and concentrating the filtered acid to an acid concentration of from 88–95%.

2,379,824
PROCESS AND APPARATUS FOR TREATING ARTIFICIAL FILAMENTS
Lester R. Mummery, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 6, 1943, Serial No. 478,222
10 Claims. (Cl. 34—12)



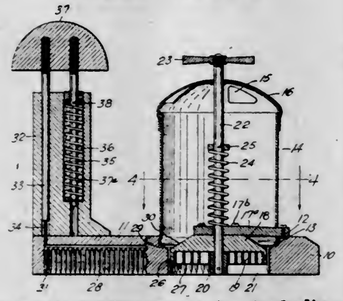
1. A process which comprises subjecting a compact bundle of continuous filaments to contact with a gas under pressure in an elongated, confined zone having a cross-sectional area no more than about 20% greater than the uncompressed cross-sectional area of the compact bundle, passing said filaments and said gas into a second zone having a pressure considerably lower than that of the first-named zone so as to obtain a rapid expansion of said gas and separation of said filaments.

2,379,825
SILENT TYPE CHAIN
David B. Perry, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application April 30, 1943, Serial No. 485,147
7 Claims. (Cl. 74—251)



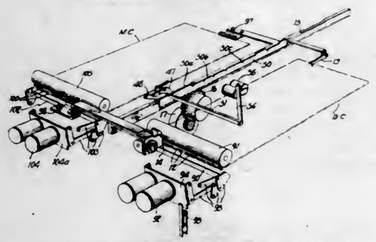
1. A drive chain comprising a plurality of groups of links, the ends of adjacent groups of links being interleaved, said interleaved ends being provided with registering pintle apertures each including a bearing portion defining bearing surfaces of an extent comprising a major portion of a full circumference and a radially extended portion comprising a notch of relatively small circumferential extent, cylindrical pintles accommodated in said bearing portions of the apertures, joining the links of the adjacent groups together and having bearing engagement with said bearing surfaces throughout said extent comprising a major portion of the full circumference of the bearing surface of each pintle aperture, and movement restricting keys accommodated in said notches and adapted to coact with the circumferential extremities thereof so as to limit the flexing of the chain, said keys being separate from said pintles and confined entirely between the cylindrical surfaces of the pintles and the radially outer extremities of said notches.

2,379,826
HAND NAIL DRIVING AND COUNTERSINKING APPARATUS
Carl Christian Peterson, Burlington, Ontario, Canada
Application January 11, 1943, Serial No. 472,058
In Canada September 10, 1942
5 Claims. (Cl. 1—46)



1. In a nail driving apparatus including a base having a nail feed passage communicating at a tangent with an annular nail passage, the feed passage being adapted to receive a train of nails and subsequent replacement trains from the annular passage, said annular passage being adapted to receive replacement trains for impelled movement into the feed passage progressively as the nails in the feed passage are singly ejected, of a magazine associated with said base for containing a disarranged mass of nails having communication with the annular passage, a shaft centrally arranged in the magazine for turning and sliding movement therein, a pusher arm fixed to one end of the shaft in spring pushing engagement with the trains in the annular passage and adapted to be moved in and out of train engagement position and to be swung on the axis of the shaft with the shaft, and spring means associated with the shaft and pusher arm for urging the pusher arm against the train.

2,379,827
RECORDING AND COMMUNICATION APPARATUS
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 26, 1944, Serial No. 519,723
8 Claims. (Cl. 164—115)



1. In an apparatus for punching telegraph code in a tape under control of code designations of a control record, means for sensing the control record, tape punching mechanism comprising a plurality of punch elements having individual electromagnetic control devices, a set of selecting relays for controlling the operation of said devices singly or in various groups, the selection controlled by each relay being different from those controlled by all the others, a plurality of energizing circuits, one for each of said relays, means controlled by said sensing means for selectively preparing said energizing circuits, a master control records having control designations thereon, means for sensing said master control record, and means operated in response to the sensing of a control designation by said last mentioned sensing means for disabling the energizing circuit prepared in response to the sensing of a particular code designation by said first mentioned sensing means and for preparing an energizing circuit to a different one of said selecting relays.

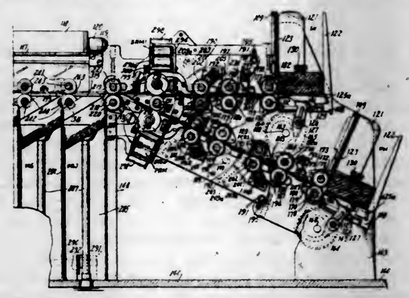
2,379,828
RECORD CONTROLLED MACHINE
David W. Rubidge, Chatham, N. J., Clarence R. Manning, Vestal, and James D. Hood, Endicott, N. Y., and James B. Greene, New Brunswick, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 24, 1940, Serial No. 347,226
87 Claims. (Cl. 209—110)

1. In a machine of the class described, two separate record feeding mechanisms, record distributing mechanism, means to compare data on a record fed by one of said feeding mechanisms with a succeeding record fed by the same feeding mechanism, a plurality of devices for controlling the record feeding mechanisms and the distributing mechanism to cause the feeding mechanisms to operate selectively and to cause the distributing mechanism to distribute records in several different ways, and means for selecting a plurality of said devices when the comparing means detects a reversal of sequence

to cause one of two records denoting a reversal of sequence to be replaced by a record from the other feed mechanism.

25. In a machine of the class described, means to feed a set of records identified by control number designations, data retaining means having several sections for receiving two numbers denoting upper and lower limits of selection and for receiving numbers from the records, means to enter in the retaining means the limitations of selection; means to compare the numbers entered from the records with both limits, said means being adapted to manifest the fact that each number entered is or is not within said limits; means to select records fed by said feeding means, and means controlled by the comparing means for causing the selecting means to operate to select each record lying between the limits of selection, a second record feeding means, and means controlled by the comparing means for causing an operation of the second feeding means to insert a record for each record selected.

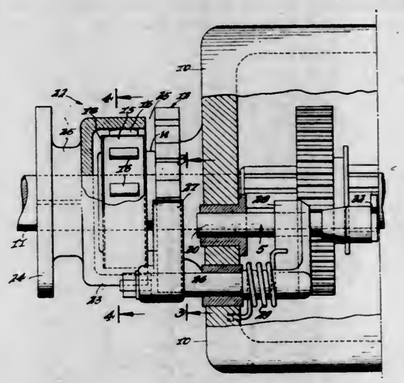
29. In a machine of the class described, the combination of two record feeding mechanisms, each for feeding records containing designations, certain of the records in one set agreeing in designations with records of the other set; means controlled by said designations for controlling the feeding of the records to cause the identically designated records to become merged, a counting device for counting the records fed by one set, and means controlled by the counting device for causing identically designated records of one set to be merged at predetermined intervals with the records of the other set.



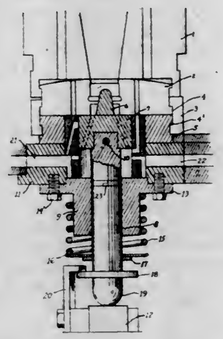
34. In a machine of the class described, means to feed two separate batches of records to be merged into a single set according to control number designations on said records, means to compare designations on records of one batch with designations on records of the other batch to determine the order of feeding of the records, a basic merging control for selectively controlling the feeding mechanisms to normally cause all records of one batch which are identical in designations with records of the other batch to precede the records of the other batch, and control means for modifying the operation of the basic merging control to cause a predetermined number of records of one of said batches to follow a predetermined number of identically designated record of the remaining batch.

2,379,829
DEVICE FOR AUTOMATICALLY PREVENTING MOTOR VEHICLES FROM ROLLING BACK ON GRADES
Albert J. Russell, New York, N. Y.
Application June 14, 1944, Serial No. 540,180
4 Claims. (Cl. 188—30)

1. In combination with the transmission shaft of a motor vehicle, a toothed wheel loosely mounted on said shaft, a drum integral with said wheel, a cylindrical member keyed on said shaft and having a flange surrounding said drum, means partly on said drum and partly between said drum and said member for interlocking said drum and said member upon rotation of said shaft in one direction and for disengaging said interlocking upon rotation of said shaft in the reverse direction, and releasable means normally locking said toothed wheel against rotation.

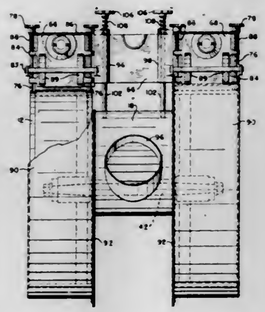


2,379,830
PLUNGER CARRIER FOR GLASSWARE FORMING APPARATUS
Otto H. Samuelson, Muncie, and Anthony T. Zappia, Indianapolis, Ind.
Application March 8, 1944, Serial No. 525,526
4 Claims. (Cl. 49—76)



1. A plunger stem for operating the forming pin plunger of a parison mold of a glassware forming apparatus, comprising a guide sleeve detachably secured to the forming pin plunger box, a plunger pin stem operating within said sleeve having a hardened semi-spherical bottom end, adapted for engagement with the raising and lowering cam for the forming pin, and a piston ring surrounding said stem within said sleeve for forming a substantially air-tight junction between said stem and the walls of said sleeve.

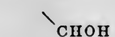
2,379,831
MACHINE FOR FORMING CAPSULATING MATERIAL
Robert P. Scherer, Detroit, Mich., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
Application March 7, 1941, Serial No. 382,148
7 Claims. (Cl. 18—15)



4. In combination, a pair of aligned rotatable axially spaced apart casting drums, a pair of connected spreader boxes supported for vertical movement as a unit superimposing said drums, means yieldingly urging said spreader boxes as a unit toward the drums to rest upon the drums during drum rotation, each individual spreader box including a relatively vertically movable wall portion defining with a cooperating wall portion of the box a discharge slit through which material is discharged from the box on to the periphery of the drum below the box, means coupling each movable wall portion with the remainder of the box operable to raise and lower said wall portion with respect to the drum, said means including contact means bearing upon the periphery of the drum, means holding each movable wall portion yieldingly slidably against the end walls of the box and means yieldingly urging said movable wall portion in a downward direction.

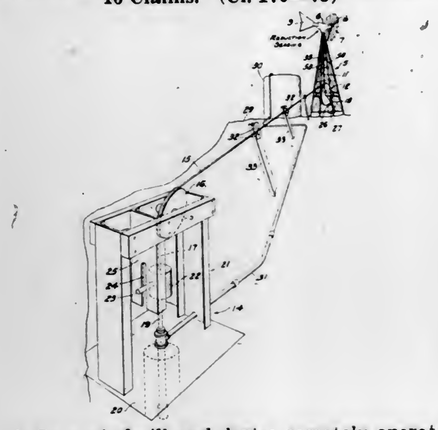
2,379,832
PROCESS FOR THE MANUFACTURE OF UNSATURATED KETONES OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES
Arthur Serini, Berlin N. 65, Heinrich Köster, Berlin-Charlottenburg, and Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application June 1, 1937, Serial No. 145,824. In Germany June 2, 1936
21 Claims. (Cl. 260—397.3)

1. Process for the manufacture of unsaturated ketones of the cyclopentano polyhydro phenanthrene series, which comprises reacting an unsaturated secondary alcohol of the cyclopentano polyhydro phenanthrene series with a member of the group consisting of aldehydes and ketones in the presence of a metal alcoholate of an alcohol having a



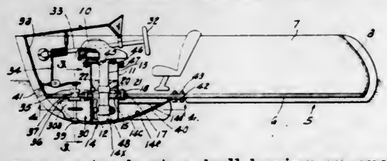
group, said alcoholate being active to promote an exchange of oxidation stages.

2,379,833
WINDMILL AND PUMP REMOTELY OPERATED THEREBY
Renwick J. Sharp, Guatemala, Guatemala
Application November 18, 1943, Serial No. 510,821
16 Claims. (Cl. 170—75)



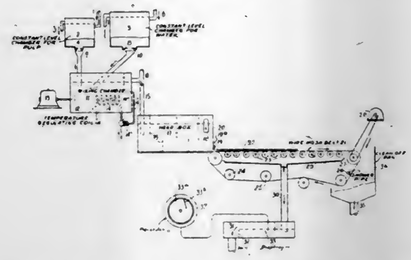
1. In a windmill and device remotely operated thereby, a tower, a wind wheel carried by the upper part of said tower, a power transmission wheel mounted in the lower part of said tower to turn in a vertical plane, means operatively connecting said wind wheel with said power transmission wheel at differently adjustable distances from its axis of rotation to compensate for varying wind velocities, to oscillate the latter, a device remotely positioned in relation to said tower both as to downward and horizontal distance, and a cable one end of which is operatively connected with said power transmission wheel and the opposite end of which is operatively connected with said device, said cable being weighted to maintain it taut during the operation of said device.

2,379,834
FRONT DRIVEN MOTORBOAT
Renwick J. Sharp, Guatemala, Guatemala
Application February 28, 1944, Serial No. 524,248
11 Claims. (Cl. 115—16)



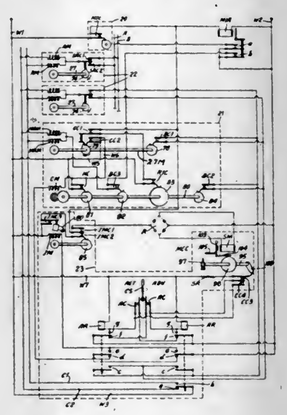
1. In a motor boat, a hull having an opening through its bottom adjacent to its bow, a housing having an opening registering with said hull opening, said housing being attached to the boat's bottom in an underlying relation to said hull opening, there being a spacious water intake opening in the front portion of said housing and correspondingly spacious rearwardly directed water outlet means leading divergingly therefrom, an elongated upstanding drum having its lower end in a surrounding, water tight relation to said hull opening, a motor including a basal plate detachably carried by and water-sealing the upper part of said drum, a propeller located below said registering openings, and means operatively connecting said motor and propeller to drive the latter in a direction to create a sternal movement of the water through said housing and diverging outlet means.

2,379,835
CONTINUOUS FLOW APPARATUS FOR TESTING PULP FREENESS
Charles Oland Sisler, Sault Ste. Marie, Ontario, Canada
Application February 5, 1944, Serial No. 521,247
6 Claims. (Cl. 73—63)



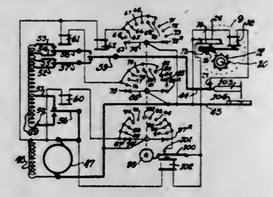
1. Apparatus for continuous testing of pulp freeness, comprising a mesh belt moving at a constant predetermined rate of speed, a constant level chamber for the stock, means for carrying a continuous flow of sample pulp stock from a paper pulp system to said constant level chamber, means for adding liquid to the stock in predetermined volume, means for mixing the stock and liquid to provide a uniform mixture, means for carrying the stock from the constant level chamber to the mesh belt, means for collecting the liquid from the stock that passes through the mesh belt, means for carrying off the liquid thus collected in a continuous flow, and means for measuring the rate of flow of such liquid in the latter means.

2,379,836
TIME SYSTEM
Alfred L. Sprecker, Freeport, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 16, 1943, Serial No. 479,345
19 Claims. (Cl. 58—24)



1. In a time keeping system, a plurality of secondary clocks and a master clock, each of said secondary and master clocks comprising time indicating means and normally idle motor means connected to the time indicating means and adapted to advance or retard the latter one minute upon each energization of the motor means; means to control the direction of movement of the time indicating means of all said clocks by their respective motor means, said direction control means being normally conditioned to cause the motor means of said clocks to advance their related time indicating means, impulse producing means electrically connected to the motor means of said master clock and each of said secondary clocks, means for operating said impulse producing means at minute intervals, setting means comprising a graduated member and an index member, one of said members being manually adjustable in relation to the other, setting motor means to move said adjustable member one graduation at a time, means to cause a series of simultaneous operations of said impulse producing means and said setting motor means in rapid succession, and means controlled by said setting means upon arrival of said adjustable member at a certain graduation to terminate said simultaneous operations.

2,379,837
CONTROL SYSTEM
Bernhardt Stahmer, Omaha, Nebr.
Substituted for abandoned application Serial No. 407,583, August 20, 1941. This application September 11, 1944, Serial No. 553,648
12 Claims. (Cl. 171—312)

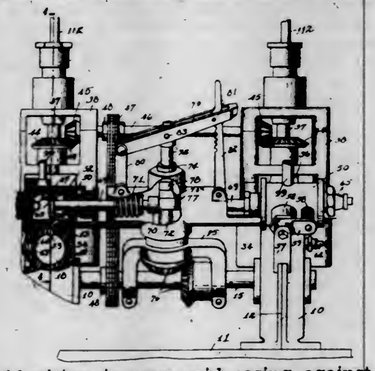


1. The combination with an electric welding generator of a remote control system for remotely adjustably and selectively controlling the output capacity of the electric generator, said system including a load circuit, means for varying the current values in the load circuit, means for varying the voltage of the load circuit, electro-responsive means for actuating said current value varying means, electro-responsive means for actuating said voltage varying means, energizing circuits for said electro-responsive means electrically operatively associated with the load circuit, and remote control means for adjustably and selectively varying the current and voltage of the load circuit, said remote control means including manually operable adjustable means electrically connected to said energizing circuits and to said load circuit for completing said energizing circuits to cause operation of said electro-responsive means for selectively independently and adjustably actuating said current and voltage varying means.

2,379,838
SELF-STARTING CONSTANT PRESSURE INTERNAL-COMBUSTION ENGINE
George A. Stanzel, Des Moines, Iowa
Application June 22, 1942, Serial No. 447,952
9 Claims. (Cl. 60—44)

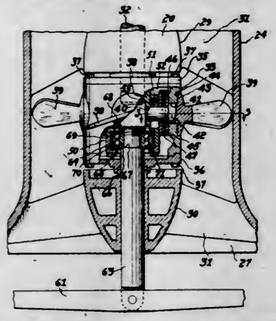
6. In a rotary type engine, a support, a casing rotatably mounted on said support including an annular cylinder, a shaft mounted in said support in a concentric relation with said casing, a rotatable piston for said cylinder carried by said shaft, said casing being provided with an arcuate and radial slot, an annular abutment rotatable in said slot across said cylinder, means for rotating said abutment and piston in unison,

and means for applying a pressure on said casing in a direction opposite to the direction of rotation



of said piston to urge said casing against said abutment.

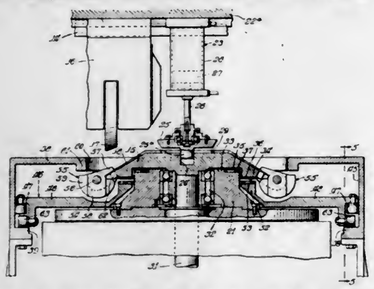
2,379,839
ADJUSTING DEVICE
Alexey J. Stepanoff, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 22, 1942, Serial No. 462,919
5 Claims. (Cl. 103—89)



1. In an adjusting device, the combination of a pump casing and a shaft therein, vanes connected rotatably to the shaft, means rotatable with the shaft and movable relatively thereto for rotating the vanes to vary their impelling effect, a thrust bearing reciprocable longitudinally of the shaft into engagement with said means to transmit pressure for actuating the said means and being movable out of contact with the said means to selectively prevent the rotation of the thrust bearing with said means, and means located exteriorly of the casing for indicating the position of the thrust bearing with respect to the first-mentioned means.

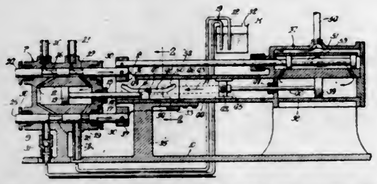
2,379,840
CONTROL FOR PLATENS
Frank A. Stuhlman, Forest Park, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 1, 1941, Serial No. 421,159
10 Claims. (Cl. 80—16)

7. In apparatus for controlling the movement of a blank supporting platen, the combination of a blank supporting platen, a rotatable support for the platen concentric therewith, an oscillatable support for the platen, said oscillatable support being movable axially toward and away from the platen whereby to engage and disengage said platen, said oscillatable support comprising a spider having a plurality of arms, a guard fixed axially with respect to the rotatable support, curved surfaces on the guard concentric with the platen, cam surfaces on the guard adjacent to the curved surfaces, and



rollers at the end of the arms engaging the curved surfaces and cams respectively, the curved surfaces serving to center the oscillatable support relative to the platen and the cam surfaces serving to engage the oscillatable support with the platen to arrest the rotation of the platen and then to raise the platen further to perform an additional function.

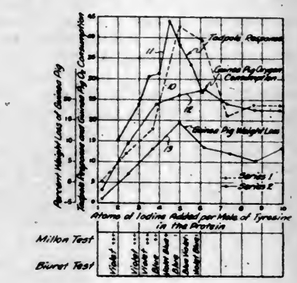
2,379,841
BOILER FEED PUMP
Walter E. Thomas, Jefferson, Iowa, assignor of one-half to Leslie W. Griswold, Cooper, Iowa
Application February 3, 1944, Serial No. 520,890
11 Claims. (Cl. 122—451)



7. In a boiler feed pump, a water pump having a piston, power means for reciprocating said piston, valve means for said pump, valve means for said power means, and an operative connection between said power means, and said piston and said valve means, comprising a pin and slot connection between the power means and the valve means and an abutment connection between the power means and the piston with said pin engaging said abutment, said slot having a portion operable to disengage said pin from said abutment at one end of the piston stroke, said pin thereupon moving said valve means, said portion of the slot guiding the pin to engage the reverse side of the abutment upon the reverse stroke.

2,379,842
THYROPROTEIN COMPOSITION AND METHOD OF MAKING THE SAME
Charles W. Turner and Ezra P. Reineke, Columbia, Mo., assignors to American Dairies, Inc., Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application April 30, 1942, Serial No. 441,116
8 Claims. (Cl. 260—112)

1. A method of making a synthetic thyroprotein comprising the steps of substituting iodine in a protein containing tyrosine until the Millon test becomes negative at a temperature of 30°–45°



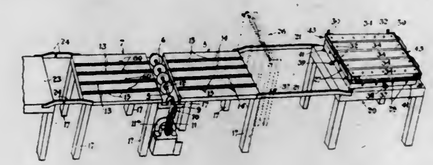
C., and incubating the iodinated protein in the presence of a catalyst at a temperature of 50°–100° C. for 12 to 24 hours.

2,379,843
TYPEWRITING MACHINE
Richard von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 20, 1943, Serial No. 483,749
14 Claims. (Cl. 197—64)

5. In a tabulating mechanism, in combination with the main carriage, a column stop on the main carriage, a counter-stop movable into the path of the column stop, a carriage retarding device including an element movable with the counter-stop into the path of the column stop and arranged to be moved by the column stop in its progress toward the counter-stop and also released automatically from the column stop prior to the engagement of the column stop with the counter-stop.

2,379,844
FIBER CUTTING MACHINE
Jan V. Weinberger, Truro, Nova Scotia, Canada
Application July 13, 1944, Serial No. 544,799
In Canada April 17, 1943
9 Claims. (Cl. 164—61)

1. Fiber cutting apparatus comprising a series of cutters, a fiber holder assembly comprising a base member provided with a row of parallel grooves extending across one surface thereof, a series of separate slats for holding a mass of fibers against the grooved surface of said base member so that portions of the mass extend across said grooves, said slats being assembled with the base member so that they lie between and parallel with said grooves and end frames detachably secured to opposite ends of said slats to enable them to be handled as a unit, said cutters and said fiber holder assembly being movable rela-

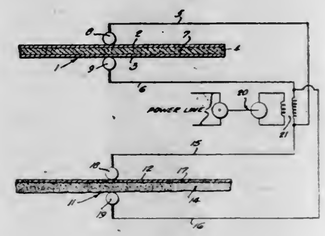


tively to each other in fiber cutting association so that the cutters are received between the slats and travel across the entire length of the slats and grooves in such manner as to cut through those portions of the fibrous mass which extend across the grooves.

2,379,845
TREATMENT OF ANIMAL CARCASSES
Beverly E. Williams, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 4, 1941, Serial No. 396,539
2 Claims. (Cl. 99—174)

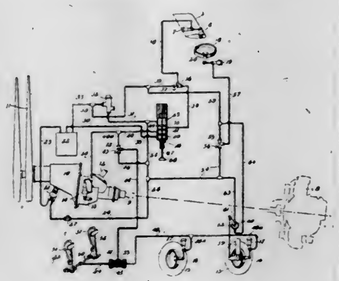
1. The method of treating animal carcasses which comprises skinning the carcass, chilling the skinned carcass for about twelve to forty-eight hours at about 35° F. until the animal heat has been dissipated and the surface of the meat has congealed, separating the chilled carcass into wholesale cuts, applying moistened glassine paper bearing identifying marks in intimate contact with the skinned surfaces of the cuts whereby said moistened paper firmly adheres to said surfaces and covering the cuts containing the glassine paper with a brine moistened cloth.

2,379,846
PERFORATION OF SHEET MATERIAL BY ELECTRICAL DISCHARGES
Irven H. Wilsey, Chicago, and John W. Meaker, Evanston, Ill.
Application August 9, 1941, Serial No. 406,264
10 Claims. (Cl. 229—62.5)



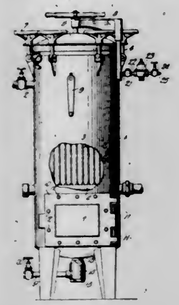
1. A bag comprising an envelope formed with a plurality of minute, electric arc pierced perforations, in the fabric of which envelope is dispersed a finely divided substance having a lower electrical resistance than the material constituting said fabric.

2,379,847
ROTATIVE WINGED AIRCRAFT
Robert G. Anderson, Doylestown, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application November 18, 1941, Serial No. 419,531
9 Claims. (Cl. 244—18)



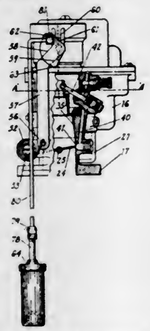
1. For a rotative winged aircraft having a variable pitch sustaining rotor capable of effecting direct take-off and having a landing wheel with a wheel brake, a primary pilot's control organ for controlling the direct take-off maneuver, said primary control organ being adjustable between a position providing a non-lifting rotor blade pitch angle and initiation of rotation of the rotor in preparation for direct take-off and a position providing a direct take-off rotor blade pitch setting, mechanism interrelating the operation of said primary control organ and the wheel brake and providing for application of the wheel brake upon adjustment of the control organ to lower the blade pitch and initiate rotation of the rotor prior to take-off and for release of the wheel brake upon adjustment of the primary control organ to effect direct take-off, and separately controllable means for applying the wheel brake independently of the primary control organ.

2,379,848
PRESSURE FILTER
Walter O. Damme and Raymond J. Gabler, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application April 8, 1940, Serial No. 328,446
3 Claims. (Cl. 210—181)



1. A pressure filter including in combination a housing means for introducing liquid into said housing, filter leaves within said housing, a manifold for supporting said filter leaves means for withdrawing filtered liquid from said manifold, said housing being formed with an opening below said manifold, a door normally closing said opening, a drain opening formed in said housing adjacent the bottom thereof, a chamber communicating with said opening, an auxiliary filter within said chamber, said auxiliary filter comprising a wire screen basket and a sack of filter cloth supported by said basket, a drain pipe communicating with said chamber for the removal of liquid filtered by said auxiliary filter from said chamber, means for admitting air under pressure into the filter housing above the muck bed deposited therein by the said liquid, and a pressure control means for maintaining the air under sufficient pressure to express liquid adsorbed in the bed without channeling or otherwise agitating the said bed whereby to leave the bed in a substantially dry condition.

2,379,849
INTERNAL-COMBUSTION ENGINE
George R. Ericson, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application November 7, 1931, Serial No. 573,628
33 Claims. (Cl. 123—119)



1. In an internal combustion engine having an intake manifold, a carburetor attached to said manifold, and a pump driven by said engine; a constant level fuel chamber for said carburetor, said constant level fuel chamber being vented to the atmosphere, a fuel supply nozzle for said carburetor, a choke valve controlling the admission of air to said carburetor at a point anterior to the discharge outlet of said fuel supply nozzle whereby the richness of the fuel mixture delivered by said carburetor is controlled, a thermostat for controlling the movement of said choke valve, a spring for closing said choke valve, and means operated by pressure derived from said pump for opening said choke valve.

2,379,850
LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application June 3, 1942,
Serial No. 445,644
9 Claims. (Cl. 252—36)

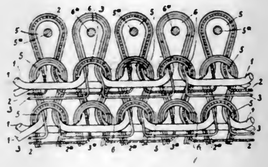
2. A lubricant consisting essentially of an acetyl ricinoleate of a lower alcohol and a small proportion of an extreme pressure agent.

4. A lubricant consisting essentially of an acetyl ricinoleate of a lower alcohol, and sufficient lithium soap and aluminum soap to make a stable thickened grease lubricant.

2,379,851
CLEANING COMPOSITION
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application August 1, 1942,
Serial No. 453,270
4 Claims. (Cl. 252—114)

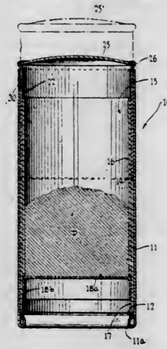
2. A cleaning composition comprising about 39% by volume of egg albumen, about 39% by volume of distilled water, from about 6.8% to about 8.8% by volume of a potassium coconut oil soap solution having a specific gravity of about 1.028, from about 1% to about 2% by volume of glycerin, about 1% by volume of a 20% solution of sodium stearate, and about 11.7% by volume of a 10% solution of sodium hexametaphosphate.

2,379,852
PRODUCTION OF LOOP-PLUSH FABRIC
Max Nebel, Chemnitz, Germany; vested in the Alien Property Custodian
Application May 9, 1939, Serial No. 272,667
In Germany March 28, 1935
8 Claims. (Cl. 66—194)



1. That method of producing a plush fabric from two ground threads and two plush threads, which comprises working one of said ground threads together with one of said plush threads at alternate wales to form a partial course, then working together the other of said ground and plush threads at the intervening wales to complete the course, and sinking in the respective plush threads of both of said partial courses during the working thereof so as to form longer loops therein than in the associated ground thread, whereby a ground thread loop and an associated plush thread loop will be floated over each wale in said course.

2,379,853
POWDER BOX
Joseph P. Smith, New York, N. Y., assignor to Wrigley Pharmaceutical Co., Inc., New York, N. Y., a corporation of New York
Application April 3, 1943, Serial No. 481,665
2 Claims. (Cl. 222—519)

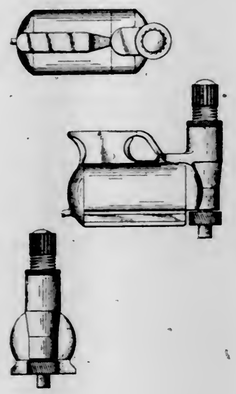


1. In a sifter powder box of the class described, in combination, an outer tubular member having an abutment portion adjacent the bottom edge of the inner surface of the wall thereof, a box unit adapted to hold powder therein and comprising an inner side wall, an outer side wall, a bottom wall and a completely removable closure, the said outer side wall closely surrounding the said inner side wall and attached thereto for movement therewith, said inner side wall projecting a substantial distance above the top edge of said outer side wall, said closure comprising a top wall and a depending side wall, said last named depending side wall being adapted to nestably slidably receive therein the portion of said inner side wall, projecting above the top edge of the said outer side wall, said outer side wall and said depending side wall being in alignment and both being adapted to be nestably slidably received within said outer tubular member, to provide a three wall thickness of material for the major portion of said sifter powder box, the said abutment portion of said outer tubular member serving to limit the downward sliding movement of said box unit within said tubular member, said closure being axially slidably movable with respect to said box unit and said box unit being axially slidably movable with respect to said outer tubular member.

DESIGNS

JULY 3, 1945

141,729
DESIGN FOR A ROUTER
Norman Anderson, Duluth, Minn.
Application January 27, 1945, Serial No. 117,633
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a router, substantially as shown.

141,730
DESIGN FOR A DUSTING GUN OR THE LIKE
John W. Baur, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 22, 1945, Serial No. 117,527
Term of patent 7 years
(Cl. D62—2)



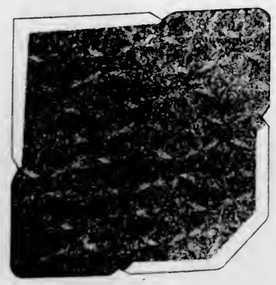
The ornamental design for a dusting gun or the like, as shown.

141,731
DESIGN FOR AN ENVELOPE BLANK
Vera Bock, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application November 27, 1944, Serial No. 116,575
Term of patent 14 years
(Cl. D59—8)



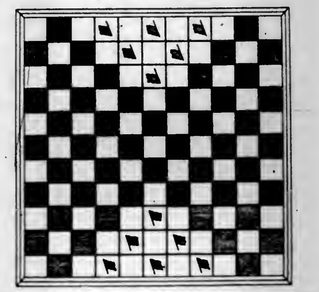
The ornamental design for an envelope blank, as shown and described.

141,732
DESIGN FOR AN ENVELOPE BLANK
Vera Bock, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application December 21, 1944, Serial No. 117,017
Term of patent 14 years
(Cl. D59—8)



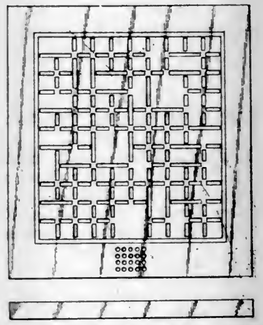
The ornamental design for an envelope blank, as shown and described.

141,733
DESIGN FOR A GAME BOARD
Harold L. Bundock, Santa Rosa, Calif.
Application January 8, 1945, Serial No. 117,339
Term of patent 14 years
(Cl. D34—5)



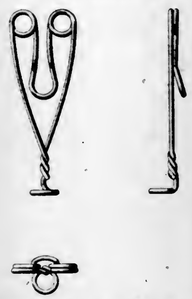
The ornamental design for a game board, as shown and described.

141,734
DESIGN FOR A GAME BOARD
Richard E. Collins, Omaha, Nebr., assignor of one-half to Charles E. Stenicka, Jr., Omaha, Nebr.
Application September 26, 1944, Serial No. 115,464
Term of patent 7 years
(Cl. D34—5)



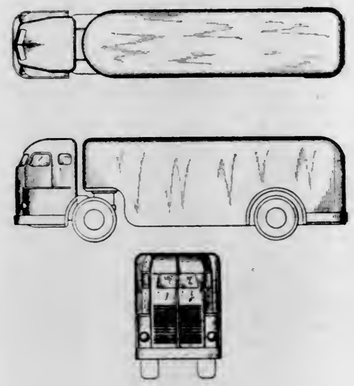
The ornamental design for a game board, as shown.

141,735
DESIGN FOR A CLOTHES CLIP
Frank Coogler, Washington, D. C., and John C. Coogler, Houston, Tex.
Application May 7, 1945, Serial No. 119,436
Term of patent 14 years
(Cl. D17—6)



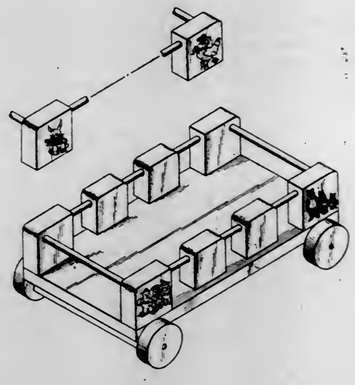
The ornamental design for a clothes clip, substantially as shown.

141,736
DESIGN FOR A TRANSPORT VEHICLE
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 14, 1944, Serial No. 112,571
Term of patent 14 years
(Cl. D14—3)



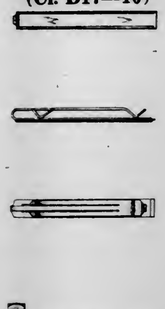
The ornamental design for a transport vehicle, substantially as shown and described.

141,737
DESIGN FOR A TOY WAGON
Samuel Gilbert and George Lerner, Los Angeles, Calif.
Application February 21, 1945, Serial No. 118,066
Term of patent 3½ years
(Cl. D34—15)



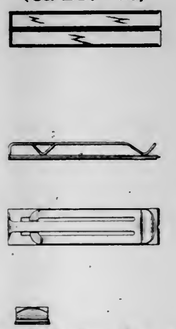
The ornamental design for a toy wagon, substantially as shown, and described.

141,738
DESIGN FOR A TIE CLASP
Benjamin Glastal, New York, N. Y.
Application March 20, 1945, Serial No. 118,594
Term of patent 14 years
(Cl. D17—10)



The ornamental design for a tie clasp, as shown.

141,739
DESIGN FOR A TIE CLASP
Benjamin Glastal, New York, N. Y.
Application March 20, 1945, Serial No. 118,595
Term of patent 14 years
(Cl. D17—10)



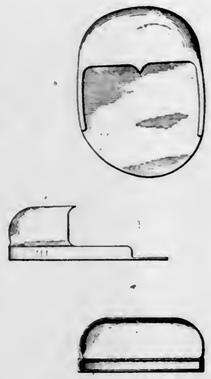
The ornamental design for a tie clasp, as shown.

141,740
DESIGN FOR AN INLAY PUZZLE PLAQUE
Samuel A. Karlin, Chicago, Ill.
Application March 24, 1945, Serial No. 118,672
Term of patent 7 years
(Cl. D34—15)



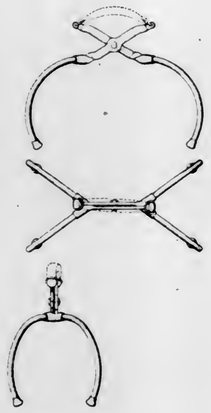
The ornamental design for an inlay puzzle plaque, substantially as shown.

141,741
DESIGN FOR A SHOE PROTECTOR
Jack Karp, Brooklyn, N. Y.
Application January 15, 1945, Serial No. 117,450
Term of patent 14 years
(Cl. D7—4)



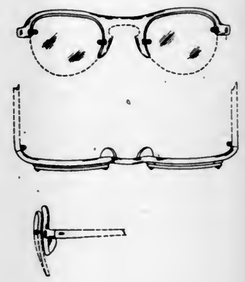
The ornamental design for a shoe protector, as shown.

141,742
DESIGN FOR A BOWLING BALL CARRIER OR THE LIKE
Harry H. Podjus, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 2, 1945, Serial No. 118,835
Term of patent 14 years
(Cl. D34—5)



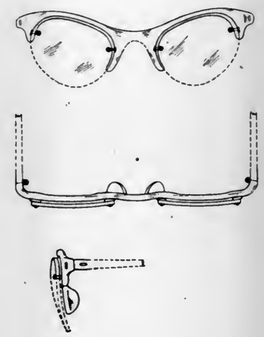
The ornamental design for a bowling ball carrier or the like, as shown and described.

141,743
DESIGN FOR A PAIR OF SEMIRIMLESS SPECTACLES
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application September 22, 1944, Serial No. 115,407
Term of patent 14 years
(Cl. D57—1)



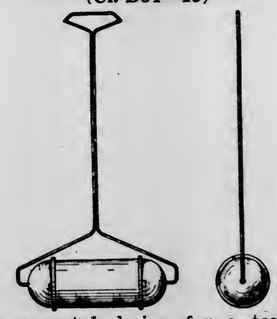
The ornamental design for a pair of semirimless spectacles, substantially as shown and described.

141,744
DESIGN FOR A PAIR OF SEMIRIMLESS SPECTACLES
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application September 22, 1944, Serial No. 115,409
Term of patent 14 years
(Cl. D57—1)



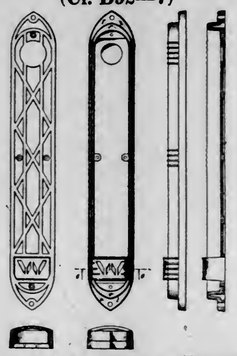
The ornamental design for a pair of semirimless spectacles, substantially as shown and described.

141,745
DESIGN FOR A TOY ROLLER
William Smith, New York, N. Y.
Application March 28, 1945, Serial No. 118,749
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy roller, as shown.

141,746
DESIGN FOR A THERMOMETER CASE
Harry Weksler, New York, N. Y., assignor to Weksler Thermometer Corporation, New York, N. Y., a corporation of New York
Application March 23, 1945, Serial No. 118,650
Term of patent 14 years
(Cl. D52—7)



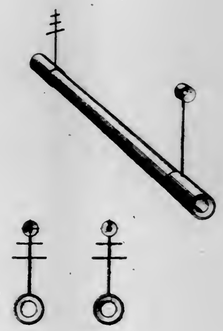
The ornamental design for a thermometer case, as shown.

141,747
DESIGN FOR A NIB SECTION FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Arthur Winter, Weehawken, N. J.
Application April 4, 1945, Serial No. 118,852
Term of patent 14 years
(Cl. D74—1)



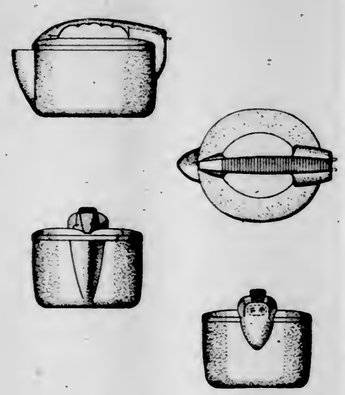
The ornamental design for a nib section for a fountain pen or similar article, as shown.

141,748
DESIGN FOR A PEASHOOTER
Alvin D. Bloom, Los Angeles, Calif., assignor of one-half to Hollywood Gift and Novelty Co. Inc., a corporation of California
Application February 22, 1945, Serial No. 118,088
Term of patent 3½ years
(Cl. D34—15)



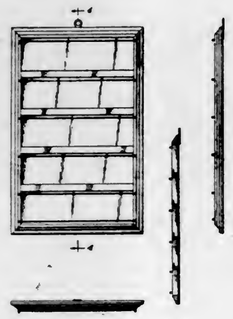
The ornamental design for a peashooter, substantially as shown.

141,749
DESIGN FOR A KETTLE
Gordon H. Brown, Detroit, Mich., assignor to Marian S. Brown, Detroit, Mich.
Application October 9, 1944, Serial No. 115,691
Term of patent 14 years
(Cl. D44—25)



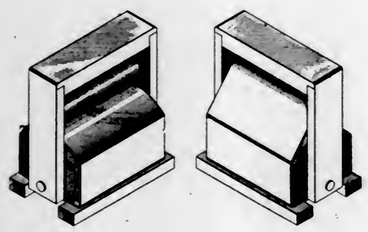
The ornamental design for a kettle, substantially as shown.

141,750
DESIGN FOR A DISPLAY RACK OR SIMILAR ARTICLE
Jacob L. Coates, Greensburg, Kans.
Application July 21, 1944, Serial No. 114,489
Term of patent 7 years
(Cl. D80—9)



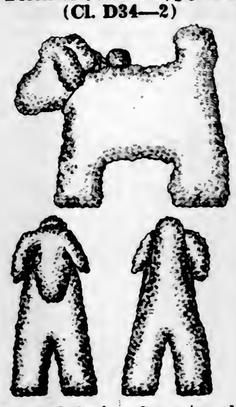
The ornamental design for a display rack or similar article, as shown.

141,751
DESIGN FOR A CIGARETTE ROLLING MACHINE
Charles S. Combs, Irondequoit, N. Y., assignor of one-half to Donald R. Browne, Rochester, N. Y.
Application March 1, 1945, Serial No. 118,203
Term of patent 3½ years
(Cl. D85—7)



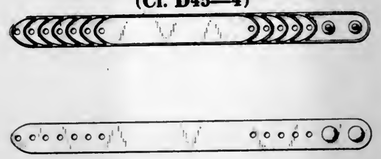
The ornamental design for a cigarette rolling machine, substantially as shown.

141,752
DESIGN FOR A TOY DOG
Jessie A. Cramer, Muncie, Ind.
Application November 11, 1944, Serial No. 116,281
Term of patent 3½ years
(Cl. D34—2)



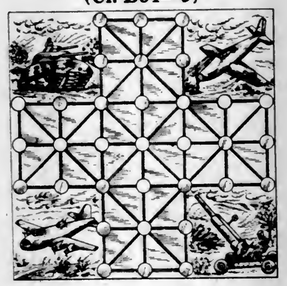
The ornamental design for a toy dog, as shown.

141,753
DESIGN FOR A WRIST WATCH STRAP
Joseph E. Du Bois, Snyder, N. Y.
Application March 22, 1945, Serial No. 118,625
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a wrist watch strap, substantially as shown.

141,754
DESIGN FOR A GAME BOARD
Frank Erznoznik, Pontiac, Mich.
Application March 15, 1945, Serial No. 118,492
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

141,755
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application May 14, 1945, Serial No. 119,531
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,756
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application May 14, 1945, Serial No. 119,532
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,757
DESIGN FOR A BABY RATTLE
Edward T. Fretz, Sherman Oaks, Calif., assignor to Aard Company, Los Angeles, Calif., a co-partnership
Application March 13, 1945, Serial No. 118,462
Term of patent 7 years
(Cl. D34—15)



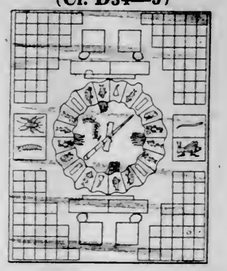
The ornamental design for a baby rattle, as shown.

141,758
DESIGN FOR A DRESS
Jerome Garfinkle, New York, N. Y., assignor to Youthform Dress Inc., New York, N. Y., a corporation of New York
Application April 19, 1945, Serial No. 119,100
Term of patent 14 years
(Cl. D3—26)



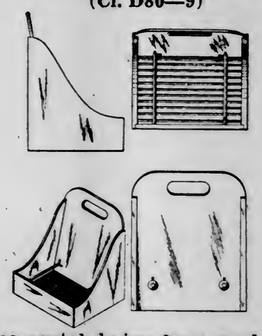
The ornamental design for a dress, substantially as shown and described.

141,759
DESIGN FOR A GAME BOARD
Fred Linn Gamblin, Dora, Ala.
Application March 16, 1945, Serial No. 118,517
Term of patent 14 years
(Cl. D34—5)



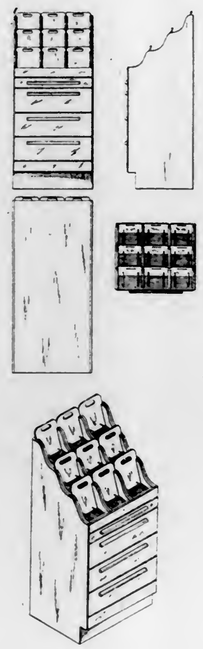
The ornamental design for a game board as shown.

141,760
DESIGN FOR A CARD DISPLAY BOX
Ralph J. Gelinas, Cohasset, Mass., assignor to United-Rexall Drug Company, a corporation of Delaware
Application May 2, 1945, Serial No. 119,360
Term of patent 14 years
(Cl. D80—9)



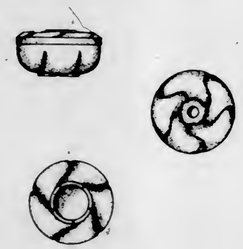
The ornamental design for a card display box, substantially as shown.

141,761
DESIGN FOR A CARD DISPLAY CABINET
Ralph J. Gelinas, Cohasset, Mass., assignor to United-Rexall Drug Company, a corporation of Delaware
Application May 3, 1945, Serial No. 119,382
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a card display cabinet, substantially as shown.

141,762
DESIGN FOR A JAR OR SIMILAR ARTICLE
Elizabeth N. Graham, New York, N. Y.
Application September 9, 1944, Serial No. 115,233
Term of patent 14 years
(Cl. D58—25)



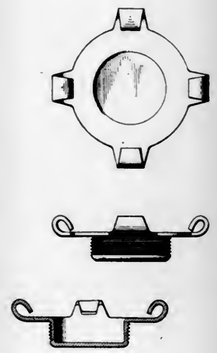
The ornamental design for a jar or similar article, substantially as shown.

141,763
DESIGN FOR A COLLAR HOLDER
Irving J. Hopfenberg, Providence, R. I.
Application April 9, 1945, Serial No. 118,915
Term of patent 14 years
(Cl. D17—10)



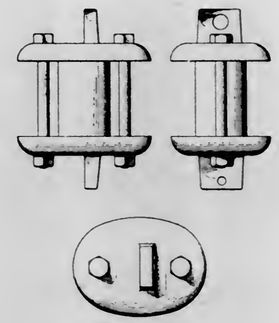
The ornamental design for a collar holder, as shown.

141,764
DESIGN FOR A CLOSURE CAP
William B. Johnson, Easley, S. C.
Application October 11, 1944, Serial No. 115,715
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a closure cap, as shown.

141,765
DESIGN FOR AN ELECTROLYTIC WATER PURIFIER
Theodore C. Jones, Louisville, Ky.
Application February 27, 1945, Serial No. 118,166
Term of patent 14 years
(Cl. D26—1)



The ornamental design for an electrolytic water purifier, as shown.

141,766
DESIGN FOR A DISPLAY BOX FOR HOLDING AN ELECTRIC SHAVER OR SIMILAR ARTICLE
Lillian N. Keene, Libertyville, Ill.
Application May 3, 1945, Serial No. 119,379
Term of patent 3½ years
(Cl. D80—5)



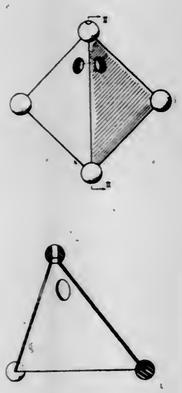
The ornamental design for a display box for holding an electric shaver or similar article, substantially as shown.

141,767
DESIGN FOR A NOVELTY WALL PLAQUE
Abraham P. Lerman, Chicago, Ill.
Application March 2, 1945, Serial No. 118,230
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a novelty wall plaque, substantially as shown.

141,768
DESIGN FOR A HIGHWAY MARKER
Harry E. Neal, Columbus, Ohio
Application September 15, 1944, Serial No. 115,313
Term of patent 14 years
(Cl. D72—1)



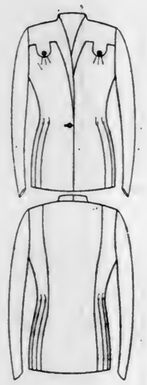
The ornamental design for a highway marker, substantially as shown.

141,769
DESIGN FOR A GOLF CLUB HEAD
Howard P. G. Newsome, New Orleans, La.
Application April 9, 1945, Serial No. 118,929
Term of patent 14 years
(Cl. D34—5)



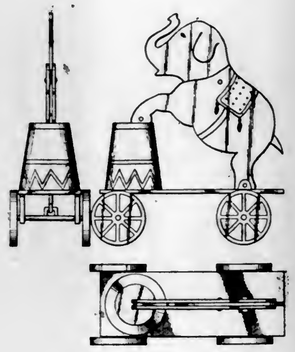
The ornamental design for a golf club head, as shown and described.

141,770
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Harry Sices, Cederhurst, N. Y.
Application May 11, 1945, Serial No. 119,501
Term of patent 3½ years
(Cl. D3—4)



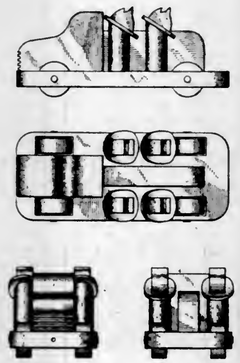
The ornamental design for a jacket or similar article, substantially as shown.

141,771
DESIGN FOR AN ANIMAL FIGURE TOY
William Smith, Detroit, Mich.
Application March 8, 1945, Serial No. 118,349
Term of patent 7 years
(Cl. D34—15)



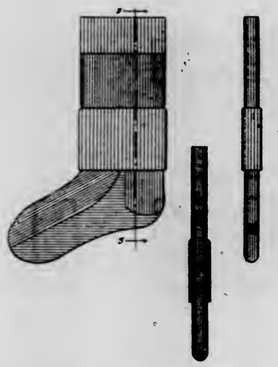
The ornamental design for an animal figure toy, as shown.

141,772
DESIGN FOR A TOY FIRE ENGINE
Charles John Wood, La Porte, Ind., assignor of one-half to Gerald W. Seng
Application March 26, 1945, Serial No. 118,706
Term of patent 7 years
(Cl. D34—15)



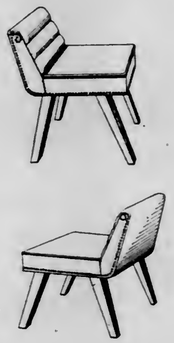
The ornamental design for a toy fire engine, substantially as shown.

141,773
DESIGN FOR A SKI SOCK
Harold R. Anderson, Chelmsford, Mass.
Application April 25, 1945, Serial No. 119,218
Term of patent 14 years
(Cl. D47—7)



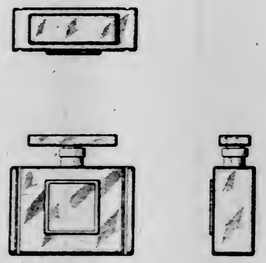
The ornamental design for a ski sock, substantially as shown.

141,774
DESIGN FOR A CHAIR
Sam Belz, Memphis, Tenn.
Application March 7, 1945, Serial No. 118,301
Term of patent 3½ years
(Cl. D15—1)



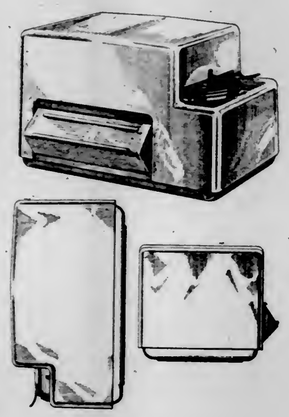
The ornamental design for a chair, substantially as shown.

141,775
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 118,825
Term of patent 14 years
(Cl. D58—6)



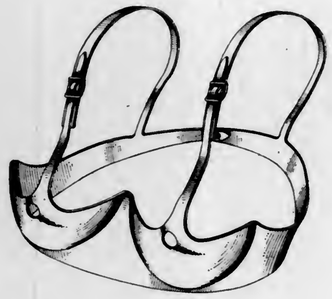
The ornamental design for a perfume bottle or similar article, as shown and described.

141,776
DESIGN FOR A DISK DICTATING MACHINE
Charles W. Dann, Orange, and Louis Z. La Forest, Parsippany - Troy Hills Township, Morris County, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 20, 1945, Serial No. 118,063
Term of patent 14 years
(Cl. D56—4)



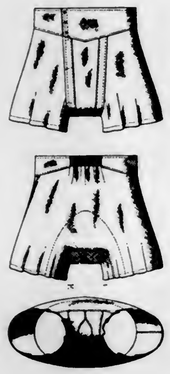
The ornamental design for a disk dictating machine, substantially as shown.

141,777
DESIGN FOR A BRASSIÈRE
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to William J. Tilley, Bristol, Va.
Application February 2, 1945, Serial No. 117,721
Term of patent 14 years
(Cl. D20—4)



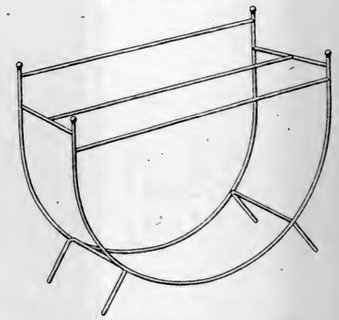
The ornamental design for a brassière, as shown and described.

141,778
DESIGN FOR A MAN'S SHORTS
Philip Friedman, New York, N. Y.
Application April 17, 1945, Serial No. 119,065
Term of patent 14 years
(Cl. D3—17)



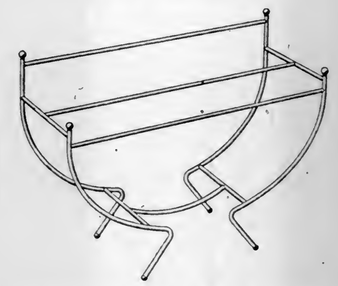
The ornamental design for a man's shorts, as shown.

141,779
DESIGN FOR A TOWEL RACK
David Greene, Brooklyn, N. Y., assignor to Esmco Auto Products Corp., Brooklyn, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 119,514
Term of patent 14 years
(Cl. D33—16)



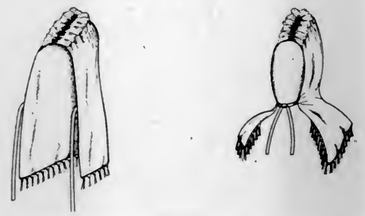
The ornamental design for a towel rack, as shown.

141,780
DESIGN FOR A TOWEL RACK
David Greene, Brooklyn, N. Y., assignor to Esmco Auto Products Corp., Brooklyn, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 119,515
Term of patent 14 years
(Cl. D33—16)



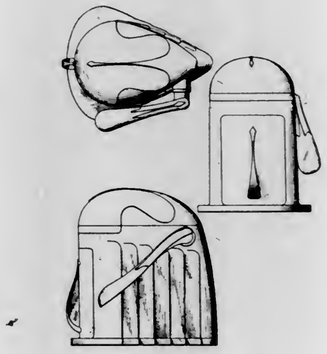
The ornamental design for a towel rack, as shown.

141,781
DESIGN FOR A HEADDRESS
Maria Kincses, Cleveland, Ohio
Application March 15, 1945, Serial No. 118,501
Term of patent 14 years
(Cl. D3—13)



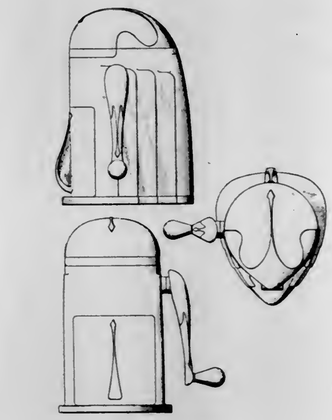
The ornamental design for a headdress, as shown and described.

141,782
DESIGN FOR A JUICE EXTRACTOR
Joseph M. Majewski, Jr., and Henry J. Talge, Kansas City, Mo., assignors to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application February 23, 1945, Serial No. 118,096
Term of patent 14 years
(Cl. D89—1)



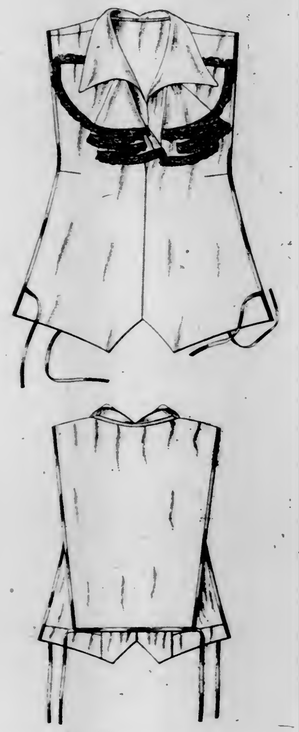
The ornamental design for a juice extractor, substantially as shown.

141,783
DESIGN FOR AN ICE CRUSHER
Joseph M. Majewski, Jr., and Henry J. Talge, Kansas City, Mo., assignors to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application February 23, 1945, Serial No. 118,097
Term of patent 14 years
(Cl. D89—1)



The ornamental design for an ice crusher, substantially as shown.

141,784
DESIGN FOR A DICKEY
Sara Mirsky, New York, N. Y.
Application March 7, 1945, Serial No. 118,316
Term of patent 3½ years
(Cl. D3—25)



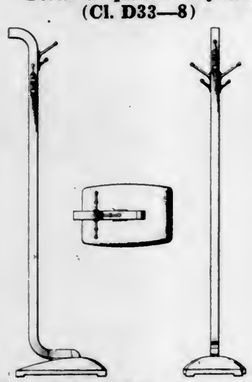
The ornamental design for a dickey, as shown.

141,785
DESIGN FOR A POCKET LIGHTER OR THE LIKE
Harry Negbaur, New York, N. Y.
Application January 27, 1945, Serial No. 117,630
Term of patent 7 years
(Cl. D48—27)



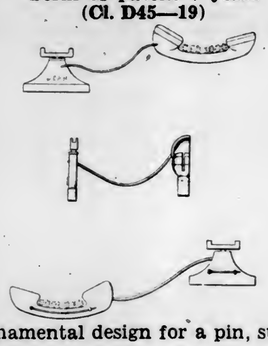
The ornamental design for a pocket lighter or the like, as shown and described.

141,786
DESIGN FOR A COSTUMER
Frederick T. Paden, United States Army, Collingswood, N. J.
Application April 18, 1945, Serial No. 119,078
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a costumer, as shown.

141,787
DESIGN FOR A PIN
Robert Proctor, Jr., Los Angeles, Calif.
Application September 28, 1944, Serial No. 115,501
Term of patent 7 years
(Cl. D45—19)



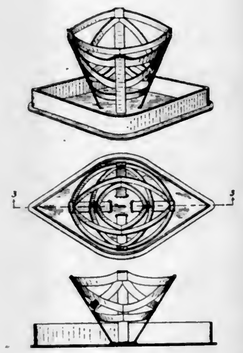
The ornamental design for a pin, substantially as shown.

141,788
DESIGN FOR A CITRUS-FRUIT JUICER
James P. Quam, Chicago, Ill.
Application April 14, 1945, Serial No. 118,998
Term of patent 14 years
(Cl. D89—1)



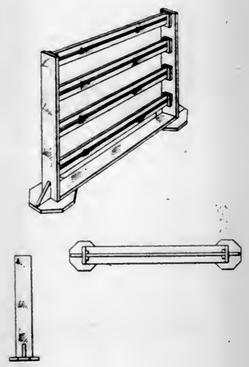
The ornamental design for a citrus-fruit juicer, substantially as shown and described.

141,789
DESIGN FOR A TOILET SOAP RECEPTACLE OR SIMILAR ARTICLE
William C. Quinn, Reading, Mass.
Application March 27, 1945, Serial No. 118,727
Term of patent 14 years
(Cl. D4—3)



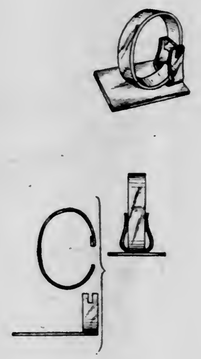
The ornamental design for a toilet soap receptacle or similar article, substantially as shown.

141,790
DESIGN FOR A JEWELRY RACK
Martin Sacoder, New York, N. Y.
Application May 16, 1945, Serial No. 119,569
Term of patent 3½ years
(Cl. D80—9)



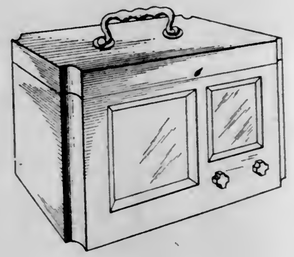
The ornamental design for a jewelry rack, as shown.

141,791
DESIGN FOR A BRACELET DISPLAY STAND
Fred Siegel, New York, N. Y.
Application March 12, 1945, Serial No. 118,438
Term of patent 7 years
(Cl. D80—9)



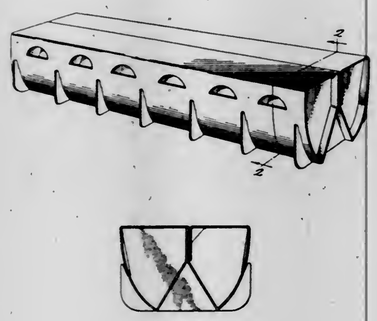
The ornamental design for a bracelet display stand, substantially as shown.

141,792
DESIGN FOR A RADIO RECEIVER CABINET
Horace Terrell, New York, N. Y., assignor to Espey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1944, Serial No. 116,879
Term of patent 3½ years
(Cl. D56—4)



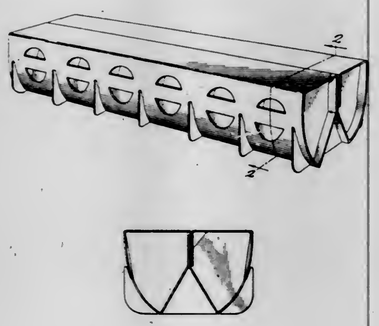
The ornamental design for a radio receiver cabinet, as shown and described.

141,793
DESIGN FOR A CARTON FOR EDIBLES
Leon Benoit, New York, N. Y., assignor to Egg-Safety Carton Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1944, Serial No. 116,922
Term of patent 14 years
(Cl. D58—13)



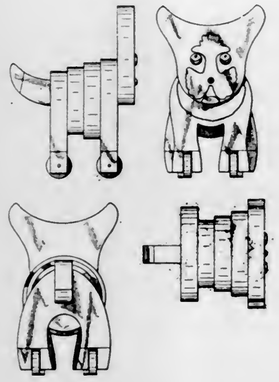
The ornamental design for a carton for edibles, as shown and described.

141,794
DESIGN FOR A CARTON FOR EDIBLES
Leon Benoit, New York, N. Y., assignor to Egg-Safety Carton Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1944, Serial No. 116,923
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a carton for edibles, as shown and described.

141,795
DESIGN FOR A TOY FIGURE
Lawrence C. Boll, Minneapolis, Minn.
Application February 22, 1945, Serial No. 118,080
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy figure, as shown.

141,796
DESIGN FOR A JEWELRY PIN
Arthur Brand, New York, N. Y.
Application August 26, 1944, Serial No. 115,049
Term of patent 7 years
(Cl. D45—19)



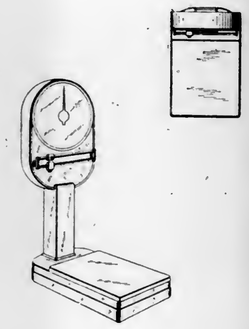
The ornamental design for a jewelry pin, as shown.

141,797
DESIGN FOR A CLOWN DOLL
Julianne F. Lowenstein, University City, Mo.
Application March 17, 1945, Serial No. 118,527
Term of patent 7 years
(Cl. D34—4)



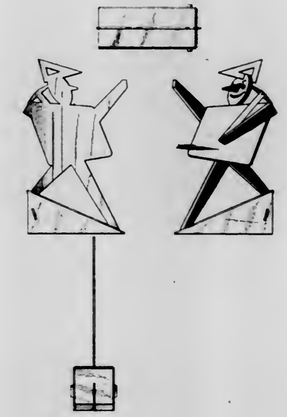
The ornamental design for a clown doll, substantially as shown.

141,798
DESIGN FOR A WEIGHING SCALE
Henry Dreyfuss, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 118,719
Term of patent 14 years
(Cl. D52—10)



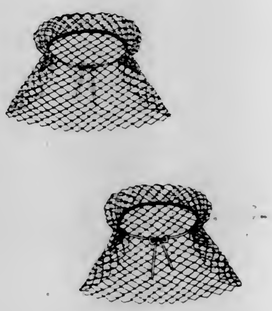
The ornamental design for a weighing scale, substantially as shown and described.

141,799
DESIGN FOR A STATUETTE
Todd O'Donnell, Chicago, Ill., assignor to Estate of Harold L. De Lisle, a trust, doing business as Engineering Manufacturing Company, Sheboygan, Wis.
Application March 16, 1945, Serial No. 118,518
Term of patent 14 years
(Cl. D29—23)



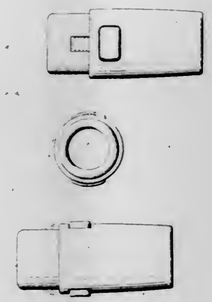
The ornamental design for a statuette, substantially as shown.

141,800
DESIGN FOR A HEADDRESS
Alice Rainess, New York, N. Y.
Application April 19, 1945, Serial No. 119,097
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a headdress, substantially as shown.

141,801
DESIGN FOR A SUCTION CLEANER HOSE COUPLING OR SIMILAR ARTICLE
George R. Coss, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 27, 1944, Serial No. 116,580
Term of patent 14 years
(Cl. D9—2)



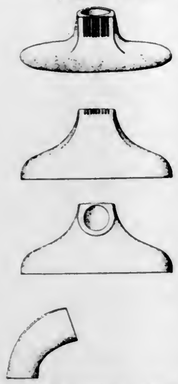
The ornamental design for a suction cleaner hose coupling or similar article, as shown and described.

141,802
DESIGN FOR A SUCTION CLEANER DUSTING BRUSH OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1944, Serial No. 116,274
Term of patent 14 years
(Cl. D9—2)



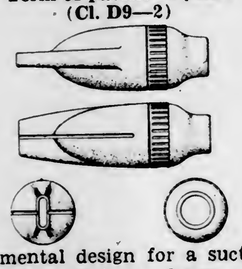
The ornamental design for a suction cleaner dusting brush or similar article, as shown.

141,803
DESIGN FOR A SUCTION CLEANER NOZZLE OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1944, Serial No. 116,275
Term of patent 14 years
(Cl. D9—2)



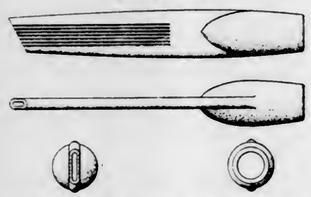
The ornamental design for a suction cleaner nozzle or similar article, as shown.

141,804
DESIGN FOR A SUCTION CLEANER NOZZLE OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1944, Serial No. 116,276
Term of patent 14 years
(Cl. D9—2)



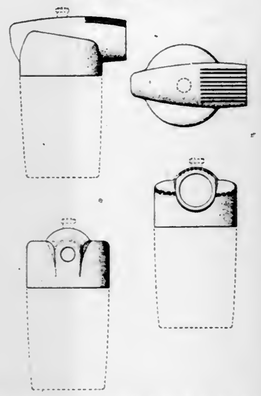
The ornamental design for a suction cleaner nozzle or similar article, as shown.

141,805
DESIGN FOR A SUCTION CLEANER NOZZLE OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1944, Serial No. 116,277
Term of patent 14 years
(Cl. D9—2)



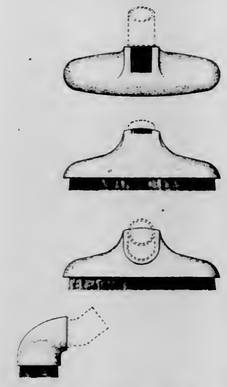
The ornamental design for a suction cleaner nozzle or similar article, as shown.

141,806
DESIGN FOR A SPRAYER OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 11, 1944, Serial No. 116,278
Term of patent 14 years
(Cl. D62—2)



The ornamental design for a sprayer or similar article, as shown and described.

141,807
DESIGN FOR A SUCTION CLEANER BRUSH OR SIMILAR ARTICLE
Kurt H. Wittke, Berkeley, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1944, Serial No. 116,332
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a suction cleaner brush or similar article, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accreylon Company: *See*—
Cook, Hugh F.

Air Reduction Sales Company, New York, N. Y. Electrode holders. Serial No. 479,322; July 3. Class 21.

Allied Plastics Company, Los Angeles, Calif. Compacts. Serial Nos. 470,062–3; July 3. Class 2.

American Druggists Syndicate, Inc., Long Island City, N. Y. Solution for treatment of athlete's foot, ring worm, etc. Serial No. 482,410; July 3. Class 6.

Andersen, Alfred C., Julesburg, Colo. Internal medicine. Serial No. 481,513; July 3. Class 6.

Associated Distributors, Inc., Chicago, Ill. Face powder, face make-up in cake or solid form, rouge, etc. Serial No. 480,275; July 3. Class 6.

Babbitt, B. T., Inc., Albany and New York, N. Y. Remembrance book. Serial No. 479,610; July 3. Class 37.

Babbitt, B. T., Inc., Albany and New York, N. Y. Cake decorator sets. Serial No. 479,611; July 3. Class 23.

Bercker-Young Company, Milwaukee, Wis. Printed technical charts, tables, and drawings sold as such. Serial No. 473,557; July 3. Class 38.

Betts & Betts Corporation, New York, N. Y. Electric relays, electric flashers, timing controls, etc. Serial No. 474,649; July 3. Class 21.

Blackhawk Mfg. Co., West Allis, Wis. Wrenches and twisting tool sets. Serial No. 477,349; July 3. Class 23.

Bonwit Teller, Inc., New York, N. Y. Perfumes. Serial No. 481,266; July 3. Class 6.

Brandt, Rene, Fabrique d'Horlogerie Ogival, La Chaux-de-Fonds, Switzerland. Watches and parts of the watch. Serial No. 481,661; July 3. Class 27.

Breyer Ice Cream Company, Inc., New York, N. Y. Fried ready-to-serve noodles. Serial No. 476,357; July 3. Class 46.

Brown & Bigelow, St. Paul, Minn. Leather goods. Serial No. 470,958; July 3. Class 3.

Brown Steel Tank Company, Minneapolis, Minn. Metal tanks. Serial Nos. 480,102–3; July 3. Class 2.

Bruner Corporation, Milwaukee, Wis. Water softeners and filters of the chemical container type. Serial No. 480,501; July 3. Class 13.

C. L. S. Products Corp., Pittsburgh, Pa. Ointment. Serial No. 474,878; July 3. Class 6.

Cafes, Chocolates Aguila y Productos Saint Hermanos, Sociedad Anonima, Buenos Aires, Argentina. Chocolate, milk chocolate, milk marmalade, etc. Serial No. 470,137; July 3. Class 46.

Callaway Mills, La Grange, Ga. Canvas portfolios. Serial No. 474,572; July 3. Class 3.

Callaway Mills, La Grange, Ga. Adhesives of cellulose material for general use. Serial No. 474,574; July 3. Class 5.

Carter, H. W., & Co. Limited, Bristol, England. Blackcurrant syrup prepared for medicinal purposes. Serial No. 478,782; July 3. Class 6.

Certified Gauge & Instrument Corp., Long Island City, N. Y. Pressure gauges. Serial No. 482,092; July 3. Class 26.

Cohan Co., The, New York, N. Y. Finger rings. Serial Nos. 481,695–6; July 3. Class 28.

Collins, Ashton B., doing business as Reddy Killowatt, Short Hills, N. J., and New York, N. Y. Cartoons and comic strips. Serial No. 480,406; July 3. Class 38.

Commonwealth Bedding Manufacturing Co., South Boston, Mass. Mattresses and box springs. Serial No. 477,258; July 3. Class 32.

Concord Foods, Inc., Concordville, Pa. Canned mushrooms. Serial No. 482,671; July 3. Class 46.

Cook, Hugh F., doing business as Accreylon Company, New York, N. Y. Sanitary pads and napkins. Serial No. 481,836; July 3. Class 44.

Cooper, Cyrus, Incorporated, New York, N. Y. Suppositories. Serial No. 481,465; July 3. Class 6.

Cork Import Corporation, New York, N. Y. Waterproof adhesive cements. Serial No. 481,522; July 3. Class 5.

Cromwell Paper Company, The, Chicago, Ill. Tympan and waterproof, greaseproof, moisture-proof, and vaporproof wrapping paper. Serial No. 472,943; July 3. Class 37.

Crowther, John, & Sons (Milnsbridge) Limited, Huddersfield, Yorkshire, England. Piece goods. Serial No. 476,756; July 3. Class 42.

Crozer Land Association, Philadelphia, Pa. Coal. Serial No. 481,468; July 3. Class 1.

Curly Lox Products: *See*—
Plate, Robert T.

Day & Frick: *See*
Day Howard D.

Day, Howard D., doing business as Day & Frick, Philadelphia, Pa. Soap for cleaning. Serial No. 480,011; July 3. Class 4.

Derrick Publishing Company, The, Oil City, Pa. Daily newspaper. Serial Nos. 476,150–1; July 3. Class 38.

Derrick Publishing Company, The, Oil City, Pa. Weekly newspaper. Serial No. 476,152; July 3. Class 38.

Diamond T Preserving Co., Los Angeles, Calif. Berry preserves, jellies, and marmalades. Serial No. 481,179; July 3. Class 46.

Di-Noc Company, The, Cleveland, Ohio. Sensitized photographic film. Serial No. 481,888; July 3. Class 26.

Di-Noc Manufacturing Company, The, Cleveland, Ohio. Sensitized photographic film. Serial No. 477,497; July 3. Class 26.

Endo Products, Inc., New York, N. Y. Medicinal preparation. Serial No. 482,036; July 3. Class 6.

Enterprise Engine & Foundry Co., San Francisco, Calif. Apparatus affixed to an oil pump to measure the flow of oil therethrough. Serial No. 478,614; July 3. Class 26.

Eugene, Ltd., Brooklyn, N. Y. Permanent waving solutions and hair drying solutions. Serial No. 479,561; July 3. Class 6.

Eugene, Ltd., Brooklyn, N. Y. Electric hair driers, permanent hair waving machines and accessories. Serial No. 479,562; July 3. Class 44.

Extended Surface, Inc., Brooklyn, N. Y. Finned tubing. Serial No. 475,947; July 3. Class 34.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic cameras. Serial No. 481,016; July 3. Class 26.

G. & G. Precision Works, Inc., New York and Long Island City, N. Y. Cardiographs. Serial No. 476,671; July 3. Class 44.

Geller, Andrew, Shoe Manufacturing Co. Inc., Brooklyn, N. Y. Leather. Serial No. 482,100; July 3. Class 1.

General Distilleries Corporation, Hartford, Conn. Rum. Serial No. 469,538; July 3. Class 49.

Gilbert, William L., Clock Corporation, Winstead, Conn. Clocks. Serial No. 481,535; July 3. Class 27.

Gold Medal Candy Company, Brooklyn, N. Y. Candy. Serial No. 482,876; July 3. Class 46.

Graphic Arts Corporation of Ohio, Toledo, Ohio. Prints of mechanical drawings, architects plans and like designs. Serial No. 467,885; July 3. Class 38.

Gregory & Read Co., Lynn, Mass. Ladies' and misses' shoes. Serial No. 481,410; July 3. Class 39.

Hammel, Riglander & Co. Inc., New York, N. Y. Pliers, nippers, hammers, and hand vises. Serial No. 479,873; July 3. Class 23.

Harold & Harold, New York, N. Y. Change purses. Serial No. 478,388; July 3. Class 3.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon. Serial No. 477,230; July 3. Class 38.

Icet Company: *See*—
MacMunn, H. Gordon.

International Silver Company, Meriden, Conn. Sterling silver flat-ware and hollow-ware for table use and the like. Serial No. 481,540; July 3. Class 28.

Johns-Manville Corporation, New York, N. Y. Molded packing. Serial No. 476,516; July 3. Class 35.

Kelco Company, San Diego, Calif. Algin product. Serial No. 462,315; July 3. Class 46.

Keller Tool Company, Grand Haven, Mich. Portable pneumatic drills, screw drivers, nut setters, etc. Serial No. 471,526; July 3. Class 23.

Keuffel & Esser Company, Hoboken, N. J. Sensitized photographic papers and cloths. Serial No. 478,712; July 3. Class 26.

King of Slacks, Inc., New York, N. Y. Slacks for women. Serial No. 471,035; July 3. Class 39.

Kommel, A., & Sons, New York, N. Y. Hosiery. Serial No. 480,774; July 3. Class 39.

Kroehler Mfg. Co., Naperville, Ill. Upholstered living room furniture. Serial No. 481,187; July 3. Class 32.

Landers, Frary & Clark, New Britain, Conn. Cutlery. Serial No. 479,041; July 3. Class 23.

Lansdowne Distillery, The, Havre de Grace and Baltimore, Md. Whiskey, brandy, gin, and liqueur. Serial No. 479,005; July 3. Class 49.

Laskin, J., & Sons, Corp., New York, N. Y. Tanned and treated skins. Serial No. 481,743; July 3. Class 1.

Legion of the Half-a-Heart, Los Angeles, Calif. Pins, brooches, clasps and clips. Serial No. 479,521; July 3. Class 28.

Leroux & Co., Inc., Philadelphia, Pa. Creme de Menthe. Serial No. 481,480; July 3. Class 49.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts and lipstick holders. Serial No. 482,162; July 3. Class 2.

Licco Packing Co., Inc., Merrick, N. Y. Liquid bleach. Serial No. 479,391; July 3. Class 6.

MacMunn, H. Gordon, doing business as Icet Company, Newark, N. J. Base preparation for cake icing. Serial No. 480,545; July 3. Class 46.

Madera Bonded Wine & Liquor Company: *See*—
Steinbach, Samuel.

Manhattan Shirt Company, The, New York, N. Y. Articles of wearing apparel. Serial No. 480,919; July 3. Class 39.
Martin Machine Company, Kewanee, Ill. Trailers. Serial No. 475,154; July 3. Class 19.
Mathez, Edmond, Tramelan (Canton of Berne), Switzerland. Watches and parts thereof. Serial No. 475,698; July 3. Class 27.
May, Jack, doing business as Sardeau, New York, N. Y. Perfume, lipsticks, rouge, face powder, etc. Serial No. 482,064; July 3. Class 6.
Miner's, Inc., New York, N. Y. Make-up base. Serial No. 469,439; July 3. Class 6.
Mitchell, Norman D., doing business as Wire-O-Binding Company of Chicago, Chicago, Ill. Photograph albums. Serial No. 480,295; July 3. Class 37.
Monsanto Chemical Company, St. Louis, Mo. Solutions, suspensions and emulsions. Serial No. 478,718; published July 3. Class 6.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Liquid rodent repellent. Serial No. 480,193; July 3. Class 6.
National Glass Distributors Association, Chicago, Ill. Pamphlets or catalogs. Serial No. 461,803; July 3. Class 38.
National Silver Company, New York, N. Y. Wallets, pocketbooks, overnight cases, etc. Serial No. 473,951; July 3. Class 3.
Navy Family Magazine: *See*—
Paolozzi, Mary.
Norton Company, Worcester, Mass. Abrading, grinding and lapping machines and attachments therefor not including abrading elements. Serial No. 480,296; July 3. Class 23.
Nutrition Research Laboratories, Chicago, Ill. Vitamin D concentrate. Serial No. 481,421; July 3. Class 6.
Oakite Products, Inc., New York, N. Y. Chemical preparation. Serial No. 478,790; July 3. Class 6.
P. H. D. Laboratory, Inc., New Orleans, La. Sedative medicine. Serial No. 481,290; July 3. Class 6.
Pal Blade Company, New York, N. Y. Safety razor blades. Serial No. 481,078; July 3. Class 28.
Panish Controls: *See*—
Panish, Erwin J.
Panish, Erwin J., doing business as Panish Controls, Bridgeport, Conn. Electric remote control and signal equipment. Serial No. 469,090; July 3. Class 21.
Parke, Davis & Company, Detroit, Mich. Biological product effective as a vaccine. Serial No. 481,423; July 3. Class 6.
Paolozzi, Mary, doing business as Navy Family Magazine, Whittier, Calif. Magazines. Serial No. 474,635; July 3. Class 38.
Picker X-Ray Corporation, New York, N. Y. Replenisher for developer for X-ray film. Serial No. 481,380; July 3. Class 6.
Picker X-Ray Corporation, New York, N. Y. Fixer for X-ray films. Serial No. 481,381; July 3. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. House organ. Serial No. 471,360; July 3. Class 38.
Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Face powder, rouge and lipstick. Serial No. 478,898; July 3. Class 6.
Proportioneers, Inc., Providence, R. I. Proportioning pumps, parts thereof and bases therefor. Serial No. 478,407; July 3. Class 23.
Providence Jewelers, Inc., Providence, R. I. Necklaces, pins, bracelets, etc. Serial No. 481,905; July 3. Class 28.
Purolator Products, Inc., Newark, N. J. Filters. Serial No. 473,337; July 3. Class 23.
RKO Television Corporation, Dover, Del., and New York, N. Y. Printed scrips. Serial No. 473,427; July 3. Class 38.
Radio Television Products Corporation, Grass Lake, Mich. Electronic inductances. Serial No. 482,347; July 3. Class 21.
Reddy Kilowatt: *See*—
Collins, Ashton B.
Reiss-Premier Corporation, The, West New York, N. Y. Smokers' pipes, cigars and cigarette holders. Serial Nos. 481,908–9; July 3. Class 8.
Sacks, Harriet, New York, N. Y. Smoking pipes. Serial No. 481,960; July 3. Class 8.
Sardeau: *See*—
May, Jack.
Saval Company, Los Angeles, Calif. Hydraulic valves and hydraulic valve parts. Serial No. 474,830; July 3. Class 13.
Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. Serial No. 481,437; July 3. Class 48.
Scheri & Roth, Inc., Cleveland, Ohio. Violin, viola, cello, guitar, etc. Serial No. 481,678; July 3. Class 36.
Schroeder Bros. Inc., New York, N. Y. Cheese. Serial No. 458,486; July 3. Class 46.
Sleeper, Milton B., Great Barrington, Mass. Monthly magazine. Serial No. 480,198; July 3. Class 38.
Society for Visual Education, Inc., Chicago, Ill. Picture-projection sets or outfits, picture projection apparatus and machines, etc. Serial No. 475,281; July 3. Class 26.
Sonneborn, L., Sons, Inc., New York, N. Y. Liquid preparation to be incorporated with or applied to cement and concrete. Serial No. 480,476; July 3. Class 12.
Spott Electrical Co., Oakland, Calif. Cold cathode lighting tubes for illuminating purposes. Serial No. 476,702; July 3. Class 21.
Standard Gage Company, Inc., Poughkeepsie, N. Y. Dial indicators. Serial No. 476,992; July 3. Class 26.
Steinbach, Samuel, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Vermouths, champagnes and other wines. Serial No. 472,470; July 3. Class 47.
Street & Smith Publications, Inc., New York, N. Y. Column in a periodical published at intervals. Serial No. 472,160; July 3. Class 38.
Sutro, Adolph N., Los Angeles, Calif. Propeller driven aircraft, propeller driven airplanes, gliders, etc. Serial No. 468,907; July 3. Class 19.
Tabb, H. E., Co.: *See*—
Tabb, Holmes B.
Tabb, Holmes B., doing business as H. E. Tabb Co., Oceano, Calif. Fresh vegetables. Serial No. 481,387; July 3. Class 46.
Taylor, Henry F., Glendale, Calif. Men's talcum powder, hair tonic, after shave lotion, etc. Serial No. 475,705; July 3. Class 6.
Texfan Company, Houston, Tex. Electrically driven fans of the circular type. Serial No. 479,540; July 3. Class 21.
Thompson-Weinman & Co. Inc., Cartersville, Ga. Mechanically ground calcium carbonate. Serial No. 426,466; July 3. Class 1.
Toney, Charles W., Davenport, Iowa. Magazine of articles and photographs. Serial No. 480,807; July 3. Class 38.
Toni, Inc., St. Paul, Minn. Home permanent waving kit. Serial No. 477,286; July 3. Class 50.
Transformer Engineering Corporation, Cleveland, Ohio. Transformers, ballasts, reactors, etc. Serial No. 482,303; July 3. Class 21.
Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound. Serial No. 481,763; July 3. Class 12.
United Wallpaper, Inc., Chicago, Ill. Wallpaper, borders and decorative paper coverings. Serial No. 480,391; July 3. Class 37.
Village Winery, Inc., Escalon, Calif. Wines. Serial No. 481,391; July 3. Class 47.
Vitamin-Erg Co., Inc., New York, N. Y. Chocolate food supplement containing vitamins. Serial No. 463,111; July 3. Class 6.
Waldron & Company, Inc., Philadelphia, Pa. Precious stones. Serial No. 475,349; July 3. Class 28.
Waverly Petroleum Products Company, Philadelphia, Pa. Dry acid compound. Serial No. 481,504; July 3. Class 6.
Welta Watch Co., Ltd., Bienne, Switzerland. Watches. Serial No. 480,361; July 3. Class 27.
Weston Electrical Instrument Corporation, Newark, N. J. Electrical relays. Serial No. 479,319; July 3. Class 21.
Wire-O-Binding Company of Chicago: *See*—
Mitchell, Norman D.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Leather Goods Co., New York, N. Y. Cases not made of precious metals for spectacles. 414,937; July 3; Serial No. 479,829; published Apr. 24, 1945. Class 2.
Achorn Steel Company, Boston, Mass. Iron and steel. 414,951; July 3. Class 14.
American Art Service, Chicago, Ill. Writing paper and envelopes. 414,946; July 3. Class 37.
American Felsol Company, assignor, by mesne assignments, to American Felsol Company, Lorain, Ohio. Medicines for use in the treatment of asthmatic affections. 199,780; renewed June 16, 1945. O. G. July 3. Class 6.
American Lady Specialties Mfg. Co.: *See*—
Vogel, William D.
Anaheim Co-operative Orange Association, Anaheim, Calif. Fresh citrus fruits. 203,886–7; renewed Sept. 29, 1945. O. G. July 3. Class 46.
Arnel Company, Inc., The, New York, N. Y. Coated cotton fabrics. 414,922; July 3; Serial No. 478,846; published Apr. 17, 1945. Class 42.
Artloom Corporation: *See*—
Philadelphia Tapestry Mills, assignor.
Associated Produce Packers, Sacramento, Calif. Fresh deciduous fruits. 414,982; July 3. Class 46.
Augusta Canning Company: *See*—
Baxter, H. C., & Bro.
B-Z-B Knitting Co., Rockford, Ill. Hosiery. 414,893; July 3; Serial No. 477,911; published Apr. 24, 1945. Class 39.

Baltic Amber Co., New York, N. Y. Unfilled vanity cases and compacts. 414,942; July 3; Serial No. 480,497; published Apr. 24, 1945. Class 2.
Baxter, H. C., & Bro., doing business also as Augusta Canning Company, Brunswick, Maine. Canned fruits and canned vegetables. 46,545; re-renewed Sept. 26, 1945. O. G. July 3. Class 46.
Baxter, H. C., & Bro.: *See*—
Baxter, Hartley C., assignor.
Baxter, Hartley C., assignor to H. C. Baxter & Bro., doing business also as Augusta Canning Company, Brunswick, Maine. Canned fruits and canned vegetables. 46,546; re-renewed Sept. 26, 1945. O. G. July 3. Class 46.
Beech-Nut Packing Company, Canajoharie, N. Y. Candies. 203,060; renewed Sept. 8, 1945. O. G. July 3. Class 46.
Berkowitz, Joseph, doing business as Triangle Manufacturing Company, Minneapolis, Minn. Games of chance played with concealed numbers. 414,886; July 3; Serial No. 477,255; published Apr. 24, 1945. Class 22.
Billings & Spencer Company, The: *See*—
Coes Wrench Co., assignor.
Birdsey Flour Mills, Macon, Ga. Hog feed, dairy feed, and laying mash. 414,973; July 3. Class 46.
Birdsey Flour Mills, Macon, Ga. Corn meal. 414,974; July 3. Class 46.
Borg, Florence E.: *See*—
Ezell, Abel T., assignor.
Brick Oven Bakers, Inc., Port Chester, N. Y. Baked goods. 414,962; July 3. Class 46.
Brick Oven Bakers, Inc., Port Chester, N. Y. Baked goods. 414,964; July 3. Class 46.
Bridgewater Woolen Company: *See*—
Mackenzie, Frank S.
Briggs, Betty: *See*—
Briggs, Betty, Inc., assignor.
Briggs, Betty, Inc., New York, N. Y., assignor to Betty Briggs, New York, N. Y. Women's and misses' dresses. 414,949; July 3. Class 39.
Buckeye Products Company, The, Cincinnati, Ohio. Refractory cement. 203,845; renewed Sept. 29, 1945. O. G. July 3. Class 12.
Bullard Company, The, Bridgeport, Conn. Machine tool control. 414,870; July 3; Serial No. 472,762; published Apr. 24, 1945. Class 23.
Bullard Company, The, Bridgeport, Conn. Machine tool control. 414,872–3; July 3; Serial Nos. 473,722–3; published Apr. 24, 1945. Class 23.
Bunte Brothers, Chicago, Ill. Candy. 200,962; renewed July 14, 1945. O. G. July 3. Class 46.
Buxton & Skinner Printing and Stationery Company, St. Louis, Mo. Bond paper. 414,979; July 3. Class 37.
B. V. D. Corporation, The, Baltimore, Md. Cotton piece goods. 414,863; July 3; Serial No. 466,969; published Apr. 17, 1945. Class 42.
Calvert Clothes: *See*—
Ginsberg, S., Sons.
Certain-Teed Products Corporation, New York, N. Y., to Certain-Teed Products Corporation, Chicago, Ill. Land plaster. 197,494; renewed Apr. 21, 1945. O. G. July 3. Class 10.
Certain-Teed Products Corporation, New York, N. Y., to Certain-Teed Products Corporation, Chicago, Ill. Liquid asphalt, pitch, coal tar, and crushed gypsum rock. 198,015; renewed Apr. 28, 1945. O. G. July 3. Class 1.
Chero-Cola Company, assignor, by mesne assignments, to Nehi Corporation, Columbus, Ga. Nonintoxicating, maltless beverage and sirup for making the same. 198,552; renewed May 19, 1945. O. G. July 3. Class 45.
Cherry-Burrell Corporation, Chicago, Ill. Liquid heating and cooling apparatus. 414,943; July 3. Class 23.
Coes Wrench Co., Worcester, Mass., assignor, by mesne assignments, to The Billings & Spencer Company, Hartford, Conn. Adjustable screw-wrenches. 46,548; re-renewed Sept. 26, 1945. O. G. July 3. Class 23.
Cordo Chemical Corporation, Norwalk, Conn. Adhesives. 414,934; July 3; Serial No. 479,554; published Apr. 24, 1945. Class 5.
Corley Manufacturing Company, Chattanooga, Tenn. Saw mills, edgers, lumber trimmers, and saws. 414,966; July 3. Class 23.
Corley Manufacturing Company, Chattanooga, Tenn. Saw bits, shanks, swing saws, etc. 414,967; July 3. Class 23.
Crane & Co., Inc.: *See*—
Crane, Z. & W. M., assignor.
Crane, Z. & W. M., assignor, by mesne assignments, to Crane & Co., Inc., Dalton, Mass. Writing-paper and envelops. 46,738; re-renewed Oct. 3, 1945. O. G. July 3. Class 37.
Crawford, Julma B., doing business as Topp-Itt Products Company, Chicago, Ill. Water-proof hat covers. 414,887; July 3; Serial No. 477,546; published Apr. 17, 1945. Class 39.
Crescent Watch Case Co., The, New York, N. Y., assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch-movements. 46,756; re-renewed Oct. 3, 1945. O. G. July 3. Class 27.
D. & P. Pipe Works, Boone, N. C. Smokers' pipes and parts therefor. 414,972; July 3. Class 8.
De Longe, Harry F., Chicago, Ill. Roach, ant, and waterbug exterminator. 197,608; renewed Apr. 21, 1945. O. G. July 3. Class 6.
Delmer, Norman C., Wheatfield, N. Y. Apple juice and cider vinegar. 414,986; July 3. Class 46.
Detroit Industrial Products Co., Detroit, Mich. Portable electric shop light. 414,892; July 3; Serial No. 477,799; published Apr. 24, 1945. Class 21.
Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Inks of all kinds. 414,968; July 3. Class 11.
Diamond Spear Co., The: *See*—
Spear, Clifton T.
Distilled Liquors Import Co. Inc., New York, N. Y. Brandy. 414,958; July 3. Class 49.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Crucibles and furnace covers. 414,871; July 3; Serial No. 472,805; published Apr. 24, 1945. Class 34.
Doniger, David D., & Co., Inc., New York, N. Y. Men's and boy's sport and dress shirts, slacks, ensemble suits, etc. 414,931; July 3; Serial No. 479,170; published Apr. 24, 1945. Class 39.
Driver-Harris Company, Harrison, N. J. Wires, strips, sheets, etc. 203,688; renewed Sept. 22, 1945. O. G. July 3. Class 14.
Dunlap & Co., New York, N. Y., assignor, by mesne assignments, to Hat Corporation of America, Norwalk, Conn. Hats and caps. 46,602; re-renewed Sept. 26, 1945. O. G. July 3. Class 39.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Bronzing liquids, bronze powders, paint enamels, etc. 199,516; renewed June 9, 1945. O. G. July 3. Class 16.
Duquesne Paint Company, Pittsburgh, Pa. Ready-mixed paints, colors in oil, and white lead. 201,995; renewed Aug. 11, 1945. O. G. July 3. Class 16.
Durham Hosiery Mills: *See*—
Lehigh Silk Hosiery Mills, Inc., assignor.
Elosesser-Heynemann Company, San Francisco, Calif. Overalls. 200,660; renewed July 7, 1945. O. G. July 3. Class 39.
Enterprise Aluminum Company, The, Massillon, Ohio. Base metal cooking hollowware. 414,948; July 3. Class 13.
Enterprise Manufacturing Company, The: *See*—
Precision Castings Company, Inc., assignor.
Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.
Everybody's Vacation Publishing Co. Inc., New York, N. Y. Magazine. 414,944; July 3. Class 38.
Ezell, Abel T., Bellflower, assignor, by mesne assignments, to Florence E. Borg, Long Beach, Calif. Tablet for treating colds. 197,845; renewed Apr. 28, 1945. O. G. July 3. Class 6.
E-Z-On Company, The, Detroit, Mich. Magazine wrench. 414,885; July 3; Serial No. 477,102; published Apr. 24, 1945. Class 23.
Fashion Park, Inc., Rochester, N. Y. Men's, coats, vests, pants, and overcoats. 414,987; July 3. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's, suits, coats, pants and vests. 414,988; July 3. Class 39.
Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 414,989; July 3. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's sack coats and men's overcoats. 414,990; July 3. Class 39.
Fernando Valley Milling & Supply Co., Van Nuys, Calif. Feeds for animals and poultry. 414,984–5; July 3. Class 46.
Floor Coverings Co., New York, N. Y. Rugs and carpets. 414,923; July 3; Serial No. 478,864; published Apr. 17, 1945. Class 42.
Ford, Silas M., Jr., doing business as Sifo Novelty Company, St. Paul, Minn. Toys and games. 414,878; July 3; Serial No. 475,308; published Apr. 24, 1945. Class 22.
Frankenberg Bros., Inc., Columbus, Ohio. Foldable paperboard boxes and cartons. 414,899–90; July 3; Serial Nos. 478,313–14; published Apr. 24, 1945. Class 2.
Garay & Company, New York, N. Y. Handbags. 414,975; July 3. Class 3.
Geldur Novelty Co., New York, N. Y. Peg game for two players. 414,940; July 3; Serial No. 480,234; published Apr. 24, 1945. Class 22.
General Desserts Corporation, New York, N. Y. Chocolate flavored syrup. 414,970; July 3. Class 45.
Ginsberg, S., Sons, doing business as Calvert Clothes, Baltimore, Md. Men's suits. 414,879; July 3; Serial No. 475,390; published Apr. 17, 1945. Class 39.
Gladstone Case Mfg. Co., Inc., Chicago, Ill. Hand luggage. 414,902–7; July 3; Serial Nos. 478,617–22; published Apr. 24, 1945. Class 3.
Gladstone Case Mfg. Co., Inc., Chicago, Ill. Hand luggage. 414,908–9; July 3; Serial Nos. 478,624–5; published Apr. 24, 1945. Class 3.
Gladstone Case Mfg. Co., Inc., Chicago, Ill. Hand luggage. 414,910; July 3; Serial No. 478,627; published Apr. 24, 1945. Class 3.
Gold Dust Corporation, Jersey City, N. J. assignor to Lever Brothers Company, Cambridge, Mass. Washing powders. 200,669; renewed July 7, 1945. O. G. July 3. Class 4.
Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Pearl barley. 414,981; July 3. Class 46.

Griesedieck Western Brewery Company, Belleville, Ill. Beer. 414,957; July 3. Class 48.
Grocers Packing Company: *See*—
Gordon, Leonard.
Guardias Ointment Company, Inc., The, New York, N. Y. Remedy for the treatment of diseases of the blood. 196,498; renewed Mar. 17, 1945. O. G. July 3. Class 6.
Hackett Automotive Accessories Corporation, Providence, R. I. Wiper arms of the squeegee type. 414,896; July 3; Serial No. 478,121; published Apr. 24, 1945. Class 19.
Haire Publishing Company, New York, N. Y. Annual directory of products. 414,976; July 3. Class 38.
Hale, William A., doing business as X-Ring Products Co., Peoria, Ill. Oil burners. 414,935; July 3; Serial No. 479,678; published Apr. 17, 1945. Class 34.
Hartford Mattress Co. Inc., Hartford, Conn. Mattresses. 414,882; July 3; Serial No. 476,764; published Apr. 24, 1945. Class 32.
Hat Corporation of America: *See*—
Dunlap & Co., assignor.
Helbros Watch Company, Inc., The, New York, N. Y. Watches, watch movements and watch cases. 414,881; July 3; Serial No. 476,389; published Apr. 24, 1945. Class 37.
Henlein Brothers Co., Ltd., Cincinnati, Ohio. Outer shirts. 414,897–8; July 3; Serial Nos. 478,278–9; published Apr. 17, 1945. Class 39.
Higgins Industries, Inc., New Orleans, La. Engine clutch and reverse gear mechanism, hypoid and helican gears, etc. 414,869; July 3; Serial No. 472,147; published Apr. 24, 1945. Class 23.
Hill, Fred A., Redlands, Calif. Fresh oranges. 414,921; July 3; Serial No. 478,751; published Apr. 24, 1945. Class 46.
Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. 414,952; July 3. Class 21.
Hudnut, Richard, New York, N. Y. Cosmetic kits. 414,874; July 3; Serial No. 473,946; published Apr. 24, 1945. Class 50.
Hydro-Power Systems, Incorporated, Mount Gilead, Ohio. Hydraulic pumps, hydraulic presses, hydraulic control valves, and other accessories. 414,945; July 3. Class 23.
Imperial Knife Company, Inc., Providence, R. I. Pocket knives. 414,861; July 3; Serial No. 466,303; published Apr. 24, 1945. Class 23.
Industrial Medicine Publishing Company, Chicago, Ill. Periodical publication. 414,960; July 3. Class 38.
Ingraham, E, Company, The, Bristol, Conn. Clocks. 414,867; July 3; Serial No. 471,260; published Apr. 24, 1945. Class 27.
International Motor Company, assignor, by mesne assignments, to Mack Manufacturing Corporation, New York, Motor trucks. 202,629; renewed Sept. 1, 1945. O. G. July 3. Class 19.
Iowa Canning Company, Vinton, Iowa. Canned vegetables. 202,446; renewed Aug. 25, 1945. O. G. July 3. Class 46.
Ivers-Lee Company, Newark, N. J. Merchandise envelopes. 414,868; July 3; Serial No. 471,560; published Apr. 24, 1945. Class 2.
J and C Bedspread Company, Elliljay, Ga. Scatter rugs. 414,891; July 3; Serial No. 477,703; published Apr. 17, 1945. Class 42.
Jel Sert Company, The, Chicago, Ill. Powder concentrate for making maple flavored table syrup. 414,955; July 3. Class 46.
Johnston, Robert A., Company, Milwaukee, Wis. Candy. 199,623; renewed June 16, 1945. O. G. July 3. Class 46.
Kelley, Ralph D. K., Chicago, Ill. Ready-mixed paints, varnishes, and paint enamels. 203,491; renewed Sept. 22, 1945. O. G. July 3. Class 16.
Kent De Vaughn Eastin, Davenport, Iowa. Developed motion picture films. 414,978; July 3. Class 26.
King, Robert C., & Company, New York, N. Y. Infants' vests, pants and bands, children's and juveniles' vests, pants, suits, etc. 414,924; July 3; Serial No. 478,880; published Apr. 17, 1945. Class 39.
Lansdowne Distillery, The, Havre de Grace and Baltimore, Md. Whiskey, brandy, gin, and liqueur. 414,977; July 3. Class 49.
Latin-American Buyer's Guide Co., New York, N. Y. Quarterly publication printed in Spanish. 414,961; July 3. Class 38.
Lawrence Products Co., Attalla, Ala. Cotton rugs. 414,873; July 3; Serial No. 474,334; published Apr. 17, 1945. Class 42.
Lehigh Silk Hosiery Mills, Inc., New York, N. Y., assignor to Durham Hosiery Mills, Durham, N. C. Hosiery. 201,200; renewed July 21, 1945. O. G. July 3. Class 39.
Lever Brothers Company: *See*—
Gold Dust Corporation, assignor.
Mack Manufacturing Corporation: *See*—
International Motor Company, assignor.
Mackenzie, Frank S., Woodstock, Vt., to Bridgewater Woolen Company, Bridgewater, Vt., successor. Woolen fabrics. 46,121; re-renewed Sept. 5, 1945. O. G. July 3. Class 42.
Marco Importing Co., Chicago, Ill. Whiskey. 414,954; July 3. Class 49.
Mars, Incorporated, Chicago, Ill. Candy bars. 414,933; July 3; Serial No. 479,485; published Apr. 24, 1945. Class 46.
Model-Craft, Inc., Chicago, Ill. Toy molding and coloring sets. 414,965; July 3. Class 22.
Moderne Art Linens, New York, N. Y. Linens, household linens. 414,880; July 3; Serial No. 476,368; published Apr. 17, 1945. Class 42.
Moloney, Raymond T., Chicago, Ill. Electric lighting fixtures and parts thereof and therefor. 414,895; July 3; Serial No. 478,055; published Apr. 24, 1945. Class 21.
Moore Fabric Company, Pawtucket, R. I. Woven elastic fabric. 414,930; July 3; Serial No. 479,134; published Apr. 24, 1945. Class 42.
Moriarty, Frederick M., Providence, R. I. Bracelets not including watches. 414,894; July 3; Serial No. 478,011; published Apr. 24, 1945. Class 28.
Muralo Company, Inc., The, New Brighton N. Y. to The Muralo Company, Inc., Staten Island, N. Y. Wall finishing and decorating materials. 203,502; renewed Sept. 22, 1945. O. G. July 3. Class 16.
National Screw & Manufacturing Company, The, Cleveland, Ohio. Bolts, nuts, rivets, screws and clevis pins. 414,883–4; July 3; Serial Nos. 476,813–14; published Apr. 24, 1945. Class 13.
Nehi Corporation: *See*—
Chero-Cola Company, assignor.
New York Evening Post, Inc., assignor, by mesne assignments, to New York Post Corporation, New York, N. Y. Title of a newspaper publication. 197,214; renewed Apr. 14, 1945. O. G. July 3. Class 38.
New York Post Corporation: *See*—
New York Evening Post, Inc., assignor.
Norcross, New York, N. Y. Greeting cards, calendars, etc. 414,959; July 3. Class 38.
Nutone, Incorporated, Cincinnati, Ohio. Electric door chimes and parts thereof. 414,936; July 3. Class 21.
O'Hearn Manufacturing Company, Gardner, Mass. Platform rocker chairs. 414,936; July 3; Serial No. 479,690; published Apr. 24, 1945. Class 32.
Orbolene Company, The, St. Louis, Mo. Preparation for affections of the eye. 202,390; renewed Aug. 18, 1945. O. G. July 3. Class 6.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,911–13; July 3; Serial Nos. 478,642–4; published Apr. 24, 1945. Class 3.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,914; July 3; Serial No. 478,646; published Apr. 24, 1945. Class 3.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,915–7; July 3; Serial Nos. 478,648–50; published Apr. 24, 1945. Class 3.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,918–9; July 3; Serial Nos. 478,652–3; published Apr. 24, 1945. Class 3.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,920; July 3; Serial No. 478,655; published Apr. 24, 1945. Class 3.
Paris Company, The, Salt Lake City, Utah. Women's apparel. 414,926; July 3; Serial No. 478,929; published Apr. 24, 1945. Class 39.
Parker Pen Company, The, Janesville, Wis. Fountain pens. 414,963; July 3. Class 37.
Philadelphia Tapestry Mills, assignor to Artloom Corporation, Philadelphia, Pa. Upholstery textile fabrics. 46,717; re-renewed Oct. 3, 1945. O. G. July 3. Class 42.
Phillips-Jones Corporation, New York, N. Y. Men's and boys' shirts and pajamas. 414,876; July 3; Serial No. 474,507; published Apr. 24, 1945. Class 39.
Pilot Electric Mfg. Co., Inc., Brooklyn, N. Y., assignor, by mesne assignments, to Pilot Radio Corporation, Long Island City, N. Y. Condensers, jacks, plugs, etc. 202,872; renewed Sept. 8, 1945. O. G. July 3. Class 21.
Pilot Radio Corporation: *See*—
Pilot Electric Mfg. Co., Inc., assignor.
Placentia Orange Growers Association, Fullerton, Calif. Fresh citrous fruits. 202,695; renewed Sept. 1, 1945 O. G. July 3. Class 46.
Precision Castings Company, Inc., Syracuse and Fayetteville, N. Y., assignor to The Enterprise Manufacturing Company, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Metal alloy. 202,690; renewed Sept. 1, 1945. O. G. July 3. Class 14.
Pyramid Rubber Company, The: *See*—
Pyramid Rubber Specialty Company, The.
Pyramid Rubber Specialty Company, The, by change of name to The Pyramid Rubber Company, Ravenna, Ohio. Rubber nursing nipples, and surgeons' rubber gloves. 198,338; renewed May 12, 1945. O. G. July 3. Class 44.
Radio Receptor Company, Inc., New York, N. Y. Radio receiving equipment and parts thereof. 203,599; renewed Sept. 22, 1945. O. G. July 3. Class 21.
Respro Inc., Providence, to Respro Inc., Cranston, R. I. Adhesively integrated fibrous materials. 203,807; renewed Sept. 29, 1945. O. G. July 3. Class 50.
Respro Inc., Providence, to Respro, Inc., Cranston, R. I. Adhesively integrated fibrous material. 202,923; renewed Sept. 8, 1945. O. G. July 3. Class 50.

Reynolds Wire Co., Dixon, Ill. Wire screen cloth. 414,927–8; July 3; Serial Nos. 478,931–2; published Apr. 24, 1945. Class 13.
Riverside Metal Company, The: *See*—
Crescent Watch Case Co., The, assignor.
Rolley, James G., New York, N. Y. Games in which suitable discs are employed. 414,939; July 3; Serial No. 479,902; published Apr. 24, 1945. Class 22.
San Jose Paper Co., San Jose, Calif., assignor to Zellerbach Paper Company, San Francisco, Calif. Printing paper, writing paper, wrapping paper, etc. 201,341; renewed July 21, 1945. O. G. July 3. Class 37.
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Sanitary napkins. 414,865; July 3; Serial No. 468,163; published Apr. 24, 1945. Class 44.
Schleisner Co., Inc., Baltimore, Md. Hosiery. 414,932; July 3; Serial No. 479,254; published Apr. 24, 1945. Class 39.
Sherwood Brothers Incorporated, Baltimore, Md. Lubricating oils and greases. 197,004; renewed Apr. 7, 1945. O. G. July 3. Class 15.
Sifo Novelty Company: *See*—
Ford, Silas M., Jr.
Silent Hoist & Crane Co., Brooklyn, N. Y. Automotive hoist and cranes. 414,969; July 3. Class 23.
Sinclair Refining Company: *See*—
Waters Pierce Oil Company, assignor.
Smallman, I., & Sons, New York, N. Y., and Garfield, N. J. Billfolds, wallets, key cases, etc. 414,983; July 3. Class 3.
Southern Pacific Company, Anchorage, Ky., San Francisco, Calif., and New York, N. Y., to Southern Pacific Company, San Francisco, Calif. Booklets, circulars, pamphlets, and calendars. 198,426; renewed May 19, 1945. O. G. July 3. Class 38.
Spear, Clifton T., doing business as The Diamond Spear Co., Texarkana, Tex. Blow out and nail hole boots, hose and tire repair kits, and hot patches. 414,866; July 3; Serial No. 471,106; published Apr. 24, 1945. Class 35.
Specific Pharmaceuticals, Inc., New York, N. Y. Rectal suppository. 414,877; July 3; Serial No. 471,611; published Feb. 6, 1945. Class 6.
Spencerian Pen Company, The, New York, N. Y. Pens. 46,758; re-renewed Oct. 3, 1945. O. G. July 3. Class 37.
Stevens and Moffett Co., Jersey City, N. J. Whiskey. 414,947; July 3. Class 49.
Strouse, Adler & Co., assignor to The Strouse, Adler Company, New Haven, Conn. Corsets. 44,670; re-renewed July 18, 1945. O. G. July 3. Class 39.
Strouse, Adler & Co., assignor to The Strouse, Adler Company, New Haven, Conn. Corsets. 45,767; renewed Aug. 29, 1945. O. G. July 3. Class 39.
Strouse, Adler Company, The: *See*—
Strouse, Adler & Co., assignor.
Sturdy's, J. F., Sons Co., Attleboro Falls, Mass. Buckles, key rings, chain fasteners, etc. 203,602; renewed Sept. 22, 1945. O. G. July 3. Class 28.
Sunland Packing House Company, Porterville, Calif. Fresh citrous fruits. 203,811; renewed Sept. 29, 1945. O. G. July 3. Class 46.
Surrey Trading Corporation, New York, N. Y. Leather wallets, and billfolds. 414,953; July 3. Class 3.
Swank, Miss, New York, N. Y. Ladies' slips, pajamas, and nightgowns. 414,929; July 3; Serial No. 479,084; published Apr. 17, 1945. Class 39.
Thomas Candy Company: *See*—
Thomas, Jack O.
Thomas, Jack O., doing business as Thomas Candy Company, Denison, Tex. Candy. 414,941; July 3; Serial No. 480,354; published Apr. 24, 1945. Class 46.
Topp-Itt Products Company: *See*—
Crawford, Julma B.
Triangle Manufacturing Company: *See*—
Berkowitz, Joseph.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. 414,938; July 3; Serial No. 479,860; published Apr. 24, 1945. Class 2.
United Wallpaper, Inc., Chicago, Ill. Umbrellas. 414,901; July 3; Serial No. 478,368; published Apr. 24, 1945. Class 41.
Van Ameringen-Haebler, Inc., New York, N. Y. Imitation vanilla flavoring tablets, imitation maple flavoring tablets, etc. 414,950; July 3. Class 45.
Vogel, William D., doing business as American Lady Specialties Mfg. Co., St. Louis, Mo. Hair nets. 414,888–9; July 3; Serial Nos. 477,589–90; published Apr. 17, 1945. Class 39.
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Metallic welding, brazing, and soldering rods, etc. 414,971; July 3. Class 14.
Waters Pierce Oil Company, St. Louis, Mo., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Refined petroleum or coal-oil. 45,520; re-renewed Aug. 22, 1945. O. G. July 3. Class 15.
Waugh Equipment Company, New York, N. Y. Apparatus for inducing magnetic flux in objects. 414,890; July 3; Serial No. 477,636; published Apr. 24, 1945. Class 26.
Western Air Lines, Inc., Los Angeles, Calif. Airplanes. 414,864; July 3; Serial No. 468,092; published Apr. 24, 1945. Class 19.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Wall paint. 203,417; renewed Sept. 15, 1945. O. G. July 3. Class 16.
Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles and their structural parts. 414,862; July 3; Serial No. 466,387; published Apr. 24, 1945. Class 19.
Wilson Chemical Co., Chicago, Ill. Household cleaning fluid. 414,980; July 3. Class 4.
Wolverine Fabricating & Mfg. Co., Inc., Detroit, Mich. Sheet packing and gasket material. 414,925; July 3; Serial No. 478,917; published Apr. 24, 1945. Class 35.
X-Ring Products Co.: *See*—
Hale, William A.
Zellerbach Paper Company: *See*—
San Jose Paper Co., assignor.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Asphalt, pitch, coal tar, and crushed gypsum rock, Liquid. Certain-Teed Products Corporation. 198,015; renewed Apr. 28, 1945. O. G. July 3.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 414,938; July 3; Serial No. 479,860; published Apr. 24, 1945.
Cases and compacts, Unfilled vanity. Baltic Amber Co. 414,942; July 3; Serial No. 480,497; published Apr. 24, 1945.
Cases not made of precious metals for spectacles. Ace Leather Goods Co. 414,937; July 3; Serial No. 479,829; published Apr. 24, 1945.
Boxes and cartons, Foldable paperboard. Frankenberg Bros., Inc. 414,899–90; July 3; Serial No. 478,313–14; published Apr. 24, 1945.
Envelopes, Merchandise. Ivers-Lee Company. 414,868; July 3; Serial No. 471,560; published Apr. 24, 1945.

CLASS 3

Billfolds, wallets, key cases, etc. I. Smallman & Sons. 414,983; July 3.
Handbags. Garay & Company. 414,975; July 3.
Leather wallets, and billfolds. Surrey Trading Corporation. 414,953; July 3.
Luggage, Hand. Gladstone Case Mfg. Co., Inc. 414,902–7; July 3; Serial Nos. 478,617–22; published Apr. 24, 1945.
Luggage, Hand. Gladstone Case Mfg. Co., Inc. 414,908–9; July 3; Serial Nos. 478,624–5; published Apr. 24, 1945.
Luggage, Hand. Gladstone Case Mfg. Co., Inc. 414,910; July 3; Serial No. 478,627; published Apr. 24, 1945.
Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,911–13; July 3; Serial Nos. 478,642–4; published Apr. 24, 1945.
Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,914; July 3; Serial No. 478,646; published Apr. 24, 1945.
Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,915–17; July 3; Serial Nos. 478,648–50; published Apr. 24, 1945.
Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,918–19; July 3; Serial Nos. 478,652–3; published Apr. 24, 1945.
Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,920; July 3; Serial No. 478,655; published Apr. 24, 1945.

CLASS 4

Cleaning fluid, Household. Wilson Chemical Co. 414,980; July 3.
Washing powders. Gold Dust Corporation. 200,669; renewed July 7, 1945. O. G. July 3.

CLASS 5

Adhesives. Cordo Chemical Corporation. 414,934; July 3; Serial No. 479,554; published Apr. 24, 1945.

CLASS 6

Exterminator, Roach, ant, and water-bug. H. F. De Longe. 197,608; renewed Apr. 21, 1945. O. G. July 3.
Medicines used in the treatment of asthmatic affections. American Felsol Company. 199,780; renewed June 16, 1945. O. G. July 3.
Preparation for affections of the eye. Orbolene Company. 202,390; renewed Aug. 18, 1945. O. G. July 3.

Remedy for the treatment of diseases of the blood. Guardias Ointment Company, Inc. 196,498; renewed Mar. 17, 1945. O. G. July 3.
Suppository. Rectal. Specific Pharmaceuticals, Inc. 414,877; July 3; Serial No. 474,611; published Feb. 6, 1945.
Tablet for treating colds. A. T. Ezell. 197,845; renewed Apr. 28, 1945. O. G. July 3.

CLASS 8

Pipes and parts therefor. Smokers'. D. & P. Pipe Works. 414,972; July 3.

CLASS 10

Plaster, Land. Certain-Teed Products Corporation. 197,494; renewed Apr. 21, 1945. O. G. July 3.

CLASS 11

Inks of all kinds. Diagraph-Bradley Stencil Machine Corporation. 414,968; July 3.

CLASS 12

Cement, Refractory. Buckeye Products Company. 203,845; renewed Sept. 29, 1945. O. G. July 3.

CLASS 13

Bolts, nuts, rivets, screws and clevis pins. National Screw & Manufacturing Company. 414,883–4; July 3; Serial Nos. 476,813–14; published Apr. 24, 1945.
Hollowware, Base metal cooking. Enterprise Aluminum Company. 414,948; July 3.
Screen cloth, Wire. Reynolds Wire Co. 414,927–8; July 3; Serial Nos. 478,931–2; published Apr. 24, 1945.

CLASS 14

Alloy, Metal. Precision Castings Company, Inc. 202,690; renewed Sept. 1, 1945. O. G. July 3.
Iron and steel. Achorn Steel Company. 414,951; July 3.
Welding, brazing and soldering rods, etc., Metallic. R. D. Wasserman. 414,971; July 3.
Wires, strips, sheets, etc. Driver-Harris Company. 203,688; renewed Sept. 22, 1945. O. G. July 3.

CLASS 15

Petroleum or coal-oil, Refined. Waters Pierce Oil Company. 45,520; re-renewed Aug. 22, 1945. O. G. July 3.
Oils and greases, Lubricating. Sherwood Brothers Incorporated. 197,004; renewed Apr. 7, 1945. O. G. July 3.

CLASS 16

Liquids, bronze powders, paint enamels, etc., Bronzing. E. I. du Pont de Nemours and Company. 199,516; renewed June 9, 1945. O. G. July 3.
Paint, Wall. Geo. D. Wetherill & Co. 203,417; renewed Sept. 15, 1945. O. G. July 3.
Paints, colors in oil, and white lead, Ready-mixed. Duquesne Paint Company. 201,995; renewed Aug. 11, 1945. O. G. July 3.
Paints, varnishes, and paint enamels, Ready-mixed. R. D. Kelly. 203,491; renewed Sept. 22, 1945. O. G. July 3.
Wall finishing and decorating materials. Muralo Company, Inc. 203,502; renewed Sept. 22, 1945. O. G. July 3.

CLASS 19

Airplanes. Western Air Lines, Inc. 414,864; July 3; Serial No. 468,092; published Apr. 24, 1945.
Automobiles and their structural parts. Willys-Overland Motors, Inc. 414,862; July 3; Serial No. 466,387; published Apr. 24, 1945.
Trucks, Motor. International Motor Company. 202,629; renewed Sept. 1, 1945. O. G. July 3.
Wiper arms of the squeegee type. Hackett Automotive Accessories. 414,896; July 3; Serial No. 478,121; published Apr. 24, 1945.

CLASS 21

Chimes and parts thereof, Electric door. Nutone, Incorporated. 414,956; July 3.
Condensers, jacks, plugs, etc. Pilot Electric Mfg. Co., Inc. 202,872; renewed Sept. 8, 1945. O. G. July 3.
Light, Portable electric shop. Detroit Industrial Products Co. 414,892; July 3; Serial No. 477,799; published Apr. 24, 1945.
Lighting fixtures and parts thereof and therefor, Electric. R. T. Moloney. 414,895; July 3; Serial No. 478,055; published Apr. 24, 1945.
Radio receiving apparatus and parts thereof. Hoffman Radio Corporation. 414,952; July 3.
Radio receiving equipment and parts thereof. Radio Receptor Company, Inc. 203,599; renewed Sept. 22, 1945. O. G. July 3.

CLASS 22

Game for two players, Peg. Geldur Novelty Co. 414,940; July 3; Serial No. 480,234; published Apr. 24, 1945.
Games in which suitable discs are employed. J. G. Rolley. 414,939; July 3; Serial No. 479,902; published Apr. 24, 1945.
Games of chance played with concealed numbers. J. Berkowitz. 414,886; July 3; Serial No. 477,255; published Apr. 24, 1945.
Toy molding and coloring sets. Model-Craft, Inc. 414,965; July 3.
Toys and games. Silas M. Ford, Jr. 414,878; July 3; Serial No. 475,308; published Apr. 24, 1945.

CLASS 23

Bits, shanks, swing saws, etc., Saw. Corley Manufacturing Company. 414,967; July 3.
Clutch and reverse gear mechanism, hypoid and helical gears, etc., Engine. Higgins Industries, Inc. 414,869; July 3; Serial No. 472,147; published Apr. 24, 1945.
Heating and cooling apparatus, Liquid. Cherry-Burrell Corporation. 414,943; July 3.
Hoist and cranes, Automotive. Silent Hoist & Crane Co. 414,969; July 3.
Knives, Pocket. Imperial Knife Company, Inc. 414,861; July 3; Serial No. 466,303; published Apr. 24, 1945.
Machine tool control. Bullard Company. 414,870; July 3; Serial No. 472,762; published Apr. 24, 1945.
Machine tool control. Bullard Company. 414,872–3; July 3; Serial Nos. 473,722–3; published Apr. 24. 1945.
Pumps, hydraulic presses, hydraulic control valves, and other accessories, Hydraulic. Hydro-Power Systems, Incorporated. 414,945; July 3.
Saw mills, edgers, lumber trimmers, and saws. Corley Manufacturing Company. 414,966; July 3.
Screw-wrenches, Adjustable. Coes Wrench Co. 46,548; re-renewed Sept. 26, 1945. O. G. July 3.
Wrench, Magazine. E-Z-On Company. 414,885; July 3; Serial No. 477,102; published Apr. 24, 1945.

CLASS 26

Apparatus for inducing magnetic flux in objects. Waugh Equipment Company. 414,890; July 3; Serial No. 477,636; published Apr. 24, 1945.
Films, Developed motion picture. K. D. Eastin. 414,978; July 3.

CLASS 27

Clocks. E. Ingraham Company. 414,867; July 3; Serial No. 471,260; published Apr. 4, 1945.
Watches, watchcases, and watch-movements. Crescent Watch Case Co. 46,756; re-renewed Oct. 3, 1945. O. G. July 3.
Watches, watch movements and watch cases. Helbros Watch Company, Inc. 414,881; July 3; Serial No. 476,389; published Apr. 24, 1945.

CLASS 28

Bracelets not including watches. F. M. Moriarty. 414,894; July 3; Serial No. 478,011; published Apr. 24, 1945.
Buckles, key rings, chain fasteners, etc. J. F. Sturdy's Sons Co. 203,602; renewed Sept. 22, 1945. O. G. July 3.

CLASS 32

Chairs, Platform rocker. O'Hearn Manufacturing Company. 414,936; July 3; Serial No. 479,690; published Apr. 24, 1945.
Mattresses. Hartford Mattress Co. Inc. 414,882; July 3; Serial No. 476,764; published Apr. 24, 1945.

CLASS 34

Crucibles and furnace covers. Joseph Dixon Crucible Company. 414,871; July 3; Serial No. 472,805; published Apr. 24, 1945.
Oil burners. W. A. Hale. 414,935; July 3; Serial No. 479,678; published Apr. 17, 1945.

CLASS 35

Boots, hose and tire repair kits, and hot patches, Blow out and nail hole. C. T. Spear. 414,866; July 3; Serial No. 471,106; published Apr. 24, 1945.
Packing and gasket material, sheet. Wolverine Fabricating & Mfg. Co., Inc. 414,925; July 3; Serial No. 478,917; published Apr. 24, 1945.

CLASS 37

Paper and envelopes, Writing. American Art Service. 414,946; July 3.
Paper, Bond. Buxton & Skinner Printing and Stationery Company. 414,979; July 3.
Paper, writing paper, wrapping paper, etc., Printing. San Jose Paper Co. 201,341; renewed July 21, 1945. O. G. July 3.
Pens. Spencerian Pen Company. 46,758; re-renewed Oct. 3, 1945. O. G. July 3.
Pens, Fountain. Parker Pen Company. 414,963; July 3.
Writing-paper and envelops. Z. & W. M. Crane. 46,738; re-renewed Oct. 3, 1945. O. G. July 3.

CLASS 38

Booklets, circulars, pamphlets, and calendars. Southern Pacific Company. 198,426; renewed May 19, 1945. O. G. July 3.
Cards, calendars, etc., Greeting. Norcross. 414,959; July 3.
Directory of products, Annual. Haire Publishing Company. 414,976; July 3.
Magazine. Everybody's Vacation Publishing Co. Inc. 414,944; July 3.

Publication, Periodical. Industrial Medicine Publishing Company. 414,960; July 3.
Publication printed in Spanish, Quarterly. Latin-American Buyer's Guide Co. 414,961; July 3.
Title of a newspaper publication. New York Evening Post, Inc. 197,214; renewed Apr. 14, 1945. O. G. July 3

CLASS 39

Apparel, Women's. Paris Company. 414,926; July 3; Serial No. 478,929; published Apr. 24, 1945.
Coats and men's overcoats, Men's sack. Fashion Park, Inc. 414,990; July 3.
Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 414,987; July 3.
Coats, vests, pants, etc. Fashion Park, Inc. 414,989; July 3.
Corsets. Strouse, Adler & Co. 44,670; re-renewed July 18, 1945. O. G. July 3.
Corsets. Strouse, Adler & Co. 45,767; re-renewed Aug. 29, 1945. O. G. July 3.
Covers, Water-proof hat. J. B. Crawford. 414,887; July 3; Serial No. 477,546; published Apr. 17, 1945.
Dresses, Women's and misses'. Betty Briggs, Inc. 414,949; July 3.
Hats and caps. Dunlap & Co. 46,602; re-renewed Sept. 26, 1945. O. G. July 3.
Hosiery. B-Z-Z Knitting Co. 414,893; July 3; Serial No. 477,911; published Apr. 24, 1945.
Hosiery. Lehigh Silk Hosiery Mills, Inc. 201,200; renewed July 21, 1945. O. G. July 3.
Hosiery. Schleisner Co., Inc. 414,932; July 3; Serial No. 479,254; published Apr. 24, 1945.
Nets, Hair. W. D. Vogel. 414,888–9; July 3; Serial Nos. 477,589–90; published Apr. 17, 1945.
Overalls. Eloesser-Heynemann Company. 200,660; renewed July 7, 1945. O. G. July 3.
Shirts and pajamas, Men's and boys'. Phillips-Jones Corporation. 414,876; July 3; Serial No. 474,507; published Apr. 24, 1945.
Shirts, Outer. Henlein Brothers Co., Ltd. 414,897–8; July 3; Serial Nos. 478,278–9; published Apr. 17, 1945.
Shirts, slacks, ensemble suits, etc., Men's and boys' sport and dress. David D. Doniger & Co., Inc. 414,931; July 3; Serial No. 479,170; published Apr. 24, 1945.
Slips, pajamas, and nightgowns, Ladies' Miss Swank. 414,929; July 3; Serial No. 479,084; published Apr. 17, 1945.
Suits, coats, pants, and vests, Men's. Fashion Park, Inc. 314,988; July 3.
Suits, Men's. S. Ginsberg Sons. 414,879; July 3; Serial No. 475,390; published Apr. 17, 1945.
Vests, pants and bands, children's and juveniles' vests, pants, suits, etc., Infants'. Robert C. King & Company. 414,924; July 3; Serial No. 478,880; published Apr. 17, 1945.

CLASS 41

Umbrellas. United Wallpaper, Inc. 414,901; July 3; Serial No. 478,368; published Apr. 24, 1945.

CLASS 42

Cotton piece goods. B. V. D. Corporation. 414,863; July 3; Serial No. 466,969; published Apr. 17, 1945.
Fabric, Woven elastic. Moore Fabric Company. 414,930; July 3; Serial No. 479,134; published Apr. 24, 1945.
Fabrics, Coated Cotton. Arnel Company, Inc. 414,922; July 3; Serial No. 478,846; published Apr. 17, 1945.
Linens, household linens. Moderne Art Linens. 414,880; July 3; Serial No. 476,368; published Apr. 17, 1945.
Rugs and carpets. Floor Coverings Co. 414,923; July 3; Serial No. 478,864; published Apr. 17, 1945.
Rugs, Cotton. Lawrence Products Co. 414,875; July 3; Serial No. 474,334; published Apr. 17, 1945.
Rugs, Scatter. J and C Bedspread Company. 414,891; July 3; Serial No. 477,703; published Apr. 17, 1945.
Upholstery textile fabrics. Philadelphia Tapestry Mills. 46,717; re-renewed Oct. 3, 1945. O. G. July 3.
Woolen fabrics. F. S. Mackenzie. 46,121; re-renewed Sept. 5, 1945. O. G. July 3.

CLASS 44

Napkins, Sanitary. San-Nap-Pak Mfg. Co., Inc. 414,865; July 3; Serial No. 468,163; published Apr. 24, 1945.
Nipples and surgeons' rubber gloves, Rubber nursing. Pyramid Rubber Specialty Company. 198,338; renewed May 12, 1945. O. G. July 3.

CLASS 45

Beverage and sirup for making the same, Nonintoxicating, maltless. Chero-Cola Company. 198,552; renewed May 19, 1945. O. G. July 3.
Syrup, Chocolate flavored. General Desserts Corporation. 414,970; July 3.
Tablets, imitation maple flavoring tablets, etc., Imitation vanilla flavoring. Van Amerigen-Haebler, Inc. 414,950; July 3.

CLASS 46

Baked goods. Brick Oven Bakers, Inc. 414,962; July 3.
Baked goods. Brick Oven Bakers, Inc. 414,964; July 3.
Barley, Pearl. L. Gordon. 414,981; July 3.
Candy. Bunte Brothers. 200,962; renewed July 14, 1945. O. G. July 3.
Candy. J. O. Thomas. 414,941; July 3; Serial No. 480,354; published Apr. 24, 1945.
Candy. Robert A. Johnston Company. 199,623; renewed June 16, 1945. O. G. July 3.
Candy bars. Mars, Incorporated. 414,933; July 3; Serial No. 479,485; published Apr. 24, 1945.
Candies. Beech-Nut Packing Company. 203,060; renewed Sept. 8, 1945. O. G. July 3.
Canned fruits and canned vegetables. H. C. Baxter. 46,546; re-renewed Sept. 26, 1945. O. G. July 3.
Canned fruits and canned vegetables. H. C. Baxter & Bro. 46,545; re-renewed Sept. 26, 1945. O. G. July 3.
Canned vegetables. Iowa Canning Company. 202,446; renewed Aug. 25, 1945. O. G. July 3.
Corn meal. Birdsey Flour Mills. 414,974; July 3.
Feed, dairy feed, and laying mash, Hog. Birdsey Flour Mills. 414,973; July 3.
Feeds for animals and poultry. Fernando Valley Milling & Supply Co. 414,984–5; July 3.
Fruits, Fresh citrous. Placentia Orange Growers Association. 202,695; renewed Sept. 1, 1945. O. G. July 3.
Fruits, Fresh citrous. Sunland Packing House Company. 203,811; renewed Sept. 29, 1945. O. G. July 3.
Fruits, Fresh citrus. Anaheim Co-Operative Orange Association. 204,886–7; renewed Sept. 29, 1945. O. G. July 3.
Fruits, Fresh deciduous. Associated Produce Packers. 414,982; July 3.
Juice and cider vinegar; Apple. N. C. Demler. 414,986; July 3.
Oranges, Fresh. F. A. Hill. 414,921; July 3; Serial No. 478,751; published Apr. 24, 1945.
Powder concentrate for making maple flavored table syrup. Jel Sert Company. 414,955; July 3.

CLASS 48

Beer. Griesedieck Western Brewery Company. 414,957; July 3.

CLASS 49

Brandy. Distilled Liquors Import Co. Inc. 414,958; July 3.
Whiskey. Marco Importing Co. 414,954; July 3.
Whiskey. Stevens and Moffett Co. 414,947; July 3.
Whiskey, brandy, gin, and liqueur. Lansdowne Distillery. 414,977; July 3.

CLASS 50

Fibrous material, Adhesively integrated. Respro Inc. 202,923; renewed Sept. 8, 1945. O. G. July 3.
Fibrous materials, Adhesively integrated. Respro Inc. 203,807; renewed Sept. 29, 1945. O. G. July 3.
Kits, Cosmetic. R. Hudnut. 414,874; July 3; Serial No. 473,946; published Apr. 24, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Garraway, George C., Rutherford, N. J. Photographic developing machine. Re. 22,654; July 3.

Szogren, Walter O., Worcester, Mass. Cylinder covering mechanism. Re. 22,655; July 3.

LIST OF DESIGN PATENTEES

Aard Company: *See*—
Fretz, Edward T., assignor.

Anderson, Harold R., Chelmsford, Mass. Ski sock. 141,773; July 3.

Anderson, Norman, Duluth, Minn. Router. 141,729; July. 3.

Baur, John W., assignor to Binks Manufacturing Company, Chicago, Ill. Dusting gun or the like. 141,730; July 3.

Belz, Sam, Memphis, Tenn. Chair. 141,774; July 3.

Benoit, Leon, assignor to Egg-Safety Carton Corporation, New York, N. Y. Carton for edibles. 141,793; July 3.

Benoit, Leon, assignor to Egg-Safety Carton Corporation, New York, N. Y. Carton for edibles. 141,794; July 3.

Binks Manufacturing Company: *See*—
Baur, John W., assignor.

Bloom, Alvin D., Los Angeles, Calif., assignor of one-half to Hollywood Gift and Novelty Co. Inc. Pea shooter. 141,748; July 3.

Bock, Vera, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass. Envelope blank. 141,731; July 3.

Bock, Vera, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass. Envelope blank. 141,732; July 3.

Boll, Lawrence C., Minneapolis, Minn. Toy figure. 141,795; July 3.

Brand, Arthur, New York, N. Y. Jewelry pin. 141,796; July 3.

Brown, Gordon H., assignor to M. S. Brown, Detroit, Mich. Kettle. 141,749; July 3.

Brown, Marian S.: *See*—
Brown, Gordon H., assignor.

Browne, Donald R.: *See*—
Combs, Charles S., assignor.

Brunswick-Balke-Collender Company, The: *See*—
Podjus, Harry H., assignor.

Buckingham, John D., assignor to Lucien Le Long, Inc., Chicago, Ill. Perfume bottle or similar article. 141,775; July 3.

Bundock, Harold L., Santa Rosa, Calif. Game board. 141,733; July 3.

Coates, Jacob L., Greensburg, Kans. Display rack or similar article. 141,750; July 3.

Collins, Richard E., assignor of one-half to C. E. Stenicka, Jr., Omaha, Nebr. Game board. 141,734; July 3.

Combs, Charles S., Irondequoit, assignor of one-half to D. R. Browne, Rochester, N. Y. Cigarette rolling machine. 141,751; July 3.

Coogler, Frank, Washington, D. C., and J. C. Coogler, Houston, Tex. Clothes clip. 141,735; July 3.

Coogler, John C.: *See*—
Coogler, Frank and J. C.

Coss, George R., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner hose coupling or similar article. 141,801; July 3.

Cramer, Jessie A., Muncie, Ind. Toy dog. 141,752; July 3.

Dann, Charles W., Orange, and L. Z. La Forest, Parsippany-Troy Hills Township, Norris County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Disk dictating machine. 141,776; July 3.

De Lisle, Harold L., a trust: *See*—
O'Donnell, Todd.

Dreyfuss, Henry, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Weighing scale 141,798; July 3.

Du Bois, Joseph E., Snyder, N. Y. Wrist watch strap. 141,753; July 3.

Edison, Thomas A., Incorporated: *See*—
Dann, C. W., and La Forest, assignors.

Egg-Safety Carton Corporation: *See*—
Benoit, Leon, assignor.

Engineering Manufacturing Company: *See*—
O'Donnell, Todd, assignor.

Erznoznik, Frank, Pontiac, Mich. Game board. 141,754; July 3.

Esmco Auto Products Corp.: *See*—
Greene, David, assignor.

Espey Manufacturing Company, Inc.: *See*—
Terrell, Horace, assignor.

Eureka Vacuum Cleaner Company: *See*—
Coss, George R., assignor.
Wittke, Kurt H., assignor.

Fairbanks, Morse & Co.: *See*—
Dreyfuss, Henry, assignor.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to W. J. Tilley, Bristol, Va. Brassière. 141,777; July 3.

Frascino, Mario, New York, N. Y. Coat. 141,755; July 3.

Frascino, Mario, New York, N. Y. Coat. 141,756; July 3.

French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Transport vehicle. 141,736; July 3.

Fretz, Edward T., Sherman Oaks, assignor to Aard Company, Los Angeles, Calif. Baby rattle. 141,757; July 3.

Friedman, Philip, New York, N. Y. Man's shorts. 141,778; July 3.

Gamblim, Fred L., Dora, Ala. Game board. 141,759; July 3.

Garfinkle, Jerome, assignor to Youthform Dress Inc., New York, N. Y. Dress. 141,758; July 3.

Gelinas, Ralph J., Cohasset, Mass., assignor to United-Rexall Drug Company. Card display box. 141,760; July 3.

Gelinas, Ralph J., Cohasset, Mass., assignor to United-Rexall Drug Company. Card display cabinet. 141,761; July 3.

Gilbert, Samuel, and G. Lerner, Los Angeles, Calif. Toy wagon. 141,737; July 3.

Glastal, Benjamin, New York, N. Y. Tieclasp. 141,738; July 3.

Glastal, Benjamin, New York, N. Y. Tieclasp. 141,739; July 3.

Graham, Elizabeth N., New York, N. Y. Jar or similar article. 141,762; July 3.

Greene, David, assignor to Esmco Auto Products Corp. Brooklyn, N. Y. Towel rack. 141,779; July 3.

Greene, David, assignor to Esmco Auto Products Corp. Brooklyn, N. Y. Towel rack. 141,780; July 3.

Heil Co., The: *See*—
French, Henry C., assignor.

Hockery, John C., et al.: *See*—
Majewski, J. M., Jr., and Talge, assignors.

Hollywood Gift and Novelty Co. Inc.: *See*—
Bloom, Alvin D., assignor.

Hopfenberg, Irving J., Providence, R. I. Collar holder. 141,763; July 3.

Johnson, William B., Easley, S. C. Closure cap. 141,764; July 3.

Jones, Theodore C., Louisville, Ky. Electrolytic water purifier. 141,765; July 3.

Karlin, Samuel A., Chicago, Ill. Inlay puzzle plaque. 141,740; July 3.

Karp, Jack, Brooklyn, N. Y. Shoe protector. 141,741; July 3.

Keene, Lillian N., Libertyville, Ill. Display box for holding an electric shaver or similar article. 141,766; July 3.

Kincses, Maria, Cleveland, Ohio. Headdress. 141,781; July 3.

La Forest, Louis Z.: *See*—
Cann, C. W., and La Forest.

LeLong, Lucien, Inc.: *See*—
Buckingham, John D., assignor.

Lerman, Abraham P., Chicago, Ill. Novelty wall plaque. 141,767; July 3.

Lerner, George: *See*—
Gilbert, S., and Lerner.

Lowenstein, Julianne F., University City, Mo. Clown doll. 141,797; July 3.

Majewski, Joseph H., Jr., and H. J. Talge, assignors to J. C. Hockery, and F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 141,782; July 3.

Majewski, Joseph M., Jr., and H. J. Talge, assignors to J. C. Hockery, and F. L. and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Ice crusher. 141,783; July 3.
Mirsky, Sara, New York, N. Y. Dickey. 141,784; July 3.
Neal, Harry E., Columbus, Ohio. Highway marker. 141,768; July 3.
Negbaur, Harry, New York, N. Y. Pocket lighter or the like. 141,785; July 3.
Newsome, Howard P. G., New Orleans, La. Golf club head. 141,769; July 3.
O'Donnell, Todd, Chicago, Ill., assignor to Estate of Harold L. De Lisle, a trust, doing business as Engineering Manufacturing Company, Sheboygan, Wis. Statuette. 141,799; July 3.
Paden, Frederick T., U. S. Army, Collingswood, N. J. Costumer. 141,786; July 3.
Podjus, Harry H., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling ball carrier or the like. 141,742; July 3.
Proctor, Robert, Jr., Los Angeles, Calif. Pin. 141,787; July 3.
Quam, James P., Chicago, Ill. Citrus-fruit juicer. 141,788; July 3.
Quinn, William C., Reading, Mass. Toilet soap receptacle or similar article. 141,789; July 3.
Rainess, Alice, New York, N. Y. Headdress. 141,800; July 3.
Rival Manufacturing Company et al.: *See*—
Majewski, J. M., Jr., and Talge, assignors.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Pair of semirimless spectacles. 141,743; July 3.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Pair of semirimless spectacles. 141,744; July 3.
Sacoder, Martin, New York, N. Y. Jewelry rack. 141,790; July 3.
Seng, Gerald W.: *See*—
Wood, Charles J., assignor.
Shuron Optical Company, Inc.: *See*—
Rohrbach, John J., assignor.
Sices, Harry, Cedarhurst, N. Y. Jacket or similar article. 141,770; July 3.
Siegel, Fred, New York, N. Y. Bracelet display stand. 141,791; July 3.
Smith, William, Detroit, Mich. Animal figure toy. 141,771; July 3.
Smith, William, New York, N. Y. Toy roller. 141,745; July 3.
Stenicka, Charles E., Jr.: *See*—
Collins, Richard E., assignor.
Terrell, Horace, assignor to Espey Manufacturing Company, Inc., New York, N. Y. Radio receiver cabinet. 141,792; July 3.
Talge, Foster L., et al.: *See*—
Majewski, J. M., Jr., and Talge, assignors.
Talge, Henry J.: *See*—
Majewski, J. M., Jr., and Talge.
Tilley, William J.: *See*—
Ferguson, Robert O., assignor.
United-Rexall Drug Company: *See*—
Gelinas, Ralph J., assignor.
United States Envelope Company: *See*—
Bock, Vera, assignor.
Weksler, Harry, assignor to Weksler Thermometer Corporation, New York, N. Y. Thermometer case. 141,746; July 3.
Weksler Thermometer Corporation: *See*—
Weksler, Harry, assignor.
Winter, Arthur, Weehawken, N. J. Nib section for a fountain pen or similar article. 141,747; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner dusting brush or similar article. 141,802; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner nozzle or similar article. 141,803; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner nozzle or similar article. 141,804; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner nozzle or similar article. 141,805; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Sprayer or similar article. 141,806; July 3.
Wittke, Kurt H., Berkeley, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Suction cleaner brush or similar article. 141,807; July 3.
Wood, Charles J., La Porte, Ind., assignor of one-half to G. W. Seng. Toy fire engine. 141,772; July 3.
Youthform Dress Inc.: *See*—
Garfinkle, Jerome, assignor.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbe, Kenneth P., Longmeadow, Mass. Making aluminum forgings. 2,379,466; July 3.
Abbe, Kenneth P., Longmeadow, Mass. Making aluminum forgings. 2,379,467; July 3.
Abell, Frank, Inglewood, Calif. Vehicle speed recording apparatus. 2,379,404; July 3.
Abrams, John M., Brooklyn, N. Y. Hole cutter for sheet material. 2,379,618; July 3.
Adams, Frederic H.: *See*—
Conn, R. C., Adams, and Goulding.
Adams, Pierrepont: *See*—
Swain, R. C., and Adams.
Adel Precision Products Corp.: *See*—
Ellinwood, Herman R., assignor.
Plumb, George W., assignor.
Agriculture, of the United States of America, Claude R. Wickard, as Secretary of, and his successors in office: *See*—
Goldthwait, Charles F., assignor.
Orchin, M., and Butz, assignors.
Smith, Wiley C., assignor.
Air Preheater Corporation, The: *See*—
Yerrick, W. D., and Vickland, assignors.
Aircraft-Marine Products, Inc.: *See*—
Buchanan, Stephen N., assignor.
Aktiebolaget Formator: *See*—
Granstedt, Karl E., assignor.
Albert Specialty Company: *See*—
Swartz, A. G., and Moore, assignors.
Allen Property Custodian: *See*—
Bergès, Andre.
Borsakovsky, Voldemar.
Campfens, C. J., and Dalstra.
Nebel, Max.
Worm, Oscar.
Allen, Joseph W., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Fire director. 2,379,778; July 3.
Allied Chemical & Dye Corporation: *See*—
Maguire, J. B., and Gould, assignors.
Aluminum Company of America: *See*—
Butler, Edward H., assignor.
Alvis, Charles B., Richmond, Va. Centering tool. 2,379,406; July 3.
American Arch Company: *See*—
Siegel, Chester A., assignor.
American Cyanamid Company: *See*—
Bradley, Theodore F., assignor.
Conn, R. C., Adams, and Goulding, assignors.
Hill, A. J., and Degnan, assignors.
Hultquist, Martin E., assignor.
Lecher, H. Z., Goulding, and Parker, assignors.
Lynch, K. L., and West, assignors.
Swain, R. C., and Adams, assignors.
American Dairies, Inc., et al.: *See*—
Turner, C. W., and Reineke, assignors.
American Steel Foundries: *See*—
Cottrell, Robert B., assignor.
American Telephone and Telegraph Company: *See*—
Rhoads, Charles S., assignor.
American Well Works, The: *See*—
Sperry, John B., assignor.
Walker, James D., assignor.
Anderson, Robert G., Doylestown, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 2,379,847; July 3.
Angell, Elvin D., assignor to Overland Candy Corporation, Chicago, Ill. Packaging machine. 2,379,407; July 3.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 2,379,405; July 3.
Arnold, Jane A., Salt Lake City, Utah. Globe. 2,379,468; July 3.
Arrow-Hart & Hegeman Electric Co., The: *See*—
Johnson, David W., assignor.
Arveson, Maurice H., Glossmoor, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,379,408; July 3.
Ash, Roy C., Newtown, Geelong, Victoria, Australia, assignor to International Harvester Company. Stump-jump mechanism for agricultural implements. 2,379,779; July 3.
Assets Realization Co.: *See*—
Steiner, L., and Settecasi, assignors.
Atti, Raphael, Cliffside Park, N. J. Mold cutting machine and the like. 2,379,419; July 3.
Autogiro Company of America: *See*—
Anderson, Robert G., assignor.
B. B. Chemical Co.: *See*—
Teppema, J., and Manning, assignors.
Bacon, Reginald G. R., and W. J. R. Evans, Manchester, England, assignors to Imperial Chemical Industries Limited. Chlorinating polymeric materials. 2,379,409; July 3.
Bagan, John P., Portland, assignor of one-third to A. R. Wanezek, Marshfield, Oreg. Spiral tiller. 2,379,469; July 3.
Baird, Albert W., Cranford, N. J., assignor to The Linde Air Products Company. Electric welding apparatus. 2,379,470; July 3.
Baker & Company, Inc.: *See*—
Keitel, Christian W., assignor.
Baker, Earl L., Washington, D. C. Wringer. 2,379,619; July 3.
Banks, George B., Chelmsford, assignor to Marconi's Wireless Telegraph Co., Ltd., London, England. Superregenerative radio receiver. 2,379,673; July 3.
Bannerot, R. A., Martinez, A. H. Boultbee, Long Beach, and B. S. Greensfelder, assignors to Shell Development Company, San Francisco, Calif. Catalytic production of hydrogenated polymers. 2,379,410; July 3.
Barnes, Allen L., Melrose Park, Ill. Phonograph record repeater. 2,379,560; July 3.
Barron, Joseph M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Combination catalytic and thermal cracking. 2,379,471; July 3.
Barrow, John T.: *See*—
Carter, L., and Barrow.
Bassett, Merton O.: *See*—
Sweet, A. L., and Bassett.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,379,674; July 3.
Baxter, James G., and C. D. Robeson, assignors to Distillation Products, Inc., Rochester, N. Y. Preparation of tocopherols. 2,379,420; July 3.
Beau-T-Form Foundations, Inc.: *See*—
Sutter, Edward R., assignor.
Bee Bee Shoe Company: *See*—
Cohen, Harold W., assignor.
Bell Telephone Laboratories, Incorporated: *See*—
Edson, William A., assignor.
Hubbard, Francis A., assignor.
Mason, Warren P., assignor.
Pfleger, Kenneth W., assignor.
Ricker, Ralph H., assignor.
Van Wynen, Kenneth G., assignor.
Bendix Aviation Corporation: *See*—
Allen, Joseph W., assignor.
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Increasing the effective permeability of porous formations. 2,379,561; July 3.
Bennett, William O., Jr., Lancaster Township, and E. W. Drescher, Manheim Township, Lancaster County, assignors to Hamilton Watch Company, Lancaster, Pa. Hairspring mounting. 2,379,780; July 3.
Bergès, André, Lorp Par Saint Lizier, Arriege, France; vested in the Alien Property Custodian. Method and apparatus for purifying paper pulp. 2,379,411; July 3.
Berninger, Kenneth L.: *See*—
MacNeil, C. S. J., Haines, Martin, and Berninger.
Bernstein, Paul, Roanoke, Va. Railway mail delivery device. 2,379,412; July 3.
Biebel, Herman M., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,379,675; July 3.
Blackstone, Selwyn R., Madison, Wis. Fishing float. 2,379,676; July 3.
Blaydes, Frederick T., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,379,781; July 3.
Bobb, Lloyd J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Phonograph pickup. 2,379,782; July 3.
Boles, Orlow W., Wethersfield, and H. O. Taylor, assignors to The Hartford Rayon Corporation, Rocky Hill, Conn. Production of a hollow textile material. 2,379,783; July 3.
Borg-Warner Corporation: *See*—
Stuhlman, Frank A., assignor.
Borsakovsky, Voldemar, Saint-Julien par Sennecey le Grand (Saône-et-Loire), France; vested in the Alien Property Custodian. Milling grain. 2,379,677; July 3.
Boultbee, Arthur H.: *See*—
Bannerot, R. A., Boultbee, and Greensfelder.
Bowles, Albert F., and H. M. Lipsius, Philadelphia, Pa. Mercury vapor discharge device. 2,379,620; July 3.
Bowman, Edward J., Anaconda, Mont. Separable connection for rock drills and like structures. 2,379,472; July 3.
Boxley, Joseph H., Richmond, Va. Nursing bottle. 2,379,562; July 3.

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Amides of high molecular weight carboxylic acids. 2,379,413; July 3.

Bramson, Maurice, Brooklyn, N. Y. Closure for steam sterilizers. 2,379,473; July 3.

Bramson, Maurice, Brooklyn, N. Y. Heating cabinet, incubator, and the like. 2,379,474; July 3.

Brand, Samuel, Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Gun. 2,379,784; July 3.

Brassert, Herman A.: *See*—
Cape, A. T., Brassert, and Thomas.

Brennom, Elmo F.: *See*—
Eenigenburg, Robley E., assignor.

Briggs & Stratton Corporation: *See*—
Fitz Gerald, John W., assignor.
Jacobi, Edward N., assignor.

Briskman, Samuel: *See*—
Weidauer, C., and Doehm, assignors.

Brittain, Eric H.: *See*—
Staudinger, H. P., Tuerck, and Brittain.

Brooke, Lloyd A., Washington, D. C. Fountain pen. 2,379,421; July 3.

Brown, Rodney G., Freehold, and R. R. Roberts, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing pigments. 2,379,678; July 3.

Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,379,567; July 3.

Budd Wheel Company: *See*—
Strickland, Harold A., Jr., assignor.

Bugg, Kenly C., Fort Wayne, Ind. Liquid dispensing apparatus. 2,379,785; July 3.

Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind., said Hart assignor to said Bugg. Fastener. 2,379,786; July 3.

Buquor, Adolph P., Washington, D. C., assignor to Martin-Parry Corporation, York, Pa. Trail shoe assembly. 2,379,621; July 3.

Burdick, Ralph V., assignor of one-half to R. V. Burdick, Junior, Loudonville, N. Y. Box. 2,379,680; July 3.

Burdick, Ralph V., Junior: *See*—
Burdick, Ralph V., assignor.

Burdick, Ralph V., Loudonville, N. Y. Box. 2,379,679; July 3.

Busignies, Henri G., Forest Hills, N. Y., and A. G. Richardson, Boonton, N. J., assignors to Federal Telephone and Radio Corporation. Goniometer construction. 2,379,422; July 3.

Butler, Edward H., West Lafayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Article handling device. 2,379,622; July 3.

Butler Manufacturing Company: *See*—
Damme, W. O., and Gabler, assignors.

Butz, Lewis W.: *See*—
Orchin, Milton, and Butz.

Buxton, Incorporated: *See*—
Buxton, Warner R., assignor.

Buxton, Mabel A., executrix: *See*—
Buxton, Warner R.

Buxton, Warner R., deceased, by M. A. Buxton, executrix, Longmeadow, Mass., assignor to Buxton, Incorporated. Flexible pocket receptacle. 2,379,672; July 3.

Campbell, Alvin R., San Mateo, Calif. Hatch cover construction. 2,379,623; July 3.

Campfens, Cornelis J., and H. Dalstra, Middelharnis, Netherlands; vested in the Alien Property Custodian. Device for expelling the contents of collapsible tubes. 2,379,475; July 3.

Cape, Arthur T., Santa Cruz, Calif., H. A. Brassert, Washington, Conn., and L. H. Thomas, Columbus, Ohio. Reduction of iron ores and enhancement of gases. 2,379,423; July 3.

Carborundum Company, The: *See*—
Scutt, Arthur G., assignor.

Carlson, Harry E.: *See*—
Loveridge, G. T., and Carlson, assignors.

Carter Carburetor Corporation: *See*—
Ericson, George R., assignor.

Carter, Lavoy, Houston, and J. T. Barrow, San Antonio, Tex.; said Carter assignor to said Barrow. Apparatus for refining crude petroleum. 2,379,563; July 3.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of unsaturated halogen-containing compounds. 2,379,414; July 3.

Caterpillar Tractor Co.: *See*—
Eberhard, H. S., and Lewis, assignors.

Celanese Corporation of America: *See*—
Smith, Harry E., assignor.

Charbonneaux, Wilson A., Burlington, Iowa. Alternating current control or regulating apparatus. 2,379,415; July 3.

Chauvet, Albert L., Piedmont, Calif. Controlled beam headlight lens. 2,379,787; July 3.

Chisnell, John B., assignor to The Sun Rubber Company, Barberton, Ohio. Finger guard. 2,379,624; July 3.

Cities Service Oil Company: *See*—
Morgan, John D., assignor.
Morgan, J. D., and Lowe, assignors.

Clark, James L., New York, N. Y. Sleeping bag. 2,379,416; July 3.

Clark, Kendall, South Bend, Ind. Ironing machine. 2,379,788; July 3.

Clarke, Albert E.: *See*—
Eve, F. H., and Clarke.

Clearing Machine Corporation: *See*—
Wacker, George W., assignor.

Cleveland, Willie O., Jr., Louisville, Ky. Mop pail. 2,379,476; July 3.

Clinkscale, Roy W., Vallejo, Calif., and W. McL. Hague and E. W. Sylvester, U. S. Navy. Cable connector. 2,379,424; July 3.

Coes, Loring, Jr., Brookfield, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of methacrylic acid. 2,379,625; July 3.

Cohen, Harold W., assignor to Bee Bee Shoe Company, Manchester, N. H. Footwear. 2,379,681; July 3.

Cole, Edward J., Peekskill, assignor to Cole Machinery Mfg. Corp., New York, N. Y. Apparatus for feeding and orienting crowned nut or article blanks. 2,379,564; July 3.

Cole Machinery Mfg. Corp.: *See*—
Cole, Edward J., assignor.

Colucci, Giovanni, Harbor Island, and J. Colucci, Jr., Wilmington, N. C. Machine for cutting veneer. 2,379,682; July 3.

Colucci, John, Jr.: *See*—
Colucci, Giovanni and J.

Combustion Engineering Company, Inc.: *See*—
Kruger, Theodore, assignor.

Cones, Ben, Indianapolis, Ind. Air motor. 2,379,683; July 3.

Conn, Robert C., and F. H. Adams, Bound Brook, and J. P. Goulding, Neshanic Station, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyestuff derivatives of aminobenzo-p-dioxans. 2,379,684; July 3.

Conrad, Albert G., Mount Carmel, assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Electrical remote-reading position-indicating apparatus. 2,379,417; July 3.

Continental Oil Company: *See*—
Bennett, Edwin O., assignor.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,379,626; July 3.

Couse Laboratories: *See*—
Young, Joseph E., assignor.

Cover, Martin L., Allen Park, Mich., assignor to National Steel Corporation. Sintering machine. 2,379,418; July 3.

Cozzoli, Frank, Plainfield, N. J. Ampule cleansing machine. 2,379,789; July 3.

Crandall, James S., Lexington, assignor to Crandall Dry Dock Engineers Inc., Cambridge, Mass. Floating dry dock. 2,379,685; July 3.

Crandall Dry Dock Engineers Inc.: *See*—
Crandall, James S., assignor.

Crawford, Archibald M., Pittsburgh, assignor to The Union Switch and Signal Company, Swissvale, Pa. Speed measuring and recording apparatus. 2,379,686; July 3.

Crawford, Beatty M., Santa Ana, Calif. Self-braking winch drive. 2,379,477; July 3.

Crawford, Chester C., El Cerrito, and W. E. Ross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyst. 2,379,687; July 3.

Crompton & Knowles Loom Works: *See*—
Howe, Wilfred C., assignor.
Palmer, Albert, assignor.
Payne, Oscar V., assignor.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver circuits. 2,379,688; July 3.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency control circuit. 2,379,689; July 3.

Cunningham, Harry G., Los Angeles, Calif. Camera film magazine and driving mechanism. 2,379,690; July 3.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Reaction products of aldehydes and diazine derivatives. 2,379,691; July 3.

Dalstra, Hendrik: *See*—
Campfens, C. J., and Dalstra.

Damme, Walter O., and R. J. Gabler, assignors to Butler Manufacturing Company, Kansas City, Mo. Pressure filter. 2,379,848; July 3.

Davenport, Edith E., executrix: *See*—
Silva, F. G., and Davenport.

Davenport Machine Tool Co., Inc.: *See*—
Silva, F. G., and Davenport, assignors.

Davis, Alto J., Montgomery, Ala. Piston expanding machine. 2,379,627; July 3.

Degnan, William M.: *See*—
Hill, A. J., and Degnan.

De Laval Separator Company, The: *See*—
Hapgood, Cyrus H., assignor.

Delbrook Ventilating Co.: *See*—
Foisy, Francis W., assignor.

Delp, Leonard A., Ann Arbor, Mich. Bearing unit and lubricating material therefor. 2,379,478; July 3.

Detroit Lubricator Company: *See*—
Doucet, Edward J., assignor.

Deyrup, Alden J., Elizabeth, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vehicles for application of ceramic colors. 2,379,507; July 3.

Diamond Alkali Company: *See*—
Robinson, Edward A., assignor.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Dichroic reflector. 2,379,790; July 3.

Distillation Products, Inc.: *See*—
Baxter, J. G., and Robeson, assignors.
Hickman, K. C. D., and Kuipers, assignors.

Distillers Company Limited, The: *See*—
Staudinger, H. P., Tuerck, and Brittain, assignors.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Torsional joint. 2,379,508; July 3.

Dodson, Edward, Puriton, near Bridgewater, England. Fluid-pressure-operated means for controlling apparatus at a distance. 2,379,692; July 3.

Doehm, Karl A.: *See*—
Weidauer, C., and Doehm.

Dolgorukov, Gregory S., Detroit, Mich. Drafting instrument. 2,379,791; July 3.

Donlan, Theodore R., Union, assignor, by mesne assignments, to Standard Alcohol Company, Linden, N. J. Hydraulic media for low temperature operation. 2,379,792; July 3.

Doucet, Edward J., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel burner control means. 2,379,565; July 3.

Dowty Equipment Limited: *See*—
MacKenzie, Donald, assignor.

Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Internal screw thread lapping machine. 2,379,693; July 3.

Draper Corporation: *See*—
Nichols, Edward C., assignor.

Drescher, Ernest W.: *See*—
Bennett, W. O., Jr., and Drescher.

Duke, Sam, Chicago, Ill. Folding wheel chair. 2,379,566; July 3.

Du Mont, Allen B., Laboratories, Inc.: *See*—
Koch, S. J., and Robillard, assignors.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping shoe uppers. 2,379,425; July 3.

Du Pont, E. I., de Nemours & Company: *See*—
Brown, R. G., and Roberts, assignors.
Cass, Oliver W., assignor.
Coes, Loring, Jr., assignor.
Deyrup, Alden J., assignor.
Miller, H. C., and Schreiber, assignors.
Mummery, Lester R., assignor.
Walker, Joseph F., assignor.
Watkins, William W., assignor.

Eberhard, Harmon S., Peoria, Ill., and G. W. Lewis, Cedar Rapids, Iowa, assignors to Caterpillar Tractor Co., San Leandro, Calif. Steering by driving. 2,379,628; July 3.

Edson, William A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized oscillator. 2,379,694; July 3.

Edstrom, Otto E., San Francisco, Calif. Blind guide. 2,379,426; July 3.

Eenigenburg, Robley E., assignor of one-half to E. F. Brennom, Chicago, Ill. Manufacturing transparent bodies with items embedded therein. 2,379,793; July 3.

Egert, Otto, London, England. Lock nut. 2,379,794; July 3.

Ellinwood, Herman R., Burbank, Calif., assignor to Adel Precision Products Corp. Conduit supporting clip. 2,379,568; July 3.

Ellis, Robert, York, Pa. Abrasive tool. 2,379,569; July 3.

Elmer, William B., Winchester, Mass. Apparatus for heating and cooking. 2,379,509; July 3.

Emery, Alfred H., Wappingers Falls, N. Y. Coin holder. 2,379,695; July 3.

Ericson, George R., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Internal-combustion engine. 2,379,849; July 3.

Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Recovery of olefinic hydrocarbons. 2,379,696; July 3.

Evans, Theodore W., Oakland, and R. C. Morris, and N. C. Melchior, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of diolefins. 2,379,697; July 3.

Evans, William John R.: *See*—
Bacon, R. G. R., and Evans.

Eve, Frank H., and A. E. Clarke, Luton, England. Safety razor. 2,379,479; July 3.

Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Disintegrating cartridge belt. 2,379,510; July 3.

Eweson, Eric W., New York, N. Y. Device for manipulating contact lenses. 2,379,629; July 3.

Ex-Cell-O Corporation: *See*—
Snader, I. J., and Mathys, assignors.

Falls, John F., New Paltz, N. Y. Pipe-cutting machine. 2,379,630; July 3.

Farnsworth Television and Radio Corporation: *See*—
White, J. W., and ter Veen, assignors.

Faximile, Inc.: *See*—
Hogan, John V. L., assignor.

Federal Telephone & Radio Corporation: *See*—
Busignies, H. G., and Richardson, assignors.
Hotine, William, assignor.
Kandoian, Armig G., assignor.

Federman, Jack, Brooklyn, N. Y. Coat garment. 2,379,511; July 3.

Fenn, Orrin E., assignor to Peters-Dalton, Inc., Detroit, Mich. Air washer. 2,379,795; June 3.

Ferro Enamel Corporation: *See*—
Schaal, Robert B., assignor.

Fesler, Robert H., Manhasset, N. Y. Manufacture of footwear. 2,379,480; July 3.

Fetzer, Walter R., Clayton, Mo., assignor to Union Starch & Refining Company, Columbus, Ind. Manufacture of dehydrated coffee. 2,379,427; June 3.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,379,512; July 3.

Finckh, Leonhard, Geneva, assignor to Landis & Gyr, A-G., Zug, Switzerland. Remote control installation. 2,379,631; June 3.

Fischer, Edwin L., Endwell, assignor to General Aniline & Film Corporation, New York, N. Y. Camera and range finder. 2,379,698; July 3.

Fisher, Charles B., Washington, D. C. Electronic amplification. 2,379,513; July 3.

Fisher, Charles B., Washington, D. C. Microphone. 2,379,514; July 3.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,379,428; July 3.

Flangelock Patents Corporation: *See*—
Krueger, William H., assignor.

Foisy, Francis W., Brighton, assignor to Delbrook Ventilating Co., Cambridge, Mass. Duct system. 2,379,632; July 3.

Ford, Ernest L.: *See*—
Hughes, B. D., and Ford.

Ford, John R., Narberth, Pa., assignor to Radio Corporation of America. Amplifier circuit. 2,379,699; July 3.

Forgrove Machinery Company Limited, The: *See*—
Russell, A., Parker, and Harris, assignors.

Forsgren, Donald W. and W. W., assignors to U. S. Metallic Magnesium Company, Salt Lake City, Utah. Alloy for use in electrolytic cell. 2,379,429; July 3.

Forsgren, Waldo W.: *See*—
Forsgren, Donald W. and W. W.

Foster, Arch L., Tulsa, Okla., assignor to Phillips Petroleum Company. System of heat exchange and temperature control. 2,379,481; July 3.

Franck, Clarence C., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam turbine testing apparatus. 2,379,700; July 3.

Freeman, Leon T., and R. H. Shively, Scranton, Pa., assignors to C. H. Shively, Fremont, Ohio. Brake operating mechanism. 2,379,796; July 3.

Friberg, Carl A., Malmo, Sweden. Winning and preparing peat. 2,379,570; July 3.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Making bullets. 2,379,701; July 3.

Frolich, Per K., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Rubber compositions. 2,379,482; July 3.

Frost, Norman B., Washington, D. C. Golfer's glove. 2,379,430; July 3.

Fryling, Charles F., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadienes. 2,379,431; July 3.

Gabler, Raymond J.: *See*—
Damme, W. O., and Gabler.

Gallo, Michael, Baltimore, Md. Electrode holder. 2,379,515; July 3.

Garretson, Owen L., Detroit, Mich., assignor to Phillips Petroleum Company. Gas proportioning system. 2,379,633; July 3.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Treatment of wells. 2,379,516; July 3.

Gebhard, Melvin L., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,379,702; July 3.

Gelatin Products Corporation: *See*—
Mabbs, Carl E., assignor.
Scherer, Robert P., assignor.

Geltner, Daniel, Astoria, N. Y., assignor to The Richards Chemical Works, Inc., Jersey City, N. J. Production of derivatives of polyhydroxy alcohols. 2,379,703; July 3.

General Aniline & Film Corporation: *See*—
Fischer, Edwin L., assignor.
Mueller, Fritz W. H., assignor.

General Electric Company: *See*—
D'Alelio, Gaetano F., assignor.
Goff, Robert W., assignor.
Hull, Albert W., assignor.
Lincks, George F., assignor.
McIver, William K., assignor.
Prince, David C., assignor.
Strang, Harold E., assignor.
Sweet, A. L., and Bassett, assignors.
Valentine, Irving R., assignor.
Warren, Glenn B., assignor.
Wellman, Albert, assignor.
Wyer, Richard F., assignor.

General Motors Corporation: *See*—
MacNeil, C. S. J., Haines, Martin, and Berninger, assignors.
Rossman, Edwin F., assignor.
Stickel, Carl A., assignor.

General Railway Signal Company: *See*—
Field, Oscar S., assignor.

General Tire & Rubber Company, The: *See*—
Dodge, Howard M., assignor.

Gerlach, Charles L., assignor to Michael Yundt Company, Waukesha, Wis. Conveying apparatus. 2,379,571; July 3.

Gibbs & Cox, Inc.: *See*—
Hadden, Edward L., assignor.

Gibson, Gerald A., Excelsior, Minn. Portable basketball goal. 2,379,572; July 3.

Gilbert, Lloyd, Ravenna, Mich. Stone carrier attachment for tractors. 2,379,797; July 3.

Gilson, Warren E., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Automatic blood pressure recorder. 2,379,573; July 3.

Ginger Cola Dispenser Inc.: *See*—
Lloyd, Charles W., assignor.

Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,379,704; July 3.

Gold, Archibald: *See*—
Mendez, Ciro F., assignor.

Golden State Company, Ltd.: *See*—
Manning, P. D. V., and Trone, assignors.

Goldthwait, Charles F., New Orleans, La., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Producing surgical bandages with improved elastic properties. 2,379,574; July 3.

Goodrich, B. F., Company, The: *See*—
Fryling, Charles F., assignor.

Gosnell, Earl J.: *See*—
Kantrowitz, M. S., and Gosnell, assignors.

Gould, David F.: *See*—
Maguire, J. B., and Gould.

Goulding, John P.: *See*—
Conn, R. C., Adams, and Goulding.
Lecher, H. Z., Goulding, and Parker.

Granstedt, Karl E., assignor to Aktiebolaget Formator, Stockholm, sweden. Wrapper carrier in cigar machines. 2,379,575; July 3.

Graves, Frederick, St. Louis, Mo. Portable electric heater. 2,379,705; July 3.

Greene, James B.: *See*—
Rubidge, D. W., Manning, Hood, and Greene.

Greensfelder, Bernard S.: *See*—
Bannerot, R. A., Boultbee, and Greensfelder.

Griscom-Russell Company, The: *See*—
Sebald, Leslie E., assignor.

Griswold, Leslie W.: *See*—
Thomas, Walter E., assignor.

Guardite Corporation, The: *See*—
Heineman, Arnold H., assignor.

Guth, Edwin F., Florissant, Mo. Lighting fixture. 2,379,798; July 3.

Haas, Fritz O.: *See*—
Spence, L. U., and Haas.

Hadden, Edward L., Plainfield, N. J., assignor to Gibbs & Cox, Inc., New York, N. Y. Universal indicator for remote control deck sockets. 2,379,517; July 3.

Hague, Wesley McL.: *See*—
Clinkscale, R. W., Hague, and Sylvester.

Haigis, Carleton D., Martinsville, N. J. Radio control unit with interference suppression. 2,379,799; July 3.

Haines, John F.: *See*—
MacNeil, C. S. J., Haines, Martin, and Berninger.

Hall, Edwin L., Philadelphia, Pa. assignor to The United Gas Improvement Company. Recovery of valuable hydrocarbons. 2,379,518; July 3.

Hall, Lewis H., Springfield, Mass. Trouser hanger. 2,379,634; July 3.

Hall, Walter T., Winchester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Distillation heat exchange method and apparatus. 2,379,519; July 3.

Hamilton Watch Company: *See*—
Bennett, W. O., Jr., and Drescher, assignors.
Henry, Ralph W., assignor.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 2,379,706; July 3.

Hansgirg, Fritz J., Black Mountain, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Producing metallic magnesium from magnesium silicates. 2,379,576; July 3.

Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Automatic pulsator for milking machines. 2,379,483; July 3.

Hare, Donald G. C., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Signal transmission system. 2,379,800; July 3.

Harris, Richard A.: *See*—
Russell, A., Parker, and Harris.

Harsted, Harry H., Chicago, Ill. Foldable antenna. 2,379,577; July 3.

Hart, Harry L.: *See*—
Bugg, K. C., and Hart.

Hartford Rayon Corporation: *See*—
Loveridge, G. T., and Carlson, assignors.

Hartford Rayon Corporation, The: *See*—
Boles, O. W., and Taylor, assignors.

Hartung, Frederick A., Salem, Mass. Adjustable toolholder. 2,379,520; July 3.

Haseltine, Stacy B., LaGrange, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,379,521; July 3.

Hastings, Arthur C., Jr., South Yarmouth, Mass. Fluidtight seal. 2,379,635; July 3.

Hathaway, Jarrett L., Cambridge, Mass., assignor to Radio Corporation of America. Audio frequency compensator circuit. 2,379,707; July 3.

Haynes, Robert L., Indianapolis, Ind., assignor to Radio Corporation of America. Variable gain audio amplifier system and method. 2,379,484; July 3.

Hays, Charles H., Jr., Northeast, Pa., assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Operating and timing devices for laundering machines and the like. 2,379,522; July 3.

Heany Industrial Ceramic Corporation: *See*—
Heany, John A., assignor.

Heany, John A., New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y. Nozzle. 2,379,432; July 3.

Hearne, George W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of diolefins. 2,379,708; July 3.

Heddon's, James, Sons: *See*—
Heddon, John, assignor.

Heddon, John, assignor to J. Heddon's Sons, Dowagiac, Mich. Reel seat. 2,379,578; July 3.

Hedgren, Arthur W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Making reinforced concrete buildings. 2,379,636; July 3.

Heilman, Joseph R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Toasting apparatus. 2,379,709; July 3.

Heineman, Arnold H., Chicago, Ill., assignor to The Guardite Corporation. Gun port mounting. 2,379,710; July 3.

Hemmerling, Norma A,, North Tonawanda, N. Y. Fuse handling implement. 2,379,433; July 3.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Catalytic conversion of hydrocarbon oils. 2,379,711; July 3.

Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Electrically heated fabric. 2,379,580; July 3.

Henry, Albert R., Salina, Kans. Loading device. 2,379,523; July 3.

Henry, Ralph W.,. Manor Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Producing stepped wire. 2,379,801; July 3.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bearing. 2,379,434; July 3.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bearing and the like. 2,379,435; July 3.

Hepp, Harold J.: *See*—
Welling, C. E., and Hepp.

Hercules Powder Company: *See*—
Little, Julius G., assignor.

Herzog, Carl, Belleville, N. J. Rotary oven. 2,379,485; July 3.

Hickman, Kenneth C. D., and G. A. Kuipers, assignors to Distillation Products, Inc., Rochester, N. Y. Method and apparatus for producing vacuums. 2,379,436; July 3.

Hildebrecht, Charles V., Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermoelectric safety device and the like. 2,379,712; July 3.

Hill, Arthur J., New Haven, Conn., and W. M. Degnan, Bloomington, Ind., assignors to American Cyanamid Company, New York, N. Y. Acidyl biurets. 2,379,486; July 3.

Hines, John, South Norwalk, and L. Segal, assignors to Norwalk Lock Company, New York, N. Y. Laminated padlock. 2,379,437; July 3.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas burner. 2,379,524; July 3.

Hoeber, Harold, South Dartmouth, Mass. Picker stick support. 2,379,525; July 3.

Hoffmann, Alfred A., Rochester, N. Y. Card assembly. 2,379,637; July 3.

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Facsimile apparatus. 2,379,438; July 3.

Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Article conveying apparatus. 2,379,713; July 3.

Holley, Earl, et al.: *See*—
Oliver, Wilbur C., assignor.

Holley, George M., et al.: *See*—
Oliver, Wilbur C., assignor.

Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Audio transmission network. 2,379,714; July 3.

Hood, James D.: *See*—
Rubidge, D. W., Manning, Hood, and Greene.

Hooe, Hunter E.: *See*—
Mehan, T. O., and Hooe, assignors.

Horton, Frank J., Detroit, Mich. Sea scooter. 2,379,526; July 3.

Hosten, Edward R.: *See*—
Kelliher, Charles, assignor.

Hotine, William, Bayville, N. Y., assignor to Federal Telephone & Radio Corporation. High frequency circuit structure. 2,379,439; July 3.

Howe, Wilfred C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Selector mechanism for multistack weft replenishing looms. 2,379,487; July 3.

Howie, Kenneth, and C. C. Krieble, assignors to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 2,379,527; July 3.

Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,379,715; July 3.

Hughes, Benjamin D., and E. L. Ford, Wembley, England. Extractor ventilator. 2,379,638; July 3.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Magnetic field gradient meter. 2,379,716; July 3.

Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-(4-Sulphamylphenyl)-3-(4-sulphamylphenylimino)-5-aryl-2-pyrrolidone. 2,379,639; July 3.

Hunter, Frank B., La Canada, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Lubricant circulating system. 2,379,579; July 3.

Hurley, Samuel C., Jr., Danville, Ill. Orienting mechanism. 2,379,717; July 3.

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Harvester construction. 2,379,802; July 3.

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Harvester. 2,379,803; July 3.

Imperial Chemical Industries Limited: *See*—
Bacon, R. G. R., and Evans, assignors.

Industrial Patents Corporation: *See*—
Williams, Beverly E., assignor.

Ingersoll-Rand Company: *See*—
Lincoln, Paul A., assignor.
Stepanoff, Alexey J., assignor.

International Business Machines Corporation: *See*—
Brand, Samuel, assignor.
Rabenda, Edward J., assignor.
Rubidge, D. W., Manning, Hood, and Greene, assignors.
Sprecker, Alfred L., assignor.
von Reppert, Richard, assignor.

International Harvester Company: *See*—
Ash, Roy C., assignor.
Blaydes, Frederick T., assignor.
Hyman, Benjamin M., assignor.
Johnston, Edward A., assignor.
Mitchell, M. J., and Millard, assignors.

International Standard Electric Corporation: *See*—
Litton, Charles V., assignor.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock device. 2,379,440; July 3.

Jamestown Metal Equipment Company, Inc.: *See*—
Hays, Charles H., Jr., assignor.

Jasco, Incorporated: *See*—
Frolich, Per K., assignor.

Jensen, Lionel R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Knurling machine. 2,379,718; July 3.

Johnsen, Iver, Jr., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle framing post construction. 2,379,640; July 3.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Holdfast means for screw bolts. 2,379,804; July 3.

Johnston, Edward A., Los Angeles, Calif., assignor to International Harvester Company. Agricultural implement. 2,379,805; July 3.

Kaehler, Arnold A., Red Wing, Minn. Soybean food concentrate and preparation. 2,379,441; July 3.

Kahn, Albert: *See*—
Roe, James, assignor.

Kandoian, Armig G., New York, N. Y., assignor to Federal Telephone & Radio Corporation. Instrument landing guide system. 2,379,442; July 3.

Kane Carburetor Corporation: *See*—
Kane, Frank A., Jr., assignor.

Kane, Frank A., Jr., Derby, Conn., assignor to Kane Carburetor Corporation of Delaware, Wilmington, Del. Vacuum booster for windshield wipers. 2,379,719; July 3.

Kantrowitz, Morris S. and E. J. Gosnell, Washington, D. C. Manufacturing identifiable paper. 2,379,443; July 3.

Kase, Nathan, Binghamton, N. Y. Make-up cape. 2,379,722; July 3.

Kearney & Trecker Corporation: *See*—
Armitage, Joseph B., assignor.

Keitel, Christian W., East Orange, assignor to Baker & Company, Inc., Newark, N. J. Electrical contact element. 2,379,641; July 3.

Kelliher, Charles, assignor of forty per cent to E. R. Hosten, New York, N. Y. Reversible sash window. 2,379,528; July 3.

Kellogg Switchboard and Supply Company: *See*—
Wallace, Bert A., assignor.

Kent, Frederick J., Glen Rock, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Double twist twister. 2,379,806; July 3.

Kennedy, Earl M., Cleveland, Ohio. Cap for grease fittings. 2,379,529; July 3.

Kiechle, Paul, New York, N. Y. Saw grinding device. 2,379,642; July 3.

Kispert, Joseph J., Branford, Conn. Corset. 2,379,444; July 3.

Kispert, Joseph J., Branford, Conn. Uplift corset. 2,379,445; July 3.

Klein, Harry H., Woodhaven, N. Y. Hair curler. 2,379,807; July 3.

Knight, Clarence F., McGrann, Pa. Bark removing machine. 2,379,581; July 3.

Koch, Stanley J., Clifton, and J. H. Robillard, East Orange, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Centering device for electron guns. 2,379,488; July 3.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Receiver fidelity control system. 2,379,720; July 3.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation receiving system. 2,379,721; July 3.

Köster, Heinrich: *See*—
Serini, A., Köster, and Strassberger.

Kracklauer, Aloysius C., assignor to Sparkler Manufacturing Company, Mundelein, Ill. Filter. 2,379,582; July 3.

Krause, Philip T.: *See*—
Ledin, Charles, and Krause.

Kreitner, John: *See*—
Nettel, F., and Kreitner.

Kreuzer, Barton, Los Angeles, Calif., assignor to Radio Corporation of America. Combination sound recorder and motion-picture camera. 2,379,489; July 3.

Krieble, Charles C.: *See*—
Howie, K., and Krieble.

Krueger, William H., assignor to Flangelock Patents Corporation, Milwaukee, Wis. Scaffolding. 2,379,446; July 3.

Kruger, Theodore, Peoria, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Air distribution to burners. 2,379,490; July 3.

Kuipers, George A.: *See*—
Hickman, K. C. D., and Kuipers.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,379,723; July 3.

Landis & Gyr, A-G.: *See*—
Finckh, Leonard, assignor.

Lanham, Colonel W., assignor to L. W. Lanham, Chicago, Ill. Seed planter. 2,379,724; July 3.

Lanham, William W.: *See*—
Lanham, Colonel W., assignor.

Lanphere, Clive W., New York 52, N. Y. Automatic transmission. 2,379,808; July 3.

Lawler, William R., Burbank, Calif. Safety rivet set. 2,379,809; July 3.

Lecher, Hans Z., Plainfield, J. P. Goulding, Neshanic Station, and R. P. Parker, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyestuff derivatives of 6-amino-1,3 benzodioxan. 2,379,725; July 3.

Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Resistance element. 2,379,530; July 3.

Ledin, Charles, and P. T. Krause, Stamford, Conn. Latch bolt holdback. 2,379,810; July 3.

Lee, William McC.: *See*—
Schreiber, R. P., and Lee.

Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Lathe tool mounting and actuating mechanism. 2,379,583; July 3.

Levkoff, David, Brooklyn, N. Y. Folding box. 2,379,726; July 3.

Lewis, Clyde O., Cleveland, Ohio. Storm window. 2,379,727; July 3.

Lewis, George W.: *See*—
Eberhard, H. S., and Lewis.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., and H. T. Rice, Roselle, N. J., assignors to Standard Oil Development Company. Preparing polymerization products. 2,379,728; July 3.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric cutout. 2,379,729; July 3.

Lincoln, Paul A., Bloomsbury, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Feeding device for rock drills. 2,379,811; July 3.

Lindsey, Henry A. D., Hickam Field, Hawaii. Antisubmarine device. 2,379,447; July 3.

Linde Air Products Company, The: *See*—
Baird, Albert W., assignor.

Linn, Norman F., Roselle Park, N. J., assignor to Standard Oil Development Company. Handling pulverulent material. 2,379,448; July 3.

Lippart, John, Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding apparatus. 2,379,531; July 3.

Lipsius, Harry M.: *See*—
Bowles, A. F., and Lipsius.

Little, Arthur D., Inc.: *See*—
Hall, Walter T., assignor.

Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 2,379,812; July 3.

Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Making seal members. 2,379,584; July 3.

Lloyd, Charles W., assignor to Ginger Cola Dispenser Inc., Brooklyn, N. Y. Beverage dispensing device. 2,379,532; July 3.

Lockheed Aircraft Corporation: *See*—
Hunter, Frank B., assignor.
Rempt, Henry F., assignor.

Longenecker, Jay H., Richmond, Va. Necktie and collar clasp. 2,379,533; July 3.

Longerich, Ernest P., Mahwah, N. J. Anode ring motor. 2,379,730; July 3.

Lowden, Gordon A., Miamisburg, Ohio. Optical work area locator. 2,379,534; July 3.

Loy Corporation: *See*—
Loy, Egon, assignor.

Loy, Egon, assignor to Loy Corporation, New York, N. Y. Finishing treatment for felt and felt hat bodies. 2,379,643; July 3.

Loveridge, Gilbert T., Wethersfield, and H. E. Carlson, assignors to Hartford Rayon Corporation, Rocky Hill, Conn. Rayon bobbin spinning machine and operation. 2,379,813; July 3.

Lowe, Russell E.: *See*—
Morgan, J. D., and Lowe.

Lynch, Kathryn L., and H. J. West, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Wetting and emulsifying agents. 2,379,535; July 3.

Mabbs, Carl E., Chicago, Ill., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Capsulating process and apparatus. 2,379,816; July 3.

Mabbs, Carl E., Evanston, Ill., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Process and apparatus for making capsules. 2,379,817; July 3.

MacKenzie, Donald, assignor to Dowty Equipment Limited, Cheltenham, England. Fluid actuated control system. 2,379,536; July 3.

MacNeil, Charles S. J., J. F. Haines, T. B. Martin, and K. L. Berninger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Automatic regulator. 2,379,537; July 3.

Magill-Weinsheimer Company: *See*—
Skogh, Clifford W., assignor.

Maguire, James B., Jenkintown, Pa., and D. F. Gould, Riverton, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Sulphonation of benzene. 2,379,585; July 3.

Maldoff, Carl D., Outremont, Quebec, Canada. Figure molding foundation garment. 2,379,491; July 3.

Malek, Morris S., New York, N. Y. Flexible needle sewing machine. 2,379,733; July 3.

Mallory, P. R., & Co., Inc.: *See*—
Henzel, Franz R., assignor.

Manning, Clarence R.: *See*—
Rubidge, D. W., Manning, Hood, and Greene.

Manning, Joseph F.: *See*—
Teppema, J., and Manning.

Manning, Maxwell & Moore, Inc.: *See*—
Conrad, Albert G., assignor.

Manning, Paul D. V., Berkeley Woods, and E. Trone, assignors to Golden State Company, Ltd., San Francisco, Calif. Vitamin product and manufacture. 2,379,586; July 3.

Marconi's Wireless Telegraph Co., Ltd.: *See*—
Banks, George B., assignor.

Marinsky, Davis: *See*—
Morin, Louis H., assignor.

Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Treatment of gases. 2,379,734; July 3.

Martin-Parry Corporation: *See*—
Buquor, Adolph P., assignor.

Martin, Thomas B.: *See*—
MacNeil, C. S. J., Haines, Martin, and Berninger.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Couplings between resonators and electron streams. 2,379,818; July 3.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulator. 2,379,819; July 3.

Mathys, Max A.: *See*—
Snader, I. J., and Mathys.

McAllister, Sumner H., Lafayette, assignor to Shell Development Company, San Francisco, Calif. Olefine isomerization process. 2,379,731; July 3.

McFarland, Alice M., Cincinnati, Ohio. X-ray of flowers and the like. 2,379,814; July 3.

McFarlane, Marguerite, New York, N. Y. Garment closure. 2,379,815; July 3.

McGraw Electric Company: *See*—
Biebel, Herman M., assignor.

McGreevy, James P.: *See*—
Pischel, A., and McGreevy.

McIver, William K., Fort Wayne, Ind., assignor to General Electric Company. Alternating current vernier motor. 2,379,732; July 3.

McWhorter, C. J.: *See*—
Smith, Louie F., assignor.

Meaker, John W.: *See*—
Wilsey, I. H., and Meaker.

Mehan, Thomas O., Park Ridge, and Hunter E. Hooe, assignors to Victor Adding Machine Co., Chicago, Ill. Multiplying machine. 2,379,449; July 3.

Meierhofer, Max, Erlenbach, Zurich, Switzerland. Joints for leg supports and artificial limbs in general. 2,379,538; July 3.

Meikle, John D., Mount Lebanon, Pa. Flame arrester. 2,379,735; July 3.

Melchior, Norten C.: *See*—
Evans, T. W., Morris, and Melchior.

Mendez, Ciro F., assignor to Archibald Gold, New York, N. Y. Heating device. 2,379,820; July 3.

Mercier, Jean, New York, N. Y. Pumping apparatus. 2,379,539; July 3.

Merrell, Wm. S., Company, The: *See*—
Shelton, Robert S., assignor.

Micuta, George R., Waterbury, Conn. Steering wheel. 2,379,492; July 3.

Millard, Lee P.: *See*—
Mitchell, M. J., and Millard.

Miller, Harry, Vandalia, Mo., assignor to National Agrol Company, Inc., New York, N. Y. Making a catalyst and resulting product. 2,379,736; July 3.

Miller, Henry C., Claymont, and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds. 2,379,821; July 3.

Miller Pottery Engineering Company: *See*—
Miller, William J., assignor.

Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Pressing apparatus for shaping clay and operation. 2,379,737; July 3.

Milwaukee Gas Specialty Company: *See*—
Hildebrecht, Charles V., assignor.

Miner, W. H., Inc.: *See*—
Haseltine, Stacy B., assignor.

Minnesota Mining & Manufacturing Company: *See*—
Gebhard, Melvin L., assignor.
Palmquist, Philip V., assignor.

Mitchell, Melville J., Highland Park, and L. P. Millard, Moline, Ill., assignors to International Harvester Company. Harvester. 2,379,822; July 3.

Montgomery Ward & Co., Incorporated: *See*—
Muerle, Richard W., assignor.

Moore, Francis K.: *See*—
Swartz, A. G., and Moore.

Moore, Robert D., Kansas City, Mo. Wheel-mounting dolly. 2,379,587; July 3.

Morehouse, Silas A., Los Angeles, Calif. Breathing mask. 2,379,493; July 3.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,379,850; July 3.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Cleaning composition. 2,379,851; July 3.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Servopower application to dies of die-casting machines. 2,379,738; July 3.

Morris, Albert W., Springfield, Mass. Apparatus for making metal articles from metal powder. 2,379,540; July 3.

Morris, Bert M., Los Angeles, Calif. Memo base for pen-ink units. 2,379,588; July 3.

Morris, George C., Seattle, Wash. Welding tool. 2,379,645; July 3.

Morris, Rupert C.: *See*—
Evans, T. W., Morris, and Melchior.

Morse Chain Company: *See*—
Perry, David B., assignor.

Mottern, Henry O., Hillside, N. J., assignor to Standard Oil Development Company. Acid recovery process. 2,379,823; July 3.

Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing nonturbid homogeneous solutions and dispersions of colloids and products so prepared. 2,379,646; July 3.

Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Centrifugal separator pan. 2,379,647; July 3.

Mummery, Lester R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for treating artificial filaments. 2,379,824; July 3.

Musser, Clarence W., Philadelphia, Pa. Primer manufacture. 2,379,450; July 3.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Sealed submersible structure. 2,379,648; July 3.

National Agrol Company, Inc.: *See*—
Miller, Harry, assignor.

National Machinery Company, The: *See*—
Friedman, John H., assignor.

National Steel Corporation: *See*—
Cover, Martin L., assignor.

Nebel, Max, Chemnitz, Germany; vested in the Alien Property Custodian. Knit fabric and making the same. 2,379,649; July 3.

Nebel, Max, Chemnitz, Germany; vested in the Alien Property Custodian. Production of loop-plush fabric. 2,379,852; July 3.

Nelson, Richard N., Black River Falls, Wis. Cartridge power feed mechanism. 2,379,451; July 3.

Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Elastic fluid power plant. 2,379,452; July 3.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Picker stick guide. 2,379,589; July 3.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Automatic threading shuttle. 2,379,650; July 3.

Niles-Bement-Pond Company: *See*—
Drake, Alden M., assignor.

Noland, Thomas T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,379,453; July 3.

North Carolina Magnesium Development Corporation: *See*—
Hansgirg, Fritz J., assignor.

Norton, Lowell, Collingswood, N. J., assignor to Radio Corporation of America. Range quadrant identification circuit. 2,379,739; July 3.

Norwalk Lock Company: *See*—
Hines, J., and Segal, assignors.

Nowka, Werner, Garden City, N. Y., assignor to Varispeed Corporation, Dover, Del. Mechanical movement. 2,379,454; July 3.

Nysewander, Cecil W.: *See*—
Sutton, M., and Nysewander.

Oliver, Wilbur C., Los Angeles, Calif., assignor to George M. and Earl Holley. Vapor separator. 2,379,590; July 3.

Orchin, Milton, Pittsburgh, Pa., and L. W. Butz, Beltsville, Md., assignors to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Composition of matter. 2,379,494; July 3.

Otis Elevator Company: *See*—
Tilton, Russell G., assignor.

Owens-Illinois Glass Company: *See*—
Hohl, John, assignor.

Overland Candy Corporation: *See*—
Angell, Elvin D., assignor.

Palmer, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Adjustable tuft cutting knife for Axminster looms. 2,379,740; July 3.

Palmquist, Philip V., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex light reflector. 2,379,741; July 3.

Parisi, Charles W., Bellwood, Ill. Indicator. 2,379,591; July 3.

Parker, Matthew: *See*—
Russell, A., Parker, and Harris.

Parker, Robert P.: *See*—
Lecher, H. Z., Goulding, and Parker.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness mechanism for looms. 2,379,742; July 3.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness cord sheave mechanism for looms. 2,379,743; July 3.

Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Silent type chain. 2,379,825; July 3.

Peters-Dalton, Inc.: *See*—
Fenn, Orrin E., assignor.

Peterson, Carl C., Burlington, Ontario, Canada. Hand nail driving and countersinking apparatus. 2,379,826; July 3.

Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit arrangement employing delay networks. 2,379,744; July 3.

Phenix, Fladger: *See*—
Whatley, Wilson W., II, assignor.

Philbrick, Robert S., York, Pa. Pneumatic clutch. 2,379,592; July 3.

Philco Radio and Television Corporation: *See*—
Bobb, Lloyd J., assignor.

Phillips Petroleum Company: *See*—
Foster, Arch L., assignor.
Garretson, Owen L., assignor.
Welling, C. E., and Hepp, assignors.

Pioneer Parachute Company, Inc.: *See*—
Smith, Prevost F., assignor.

Pischel, Adolf, and J. P. McGreevy, New York, N. Y.; said McGreevy assignor to said Pischel. Application of wax. 2,379,745; July 3.

Planiol, André P. E., Huntington, N. Y. Feed of exhaust gases to turbo superchargers. 2,379,541; July 3.

Plumb, George W., Los Angeles, Calif., assignor to Adel Precision Products Corp. Spring nut with locking spur. 2,379,593; July 3.

Poirier, Ernest A., Waterville, Maine. Stock regulator for paper machines. 2,379,746; July 3.

Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Engine supercharger system. 2,379,455; July 3.

Pritchard, Percy, Wootton Wawen, England. Electric resistor furnace for the heating and melting of metals. 2,379,651; July 3.

Pullman-Standard Car Manufacturing Company: *See*—
Johnsen, Iver, Jr., assignor.

Quaker Oats Company, The, et al.: *See*—
Turner, C. W., and Reineke, assignors.

Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Recording and communication apparatus. 2,379,827; July 3.

Radio Corporation of America: *See*—
Crosby, Murray G., assignor.
Dimmick, Glenn L., assignor.
Ford, John R., assignor.
Hansell, Clarence W., assignor.
Hathaway, Jarrett L., assignor.
Haynes, Robert L., assignor.
Hollingsworth, R. Lee, assignor.
Koch, Winfield R., assignor.
Kreuzer, Barton, assignor.
Norton, Lowell E., assignor.
Roberts, Walter van B., assignor.
Stanko, Edward, assignor.
Thomas, Harry E., assignor.
Trevor, Bertram, assignor.
Tunick, Harry, assignor.
Watson, Waldon O., assignor.

Raytheon Manufacturing Company: *See*—
Spencer, Percy L., assignor.

Reineke, Ezra P.: *See*—
Turner, C. W., and Reineke.

Rempt, Henry F., Van Nuys, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Indicating signal. 2,379,542; July 3.

Renfroe, Joseph C., Jacksonville, Fla. Eccentric type steel plate lifting clamp. 2,379,652; July 3.

Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,379,456; July 3.

Rice, Harry T.: *See*—
Lieber, E., and Rice.

Richards Chemical Works, Inc., The: *See*—
Geltner, Daniel, assignor.

Richards, Harry P., Elmhurst, Ill. Detachable frameless screen. 2,379,747; July 3.

Richardson, Avery G.: *See*—
Busignies, H. G., and Richardson.

Ricker, Ralph H., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable inductive device. 2,379,457; July 3.

Ridley, Walter, Chelmsford, assignor to Riggs & Lombard, Inc., Lowell, Mass. Carbonizing cloth. 2,379,653; July 3.

Riggs & Lombard, Inc.: *See*—
Ridley, Walter, assignor.

Ringzelli, Arthur, Chicago, Ill. Grinding fixture for cutters. 2,379,594; June 3.

Roberts, Richard R.: *See*—
Brown, R. G., and Roberts.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulation detector circuit. 2,379,748; June 3.

Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,379,543; July 3.

Robertson, H. H., Company: *See*—
Hedgren, Arthur W., assignor.

Robeson, Charles D.: *See*—
Baxter, J. G., and Robeson.

Robillard, Joseph H.: *See*—
Koch, S. J., and Robillard.

Robinson, Edward A., Mount Lebanon, assignor to Diamond Alkali Company, Pittsburgh, Pa. Laundry finishing composition. 2,379,458; July 3.

Roe, James, assignor of one-half to A. Kahn, Chicago, Ill. Floor slab. 2,379,595; June 3.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Apparatus for the application of adhesive to webs. 2,379,495; June 3.

Rohm & Haas Company: *See*—
Spence, L. U., and Haas, assignors.

Roper, Geo. D., Corporation: *See*—
Hobson, Stanley H., assignor.
Jensen, Lionel R., assignor.

Ross, William E., and T. Vermeulen, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,379,749; July 3.

Ross, William E.: *See*—
Crawford, C. C., and Ross.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,379,750; July 3.

Royer, Leslie W., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Desulphurizing hydrocarbons. 2,379,654; July 3.

Rubidge, David W., Chatham, N. J., C. R. Manning, Vestal, J. D. Hood, Endicott, N. Y., and J. B. Greene, New Brunswick, N. J., assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,379,828; July 3.

Russell, Albert J., New York, N. Y. Device for automatically preventing motor vehicles from rolling back on grades. 2,379,829; July 3.

Russell, Alexander, M. Parker and R. A. Harris, assignors to The Forgrove Machinery Company Limited, Leeds, England. Machine for wrapping plastic materials. 2,379,655; July 3.

Russell, Francis R., Elizabeth, N. J., assignor to Standard Oil Development Company. Compressing gases and utilizing the same. 2,379,751; July 3.

Russell Manufacturing Company, The: *See*—
Hendley, James A., assignor.

Ruthruff, Robert F., Chicago, Ill. Catalytic polymerization of unsaturated organic compounds. 2,379,656; July 3.

Ryberg, Gustaf H., Brooklyn, N. Y., assignor to Ryco Laboratories, Inc., New York, N. Y. Package. 2,379,657; July 3.

Ryco Laboratories, Inc.: *See*—
Ryberg, Gustaf H., assignor.

Samuelson, Otto H., Muncie, and A. T. Zappia, Indianapolis, Ind. Plunger carrier for glassware forming apparatus. 2,379,830; July 3.

Saunders, Frank S., Cardiff, South Wales. Automatic press tool for straightening or bending. 2,379,658; July 3.

Saunier, Pierre Paul, Jr., Henrico County, Va. Altimeter. 2,379,496; June 3.

Schaal, Robert B., Independence, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Refining of cobalt ores. 2,379,659; July 3.

Scherer, Robert P., assignor, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Machine for forming capsulating material. 2,379,831; July 3.

Schering Corporation: *See*—
Serini, A., Köster, and Strassberger, assignors.

Schmitz, William, Miami, Fla. Trolling spoon; 2,379,660; July 3.

Schreiber, Raymond P., and W. McC. Lee, Washington, D. C., assignors to Government of the United States of America, as represented by the Secretary of War and his successors in office. Temperature indicator. 2,379,459; July 3.

Schreiber, Richard S.: *See*—
Miller, H. C., and Schreiber.

Scott, Ruth P., executrix: *See*—
Scott, Winfield.

Scott, Winfield, deceased by R. P. Scott, executrix, assignor to Wingfoot Corporation, Akron, Ohio. Treatment of rubber. 2,379,460; July 3.

Scutt, Arthur G., assignor to The Carborundum Company, Niagara Falls, N. Y. Making an abrasive article. 2,379,544; July 3.

Seamans, James W., San Leandro, Calif. Magnetic lifting device. 2,379,596; July 3.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water purifying and degasifying apparatus. 2,379,753; July 3.

Sebald, Leslie E., Ridgewood, N. J., assignor to The Griscom-Russell Company, New York, N. Y. High-pressure steam generator. 2,379,661; July 3.

Segal, Louis: *See*—
Hines, J., and Segal.

Selensky, John A., Goose Creek, Tex., assignor to Standard Oil Development Company. Washing rotating drum filters. 2,379,754; July 3.

Sellmeyer, Thomas J., Glasgow, Mo. Flying suit. 2,379,497; July 3.

Selvig, John N., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Handling strands. 2,379,755; July 3.

Selvig, John N., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating sheath on electrical conductor strands. 2,379,756; July 3.

Serini, Arthur, Berlin N 65, H. Köster, Berlin-Charlottenburg, and L. Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Manufacture of unsaturated ketones of the cyclopentano polyhydro phenanthrene series. 2,379,832; July 3.

Settecasi, Peter: *See*—
Steiner, L., and Settecasi.

Sharp, Renwick J., Guatemala, Guatemala. Windmill and pump remotely operated thereby. 2,379,833; July 3.

Sharp, Renwick J., Guatemala, Guatemala. Front driven motorboat. 2,379,834; July 3.

Shaw, Hubert K., Boston, Mass. Buoyant utility suit. 2,379,498; July 3.

Shell Development Company: *See*—
Bannerot, R. A., Boultbee, and Greensfelder, assignors.
Craword, C. C., and Ross, assignors.
Evans, Theodore W., assignor.
Evans, T. W., Morris, and Melchior, assignors.
Hearne, George W., assignor.
McAllister, Sumner H., assignor.
Ross, W. E., and Vermeulen, assignors.
Vinograd, Jerome R., assignor.

Shelton, Robert S., Mariemont, Ohio, assignor to The Wm. S. Merrell Company. Riboflavin solution. 2,379,644; July 3.

Shively, Chester H.: *See*—
Freeman, L. T., and Shively, assignors.

Shively, Roy H.: *See*—
Freeman, L. T., and Shively.

Shultz, Frederick W., Wichita, Kans. Bolt and mounting therefor. 2,379,752; July 3.

Siegel, Chester A., Newark, N. J., assignor to American Arch Company, New York, N. Y. Locomotive firebox equipment. 2,379,597; July 3.

Silva, Frederick G., and W. S. Davenport, deceased, by E. E. Davenport, executrix, assignors to Davenport Machine Tool Co., Inc., Rochester, N. Y. Cam assembly. 2,379,545; July 3.

Simpson, Clarence E., Springfield, Mass. Firearm. 2,379,461; July 3.

Sipp-Eastwood Corporation: *See*—
Kent, Frederick J., assignor.

Sisler, Charles O., Sault Ste Marie, Ontario, Canada. Continuous flow apparatus for testing pulp freeness. 2,379,835; July 3.

Skelly Oil Company: *See*—
Royer, Leslie W., assignor.

Skogh, Clifford W., Cary, assignor to Magill-Weinsheimer Company, Chicago, Ill. Display device. 2,379,598; July 3.

Smith, Charles R., Chicago, Ill. Power hoist. 2,379,599; July 3.

Smith, Elizabeth E. and W. O., Pittsburgh, Pa. Dental compact. 2,379,600; July 3.

Smith, Harry E., Little Silver, N. J., assignor to Celanese Corporation of America. Screen. 2,379,499; July 3.

Smith, Joseph P., New York, N. Y., assignor to Wrigley Pharmaceutical Co., Inc. Powder box. 2,379,853; July 3.

Smith, Louie F., South Houston, assignor of one-half to C. J. McWhorter, Harris County, Tex. Core retriever. 2,379,757; July 3.

Smith, Prevost F., assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Parachute construction. 2,379,758; July 3.

Smith, Wiley C., Arlington, Va., assignor to the United States of America, as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Treating crude pine tar. 2,379,662; July 3.

Smith, William A., East Orange, N. J. Golf playing apparatus. 2,379,663; July 3.

Smith, William S. K., Akron, Ohio. Thermally insulated window. 2,379,601; July 3.

Smith, Will O.: *See*—
Smith, Elizabeth E. and W. O.

Snader, Ira J., and Max A. Mathys, assignors to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic transmission. 2,379,546; July 3.

Socony-Vacuum Oil Company, Incorporated: *See*—
Noland, Thomas T., assignor.

Sparkler Manufacturing Company: *See*—
Kracklauer, Aloysius C., assignor.

Spence, Le Roy U., Elkins Park, Pa., and F. O. Haas, Washington, D. C., assignors to Rohm & Haas Company, Philadelphia, Pa. Chlorination of aliphatic acids and esters. 2,379,759; July 3.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Ignition tube timing arrangement. 2,379,462; July 3.

Sperry, John B., Aurora, Ill., assignor to The American Well Works. Floating grease seal. 2,379,547; July 3.

Sprecker, Alfred L., Freeport, assignor to International Business Machines Corporation, New York, N. Y. Time system. 2,379,836; July 3.

Squire, Edmund M., Brooklyn, N. Y. Coin-operated voice recording machine. 2,379,548; July 3.

Stahmer, Bernhardt, Omaha, Nebr. Control system. 2,379,837; July 3.

Standard Alcohol Company: *See*—
Donlan, Theodore R., assignor.

Standard Oil Company: *See*—
Arveson, Maurice H., assignor.
Sutton, M., and Nysewander, assignors.

Standard Oil Development Company: *See*—
Hemminger, Charles E., assignor.
Lieber, E., and Rice, assignors.
Linn, Norman F., assignor.
Martin, Homer Z., assignor.
Mottern, Henry O., assignor.
Russell, Francis S., assignor.
Selensky, John A., assignor.

Stanko, Edward, Haddon Heights, N. J., assignor to Radio Corporation of America. Electrical connector for loudspeakers and the like. 2,379,664; July 3.

Stanzel, George A., Des Moines, Iowa. Self-starting constant pressure internal-combustion engine. 2,379,838; July 3.

Staudinger, Hanns P., Ewell, K. H. W. Tuerck, Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetic acid. 2,379,760; July 3.

Steffens, Robert N., New York, N. Y. Making thermoplastic joints. 2,379,500; July 3.

Steiner, Louis, New York, and P. Settecasi, Brooklyn, N. Y., assignors, by mesne assignments, to Assets Realization Co. Article dispensing device. 2,379,501; July 3.

Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Adjusting device. 2,379,839; July 3.

Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,379,602; July 3.

Stone, Noah, assignor to Syndicate Products Co., New York, N. Y. Folding box. 2,379,665; July 3.

Strang, Harold E., Ardmore, Pa., assignor to General Electric Company. Electric switch. 2,379,761; July 3.

Strassberger, Lothar: *See*—
Serini, A., Köster, and Strassberger.

Strickland, Harold A., Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Adjustable stop mechanism. 2,379,463; July 3.

Stuhlman, Frank A., Forest Park, assignor to Borg-Warner Corporation, Chicago, Ill. Control for platens. 2,379,840; July 3.

Sullman, Samuel D., London, England. Electric battery torch lamp and the like. 2,379,603; July 3.

Sun Rubber Company, The: *See*—
Chisnell, John B., assignor.

Supplee, Franklin N. P., Philadelphia, Pa. Subirrigation device for the propagation of plants. 2,379,549; July 3.

Sutter, Edward R., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill. Detachable shield for foundation garments. 2,379,762; July 3.

Sutton, Mack, Hammond, and C. W. Nysewander, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,379,550; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing benzyl cellulose. 2,379,604; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Benzyl cellulose coating compositions. 2,379,605; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cycloparaffin polymer coating compositions. 2,379,606; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing cycloparaffin type polymers. 2,379,607; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing cycloparaffin type polymers and octylated melamine-formaldehyde resins. 2,379,608; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing coumarone-indene polymers. 2,379,609; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing hydrocarbon polymers. 2,379,610; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Hydrocarbon polymer-containing coating compositions. 2,379,611; July 3.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing benzylated melamine-formaldehyde resins. 2,379,612; July 3.

Swartz, Alexander G., and F. K. Moore, assignors to Albert Specialty Company, Chicago, Ill. Coil winding machine and making wire coils. 2,379,666; July 3.

Sweet, Alva L., and M. O. Bassett, Schenectady, N. Y., assignors to General Electric Company. Resilient support. 2,379,763; July 3.

Swift, Ernest H., Pasadena, Calif. Staining concrete. 2,379,502; July 3.

Sylvester, Evander W.: *See*—
Clinkscale, R. W., Hague, and Sylvester.

Syndicate Products Co.: *See*—
Stone, Noah, assignor.

Talley, Henry A. E., London, England. Apparatus for mixing gases. 2,379,551; July 3.

Taylor, Harold O.: *See*—
Boles, O. W., and Taylor.

Teager, Stephen R., Canton, Ohio. Sander. 2,379,503; July 3.

Teppema, Jan, Cambridge, and J. F. Manning, assignors to B. B. Chemical Co., Boston, Mass. Adhesive compositions. 2,379,552; July 3.

Ter Veen, Louis A. G.: *See*—
White, J. W., and ter Veen.

Texaco Development Corporation: *See*—
Garrison, Alien D., assignor.

Texas Company, The: *See*—
Barron, Joseph M., assignor.
Hare, Donald G. C., assignor.

Thiele, Berthold R., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Latch. 2,379,613; July 3.

Thies, Herman R., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Synthetic rubber compositions. 2,379,464; July 3.

Thomas, Harry E., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation detection. 2,379,764; July 3.

Thomas, Llewellyn H.: *See*—
Cape, A. T., Brassert, and Thomas.

Thomas, Walter E., Jefferson, assignor of one-half to L. W. Griswold, Cooper, Iowa. Boiler feed pump. 2,379,841; July 3.

Thompson, Morris J., Los Angeles, Calif. Dental hydrocolloid conditioning apparatus. 2,379,504; July 3.

Tilton, Russell G., Mountain Lakes, N. J., assignor to Otis Elevator Company, New York, N. Y. Working platform for elevator hoistways. 2,379,553; July 3.

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Angle modulated wave resonance indicator. 2,379,765; July 3.

Trone, Elmer: *See*—
Manning, P. D. V., and Trone.

Tuerck, Karl H. W.: *See*—
Staudinger, H. P., Tuerck, and Brittain.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,379,614; July 3.

Turner, Charles W., and E. P. Reineke, Columbia, assignors to American Dairies, Inc., Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Thyroprotein composition and making the same. 2,379,842; July 3.

Tweeddale, John, Torrance, Calif. Oil smoke generator. 2,379,766; July 3.

Tyler, Richard G., Seattle, Wash. Treating sewage. 2,379,554; July 3.

Union Starch & Refining Company: *See*—
Fetzer, Walter R., assignor.

Union Switch & Signal Company, The: *See*—
Baughman, George W., assignor.

Union Switch and Signal Company, The: *See*—
Crawford, Archibald M., assignor.

United Gas Improvement Company, The: *See*—
Hall, Edwin L., assignor.

United Shoe Machinery Corporation: *See*—
Duplessis, René E., assignor.
Ewart, John M., assignor.
Roberts, William T. B., assignor.

U. S. Electrical Motors, Inc.: *See*—
Myers, Thomas G., assignor.

U. S. Metallic Magnesium Company: *See*—
Forsgren, D. W., and Forsgren, assignors.

United States Rubber Company: *See*—
Ladd, Elbert C., assignor.

Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Brake for heavy vehicles. 2,379,767; July 3.

Van Wynen, Kenneth G., Ramsey, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling system. 2,379,768; July 3.

Varispeed Corporation: *See*—
Nowka, Werner, assignor.

Vermeulen, Theodore: *See*—
Ross, W. E., and Vermeulen.

Vickland, John C.: *See*—
Yerrick, W. D., and Vickland.

Victor Adding Machine Co.: *See*—
Mehan, T. O., and Hooe, assignors.

Vinograd, Jerome R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Rubber compositions and method for retarding the deterioration of rubber. 2,379,769; July 3.

Vollmer, Fritz, Zurich, Switzerland. Device for regulating the delivery of reciprocating compressors. 2,379,667; July 3.

Vollmer, Jacob J., Franklin Square, N. Y. Checker game. 2,379,465; July 3.

Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,379,843; July 3.

Wacker, George W., assignor to Clearing Machine Corporation, Chicago, Ill. Hydraulic circuit for presses. 2,379,668; July 3.

Wagner, E. R., Manufacturing Company: *See*—
Thiele, Berthold R., assignor.

Walker, James D., Aurora, Ill., assignor to The American Well Works. Sewage screening apparatus. 2,379,615; July 3.

Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyglyoxal hydrate. 2,379,555; July 3.

Walker-Wallace, Incorporated: *See*—
Wetherby-Williams, Arthur V., assignor.

Wallace, Bert A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Watchman supervisory automatic telephone system. 2,379,556; July 3.

Wanezek, Anthony R.: *See*—
Bagan, John P., assignor.

War, Government of the United States of America, as represented by the Secretary of, and his successors in office: *See*—
Schreiber, R. P., and Lee, assignors.
Warren, Frederick A., Atlanta, Ga. Fitting for plumbing systems. 2,379,669; July 3.
Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,379,770; July 3.
Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of polyamide structures. 2,379,557; July 3.
Watson, Robert L., McKeesport, Pa. Mold. 2,379,616; July 3.
Watson, Waldon O., North Hollywood, Calif., assignor to Radio Corporation of America. Film marking and mark indicating system. 2,379,505; July 3.
Weidauer, Curtis, Manhasset, N. Y., and K. A. Doehm, West New York, N. J., assignors to S. Briskman, New York, N. Y. Cam assembly. 2,379,771; July 3.
Weinberger, Jan V., Truro, Nova Scotia, Canada. Fiber cutting machine. 2,379,844; July 3.
Welling, Charles E., and H. J. Heap, Bartlesville, Okla., assignors to Phillips Petroleum Company. Removal of acetylene from gases. 2,379,670; July 3.
Wellman, Albert, Scotia, N. Y., assignor to General Electric Company. Electromagnetic relay. 2,379,772; July 3.
West, Herbert J.: *See*—
Franck, Clarence C., assignor.
Heilman, Joseph R., assignor.
Lippart, John, assignor.
Western Electric Company, Incorporated: *See*—
Selvig, John N., assignor.
Westinghouse Electric Corporation: *See*—
Lynch, K. L., and West.
Weston Electrical Instrument Corporation: *See*—
Lederer, Karl M., assignor.
Wetherby-Williams, Arthur V., New York, assignor to Walker-Wallace, Incorporated, Buffalo, N. Y. Heat exchanger. 2,379,671; July 3.
Whatley, Wilson W., II, Dallas, Tex., assignor to F. Phenix, Lafayette, La. Retrievable squeezing tool for walls. 2,379,558; July 3.
White, Jules W., and L. A. G. ter Veen, Marion, Ind., assignors to Farnsworth Television and Radio Corporation. Combined radio and phonograph system. 2,379,617; July 3.
Wildman Mfg. Co.: *See*—
Howie, K., and Krieble, assignors.
Williams, Beverly E., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of animal carcasses. 2,379,845; July 3.
Wilsey, Irven H., Chicago, and J. W. Meaker, Evanston, Ill. Perforation of sheet material by electrical discharges. 2,379,846; July 3.
Wilson, Richard N., Lansing, Mich. Detachable heel for shoes. 2,379,559; July 3.
Wingfoot Corporation: *See*—
Scott, Winfield, assignor.
Thies, Herman R., assignor.
Wisconsin Alumni Research Foundation: *See*—
Gilson, Warren E., assignor.
Wood Newspaper Machinery Corporation: *See*—
Roesen Oscar C., assignor.
Worm, Oscar, Chemnitz, Germany; vested in the Alien Property Custodian. Producing welts. 2,379,773; July 3.
Worthington Pump and Machinery Corporation: *See*—
Sebald, Joseph F., assignor.
Wrigley Pharmaceutical Co., Inc.: *See*—
Smith, Joseph P., assignor.
Wyer, Richard F., Rexford, N. Y., assignor to General Electric Company. Control apparatus. 2,379,774; July 3.
Yerrick, William D., and J. C. Vickland, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Rotor operated washing nozzle. 2,379,506; July 3.
Young, Joseph E., assignor to Couse Laboratories, Newark, N. J. Power take-off. 2,379,775; July 3.
Young, Joseph E., assignor to Couse Laboratories, Newark, N. J. Power take-off. 2,379,776; July 3.
Yundt, Michael, Company: *See*—
Gerlach, Charles L., assignor.
Zappia, Anthony T.: *See*—
Samuelson, O. H., and Zappia.
Zellstra, Maurice L., Richmond, Calif. Welding electrode holder. 2,379,777; July 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Covering mechanism, Cylinder. W. O. Szogren. Re. 22,655; July 3.

Photographic developing machine. G. C. Garraway. Re. 22,654; July 3.

LIST OF DESIGN INVENTIONS

Animal figure toy. W. Smith. 141,771; July 3.
Bottle or similar article, Perfume. J. D. Buckingham. 141,775; July 3.
Bowling ball carrier or the like. H. H. Podjus. 141,742; July 3.
Box, Card display. R. J. Gelinas. 141,760; July 3.
Box for holding an electric shaver or similar article, Display. L. N. Keene. 141,766; July 3.
Brassière. R. O. Ferguson. 141,777; July 3.
Brush or similar article, Suction cleaner. K. H. Wittke. 141,807; July 3.
Brush or similar article, Suction cleaner dusting. K. H. Wittke. 141,802; July 3.
Cabinet, Card display. R. J. Gelinas. 141,761; July 3.
Cabinet, Radio receiver. H. Terrell. 141,792; July 3.
Cap, Closure. W. B. Johnson. 141,764; July 3.
Carton for edibles. L. Benoit. 141,793–4; July 3.
Case, Thermometer. H. Weksler. 141,746; July 3.
Chair. S. Belz. 141,774; July 3.
Cigarette rolling machine. C. S. Combs. 141,751; July 3.
Clip, Clothes. F. Coogler. 141,735; July 3.
Coat. M. Frascino. 141,755–6; July 3.
Costumer. F. T. Paden. 141,786; July 3.
Dickey. S. Mirsky. 141,784; July 3.
Disk dictating machine. C. W. Dann and L. Z. La Forest. 141,776; July 3.
Doll, Clown. J. F. Lowenstein. 141,797; July 3.
Dress. J. Garfinkle. 141,758; July 3.
Envelope blank. V. Bock. 141,731–2; July 3.
Extractor, Juice. J. M. Majewski, Jr., and H. J. Talge. 141,782; July 3.
Game board. H. L. Bundock. 141,733; July 3.
Game board. R. E. Collins. 141,734; July 3.
Game board. F. Erznoznik. 141,754; July 3.
Game board. F. L. Gamblin. 141,759; July 3.
Golf club head. H. P. G. Newsome. 141,769; July 3.
Gun or the like, Dusting. J. W. Baur. 141,730; July 3.
Headdress. M. Kinoses. 141,781; July 3.
Headdress. A. Rainess. 141,800; July 3.
Holder, Collar. I. J. Hopfenberg. 141,763; July 3.
Hose coupling or similar article, Suction cleaner. G. R. Coss. 141,801; July 3.
Ice crusher. J. M. Majewski, Jr., and H. J. Talge. 141,783; July 3.
Jacket or similar article. H. Sices. 141,770; July 3.
Jar or similar article. E. N. Graham. 141,762; July 3.
Juicer, Citrus-fruit. J. P. Quam. 141,788; July 3.
Kettle. G. H. Brown. 141,749; July 3.
Lighter or the like, Pocket. H. Negbaur. 141,785; July 3.
Marker, Highway. H. E. Neal. 141,768; July 3.
Nib section for a fountain pen or similar article. A. Winter. 141,747; July 3.
Nozzle or similar article, Suction cleaner. K. H. Wittke. 141,803–5; July 3.
Pea shooter. A. D. Bloom. 141,748; July 3.
Pin. R. Proctor, Jr. 141,787; July 3.
Pin, Jewelry. A. Brand. 141,796; July 3.
Plaque, Inlay puzzle. S. A. Karlin. 141,740; July 3.
Plaque, Novelty wall. A. P. Lerman. 141,767; July 3.
Rack, Jewelry. M. Sacoder. 141,790; July 3.
Rack or similar article, Display. J. L. Coates. 141,750; July 3.
Rack, Towel. D. Greene. 141,779–80; July 3.
Rattle, Baby. E. T. Fretz. 141,757; July 3.
Receptacle or similar article, Toilet soap. W. C. Quinn. 141,789; July 3.
Router. N. Anderson. 141,729; July 3.
Scale, Weighing. H. Dreyfuss. 141,798; July 3.
Shoe protector. J. Karp. 141,741; July 3.
Shorts, Men's. P. Friedman. 141,778; July 3.
Sock, Ski. H. R. Anderson. 141,773; July 3.
Spectacles, Pair of semirimless. J. J. Rohrbach. 141,743–4; July 3.
Sprayer or similar article. K. H. Wittke. 141,806; July 3.
Stand, Bracelet display. F. Siegel. 141,791; July 3.
Statuette. T. O'Donnell. 141,799; July 3.
Strap, Wrist watch. J. E. Du Bois. 141,753; July 3.
Tieclasp. B. Glastal. 141,738–9; July 3.
Toy dog. J. A. Cramer. 141,752; July 3.
Toy figure. L. C. Boll. 141,795; July 3.
Toy fire engine. C. J. Wood. 141,772; July 3.
Toy roller. W. Smith. 141,745; July 3.
Toy wagon. S. Gilbert and G. Lerner. 141,737; July 3.
Vehicle, Transport. H. C. French. 141,736; July 3.
Water purifier, Electrolytic. T. C. Jones. 141,765; July 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article, Making an. A. G. Scutt. 2,379,544; July 3.
Abrasive tool. R. Ellis. 2,379,569; July 3.
Acetic acid, Manufacture of. H. P. Staudinger, K. H. W. Tuerck, and E. H. Brittain. 2,379,760; July 3.
Acetylene from gases, Removal of. C. E. Welling and H. J. Hepp. 2,379,670; July 3.
Acid recovery process. H. O. Mottern. 2,379,823; July 3.
Acids, Amides of high molecular weight carboxylic. T. F. Bradley. 2,379,413; July 3.
Adhesive compositions. J. Teppema and J. F. Manning. 2,379,552; July 3.
Adjustable tool-holder. F. A. Hartung. 2,379,520; July 3.
Adjusting device. A. J. Stepanoff. 2,379,839; July 3.
Agricultural implement. F. T. Blaydes. 2,379,781; July 3.
Agricultural implement. E. A. Johnston. 2,379,805; July 3.
Aircraft, Rotative winged. R. G. Anderson. 2,379,847; July 3.
Air distribution to burners. T. Kruger. 2,379,490; July 3.
Air motor. B. Cones. 2,379,683; July 3.
Air washer. O. E. Fenn. 2,379,795; July 3.
Aliphatic acids and esters, Chlorination of. Le R. U. Spence and F. O. Haas. 2,379,759; July 3.
Alloy for use in electrolytic cell. D. W. and W. W. Forsgren. 2,379,429; July 3.
Alternating current control or regulating apparatus. W. A. Charbonneaux. 2,379,415; July 3.
Alternating current vernier motor. W. K. McIver. 2,379,732; July 3.
Altimeter. P. P. Saunier, Jr. 2,379,496; July 3.
Aluminum forgings, Making. K. P. Abbe. 2,379,466–7; July 3.
Amplifier circuit. J. R. Ford. 2,379,699; July 3.
Ampule cleansing machine. F. Cozzoli. 2,379,789; July 3.
Angle modulated wave resonance indicator. B. Trevor. 2,379,765; July 3.
Animal carcasses, Treatment of. B. E. Williams. 2,379,845; July 3.
Anode ring motor. E. P. Longerich. 2,379,730; July 3.
Antenna. C. W. Hansell. 2,379,706; July 3.
Antenna, Foldable. H. H. Harsted. 2,379,577; July 3.
Antisubmarine device. H. A. D. Lindsey. 2,379,447; July 3.
Apparatus for feeding and orienting crowned nut or article blanks. E. J. Cole. 2,379,564; July 3.
Apparatus for heating and cooking. W. B. Elmer. 2,379,509; July 3.
Apparatus for making metal articles from metal powder. A. W. Morris. 2,379,540; July 3.
Apparatus for mixing gases. H. A. E. Talley. 2,379,551; July 3.
Apparatus for refining crude petroleum. L. Carter and J. T. Barrow. 2,379,563; July 3.
Apparatus for the application of adhesive to webs. O. C. Roesen. 2,379,495; July 3.
Article conveying apparatus. J. Hohl. 2,379,713; July 3.
Article dispensing device. L. Steiner and P. Settecasi. 2,379,501; July 3.
Article handling device. E. H. Butler. 2,379,622; July 3.
Audio amplifier system and method, Variable gain. R. L. Haynes. 2,379,484; July 3.
Audio frequency compensator circuit. J. L. Hathaway. 2,379,707; July 3.
Automatic regulator. C. S. J. MacNeil, J. F. Haines, T. B. Martin, and K. L. Berninger. 2,379,537; July 3.
Automatic transmission. C. W. Lanphere. 2,389,808; July 3.
Azo dyestuff derivatives of amino-benzo-p-dioxans. R. C. Conn. 2,379,684; July 3.
Azo dyestuff derivatives of 6-amino 1,3 benzodioxan. H. Z. Lecher, J. P. Goulding, and R. P. Parker. 2,379,725; July 3.
Bag: *See*—
  Sleeping bag.
Bandages with improved elastic properties, Producing surgical. C. F. Goldthwait. 2,379,574; July 3.
Bark removing machine. C. F. Knight. 2,379,581; July 3.
Bearing. F. R. Hensel. 2,379,434; July 3.
Bearing unit and lubricating material therefor. L. A. Delp. 2,379,478; July 3.
Bearing and the like. F. R. Hensel. 2,379,435; July 3.
Benzene, Sulphonization of. J. B. Maguire and D. F. Gould. 2,379,585; July 3.
Biurets, Acidyl. A. J. Hill and W. M. Degnan. 2,379,486; July 3.
Blood pressure recorder, Automatic. W. E. Gilson. 2,379,573; July 3.
Bobbin spinning machine and operation, Rayon. G. T. Loveridge and H. E. Carlson. 2,379,813; July 3.
Boiler feed pump. W. E. Thomas. 2,379,841; July 3.
Bolt and mounting therefor. F. W. Shultz. 2,379,752; July 3.
Bottle, Nursing. J. H. Boxley. 2,379,562; July 3.
Box: *See*—
  Folding box. Powder box.
Box. R. V. Burdick. 2,379,679; July 3.
Box. R. V. Burdick. 2,379,680; July 3.
Brake for heavy vehicles. I. R. Valentine. 2,379,767; July 3.
Brake operating mechanism. L. T. Freeman and R. H. Shively. 2,379,796; July 3.
Bullets, Making. J. H. Friedman. 2,379,701; July 3.
Burner: *See*—
  Gas burner.
Butadienes, Polymerization of. C. F. Fryling. 2,379,431; July 3.
Cabinet, incubator, and the like, Heating. M. Bramson. 2,379,474; July 3.
Cable connector. R. W. Clinkscale, W. McL. Hague, and E. W. Sylvester. 2,379,424; July 3.
Cam assembly. C. Weidauer and K. A. Doehm. 2,379,771; July 3.
Camera and range finder. E. L. Fischer. 2,379,698; July 3.
Can assembly. F. G. Silva and W. S. Davenport. 2,379,545; July 3.
Cap for grease fittings. E. M. Kennedy. 2,379,529; July 3.
Cape, Make-up. N. Kase. 2,379,722; July 3.
Capsulating process and apparatus. C. E. Mabbs. 2,379,816; July 3.
Capsules, Process and apparatus for making. C. E. Mabbs. 2,379,817; July 3.
Carbonizing cloth. W. Ridley. 2,379,653; July 3.
Card assembly. A. A. Hoffmann. 2,379,637; July 3.
Carrier attachment for tractors, Stone. L. Gilbert. 2,379,797; July 3.
Carrier for glassware forming apparatus, Plunger. O. H. Samuelson and A. T. Zappia. 2,379,830; July 3.
Carrier in cigar machines, Wrapper. K. E. Granstedt. 2,379,575; July 3.
Catalyst. C. C. Crawford and W. E. Ross. 2,379,687; July 3.
Catalyst and resulting product, Making a. H. Miller. 2,379,736; July 3.
Catalytic and thermal cracking, Combination. J. M. Barron. 2,379,471; July 3.
Catalytic conversion of hydrocarbon oils. C. E. Hemminger. 2,379,711; July 3.
Catalytic conversion system. M. H. Arveson. 2,379,408; July 3.
Catalytic polymerization of unsaturated organic compounds. R. F. Ruthruff. 2,379,656; July 3.
Catalytic production of hydrogenated polymers. R. A. Bannerot, A. H. Boultbee, and B. S. Greensfelder. 2,379,410; July 3.
Centering device for electron guns. S. J. Koch and J. H. Robillard. 2,379,488; July 3.
Centering tool. C. B. Alvis. 2,379,406; July 3.
Centrifugal separator pan. R. W. Muerle. 2,379,647; July 3.
Chain: *See*—
  Silent type chain.
Chair: *See*—
  Folding wheel chair.
Checker game. J. J. Vollmer. 2,379,465; July 3.
Chlorinating polymeric materials. R. G. R. Bacon and W. J. R. Evans. 2,379,409; July 3.
Circuit: *See*—
  Amplifier circuit. Frequency control circuit.
  Audio frequency compensator circuit. Range quadrant identification circuit.
Circuit for presses, Hydraulic. G. W. Wacker. 2,379,668; July 3.
Circuit structure, High frequency. W. Hotine. 2,379,439; July 3.
Circuits, Frequency modulation receiver. M. G. Crosby. 2,379,688; July 3.
Circuits, Frequency modulation detector. W. van B. Roberts. 2,379,748; July 3.
Circulating system, Lubricant. F. B. Hunter. 2,379,579; July 3.

Clamp: *See*—
  Eccentric type steel plate lifting clamp.
Clasp, Necktie and collar. J. H. Longenecker. 2,379,533; July 3.
Cleaning composition. J. D. Morgan and R. E. Lowe. 2,379,851; July 3.
Clip: *See*—
  Conduit supporting clip.
Closure for steam sterilizers. M. Bramson. 2,379,473; July 3.
Clutch: *See*—
  Pneumatic clutch.
Coat garment. J. Federman. 2,379,511; July 3.
Coating composition. J. G. Little. 2,379,812; July 3.
Coating compositions, Benzyl cellulose. R. C. Swain and P. Adams. 2,379,605; July 3.
Coating compositions containing benzyl cellulose. R. C. Swain and P. Adams. 2,379,604; July 3.
Coating compositions containing benzylated melamine-formaldehyde resins. R. C. Swain and P. Adams. 2,379,612; July 3.
Coating compositions containing coumarone-indene polymers. R. C. Swain and P. Adams. 2,379,609; July 3.
Coating compositions containing cycloparaffin type polymers. R. C. Swain and P. Adams. 2,379,607; July 3.
Coating compositions containing cycloparaffin type polymers and octylated melamine-formaldehyde resins. R. C. Swain. 2,379,608; July 3.
Coating compositions containing hydrocarbon polymers. R. C. Swain and P. Adams. 2,379,610; July 3.
Coating compositions, Cycloparaffin polymer. R. C. Swain and P. Adams. 2,379,606; July 3.
Coating compositions, Hydrocarbon polymer-containing. R. C. Swain and P. Adams. 2,379,611; July 3.
Cobalt ores, Refining of. R. B. Schaal. 2,379,659; July 3.
Coffee, Manufacture of dehydrated. W. R. Fetzer. 2,379,427; July 3.
Coil winding machine and making wire coils. A. G. Swartz and F. K. Moore. 2,379,666; July 3.
Coin holder. A. H. Emery. 2,379,695; July 3.
Coin-operated voice recording machine. E. M. Squire. 2,379,548; July 3.
Communication system. F. A. Hubbard. 2,379,715; July 3.
Compact, Dental. E. E. Smith. 2,379,600; July 3.
Compounds. H. C. Miller and R. S. Schreiber. 2,379,821; July 3.
Concrete buildings, Making reinforced. A. W. Hedgren. 2,379,636; July 3.
Concrete, Staining. E. H. Swift. 2,379,502; July 3.
Conduit supporting clip. H. R. Ellinwood. 2,379,568; July 3.
Connector: *See*—
  Cable connector. Electrical connector.
Connector for loud-speakers and the like, Electrical. E. Stanko. 2,379,664; July 3.
Control apparatus. R. F. Wyer. 2,379,774; July 3.
Control for platens. F. A. Stuhlman. 2,379,840; July 3.
Control system, Receiver fidelity. W. R. Koch. 2,379,720; July 3.
Control system. B. Stahmer. 2,379,837; July 3.
Conveying apparatus. C. L. Gerlach. 2,379,571; July 3.
Core retriever. L. F. Smith. 2,379,757. July 3.
Corset. J. J. Kispert. 2,379,444; July 3.
Corset, Uplift. J. J. Kispert. 2,379,445; July 3.
Couplings between resonators and electron streams. W. P. Mason. 2,379,818; July 3.
Curler, Hair. H. H. Klein. 2,379,807; July 3.
Cutter for sheet material, Hole. J. M. Abrams. 2,379,618; July 3.
Dental hydrocolloid conditioning apparatus. M. J. Thompson. 2,379,504; July 3.
Detachable frameless screen. H. P. Richards. 2,379,747; July 3.
Device for automatically preventing motor vehicles from rolling back on grades. A. J. Russell. 2,379,829; July 3.
Device for expelling the contents of collapsible tubes. C. J. Campfens and H. Dalstra. 2,379,475; July 3.
Device for manipulating contact lenses. E. W. Eweson. 2,379,629; July 3.
Device for regulating the delivery of reciprocating compressors. F. Vollmer. 2,379,667; July 3.
Diolefins, Production of. T. W. Evans, R. C. Morris and N. C. Melchior. 2,379,697; July 3.
Diolefins, Production of. G. W. Hearne. 2,379,708; July 3.
Director, Fire. J. W. Allen. 2,379,778; July 3.
Discharge device, Mercury vapor. A. F. Bowles and H. M. Lipsius. 2,379,620; July 3.
Disintegrating cartridge belt. J. M. Ewart. 2,379,510; July 3.
Dispensing device, Beverage. C. W. Lloyd. 2,379,532; July 3.
Dispensing mechanism, Liquid. K. C. Bugg. 2,379,785; July 3.
Display device. C. W. Skogh. 2,379,598; July 3.
Drafting instrument. G. S. Dolgorukov. 2,379,791; July 3.
Dry dock, Floating. J. S. Crandall. 2,379,685; July 3.
Duct system. F. W. Foisy. 2,379,632; July 3.
Eccentric type steel plate lifting clamp. J. C. Renfroe. 2,379,652; July 3.
Electric circuit arrangement employing delay networks. K. W. Pfleger. 2,379,744; July 3.
Electric cutout. G. F. Lincks. 2,379,729; July 3.
Electric switch. R. W. Goff. 2,379,704; July 3.
Electric switch. H. E. Strang. 2,379,761; July 3.
Electrical apparatus. C. A. Stickel. 2,379,602; July 3.
Electrical connector. S. N. Buchanan. 2,379,567; July 3.
Electrical contact element. C. W. Keitel. 2,379,641; July 3.
Electrical remote-reading position-indicating apparatus. A. G. Conrad. 2,379,417; July 3.
Electrode holder. M. Gallo. 2,379,515; July 3.
Electrode welding apparatus. A. W. Baird. 2,379,470; July 3.
Electromagnetic relay. A. Wellman. 2,379,772; July 3.
Electronic amplification. C. B. Fisher. 2,379,513; July 3.
Engine: *See*—
  Internal - combustion engine.
  Self - starting constant pressure internal - combustion engine.
Fabric: *See*—
  Loop-plush fabric.
Fabric and making the same, Knit. M. Nebel. 2,379,649; July 3.
Fabric, Electrically heated. J. A. Hendley. 2,379,580; July 3.
Facsimile apparatus. J. V. L. Hogan. 2,379,438; July 3.
Fastener. K. C. Bugg and H. L. Hart. 2,379,786; July 3.
Feed mechanism, Cartridge power. K. N. Nelson. 2,379,451; July 3.
Feed of exhaust gases to turbo superchargers. A. P. E. Planiol. 2,379,541; July 3.
Feeding device for rock drills. P. A. Lincoln. 2,379,811; July 3.
Fiber cutting machine. J. V. Weinberger. 2,379,844; July 3.
Filaments, Process and apparatus for treating artificial. L. R. Mummery. 2,379,824; July 3.
Film magazine and driving mechanism, Camera. H. C. Cunningham. 2,379,690.
Film marking and mark indicating system. W. O. Watson. 2,379,505; July 3.
Filter: *See*—
  Pressure filter.
Filter. A. C. Kracklauer. 2,379,582; July 3.
Filters, Washing rotating drum. J. A. Selensky. 2,379,754; July 3.
Finishing treatment for felt and felt hat bodies. E. Loy. 2,379,643; July 3.
Firearm. C. E. Simpson. 2,379,461; July 3.
Firebox equipment, Locomotive. C. A. Siegel. 2,379,597; July 3.
Fitting for plumbing systems. F. A. Warren. 2,379,669; July 3.
Fixture, Lighting. E. F. Guth. 2,379,798; July 3.
Flame arrester. J. D. Meikle. 2,379,735; July 3.
Flexible needle sewing machine. M. S. Malek. 2,379,733; July 3.
Flexible pocket receptacle. W. R. Buxton. 2,379,672; July 3.
Float, Fishing. S. R. Blackstone. 2,379,676; July 3.
Flow apparatus for testing pulp freeness, Continuous. C. O. Sisler. 2,379,835; July 3.
Fluid actuated control system. D. MacKenzie. 2,379,536; July 3.
Fluid-pressure-operated means for controlling apparatus at a distance. E. Dodson. 2,379,692; July 3.
Folding box. D. Levkoff. 2,379,726; July 3.
Folding box. N. Stone. 2,379,665; July 3.
Folding wheel chair. S. Duke. 2,379,566; July 3.
Food concentrate and preparation, Soybean. A. A. Kaehler. 2,379,441; July 3.
Footwear. H. W. Cohen. 2,379,681; July 3.
Footwear, Manufacture of. R. H. Fesler. 2,379,480; July 3.
Frequency control circuit. M. G. Crosby. 2,379,689; July 3.
Frequency modulation. H. Tunick. 2,379,614; July 3.
Frequency modulation detection. H. E. Thomas. 2,379,764; July 3.
Front driven motorboat. R. J. Sharp. 2,379,834; July 3.
Fuel burner control means. E. J. Doucet. 2,379,565; July 3.
Furnace for the heating and melting of metals, Electric resistor. P. Pritchard. 2,379,651; July 3.
Garment closure. M. McFarlane. 2,379,815; July 3.
Garment, Figure molding foundation. C. D. Maldoff. 2,379,491; July 3.
Gas burner. S. H. Hobson. 2,379,524; July 3.
Gas proportioning system. O. L. Garretson. 2,379,633; July 3.
Gases and utilizing the same, Compressing. F. R. Russell. 2,379,751; July 3.
Gases, Treatment of. H. Z. Martin. 2,379,734; July 3.
Generator: *See*—
  High-pressure steam generator. Oil smoke generator.

Globe. J. A. Arnold. 2,379,468; July 3.
Glove, Golfer's. N. B. Frost. 2,379,430; July 3.
Golf playing apparatus. W. A. Smith. 2,379,663; July 3.
Goniometer construction. H. G. Busignies and A. G. Richardson. 2,379,422; July 3.
Grain, Milling. V. Borsakovsky. 2,379,677; July 3.
Grease seal, Floating. J. B. Sperry. 2,379,547; July 3.
Grinding fixture for cutters. A. Ringzelll. 2,379,594; July 3.
Guard, Finger. J. B. Chisnell. 2,379,624; July 3.
Guide, Blind. O. E. Edstrom. 2,379,426; July 3.
Guide, Picker stick. E. C. Nichols. 2,379,589; July 3.
Gun. S. Brand. 2,379,784; July 3.
Gun port mounting. A. H. Heineman. 2,379,710; July 3.
Hairspring mounting. W. O. Bennett, Jr., and E. W. Drescher. 2,379,780; July 3.
Halogen-containing compounds, Manufacture of unsaturated. O. W. Cass. 2,379,414; July 3.
Hanger: *See*—
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Harness mechanism for looms. O. V. Payne. 2,379,742; July 3.
Harvester. B. M. Hyman. 2,379,803; July 3.
Harvester. M. J. Mitchell and L. P. Millard. 2,379,822; July 3.
Harvester construction. B. M. Hyman. 2,379,802; July 3.
Hatch cover construction. A. R. Campbell. 2,379,623; July 3.
Heat exchange and temperature control. A. L. Foster. 2,379,481; July 3.
Heat exchange method and apparatus, Distillation. W. T. Hall. 2,379,519; July 3.
Heat exchanger. A. V. Wetherby-Williams. 2,379,671; July 3.
Heater: *See*—
Portable electric heater.
Heating device. C. F. Mendez. 2,379,820; July 3.
Heel for shoes, Detachable. R. N. Wilson. 2,379,559; July 3.
High-pressure steam generator. L. E. Sebald. 2,379,661; July 3.
Hoist, Power. C. R. Smith. 2,379,599; July 3.
Holder: *See*—
Coin holder. Welding electrode holder.
Electrode holder.
Holdfast means for screw bolts. D. W. Johnson. 2,379,804; July 3.
Homogeneous solutions and dispersions of colloids and products so prepared, Preparing nonturbid. F. W. H. Mueller. 2,379,646; July 13.
Hydraulic media for low temperature operations. T. R. Donlan. 2,379,792; July 3.
Hydraulic transmission. I. J. Snader and M. A. Mathys. 2,379,546; July 3.
Hydrocarbon conversion system. M. Sutton and C. W. Nysewander. 2,379,550; July 3.
Hydrocarbons, Desulphurizing. L. W. Royer. 2,379,654; July 3.
Hydrocarbons, Isomerizing. W. E. Ross and T. Vermeulen. 2,379,749; July 3.
Ignition tube timing arrangement. P. L. Spencer. 2,379,462; July 3.
Implement, Fuse handling. N. A. Hemmerling. 2,379,433; July 3.
Indicating signal. H. F. Rempt. 2,379,542; July 3.
Indicator: *See*—
Angle modulated wave Temperature indicator.
resonance indicator.
Indicator. C. W. Parisi. 2,379,591; July 3.
Indicator for remote control deck sockets, Universal. E. L. Hadden. 2,379,517; July 3.
Inductive device, Variable. R. H. Ricker. 2,379,457; July 3.
Insulating sheath on electrical conductor strands. J. N. Selvig. 2,379,756; July 3.
Internal-combustion engine. G. R. Ericson. 2,379,849; July 3.
Internal screw thread lapping machine. A. M. Drake. 2,379,693; July 3.
Iron ores and enhancement of gases, Reduction of. A. T. Cape, H. A. Brassert, and L. H. Thomas. 2,379,423; July 3.
Ironing machine. K. Clark. 2,379,788; July 3.
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Joints for leg supports and artificial limbs in general. M. Meierhofer. 2,379,538; July 3.
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Ketones of the cyclopentano polyhydro phenanthrene series, Manufacture of unsaturated. A. Serini, H. Koster, and L. Strassberger. 2,379,832; July 3.
Knife for axminster looms, Adjustable tuft cutting. A. Palmer. 2,379,740; July 3.
Knitting machine. K. Howie and C. C. Krieble. 2,379,527; July 3.
Knurling machine. L. R. Jensen. 2,379,718; July 3.
Lamp and the like, Electric battery torch. S. D. Sullam. 2,379,603; July 3.
Landing guide system, Instrument. A. G. Kandoian. 2,379,442; July 3.
Lasting machine. W. T. B. Roberts. 2,379,543; July 3.
Latch. B. R. Thiele. 2,379,613; July 3.
Latch bolt hold back. C. Ledin and P. T. Krause. 2,379,810; July 3.
Lathe tool mounting and actuating mechanism. R. G. Le Tourneau. 2,379,583; July 3.
Laundry finishing composition. E. A. Robinson. 2,379,458; July 3.
Lens, Controlled beam headlight. A. L. Chauvet. 2,379,787; July 3.
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Lock device. E. N. Jacobi. 2,379,440; July 3.
Locking spur, Springing nut with. G. W. Plumb. 2,379,593; July 3.
Loop-plush fabric, Production of. M. Nebel. 2,379,852; July 3.
Lubricants. J. D. Morgan. 2,379,850; July 3.
Machine and the like, Mold cutting. R. Atti. 2,379,419; July 3.
Machine for forming capsulating material. R. P. Scherer. 2,379,831; July 3.
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Magnetic field gradient meter. A. W. Hull. 2,379,716; July 3.
Magnetic lifting device. J. W. Seamans. 2,379,596; July 3.
Manufacture of polyamide structures. W. W. Watkins. 2,379,557; July 3.
Mask, Breathing. S. A. Morehouse. 2,379,493; July 3.
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Metallic magnesium from magnesium silicates, Producing. F. J. Hansgirg. 2,379,576; July 3.
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Nail driving and countersinking apparatus, Hand. C. C. Peterson. 2,379,826; July 3.
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Oil smoke generator. J. Tweeddale. 2,379,766; July 3.
Olefin isomerization process. S. H. McAllister. 2,379,731; July 3.
Olefinic hydrocarbons, Recovery of. T. W. Evans. 2,379,696; July 3.
1 - (4-Sulphamylphenyl) - 3 - (4-sulphamylphenylimino)-5-aryl-2-pyrrolidone. M. E. Hultquist. 2,379,639; July 3.
Operating and timing device for laundering machines and the like. C. H. Hays, Jr. 2,379,522; July 3.
Optical work area locator. G. A. Lowden. 2,379,534; July 3.
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Oven, Rotary. C. Herzog. 2,379,485; July 3.
Package. G. H. Ryberg. 2,379,657; July 3.
Packaging machine. E. D. Angell. 2,379,407; July 3.
Padlock, Laminated. J. Hines and L. Segal. 2,379,437; July 3.
Pail, Mop. W. O. Cleveland, Jr. 2,379,476; July 3.
Paper, Manufacturing identifiable. M. S. Kantrowitz and E. J. Gosnell. 2,379,443; July 3.
Parachute construction. P. F. Smith. 2,379,758; July 3.
Parasiticidal preparations. E. C. Ladd. 2,379,723; July 3.
Peat, Winning and preparing. C. A. Friberg. 2,379,570; July 3.
Pen, Fountain. L. A. Brooke. 2,379,421; July 3.
Phonograph pickup. L. J. Bobb. 2,379,782; July 3.
Picker stick support. H. Hoeber. 2,379,525; July 3.
Pigments, Dispersing. R. G. Brown and R. R. Roberts. 2,379,678; July 3.
Pine tar, Treating crude. W. C. Smith. 2,379,662; July 3.
Pipe-cutting machine. J. F. Fall. 2,379,630; July 3.
Piston expanding machine. A. J. Davis. 2,379,627; July 3.

Planter, Seed. C. W. Lanham. 2,379,724; July 3.
Platform for elevator hoistways, Working. R. G. Tilton. 2,379,553; July 3.
Pneumatic clutch. R. S. Philbrick. 2,379,592; July 3.
Polyglyoxal hydrate. J. F. Walker. 2,379,555; July 3.
Polyhydroxy alcohols, Production of derivatives of. D. Geltner. 2,379,703; July 3.
Polymerization products, Preparing. E. Lieber. 2,379,728; July 3.
Porous formations, Increasing the effective permeability of. E. O. Bennett. 2,379,561; July 3.
Portable basketball goal. G. A. Gibson. 2,379,572; July 3.
Portable electric heater. F. Graves. 2,379,705; July 3.
Post construction, Vehicle framing. I. Johnsen, Jr. 2,379,640; July 3.
Powder box. J. P. Smith. 2,379,853; July 3.
Power plant, Elastic fluid. F. Nettel and J. Kreitner. 2,379,452; July 3.
Power take-off. J. E. Young. 2,379,775–6; July 3.
Pressing apparatus for shaping clay and operation. W. J. Miller. 2,379,737; July 3.
Pressure filter. W. O. Damme and R. J. Gabler. 2,379,848; July 3.
Primer manufacture. C. W. Musser. 2,379,450; July 3.
Pulsator for milking machines, Automatic. C. H. Hapgood. 2,379,483; July 3.
Pulverulent material, Handling. N. F. Linn. 2,379,448; July 3.
Pump: *See*—
Boiler feed pump.
Pumping apparatus. J. Mercier. 2,379,539; July 3.
Purifying and degasifying apparatus, Water. J. F. Sebald. 2,379,753; July 3.
Purifying paper pulp, Method and apparatus for. A. Bergès. 2,379,411; July 3.
Radio and phonograph system, Combined. J. W. White and L. A. G. ter Veen. 2,379,617; July 3.
Radio control unit with interference suppression. C. D. Haigis. 2,379,799; July 3.
Radio receiver, Super regenerative. G. E. Banks. 2,379,673; July 3.
Railway mail delivery device. P. Bernstein. 2,379,412; July 3.
Railway signaling system. O. S. Field. 2,379,512; July 3.
Range quadrant identification circuit. L. Norton. 2,379,739; July 3.
Razor, Safety. F. H. Eve and A. E. Clark. 2,379,479; Reaction products of aldehydes and diazine derivatives. G. F. D'Alelio 2,379,691; July 3.
Receiving system, Frequency modulation. W. R. Koch. 2,379,721; July 3.
Receptacle: *See*—
Flexible pocket receptacle.
Record controlled machine. D. W. Rubidge, C. R. Manning, J. D. Hood and J. B. Greene. 2,379,828; July 3.
Record repeater, Phonograph. A. L. Barnes. 2,379,560; July 3.
Recorder and motion-picture camera, Combination sound. B. Kreuzer. 2,379,489; July 3.
Recording and communication apparatus. E. J. Rabenda. 2,379,827; July 3.
Recovery of valuable hydrocarbons. E. L. Hall. 2,379,518; July 3.
Reel seat. J. Heddon. 2,379,578; July 3.
Reflector, Dichroic. G. L. Dimmick. 2,379,790; July 3.
Reflector, Reflex light. P. V. Palmquist. 2,379,741; July 3.
Reflex light reflector. M. L. Gebhard. 2,379,702; July 3.
Regulator: *See*—
Automatic regulator.
Remote control installation. L. Finckh. 2,379,631; July 3.
Remote control system. G. W. Baughman. 2,379,674; July 3.
Resilient support. A. L. Sweet and M. O. Bassett. 2,379,763; July 3.
Resistance element. K. M. Lederer. 2,379,530; July 3.
Riboflavin solution. R. S. Shelton. 2,379,644; July 3.
Rock drills and like structures, Separable connection for. E. J. Bowman. 2,379,472; July 3.
Rubber composition and method for retarding the deterioration of rubber. J. R. Vinograd. 2,379,769; July 3.
Rubber compositions. P. K. Frolich. 2,379,482; July 3.
Rubber compositions, Synthetic. H. R. Thies. 2,379,464; July 3.
Rubber, Treatment of. W. Scott. 2,379,460; July 3.
Safety devices and the like, Thermoelectric. C. V. Hildebrecht. 2,379,712; July 3.
Safety rivet set. W. R. Lawler. 2,379,809; July 3.
Sander. S. R. Teager. 2,379,503; July 3.
Saw grinding device. P. Kiechle. 2,379,642; July 3.
Scaffolding. W. H. Krueger. 2,379,446; July 3.
Scooter, Sea. F. J. Horton. 2,379,526; July 3.
Screen: *See*—
Detachable frameless screen.
Screen. H. E. Smith. 2,379,499; July 3.
Seal, Fluidtight. A. C. Hastings, Jr. 2,379,635; July 3.
Seal members, Making. C. V. Litton. 2,379,584; July 3.
Sealed submersible structure. T. G. Myers. 2,379,648; July 3.
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Selector mechanism for multistack weft replenishing looms. W. C. Howe. 2,379,487; July 3.
Self-starting constant pressure internal-combustion engine. G. A. Stanzel. 2,379,838; July 3.
Separator: *See*—
Vapor separator.
Servo power application to dies of die-casting machines. L. H. Morin. 2,379,738; July 3.
Sewage screening apparatus. J. D. Walker. 2,379,615; July 3.
Sheave mechanism for looms, Harness cord. O. V. Payne. 2,379,743; July 3.
Sheet material by electrical discharges, Perforation of. I. H. Wilsey and J. W. Meaker. 2,379,418; July 3.
Shield for foundation garments, Detachable. E. R. Sutter. 2,379,762; July 3.
Shock absorber. E. F. Rossman. 2,379,750; July 3.
Shoe assembly, Trail. A. P. Buquor. 2,379,621; July 3.
Shuttle, Automatic threading. E. C. Nichols. 2,379,650; July 3.
Signal: *See*—
Indicating signal.
Signal transmission system. D. G. C. Hare. 2,379,800; July 3.
Silent type chain. D. B. Perry. 2,379,825; July 3.
Sintering machine. M. L. Cover. 2,379,418; July 3.
Slab, Floor. J. Roe. 2,379,595; July 3.
Sleeping bag. J. L. Clark. 2,379,416; July 3.
Snubber. R. B. Cottrell. 2,379,626; July 3.
Speed recording apparatus, Vehicle. F. Abell. 2,379,404; July 3.
Spiral tiller. J. P. Bagan. 2,379,469; July 3.
Spoon, Trolling. W. Schmitz. 2,379,660; July 3.
Starter, Engine. J. W. Fitz Gerald. 2,379,428; July 3.
Steering by driving. H. S. Eberhard and G. W. Lewis. 2,379,628; July 3.
Steering wheel. G. R. Micuta. 2,379,492; July 3.
Stock regulator for paper machines. E. A. Poirier. 2,379,746; July 3.
Stop mechanism, Adjustable. H. A. Strickland, Jr. 2,379,463; July 3.
Strands, Handling. J. N. Selvig. 2,379,755; July 3.
Stump-jump mechanism for agricultural implements. R. C. Ash. 2,379,779; July 3.
Subirrigation device for the propagation of plants. F. N. P. Supplee. 2,379,549; July 3.
Suit, Buoyant utility. H. K. Shaw. 2,379,498; July 3.
Suit, Flying. T. J. Sellmeyer. 2,379,497; July 3.
Supercharger system, Engine. D. C. Prince. 2,379,455; July 3.
Support: *See*—
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Telephone system, Watchman supervisory automatic. B. A. Wallace. 2,379,556; July 3.
Temperature indicator. R. P. Schreiber and W. McC. Lee. 2,379,459; July 3.
Testing apparatus, Steam turbine. C. C. Franck. 2,379,700; July 3.
Textile material, Production of a hollow. O. W. Boies and H. O. Taylor. 2,379,783; July 3.
Thyroprotein composition and making the same. C. W. Turner and E. P. Reineke. 2,379,842; July 3.
Time system. A. L. Sprecker. 2,379,836; July 3.
Toasting apparatus. J. R. Heilman. 2,379,709; July 3.
Tocopherols, Preparation of. J. G. Baxter and C. D Robeson. 2,379,420; July 3.
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Centering tool.
Tool for straightening or bending, Automatic press. F. S. Saunders. 2,379,658; July 3.
Tool for wells, Retrievable squeezing. W. W. Whatley, II. 2,379,558; July 3.
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Transmission control in two-way signaling system. K. G. Van Wynen. 2,379,768; July 3.
Transparent bodies with items embedded therein, Manufacturing. R. E. Eenigenburg. 2,379,793; July 3.
Treating sewage. R. G. Tyler. 2,379,554; July 3.
Treatment of wells. A. D. Garrison. 2,379,516; July 3.
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Truck, Railway car. S. B. Haseltine. 2,379,521; July 3.
Turbine, Elastic fluid. G. B. Warren. 2,379,770; July 3.
Twister, Double twist. F. J. Kent. 2,379,806; July 3.
Typewriting machine. R. von Reppert. 2,379,843; July 3.
Vacuum booster for windshield wipers. F. A. Kane, Jr. 2,379,719; July 3.
Vacuums, Method and apparatus for producing. K. C. D. Hickman and G. A. Kuipers. 2,379,436; July 3.
Vapor separator. W. C. Oliver. 2,379,590; July 3.
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Veneer, Machine for cutting. G. and J. Colucci, Jr. 2,379,682; July 3.
Ventilator, Extractor. B. D. Hughes and E. L. Ford. 2,379,638; July 3.

Vitamin product and manufacture. P. D. V. Manning and E. Trone. 2,379,586; July 3.
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Water heater control system. H. M. Biebel. 2,379,675; July 3.
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Window, Storm. C. O. Lewis. 2,379,727; July 3.
Window, Thermally insulated. W. S. K. Smith. 2,379,601; July 3.
Wire, Producing stepped. R. W. Henry. 2,379,801; July 3.
Wringer. E. L. Baker. 2,379,619; July 3.
X-ray of flowers and the like. A. M. McFarland. 2,379,814; July 3.

CLASSIFICATION OF PATENTS

ISSUED JULY 3, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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Patents Nos. 2,379,854 to 2,380,371

THE OFFICIAL GAZETTE OF THE United States Patent Office

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Patents	518	No. 2,379,854 to No. 2,380,371, inclusive.
Designs	62	No. 141,808 to No. 141,869, inclusive.
Total	817	

Adjudicated Patents

(C. C. A. Conn.) Messler reissue patent, No. 18,237, for a cushioning insole, claims 2 to 6 *Held* invalid and not infringed. *Messler* v. *U. S. Rubber Co.*, 148 F.(2d) 734; 65 USPQ 145.

(D. C. Ga.) Matthews reissue patent, No. 21,053, for an awning, claims 3, 4, 5, 9, and 10 *Held* valid but not infringed. *Matthews* v. *Koolvent Metal Awning Co.*, 60 F. Supp. 3; 64 USPQ 456.

(D. C. Mo.) Persons patent, No. 1,726,584, for bellows construction, claims 20 to 24 *Held* infringed. *Cook Elec. Co.* v. *Persons*, 60 F. Supp. 124; 64 USPQ 541.

(D. C. Mo.) Persons patent, No. 1,816,610, for bellows construction, *Held* not infringed. *Id.*

(C. C. A. N. Y.) Frank and Harper patent, No. 2,041,675, for an electrical distribution system, claims 6, 7, 14, and 16 *Held* invalid. *Bulldog Elec. Products Co.* v. *Cole Elec. Products Co.*, 148 F.(2d) 792; 65 USPQ 186.

Disclaimers

Re. 22,322.—*Edward S. Goodridge*, Port Washington, N. Y. INDUCTION HEATING DEVICE. Patent dated May 25, 1943. Disclaimer filed June 7, 1945, by the assignee, *Induction Heating Corp.*

Hereby enters this disclaimer to claims 5, 6, 8, 9, and 10 of said patent.

2,234,196.—*Richard H. Prewitt*, Lansdowne, Pa. PROPELLER OR ROTOR CONSTRUCTION. Patent dated Mar. 11, 1941. Disclaimer filed May 22, 1945, by the patentee.

Hereby enters this disclaimer to claims 4 and 8 of said patent.

2,364,981.—*Didier Journeaux*, Wauwatosa, Wis. ELECTRIC CIRCUIT BREAKER AND METHOD OF OPERATING THE SAME. Patent dated Dec. 12, 1944. Disclaimer filed June 8, 1945, by the assignee, *Allis-Chalmers Manufacturing Company.*

Hereby enters this disclaimer to claims 17, 18, 20, and 21 in said specification.

Board of Appeals—Decisions—Time for Response

U. S. PATENT OFFICE, *Washington, January 28, 1935.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business June 23, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 62,573; Trade-Mark Division, 2,565. Oldest new case, July 18, 1944; oldest amended, July 21, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 11	Nov. 7	913
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 5	Aug. 16	1156
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 15	Sept. 6	1223
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 19	Dec. 21	672
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 18	July 21	1644
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 8	Oct. 7	1110
7. JARBOE, C. G., Optics, Photography	†Feb. 7	†Jan. 29	914
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 9	†Jan. 1	884
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 21	Sept. 9	1129
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 24	†Feb. 12	324
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 7	Aug. 16	1305
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	Dec. 16	691
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Jan. 1	Dec. 28	732
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Oct. 21	Sept. 12	821
16. SPENCER, C. J., Telegraphy; Telephony	Dec. 18	Dec. 19	747
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 7	Aug. 4	573
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 20	1080
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 29	Oct. 7	709
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Dec. 18	†Jan. 9	718
21. THOMPSON, T. J., Textiles	†Jan. 16	†Jan. 5	450
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Oct. 26	Oct. 28	1275
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Dec. 4	137
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 8	†Jan. 2	806
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 12	Oct. 6	937
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 14	Sept. 15	1098
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Sept. 6	Sept. 1	936
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 19	Sept. 5	941
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 4	Oct. 2	1430
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 2	Nov. 11	1147
31. DUNCOMBE, C. S., Hydrocarbons: Mineral Oils	†Feb. 1	†Feb. 1	736
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 18	†Jan. 17	837
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 2	Dec. 8	934
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Oct. 31	Oct. 27	587
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 5	Oct. 3	878
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 12	Nov. 1	663
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 12	Aug. 31	1061
38. KRAFFT, C. F., Coating Processes: Coating or Plastic Compositions (part); Rubber (part)	Oct. 6	Sept. 16	825
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 3	Oct. 18	1173
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 10	Nov. 15	1369
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 14	506
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Dec. 20	Dec. 8	615
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles: Hides, Skins and Leathers; Azo Compounds.	Oct. 31	Oct. 12	747
44. HARVEY, L. P., Refrigeration; Preserving	July 22	July 24	645
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Sept. 15	Oct. 20	1188
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 1	Oct. 9	686
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 27	Dec. 28	948
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Oct. 16	Oct. 16	1099
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 30	Dec. 26	651
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 23	Nov. 23	1435
51. CROCKER, A. W., Radiant Energy; Modulators	Oct. 11	Oct. 19	1697
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 30	Sept. 14	1441
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 22	Sept. 29	1188
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 7	July 26	1232
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery: Laminated Fabrics (part)	Nov. 18	Nov. 8	776
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 12	Sept. 12	980
57. NICOLSON, G. D., Toys: Amusement and Exercising Devices: Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 27	Sept. 22	999
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 29	Dec. 21	723
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Aug. 3	Aug. 4	1368
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces: Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 28	Oct. 20	1029
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 9	963
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 2	Aug. 28	1732
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Sept. 21	Sept. 22	1196
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 21	†Feb. 21	742
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 17	Aug. 18	1266
TRADE-MARKS: RICHMOND, F. A.	†Mar. 27	†May 9	2565
DESIGNS: KALUPY, H. H.	†Apr. 14	†May 25	1156

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WINGS PUBLISHING CO., INC.

No. 4,963. Decided March 5, 1945

[— F.(2d) —; 65 USPQ 123]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES—"MAGAZINE" AND "PERIODICAL."

In connection with appellant's application for the registration of a trade-mark for a "magazine of cartoons," which was rejected on the basis of a registration of a trade-mark for a "periodical publication," *Held* that "magazine" is embraced within the meaning of the term "periodical," and the terms are synonymous; that both terms describe publications; and that "the fact that appellant chose to use 'magazine' rather than 'periodical' is of no moment in considering the question of whether appellant's publication has the same descriptive properties as the publication of the reference."

2. SAME—REGISTRATION—TITLES OF PUBLICATIONS.

With respect to the registration as technical trade-marks of the titles or names adopted by publications such as newspapers and magazines, *Held* that "it has become the settled practice to grant such registrations in cases where it is deemed proper so to do, measuring the applications for same by the statutory provisions and the rules and regulations conforming thereto as applied to all types of goods and merchandise."

3. SAME—GOODS OF THE SAME DESCRIPTIVE PROPERTIES—PUBLICATIONS.

"The 'merchandise' to which applicant applies the mark of the application is a periodical within the common meaning of that term. So is the 'merchandise' to which the registered mark is applied. Hence the 'merchandise' broadly is identical. It may be that there are differences in the nature of the contents of the respective publications, but the marks are not for application to the contents, but to the publications themselves. They constitute titles. The nature of the contents may vary in each from month to monh, and we are unable to see upon what basis the contents of a single issue, or even a plurality of issues, may be taken as a criterion in considering the question of descriptive properties."

4. SAME—REGISTRABILITY.

Appellant's application for the registration, as a trade-mark for a "magazine of cartoons," of the notation "WINGS COMICS," the latter word being disclaimed apart from the mark shown, and the former word being imposed upon a drawing representative of wings, *Held* properly rejected on the basis of a registration of the word "WINGS" as a trade-mark for a "periodical publication."

APPEAL from the Patent Office. Affirmed.

Mr. Lester L. Sargent for Wings Publishing Co., Inc.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Commissioner of Patents, speaking through an Assistant Commissioner (58 USPQ 428), affirming the decision of the Examiner of Trade-Marks, denying appellant's application, filed July 15, 1942, for the registration, as a trade-mark for a "Magazine of Cartoons," of the notation "WINGS COMICS," the latter word being disclaimed apart from the mark shown, and the former word being imposed upon a drawing representative of wings.

It appears that appellant's magazine is a monthly publication.

The rejection was based upon registration No. 231,542, under date of August 23, 1927, of the word "WINGS," in the name of The Literary Guild of America, Inc., as a trade-mark for a "PERIODICAL PUBLICATION."

We note from the record that appellant's application as originally filed described the publication upon which the mark was applied as a "periodical," and that after preliminary rejections by the Examiner based upon the registration cited, and prior to his final rejection, the description was amended by striking "periodical" and substituting therefor "Magazine of Cartoons."

[1] "Magazine," as the term is used here, is embraced within the meaning of the term "periodical," and, so far as this case is concerned, the terms are synonymous. In other words, both terms describe publications, and the fact that appellant chose to use "magazine" rather than "periodical" is of no moment in considering the question of whether appellant's publication has the same descriptive properties as the publication of the reference.

Appellant apparently makes no contention to the contrary, but contends, in effect, that the respective periodicals are not goods of the same descriptive properties because, notwithstanding the resemblance of the respective titles, the contents of the respective publications are of an entirely different nature.

In his decision affirming that of the Examiner of Trade-Marks, the Commissioner said, inter alia:

> Registration has been refused in view of a prior registration to another of the word "Wings," the registration stating the mark to be appropriated to a periodical publication. No particular type or character of periodical publication is specified in the registration.
>
> Applicant asserts the registrant of said registration applies the mark "Wings" to a magazine, published monthly by said registrant, devoted to information about newly published books, as shown by a copy of such publication which applicant filed at the hearing of this appeal. Applicant contends that in view of the differences in type and character between this publication and a magazine of cartoons and the differences between the mark of the registration and the mark applicant seeks to register, registration of applicant's mark should be granted. However, it seems to me that here the proper comparison is between the goods as named respectively in the application and in the registration. *General Foods Corporation* v. *Cassin Company of America, Inc.*, 27 C. C. P. A. 797, 108 Fed.(2d) 261, 515 O. G. 562, and since a magazine of cartoons is a periodical publication I consider the cited registration to be for the identical goods named in the application.
>
> The word "Wings" is unquestionably the dominating feature of applicant's mark. That word is the entire mark of the cited registration and in my opinion the marks as applied to the respective goods are clearly confusingly similar.

Appellant's reasons of appeal in effect allege error in view of the differences in the type and character of the contents of the respective periodicals, and also in the holding that the respective marks themselves are confusingly similar.

[2] We think it properly may be said that the matter of registering as technical trade-marks the titles or names adopted by publications such as newspapers and magazines has presented numerous perplexing questions in the past, and that there has

been doubt on the part of some as to whether the Congress, in passing the Trade-Mark Registration Act of February 20, 1905, and the subsequent amendments thereto, contemplated such registrations. The instant case, however, does not present a record which would render necessary or proper a consideration of that question. It is sufficient to say that it has become the settled practice to grant such registrations in cases where it is deemed proper so to do, measuring the applications for same by the statutory provisions and the rules and regulations conforming thereto as applied to all types of goods and merchandise.

The pertinent statutory provisions applicable here are embraced in the language of the Trade-Mark Registration Act of February 20, 1905 (15 U. S. C., sec. 85), reading (the italics being supplied):

> That no mark by which the goods of the owner of the mark *may be distinguished from other goods of the same class* shall be refused registration * * * *Provided*, That trade-marks * * * which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered.

[3] The "merchandise" to which applicant applies the mark of the application is a periodical within the common meaning of that term. So is the "merchandise" to which the registered mark is applied. Hence the "merchandise" broadly is identical. It may be that there are differences in the nature of the contents of the respective publications, but the marks are not for application to the contents, but to the publications themselves. They constitute titles. The nature of the contents may vary in each from month to month, and we are unable to see upon what basis the contents of a single issue, or even a plurality of issues, may be taken as a criterion in considering the question of descriptive properties.

It may be conceded that the disclaimed word "COMICS" in appellant's application is some indication of the nature of the contents of the magazine, but we are not aware of any reason why the magazine may not contain matter other than comics if the publisher chooses, nor are we aware of any reason why the publisher of the periodical named simply "WINGS" may not publish comics in its columns.

We think it clear that the "merchandise" of the application possesses the same descriptive properties as the "merchandise" of the registration.

We also think it clear that the Commissioner's holding that "WINGS" constitutes the dominant feature of appellant's mark is correct. The pictorial representation of wings upon which the word is imposed, if its serves any purpose at all, seems to us merely to add to the dominant character defined.

[4] It is our view that appellant's application was properly rejected.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,479,664, A. H. Martin, Towel cabinet; 2,193,589, A. C. Grunwald, Towel cabinet and mechanism therefor, filed May 17, 1945, D. C., N. D. Ill., E. Div., Doc. 45c716, *B. E. Colburn, et al* v. *Steiner Sales Co.*

1,542,469, B. Nelson, Automobile fender, D. C., N. D. Ill., E. Div., Doc. 3668, *B. Nelson* v. *Ford Motor Co., et al.* Dismissed for want of equity Mar. 31, 1945.

1,630,921, J. C. Birley, Windshield cleaner, filed May 12, 1945, D. C. Wis (Milwaukee), Doc. 2295, *No Sleet Windshield Heater Co.* v. *General Motors Corp., et al.*

1,679,317, 1,681,671, G. E. Marlatt, Typographical machine, filed May 22, 1945, D. C., S. D. Calif., C. Div., Doc. 4482–H, *G. E. Marlatt* v. *Mergenthaler Linotype Co.*

1,681,671. (See 1,679,317.)

1,728,509, S. E. Rahe, Match book, D. C., S. D. N. Y., Doc. 28/194, *S. E. Rahe* v. *Lion Match Co., Inc.* Stipulation of discontinuance May 16, 1945.

1,917,262, P. E. Hawkinson, Apparatus for retreading tire casings; Re. 21,956, same, Method of retreading tire casings, C. C. A., 6th Cir., Doc. 9851, *P. E. Hawkinson Co.* v. *Safety Retreading & Vulcanizing Co.* Claim 1 of 1,917,262 and claims 1 and 6 of Reissue held valid and infringed May 23, 1945.

1,940,847, H. I. Danziger, Apparatus for winding coil condensers, D. C., S. D. N. Y., Doc. 13/2, *Condenser Corp. of America* v. *Solar Mfg. Corp., et al.* Consent order dismissing action June 1, 1945.

1,944,571, W. E. Rahm, Molding machine; 2,225,672, C. C. Webb, Apparatus for molding plastic articles; 2,226,326, A. A. Scott, Molding machine, D. C. Md., Doc. 2198, *Wheeling Stamping Co., et al.* v. *Standard Cap & Moulding Co.* Complaint dismissed May 31, 1945.

1,959,140, S. Peterson, Tool holder, D. C., E. D. Mich., S. Div., Doc. 4502, *S. Peterson* v. *Screw Machine Tool Co.* Stipulation and judgment dismissing cause (notice May 18, 1945).

2,088,130, Broering & Kite, Tire retreading mold, D. C., S. D. Calif., C. Div., Doc. 3579–RJ, *Ben Heer* v. *F. T. Linstrom, et al.* Claims 4, 5, 6 and 7 held invalid for lack of novelty and invention; claims 4, 5, 6 and 7 held invalid because they are based on new matter added to original application after it was filed in Patent Office and were not supported by oath; bill dismissed (notice May 22, 1945).

2,168,756, D. B. Almutt, Acid resist powder for use in etching, filed May 10, 1945, D. C., E. D. N. Y., Doc 5371, *P. A. Hunt Co.* v. *Mallinckrodt Chemical Works.*

2,177,627, R. G. Drew, Adhesive sheeting, filed May 31, 1945, D. C., N. D. Ill., E. Div., Doc. 45c862, *Minnesota Mining & Mfg. Co.* v. *Freydberg Bros.-Straus, Inc.*

2,193,589. (See 1,479,664.) 2,225,672. (See 1,944,571.)

2,226,326. (See 1,944,571.)

2,246,387. (See Re. 22,207.)

2,248,467, J. Scilken, Refrigerated display fixture for food, C. C. A., 2d Cir., Doc. 19,617, *J. Scilken* v. *Leonard's Catering, Inc., et al.* Decree reversed and dismissed (notice June 4, 1945).

2,265,010. (See Re. 22,207.)

2,286,650, 2,342,013, O. Sandlin, Machine for plucking poultry, filed May 24, 1945, D. C., E. D. Pa., Doc. 4800, *Whistler Picking Machine Co.* v. *National Mfg. Co.*

2,290,389, D. Slotsky, Fastening means for rimless glasses, D. C., N. D. Ohio, E. Div., Doc. 22,181, *D. Slotsky* v. *The Rooney Optical Co.* Order dismissing case May 15, 1945.

2,328,219, E. H. Land, Light polarizer and process of manufacture, filed May 29, 1945, D. C., S. D. N. Y., Doc. 31/450, *Polaroid Corp.* v. *Polarized Products Corp., et al.*

2,342,013. (See 2,286,650.)

2,356,009. (See Re. 22,207.)

2,365,263, H. Z. Gora, Rotary hydraulic pressure device, filed May 10, 1945, D. C. Conn. (New Haven), Doc. 1420, *H. Z. Gora* v. *Jenkins Bros.*

2,367,302, Moore & Kirchmeyer, Bisulphite derivatives of 2-methyl-1,4-napthoquinone and the like, filed May 10, 1945, D. C., E. D. N. Y., Doc. 5285, *Abbott Laboratories* v. *Endo Products, Inc.*

Re. 20,024 (*a*), M. J. Kohler, Apparatus for treating nuts, D. C., N. D. Ill., E. Div., Doc. 43c423, *National Nut Co. of Calif.* v. *Kelling Nut Co., et al.* By stipulation cause dismissed with prejudice May 24, 1945.

Re. 20,024 (*b*), M. J. Kohler, Apparatus for treating nuts; Des. 89,347, same, Nut buttering machine, D. C., N. D. Ill., E. Div., Doc. 15,637, *National Nut Co. of Calif.* v. *The Susu Nut Co.* By stipulation cause dismissed with prejudice May 24, 1945.

Re. 21,053, A. T. Matthews, Awning, filed May 24, 1945, D. C., S. D. Tex. (Houston), Doc. 1756, *A. T. Matthews, et al.* v. *Ventilated Redwood Awning Co.*

Re. 21,956. (See 1,917,262.)

Re. 22,073. (See Re. 22,207.)

Re. 22,074. (See Re. 22,207.)

Re. 22,166. (See Re. 22,207.)

Re. 22,207, Re. 22,166, Re. 22,073, Re. 22,074, 2,265,010, P. Schwarzkopf, Production of hard metal alloys, especially tools; 2,246,387, same, Sintered hard metal alloys, in particular for tools; 2,356,009, same, Process for manufacturing hard metal compositions, filed May 31, 1945, D. C. Del., Doc. 606, *Kennametal, Inc.*, v. *American Cutting Alloys, Inc.*

Des. 89,347. (See Re. 20,024 (*b*).)

Des. 125,460, C. C. Waterbury, Diaphragm inserter, D. C., N. D. Ill., E. Div., Doc. 44c534, *Diaphram & Chemical Co.* v. *H. T. Milgrim.* By stipulation complaint and counterclaim dismissed with prejudice April 30, 1945.

Des. 137,073, E. J. Brumder, Gardenia mount, filed May 15, 1945, D. C., S. D. Calif., C. Div., Doc. 4459–H, *W. A. Rojahn* v. *Underwriter's Salvage Co. of New York, Inc., et. al.*

Des. 138,783, B. Sheinbaum, Dress, filed May 14, 1945, D. C., S. D. N. Y., Doc. 31,159, *Blanche Ann Classics* v. *Dorothy Hubbs, Inc., et al.*

Des. 139,531, Stile & Eisenberg, Shoe, filed May 11, 1945, D. C., S. D. N. Y., Doc. 31,141, *R. Stile, et al.* v. *I. Abrams.*

Des. 139,679, S. E. Dahlquist, Toy gun, filed June 1, 1945, D. C., W. D. Mich. (Grand Rapids), Doc. 643, *S. E. Dahlquist* v. *M. C. Miner.*

T. M. 35,089, General Electric Co., Electrical machinery, filed May 17, 1945, D. C., N. D. Ill., E. Div., Doc. 45c714, *General Electric Co.* v. *A. E. Bonner.*

Plant 203, 210, 220, B. A. Bourne, Sugar cane, suit filed April 13, 1945, D. C., S. D. Fla. (Orlando), Doc. 249, *B. A. Bourne* v. *J. Tiedtke.*

Plant 210. (See Plant 203.)

Plant 220. (See Plant 203.)

Register of Patents Available for Licensing or Sale

Pat. 2,298,747. REFUSE COMPACTING APPARATUS. Patented Oct. 13, 1942. Refuse compacting apparatus for garbage trucks or the like having means moving rearwardly to push, roll and compact the refuse. Can also aid in dumping and is operable by the same apparatus that furnishes the pressure for the hydraulic lift that dumps the body. (Owner) Dudley C. Agar, 5501 Walnut St., Pittsburgh 6, Pa. Groups 35—63; 39—21. Reg. No. 22.

Pat. 2,043,998. SAFETY RAZOR AND RAZOR BLADE. Patented June 16, 1936. Safety razor and razor blade, the blade having a series of angular teeth to facilitate angular or oblique shaving action. (Owner) Demosthenes B. Hadjopoulos, 1014 Metcalf Bldg., Orlando, Fla. Group 33—51. Reg. No. 23.

Pat. 2,340,737. ELECTRIC IRON WITH PILOT LIGHT. Patented Feb. 1, 1944. An electric iron with a pilot light mounted on the iron, and insulated from the heat, the light to indicate whether or not the current is on. (Owner) William W. Coons, 17 Cedar St., New Britain, Conn. Groups 35—81; 36—21. Reg. No. 24.

Pat. 2,352,090. FOLDING CHAIR. Patented June 20, 1944. A foldable chair, the back, legs and seat structure being detachable and collapsible into an elongated assembly of small dimensions whereby all parts may be boxed in a cylindrical container. (Owner) James Faller, 143 W. 103d St., New York 25, N. Y. Group 25—11—14—31. Reg. No. 25.

Pat. 2,302,776. STEERING GEAR BOOSTER. Patented Nov. 24, 1942. Steering gear booster to provide an increased ratio of drive between the steering wheel and the steering column. (Owner) Albert H. Kemper, 630 Salem Ave., Dayton, Ohio. Group 38—31. Reg. No. 26.

Pat. 2,179,692. MACHINE FOR SHAPING FORMS FROM FABRIC MATERIALS. Patented Nov. 14, 1939. A machine to produce shaped articles such as hollow articles, hat forms, and containers for enclosing different kinds of glassware, accessories, tools, etc., from a sheet of fabric material. Also means for stiffening or softening the material to be shaped. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Groups 26; 25—89. Reg. No. 27.

Pat. 1,980,856. MACHINE FOR FORMING FABRICATIONS FROM STRIP MATERIAL. Patented Nov. 13, 1934. A machine, with an attachment therefor, to provide for the automatic feeding and control of a strip of material, such as braided straw, continuously into the machine forming the body of a hat or similar article. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 35—89. Reg. No. 28.

Pat. 2,012,603. RADIO REMOTE CONTROL AND AUTOMATIC TUNING. Patented Aug. 27, 1935. A remote control device to actuate a tuning element and arrest the tuning element at any point. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 36—61. Reg. No. 29.

Pat. 2,043,744. ELECTRICAL DEVICE. Patented June 9, 1936. An electrical control device in which a vibrating armature causes rotation of a radio tuning dial or other rotatable element. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 36—61. Reg. No. 30.

Pat. 1,967,816. REMOTE RADIOCONTROL. Patented July 24, 1934. A device affixed to the tuning mechanism of a radio actuated by a push button or switch, positioned either locally or remotely in relation to the radio, until a desired station is heard, then releasing the push button or switch and program continues. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 36—19—61. Reg. No. 31.

Pat. 1,967,817. METHOD AND SYSTEM FOR TRANSMITTING AND RECEIVING PICTURES. Patented July 24, 1934. Method and apparatus for automatic synchronization and the sending and receiving of picture impulses over a single circuit. Eliminates separate synchronizing circuits. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 36—61. Reg. No. 32.

Pat. 2,222,432. AUTOMATIC VOLUME CONTROL. Patented Nov. 19, 1940. A unit involving a single electrical control to actuate a motive power device to drive a radio tuning element to a preselected station and vary the volume control until the desired volume is obtained. (Owner) Harry Bricker Fuchs, 193 Broad St., New London, Conn. Group 36—61. Reg. No. 33.

Pat. 2,129,810. LOCKING AND LATCHING MEANS. Patented Sept. 13, 1938. A locking device for drawers or the like, consisting of a matching knob, having a concealed key and spring means operable only when the knob is used in a certain manner. Eliminates visible keyholes. (Owner) Arthur M. Bier, 245 West 74th St., New York 23, N. Y. Groups 25—19—41; 33—59. Reg. No. 34.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., June 6, 1945.*

Browning-Drake Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by David Bogen Company, Inc., 663 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Browning-Drake Corporation, 110 Brookline St., Cambridge, Mass., No. 243,872, dated July 3, 1928, and the notice of such proceeding sent by registered mail to the said Browning-Drake Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Browning-Drake Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Goldstein & Lall, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John L. Priess, 82 W. Washington St., Chicago, Ill., to effect the cancellation of trade-mark registration of Goldstein & Lall, 163 West 23rd St., New York, N. Y., No. 378,429, dated June 11, 1940, and the notice of such proceeding sent by registered mail to the said Goldstein & Lall at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Goldstein & Lall, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Health Candies, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Candymasters Incorporated, 3–5 N. 15th St., Minneapolis, Minn., to effect the cancellation of trade-mark registration of Health Candies, Inc., 2720 S. W. 28th Lane, Riverside Station, Miami, Fla., No. 288,759, dated November 3, 1931, and the notice of such proceeding sent by registered mail to the said Health Candies, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Health Candies, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE, for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 23, 1945.*

Deutz & Ortenberg, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Maison France, 101 West 37th St., New York 18, N. Y., to effect the cancellation of trade-mark registration of Deutz & Ortenberg, Inc., 2 West 33d St., New York, N. Y., No. 185,361, dated June 10, 1924, and the notice of such proceeding sent by registered mail to the said Deutz & Ortenberg, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Deutz & Ortenberg, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 10, 1945

[VOL. 576. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 476,058. HEWITT RUBBER CORPORATION, Buffalo, N. Y. Filed Nov. 3, 1944.

RESTFOAM

FOR LATEX FOAM IN THE FORM OF SHEETS AND UNFINISHED MOLDED SHAPES.
Claims use since Oct. 16, 1944.

Ser. No. 476,059. HEWITT RUBBER CORPORATION, Buffalo, N. Y. Filed Nov. 3, 1944.

REST-TEX

FOR LATEX FOAM IN THE FORM OF SHEETS AND UNFINISHED MOLDED SHAPES.
Claims use since Oct. 16, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 465,951. MORRIS LADENBURGER, doing business as Mola Novelty Company, New York, N. Y. Filed Dec. 21, 1943.

MOLA

FOR LEATHER WALLETS AND PURSES.
Claims use since October 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 469,385. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Apr. 17, 1944.

CANRITE

FOR CLEANING COMPOUND IN POWDERED FORM FOR USE IN CLEANING MILK CANS.
Claims use since Dec. 28, 1943.

Ser. No. 479,052. SHELL UNION OIL CORPORATION, San Francisco, Calif. Filed Jan. 26, 1945.

TEEPOL

FOR DETERGENT PREPARATION FOR THE CLEANING OF FABRICS, WOODWORK, METAL-WORK, GLASSWARE AND CERAMICS.
Claims use since Nov. 15, 1944.

Ser. No. 479,768. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

C-Z

The lining on the drawing represents shading.
FOR CLEANING COMPOUND FOR GENERAL USE HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since July 22, 1935.

Ser. No. 479,771. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

KLEN-KLOR

FOR CLEANSER FOR WASHING GLASSWARE, DISHES AND OTHER EATING UTENSILS, HAVING INCIDENTAL DISINFECTING PROPERTIES.
Claims use since Aug. 5, 1939.

Ser. No. 479,775. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

SHINE-X

No claim is made to the word "Shine" apart from the mark as shown.
FOR LIQUID GLASS CLEANER.
Claims use since Sept. 12, 1936.

Ser. No. 480,875. PIONEER SOAP COMPANY, INC., San Francisco, Calif. Filed Mar. 13, 1945.

POPPY

FOR SOAP FLAKES, GRANULATED SOAP, SOAP POWDER, BAR SOAP, DETERGENT POWDER, DISH WASHING COMPOUND.
Claims use since Jan. 1, 1915.

Ser. No. 480,981. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Mar. 16, 1945.

SUDAY

FOR DETERGENT PREPARATION USED AS AN AID TO SOAP AND AS A WATER SOFTENER.
Claims use since Mar. 5, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 464,603. MARY DUNHILL, INC., New York, N. Y. Filed Nov. 2, 1943.

escape

FOR PERFUME.
Claims use since Oct. 18, 1943.

Ser. No. 467,480. N. S. WEST, Baltimore, Md. Filed Feb. 16, 1944.

SEA-LAND-LAX

No claim is made to the word "Lax" apart from the mark as shown.
FOR LAXATIVES.
Claims use since Feb. 10, 1944.

Ser. No. 471,198. SHARPLES CHEMICALS INC., Philadelphia, Pa. Filed June 13, 1944.

ORTHOPHEN

FOR ORGANIC CHEMICALS WHICH ARE SUBSTITUTION PRODUCTS OF HYDROXY AROMATIC HYDROCARBONS, INCLUDING ALKYL PHENOLS, AND ARE USEFUL AS ANTISEPTICS, INSECTICIDES, ANTI-OXIDANTS, CHEMICAL INTERMEDIATES, AND IN OTHER APPLICATIONS IN THE CHEMICAL ARTS.
Claims use since Mar. 6, 1944.

Ser. No. 474,460. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Sept. 21, 1944.



FOR FACE POWDERS, PERFUMES, TOILET WATERS, ROUGES, LIPSTICKS, FACE CREAM, AND DUSTING POWDERS.
Claims use since Sept. 14, 1944.

Ser. No. 474,847. CASPER LUBRICANTS, INCORPORATED, New York, N. Y. Filed Oct. 3, 1944.

FLEXITE

FOR CONCENTRATES, A MIXTURE OF PRIMARY, SECONDARY AND TERTIARY ALCOHOLS, KETONES AND LACTONES FOR DISSOLVING GUM AND CARBON BINDING MATERIAL.
Claims use since Dec. 2, 1937.

Ser. No. 475,376. SHARPLES CHEMICALS INC., Philadelphia, Pa. Filed Oct. 16, 1944.

VULTAC

FOR ORGANIC CHEMICALS WHICH ARE SULFIDES OF PHENOLS AND SUBSTITUTED PHENOLS, AND ARE USEFUL AS PLASTICIZERS, VULCANIZING AGENTS AND AGE RESISTERS IN THE MANUFACTURE OF RUBBER AND RUBBER PRODUCTS, AND FOR OTHER PURPOSES IN THE CHEMICAL ARTS.
Claims use since Aug. 15, 1944.

Ser. No. 478,511. HAPPY DAY COMPANY, INC., Lafayette, La. Filed Jan. 11, 1945.

HADACOL

FOR DIETARY SUPPLEMENT CONTAINING VITAMINS B^1, B^2 AND NIACIN.
Claims use since July 28, 1944.

Ser. No. 478,906. SHELL UNION OIL CORPORATION, San Francisco, Calif. Filed Jan. 22, 1945.

24M6B

FOR CHEMICAL ANTIOXIDANT.
Claims use since Dec. 4, 1944.

Ser. No. 479,301. PHILADELPHIA CAPSULE CO., INC., Philadelphia, Pa. Filed Feb. 1, 1945.

OVESITANS

FOR MEDICINAL COMPOUND USED TO INCREASE METABOLISM AND DECREASE OBESITY.
Claims use since Oct. 15, 1928.

Ser. No. 480,052. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed Feb. 21, 1945.

DURELEX

FOR ION EXCHANGE MATERIALS OF THE ZEOLITE TYPE SUITABLE FOR USE AS WATER SOFTENING AGENTS.
Claims use since Jan. 2, 1945.

Ser. No. 480,192. LIONEL GORDON ROTHSCHILD, doing business as Lionel Gordon, Dallas, Tex. Filed Feb. 24, 1945.

Minute Man

The word "Man" is disclaimed apart from the mark shown.
FOR AFTER-SHAVING LOTION, HAIR DRESSING, DEODORANT, TALCUM POWDER AND COLOGNE.
Claims use since Oct. 17, 1944.

Ser. No. 480,619. PHILADELPHIA CAPSULE CO., INC., Philadelphia, Pa., Filed Mar. 7, 1945.

PHILCAPCO

FOR MEDICINAL COMPOUND USED TO INCREASE METABOLISM AND DECREASE OBESITY.
Claims use since Feb. 12, 1945.

Ser. No. 480,738. JACQUELINE COCHRAN, Roselle, N. J. Filed Mar. 10, 1945.

PINK DART

Applicant hereby disclaims any exclusive right to the use of the word "Pink" apart from the mark as shown.
FOR LIPSTICK.
Claims use since Mar. 5, 1945.

Ser. No. 480,870. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Mar. 13, 1945.

INTRAHEPTOL

FOR LIVER SOLUTION TO BE USED FOR INJECTION INTRAVENOUSLY IN THE TREATMENT OF CIRRHOSIS OF THE LIVER AND SIMILAR LIVER DISEASES.
Claims use since Dec. 28, 1944.

Ser. No. 481,028. SHAFT LABORATORIES, Brooklyn, N. Y. Filed Mar. 17, 1945.

E-RAT-I-CATOR

Applicant disclaims the word "Rat" apart from the mark shown.
FOR RAT POISON.
Claims use since Feb. 1, 1945.

Ser. No. 481,139. GALEN COMPANY, Berkeley, Calif. Filed Mar. 21, 1945.

Galen

The word "Galen" was the name of a celebrated early Greek physician, philosopher, and inventor, after whom the practices he established have been named.
FOR ELIXIRS, TONICS, ADSORBATES, TABLETS, PILLS, VIALS AND AMPOULES CONTAINING ONE OR MORE VITAMINS AND/OR FILTRATE FACTORS.
Claims use since January 1934.

Ser. No. 481,467. COTY, INC., New York, N. Y. Filed Mar 29, 1945.

SALAMBO

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Mar. 20, 1945.

Ser. No. 481,582. LENTHERIC, INCORPORATED, New York, N. Y. Filed Mar. 31, 1945.

ORKILIA

FOR FACE POWDER.
Claims use since June 1941.

Ser. No. 481,612. CASTILIAN PRODUCTS CORPORATION, Hollywood, Calif. Filed Apr. 2, 1945.

HUNTRESS

FOR PERFUME.
Claims use since Feb. 16, 1945.

Ser. No. 481,632. INTERSTATE LABORATORIES, INC., Louisville, Ky. Filed Apr. 2, 1945.

OCULINE

FOR MEDICATED EYE PADS, EYE SALVE, EYE DROPS, AND EYE BATH.
Claims use since June 1, 1908.

Ser. No. 481,797. NIAGARA SPRAYER AND CHEMICAL CO., INC., Middleport, N. Y. Filed Apr. 6, 1945.

COPOTEX

FOR INSECTICIDAL COMPOSITION FOR USE ON PLANTS.
Claims use since April, 1927.

Ser. No. 481,850. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 7, 1945.

SEERSUCKER

FOR PERFUMES, TOILET WATERS AND COSMETIC CREAMS.
Claims use since Feb. 26, 1945.

Ser. No. 482,256. ROBERT E. PARRISH, doing business as Worth Pharmacal Company, Fort Worth, Tex. Filed Apr. 17, 1945.

- NEO - KERAZOLE

FOR PREPARATION FOR THE TREATMENT OF BOVINE KERATITIS (PINK EYE) AMONG CATTLE AND OTHER LIVE STOCK.
Claims use since July, 1941.

Ser. No. 482,598. SWIFT & COMPANY, Chicago, Ill. Filed Apr. 25, 1945.

LO-TEMP

FOR INSECTICIDE.
Claims use since Apr. 1, 1943.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 478,859. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Jan. 22, 1945.

MUSTANG

FOR FIREARMS—NAMELY, PISTOLS AND REVOLVERS.
Claims use since Jan. 19, 1945.

Ser. No. 478,860. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed Jan. 22, 1945.

PONY

FOR FIREARMS—NAMELY, PISTOLS AND REVOLVERS.
Claims use since Jan. 19, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 478,796. AGENCY PAPER COMPANY, New York, N. Y. Filed Jan. 20, 1945.



The lining on the drawing represents the color blue and shading.
FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Jan. 5, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 468,058. ACME BRICK COMPANY, Fort Worth, Tex. Filed Mar. 8, 1944.

ACITEX

Applicant is the owner of registered trade-mark No. 200,057, June 23, 1925.
FOR BRICK AND TILE OF CERAMIC AND LIKE MATERIAL.
Claims use since Nov. 23, 1943.

Ser. No. 482,313. DOUGLAS FIR PLYWOOD ASSOCIATION. Tacoma, Wash. Filed Apr. 19, 1945. Under the act of Feb. 20, 1905, as amended June 10, 1938.

SILVALOCK PLYWOOD SHEATHING

No claim is made to the exclusive use of the words "Plywood Sheathing" apart from the mark shown.
FOR PLYWOOD SHEATHING.
Claims use since Jan. 31, 1945.

Ser. No. 482,314. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Apr. 19, 1945. Under the act of Feb. 20, 1905, as amended June 10, 1938.

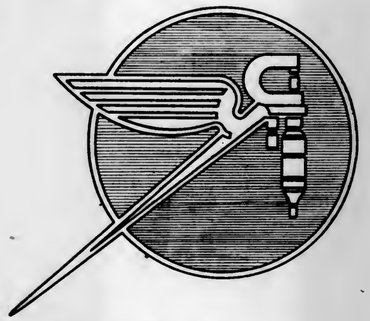
SILVALOCK SOUND 1 SIDE PLYWOOD

No claim is made to the exclusive use of the words "Sound 1 Side Plywood" apart from the mark shown.
FOR PLYWOOD.
Claims use since Jan. 31, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 466,247. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed Jan. 1, 1944.



The drawing is lined for blue.
FOR HYDRAULIC CONTROL VALVES.
Claims use since Nov. 12, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 480,034. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed Feb. 20, 1945.

EUTECHROM

FOR WELDING ELECTRODES, WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING AND SOLDERING OVERLAY ALLOYS IN THE FORM OF RODS AND WIRES, EITHER BARE OR COATED WITH FLUX SUBSTANCE FOR USE IN CONNECTION WITH OXY-ACETYLENE TORCHES OR WITH ELECTRIC HEATING AND CARBON-ARC DEVICES.
Claims use since Jan. 31, 1945.

Ser. No. 480,818. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Mar. 12, 1945.

FANWELD

FOR WELDING RODS.
Claims use since Feb. 6, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,038. A. C. HORN COMPANY, Long Island City, N. Y. Filed Jan. 26, 1945.

KERATYN

FOR INDUSTRIAL FINISH PAINT ENAMEL FOR USE ON METALS.
Claims use since Dec. 26, 1944.

Ser. No. 479,774. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

PERMA-SURF

FOR LIQUID HARD DRYING FINISH FOR FURNITURE.
Claims use since Aug. 5, 1939.

Ser. No. 479,932. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Feb. 17, 1945.

PLASTI-FLOOR

Applicant disclaims the right to the exclusive use of the word "Floor" except in the relation and association shown.
FOR PAINT ENAMEL.
Claims use since Dec. 12, 1944.

Ser. No. 479,967. CORDO CHEMICAL CORPORATION, Norwalk, Conn. Filed Feb. 19, 1945.

CORDO-CLAD C#

No claim is made to the word "Clad" apart from the mark as shown.
FOR CORROSION RESISTANT PAINT.
Claims use since Feb. 2, 1945.

Ser. No. 480,210. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

SONOSHEEN

FOR SELF BUFFING LIQUID AQUEOUS WAX EMULSION FOR USE ON FLOORS.
Claims use since 1935.

CLASS 19

VEHICLES

Ser. No. 480,612. OAKES & Co., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR BICYCLES, TRICYCLES, COASTERS, SCOOTERS, SLEDS, WHEELBARROWS, WAGONS, AND AUTOMOBILE SPRINGS AND SHOCK ABSORBERS.
Claims use since Sept. 15, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,669. J. MILTON BREGSTONE, Chicago, Ill. Filed Apr. 26, 1944.

MARS

FOR RADIO RECEIVERS, RADIO AND PHONOGRAPH COMBINATIONS, ELECTRIC PHONOGRAPHS AND ELECTRIC RECORDERS.
Claims use since August 1940.

Ser. No. 479,721. PACIFIC MILLS, New York, N. Y. Filed Feb. 12, 1945.

LOPAC

FOR WOVEN OR UNWOVEN, PARTIALLY OR COMPLETELY TREATED FABRICS FOR WRAPPING ELECTRICAL CONDUCTORS TO INSULATE THE SAME.
Claims use since Jan. 30, 1945.

Ser. No. 481,160. PRICE BROTHERS COMPANY, Frederick, Md. Filed Mar. 21, 1945.

PRICE BROTHERS CO. — FREDERICK MD. HUSKY RELAYS AND CONTROLS

No claim is made for the words, "Price Brothers Co.—Frederick, Md." and "Relays and Controls" apart from the mark shown.
FOR MAGNETIC CONTROLS FOR PRODUCING MECHANICAL MOVEMENTS FOR OPERATING ELECTRIC SWITCHES AND RELAYS.
Claims use since Mar. 2, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 477,613. HOME EQUIPMENT MANUFACTURING CO., Chicago, Ill. Filed Dec. 15, 1944.

POKEROU

FOR GAME BOARD FOR USE IN PLAYING VARIOUS FORMS OF POKER.
Claims use since Jan. 1, 1941.

Ser. No. 478,599. ARTHUR RICHARD STEDT, doing business as Stedt Little Folk Toy Co., Minneapolis, Minn. Filed Jan. 13, 1945.

Bonnie Jean

FOR TOY DOLL CRADLES.
Claims use since Sept. 10, 1944.

Ser. No. 481,269. BRYN MAWR SMOKERS NOVELTY CO., Chicago, Ill. Filed Mar. 24, 1945.

E-Z-STAK

No claim is made to the word "Stak" apart from the mark as shown. The color lining shown on the drawing denotes the color red.
FOR POKER CHIPS.
Claims use since Mar. 5, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 477,509. HAMMEL, RIGLANDER & Co. INC., New York, N. Y. Filed Dec. 13, 1944.

HR

FOR WATCHMAKERS' AND JEWELERS' TOOLS—NAMELY, TWEEZERS, PLIERS, JEWEL SETTERS, CLAMPS TO HOLD WATCH PARTS, DRILLS, CUTTING AND ENGRAVING TOOLS, FILES, SAWS, AND CHISELS.
Claims use since Mar. 30, 1936.

Ser. No. 478,972. HAROLD L. OSEROWSKY, doing business as Easy Way Manufacturing Co., Bay City, Mich. Filed Jan. 24, 1945.

EASY WAY

FOR VALVE PULLERS FOR USE IN SERVICING INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 8, 1945.

Ser. No. 480,473. THE ROTO-SHAVER INCORPORATED, Stamford, Conn., and New York, N. Y. Filed March 3, 1945.

ROTO SHAVER

No claim is made for the word "Shaver" apart from the mark shown.
FOR DRY SHAVERS.
Claims use since Feb. 14, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 475,311. EMANUEL H. WHITE, Chicago, Ill. Filed Oct. 13, 1944.

WONDER LOCK

The word "Lock" is disclaimed apart from the mark.
FOR ATTACHABLE AND ADJUSTABLE ALL-PURPOSE TYPE LOCKS.
Claims use since June 28, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 466,297. TRANSCONTINENTAL & WESTERN AIR, INC., Kansas City, Mo. Filed Jan. 3, 1944.

Flight Products

The term "Products" is disclaimed apart from the mark shown.
FOR WEIGHT AND BALANCE COMPUTING APPARATUS FOR USE IN THE LOADING OF AIRPLANES IN ACCORD WITH BALANCE REQUIREMENTS IN DISTRIBUTION OF WEIGHT OF LOAD, AND COMPRISED OF CHARTS, HOLDERS THEREOF AND TEMPLATES FOR USE THEREWITH.
Claims use since Oct. 26, 1943.

Ser. No. 466,470. TRANSCONTINENTAL & WESTERN AIR, INC., Kansas City, Mo. Filed Jan. 10, 1944.

Flight Products DIVISION OF T.W.A.

The words "Products Division of T. W. A." are disclaimed apart from the mark shown.
FOR WEIGHT AND BALANCE COMPUTING APPARATUS FOR USE IN THE LOADING OF AIRPLANES IN ACCORD WITH BALANCE REQUIREMENTS IN DISTRIBUTION OF WEIGHT OF LOAD, AND COMPRISED OF CHARTS, HOLDERS THEREOF AND TEMPLATES FOR USE THEREWITH.
Claims use since Oct. 26, 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 482,082. WALTHAM WATCH COMPANY, Waltham, Mass. Filed Apr. 12, 1945.

TEEN

FOR WATCHES.
Claims use since Mar. 20, 1945.

Ser. No. 482,099. LEW ENTE CORP., New York, N. Y. Filed Apr. 13, 1945.

WXL

FOR WATCHES, WATCH MOVEMENTS, AND WATCH PARTS.
Claims use since 1935.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 470,322. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky. Filed May 16, 1944. Under section 5b of the act of 1905 as amended in 1920.

WADSWORTH

Applicant is the owner of Reg. Nos. 122,933 (renewed), 243,816, 259,319, and 259,320.
FOR COMPACTS, CIGARETTE CASES AND LIGHTERS, WATCH BANDS, BELT BUCKLES, AND STRAP WATCH BUCKLES, MADE IN WHOLE OR IN PART FROM PRECIOUS AND SEMI-PRECIOUS METALS.
Claims use since May 5, 1944, on compacts and cigarette cases; since Aug. 19, 1927, on lighters; since June 1, 1926, on watch bands; and May 1, 1925, on belt buckles; and since June 1, 1926, on strap watch buckles.

Ser. No. 475,208. JEWELRY BY WALLACE, Forest Hills, N. Y. Filed Oct. 11, 1944.



The word "Sterling" which appears on the drawing is disclaimed apart from the mark shown.
FOR BRACELETS, BROOCHES, EARRINGS, PINS, RINGS AND MEDALS MADE WITH ALL SILVER AND GOLD, OR PARTLY WITH AND FROM SILVER AND GOLD.
Claims use since Apr. 1, 1944.

Ser. No. 480,464. MARCUS & CO. INC., New York, N. Y. Filed Mar. 3, 1945.

Gem Galleries

Applicant is the owner of Reg. No. 404,380. Exclusive right to the use of the word "Gem" is disclaimed apart from the mark shown.
FOR JEWELRY FOR PERSONAL WEAR AND METAL ARTICLES OF ADORNMENT, NOT INCLUDING WATCHES—NAMELY, RINGS, CLIPS, NECKLACES, PINS, EARRINGS, BANDS, BRACELETS, MOUNTINGS, AND PRECIOUS AND SEMI-PRECIOUS AND IMITATION STONES.
Claims use since Feb. 5, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 465,254. FAIRBANKS, MORSE & CO., Chicago, Ill. Filed Nov. 24, 1943.



FOR AUTOMATIC COAL STOKERS.
Claims use since Sept. 1, 1932.

Ser. No. 482,435. H. NEGBAUR & CO., New York, N. Y. Filed Apr. 21, 1945.

Bull Dog

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS.
Claims use since Mar. 16, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 482,095. EDWARD A. EILY, doing business as E. A. Eily Record Company, New York, N. Y. Filed Apr. 13, 1945.

Rex

FOR PHONOGRAPH RECORDS.
Claims use since Feb. 26, 1945.

Ser. No. 482,604. THE WILCOX-GAY CORPORATION, Charlotte, Mich. Filed Apr. 25 1945

Recordiopoint

FOR PHONOGRAPH NEEDLES.
Claims use since December 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 471,421. RITE-CRAFT COMPANY, Chicago, Ill. Filed June 19, 1944.

Rite-Craft

FOR PENCILS (BOTH WOOD CASED AND MECHANICAL) AND PENS.
Claims use since Mar. 18, 1944.

Ser. No. 475,448. MARY MUFFET, INC., St. Louis, Mo. Filed Oct. 18, 1944.



The name "Muffet" which appears on the drawing as part of the applicant's mark is derived from the well-known nursery rhyme "Little Miss Muffet" and is intended to indicate the character in that rhyme.
FOR LIPSTICK PAPER TISSUES.
Claims use since Sept. 16, 1943.

Ser. No. 476,408. THE STECK COMPANY, Austin, Tex. Filed Nov. 13, 1944.



The all-over design shown on the drawing which serves as a safety device together with the word "Safety" is disclaimed apart from the mark shown.
FOR SAFETY PAPER.
Claims use since Nov. 7, 1944.

Ser. No. 480,175. FRANKLYN-MILROSS, INC., New York, N. Y. Filed Feb. 24, 1945.

Swiftflite AIR MAIL

The words "Air Mail" are hereby disclaimed apart from the mark as shown.
FOR AIR MAIL LETTER PAPER AND ENVELOPES.
Claims use since Dec. 4, 1944.

Ser. No. 480,716. THE PARKER PEN COMPANY, Janesville, Wis. Filed Mar. 9, 1945.

QUINK PENCIL

Applicant is the owner of Reg. No. 282,550. The word "Pencil" is disclaimed apart from the mark as shown.
FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Mar. 5, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,745. THE HEARST CORPORATION, New York, N. Y. Filed Apr. 28, 1945.

THE SEA HOUND

FOR NEWSPAPER CARTOON STRIP PUBLISHED IN A CONTINUING SERIES.
Claims use since Oct. 9, 1944.

CLASS 39

CLOTHING

Ser. No. 460,994. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed May 28, 1943.

INTER LOOP

FOR HOSIERY.
Claims use since May 19, 1943.

Ser. No. 465,651. DESMOND'S, Los Angeles, Calif. Filed Dec. 9, 1943.

FLEXI-CROWN

No claim is made to the word "Crown" apart from the mark shown.
FOR MILITARY CAPS.
Claims use since Aug. 1, 1941.

Ser. No. 471,922. BYARD MANUFACTURING COMPANY, LIMITED, Nottingham, England. Filed July 5, 1944.

HA-LO-NY

FOR HAIRNETS.
Claims use since Oct. 30, 1943.

Ser. No. 475,541. THE MEADTEX FABRICS CO., New York, N. Y. Filed Oct. 20, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

PRO POPLIN

The Word "Poplin" is disclaimed apart from the mark as shown.
FOR LADIES', MISSES' AND GIRLS' DRESSES, SLIPS, PLAYSUITS, BLOUSES, AND APRONS.
Claims use since Aug. 18, 1944.

Ser. No. 475,706. TIMELY CLOTHES, INC., Rochester, N. Y. Filed Oct. 25, 1944.

Futuretime

FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, SLACKS, SUMMER SUITS, DRESS SHIRTS, SPORT SHIRTS, LOUNGING ROBES, JACKETS, NECKTIES, GARTERS, GARMENT BELTS, PAJAMAS, UNDERWEAR, HATS AND CAPS; WOMEN'S AND MISSES' DRESSES, SUITS, COATS, SKIRTS FOR OUTER WEAR, BLOUSES, JACKETS, PLAY SUITS, BREECHES, JODHPURS, HOSIERY, BRASSIERES, FOUNDATION GARMENTS, APRONS, AND SLIPS.
Claims use since Sept. 12, 1944.

Ser. No. 480,572. GOTHAM HOSIERY COMPANY, INC., New York, N. Y. Filed Mar. 7, 1945.

Don't say "stockings" say GOTHAM Gold Stripe

No claim is made to the word "Stockings" apart from the mark as shown.
FOR HOSIERY.
Claims use since Feb. 10, 1936.

Ser. No. 480,712. LOWELL LINGERIE COMPANY, Lowell, Mass. Filed Mar. 9, 1945.

Lucy Larcom

The name "Lucy Larcom" is that of a deceased, historical personage, being a poetess and authoress, and being a New England celebrity.
FOR SLIPS FOR WOMEN, MISSES, AND GIRLS.
Claims use since Feb. 7, 1945.

Ser. No. 480,795. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Mar. 10, 1945.

PANTY-LOOM

The applicant disclaims the word "Panty" apart from the mark as shown.
FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Sept. 15, 1944.

Ser. No. 480,799. SOLOMON BROS. CO., New York, N. Y. Filed Mar. 10, 1945.

SAD SACK

No claim is made to the word "Sack" apart from the mark shown.
FOR MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS.
Claims use since Nov. 15, 1944.

Ser. No. 481,001. DAN SNYDER & CO., New York, N. Y. Filed Mar. 16, 1945.

Cozy Cuffs

The word "Cuffs" is disclaimed apart from the mark as shown.
FOR MISSES', JUNIOR MISSES', GIRLS' AND CHILDREN'S COATS, SUITS, LEGGINGS AND LEGGING SETS.
Claims use since January 1945.

Ser. No. 481,089. TWENTIETH CENTURY FROCKS, Los Angeles, Calif. Filed Mar. 19, 1945.

Airsped

FOR SUITS, COATS, DRESSES, SLACKS, SHORTS, BLOUSES, AND OUTER SKIRTS, FOR WOMEN AND MISSES.
Claims use since Oct. 11, 1944.

Ser. No. 481,351. CALBERT DRESS CO., New York, N. Y. Filed Mar. 27, 1945.

Calbette

FOR MISSES' DRESSES.
Claims use since Mar. 1, 1945.

Ser. No. 481,456. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Mar. 29, 1945.

AKOM TRAMPER

FOR MEN'S BOYS' AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Mar. 1, 1945.

Ser. No. 481,458. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Mar. 29, 1945.

LAX-ABOUT

FOR MEN'S, BOYS' AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Mar. 1, 1945.

Ser. No. 481,461. CHADWYK CO., New York, N. Y. Filed Mar. 29, 1945.

Tailored by Chadwyk

The words "Tailored by" are disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' SUITS, COATS, JACKETS, SKIRTS.
Claims use since December 1937.

Ser. No. 481,462. CHADWYK CO., New York, N. Y. Filed Mar. 29, 1945.

Tailored by Chadwyk JUNIOR

The words "Tailored by" and "Junior" are disclaimed apart from the mark as shown.
FOR GIRLS' AND JUNIORS' COATS, SUITS, SKIRTS, JACKETS.
Claims use since December 1937.

Ser. No. 482,140. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

COOLITE

Applicant is the owner of Reg. No. 239,240, dated Feb. 28, 1928, showing the trade-mark "Coolite".
FOR MEN'S SUITS, VESTS, TROUSERS, OVERCOATS, AND SACK COATS.
Claims use since Sept. 1, 1927.

Ser. No. 482,150. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

PARKOOL

FOR MEN'S COATS, VESTS, AND PANTS.
Claims use since Oct. 1, 1923.

Ser. No. 482,243. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 17, 1945.

MONTACUNA

FOR MEN'S COATS, VESTS, PANTS AND OVERCOATS.
Claims use since Mar. 1, 1928.

Ser. No. 482,244. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 17, 1945.

PARGORA

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since July 1, 1930.

Ser. No. 482,474. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

Charter-House

FOR MEN'S COATS, VESTS, PANTS, AND OVERCOATS.
Claims use since Mar. 1, 1926.

Ser. No. 482,476. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

PARK-E-ASE

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since Mar. 1, 1937.

Ser. No. 482,477. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

Parktown

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since Apr. 20, 1931.

Ser. No. 482,478. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

ROYAL PARK

FOR MEN'S OVERCOATS, COATS, VESTS, AND PANTS.
Claims use since Apr. 1, 1923.

Ser. No. 482,481. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

Smartone

Applicant is the owner of Reg. No. 223,782, dated Feb. 8, 1927, showing the trade-mark "Smartone".
FOR MEN'S AND YOUNG MEN'S SUITS AND OVERCOATS.
Claims use since August 1926.

Ser. No. 482,482. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

STANEREK

FOR MEN'S COATS, VESTS, PANTS, AND OVERCOATS.
Claims use since Apr. 15, 1919.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 475,847. VERNON F. GRAHAM, SR., Chester, Pa. Filed Oct. 30, 1944.



FOR SPINDLES FOR HOLDING BALLS OF CROCHETING, TATTING OR KNITTING YARN, COTTON OR THE LIKE FOR HAND USE.
Claims use since Oct. 16, 1944.

Ser. No. 479,637. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 9, 1945.

SPORTSMAN

FOR COMBS.
Claims use since Jan. 15, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 467,277. GOLDENBRO FABRICS, INC., New York, N. Y. Filed Feb. 8, 1944.

Lanalure

FOR PIECE GOODS OF RAYON.
Claims use since October 1943.

Ser. No. 472,890. DE-TEX COMPANY, INC., Philadelphia, Pa. Filed Aug. 3, 1944.

De-Tex

FOR TUBULAR NETTING USED FOR LOWERING OBJECTS, PRIMARILY THE LOWERING OF DYNAMITE OR OTHER EXPLOSIVE CHARGES IN DRILL HOLES, THOUGH IT MAY BE USED FOR LOWERING OBJECTS FOR ANY PURPOSE.
Claims use since September 1943.

Ser. No. 477,195. FREDERICK NORMAN HIRST, London, England. Filed Dec. 4, 1944.

THE GOLDEN NEEDLE

FOR PIECE GOODS OF SILK, RAYON, METAL THREADS, WOOL, LINEN AND COTTON, AND OF VARIOUS MIXTURES THEREOF.
Claims use since Dec. 3, 1943.

Ser. No. 477,687. DUNN WOOLEN COMPANY, Martinsburg, W. Va. Filed Dec. 18, 1944.



The wording "Fabrics" and "Manufactured by Dunn Woolen Co., Martinsburg, W. Va." is disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS IN THE PIECE—NAMELY, ALL WOOL FLANNELS; FLANNELS MADE OF A MIXTURE OF WOOL AND RAYON, AND OF A MIXTURE OF WOOL AND ANY SYNTHETIC FIBERS; AND FLANNELS OF A MIXTURE OF WOOL AND COTTON, USED FOR MEN'S AND WOMEN'S SUITS AND TOPCOATS; UPHOLSTERY WOOL BROADCLOTH; BROADCLOTH OF A MIXTURE OF WOOL AND COTTON; BROADCLOTH OF A MIXTURE OF WOOL AND RAYON AND OF A MIXTURE OF WOOL AND ANY SYNTHETIC FIBERS, MANUFACTURED ON THE WOOLEN SYSTEM FOR AUTOMOBILES AND AIRPLANES.
Claims use since 1923.

Ser. No. 478,554. LAWRENCE CONVERTERS INC., New York, N. Y. Filed Jan. 12, 1945.

OLD GOLD

FOR COTTON SHEETS, PILLOW CASES, WASH CLOTHS, QUILT COVERS, MATTRESS COVERS, HAND, FACE, DISH AND BATH TOWELS, CURTAINS, DRAPES, TABLE CLOTHS AND TABLE NAPKINS.
Claims use since Jan. 2, 1942.

Ser. No. 480,019. GOLDENBORO FABRICS, INC., New York, N. Y. Filed Feb. 20, 1945.

MIRAMAR

FOR RAYON PIECE GOODS, AND RAYON AND COTTON PIECE GOODS.
Claims use since January 1933.

Ser. No. 480,422. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 2, 1945.

NAMACO

FOR BLANKETS MADE OF WOOL, COTTON, RAYON AND OTHER SYNTHETIC OR REGENERATED FIBERS, AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1939.

Ser. No. 480,816. CREST FABRICS CORP., New York, N. Y. Filed Mar. 12, 1945.

SESAME

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since Jan. 10, 1944.

Ser. No. 480,882. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed Mar. 13, 1945.

Conanette

FOR WIDE ELASTIC FABRICS.
Claims use since May 26, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 481,130. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Mar. 20, 1945.

.BLUE LABEL

Applicant disclaims the right to the exclusive use of a label colored blue.
FOR ART NEEDLEWORK YARNS.
Claims use since Jan. 1, 1932.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 481,062. PHIL FISCHER, Chicago, Ill. Filed Mar. 19, 1945.

Plymouth Rock

No claim is made to the word "Plymouth" apart from the mark as shown.
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Sept. 15, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 436,222. OLD DUTCH MILLS, INC., New York, N. Y. Filed Sept. 21, 1940. Under 10-year proviso.

OLD DUTCH

Applicant is the owner of trade-mark registration No. 170,792, dated July 24, 1923, and trade-mark registration No. 170,220, dated July 10, 1923.
FOR COFFEE, TEA, COCOA, AND HOT CHOCOLATE POWDER.
Claims use in applicant's business since in or about 1934; and in the business of its predecessor since 1880.

Ser. No. 462,108. CALIFORNIA PRUNE AND APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed July 16, 1943.

EQUALITY

PACKED BY
CALIFORNIA PRUNE & APRICOT GROWERS ASSN.
SAN JOSE, CALIFORNIA, U. S. A.

No claim is made to the wording other than "Equality" apart from the mark as shown.
FOR DRIED FRUIT—NAMELY, DRIED APRICOTS, PEACHES, PRUNES, PEARS, AND NECTARINES.
Claims use since June 30, 1924.

Ser. No. 479,595. NUTRITIONAL METALS CORP., Hasbrouck Heights, N. J. Filed Feb. 8, 1945.

TOTAMIN

FOR BONE FLOUR COMPRESSED OR IN GRANULAR FORM FOR USE AS A DIETARY SUPPLEMENT FOR DOMESTIC ANIMALS.
Claims use since Jan. 19, 1945.

Ser. No. 479,671. JAMES J. FLOOD, Phoenix, Ariz. Filed Feb. 10, 1945.

FLOOD

FOR FRESH VEGETABLES.
Claims use since Jan. 26, 1945.

Ser. No. 479,979. HONEGGERS' & CO., doing business as Honegger Feed Mills, Forrest, Ill. Filed Feb. 19, 1945.

PIG POPPER

Applicant disclaims the right to the exclusive use of the words "Honeggers'" and "Pig" except in the relation and association shown.
FOR HOG FEED.
Claims use since December 1943.

Ser. No. 480,356. J. C. WALKER BROTHERS, INC., Exmore, Va. Filed Feb. 28, 1945. Under 10-year proviso as to "Seaside."



Applicant is the owner of registration Nos. 203,892 and 356,629. Apart from its association with said trade-mark, the word "Oysters" is hereby disclaimed.
FOR OYSTERS, CANNED AND IN THE SHELL.
Claims use since Nov. 1, 1921; and since early in 1889 on the word "Seaside."

Ser. No. 480,754. FISHERY PRODUCTS, INC., Boston, Mass., and Cleveland, Ohio. Filed Mar. 10, 1945.

BLUE BANK

FOR SEA FOODS—NAMELY, FROZEN FISH.
Claims use since Mar. 17, 1944.

Ser. No. 480,755. FISHERY PRODUCTS, INC., Boston, Mass., and Cleveland, Ohio. Filed Mar. 10, 1945.

Blue Isle

FOR SEA FOODS—NAMELY, FROZEN FISH.
Claims use since Mar. 17, 1944.

Ser. No. 481,136. DRY-PACK CORPORATION, New York, N. Y. Filed Mar. 21, 1945.



The word "Rice" is disclaimed apart from the mark as shown. The representation of the woman is fanciful.

FOR DEHYDRATED FOOD MIX FOR USE AS A COMPLETE MEAL, SIDE DISH OR VEGETABLE CONTAINING DEHYDRATED VEGETABLES INCLUDING RICE.

Claims use since Aug. 28, 1944.

Ser. No. 481,306. THE BAMA COMPANY, Birmingham, Ala. Filed Mar. 26, 1945.

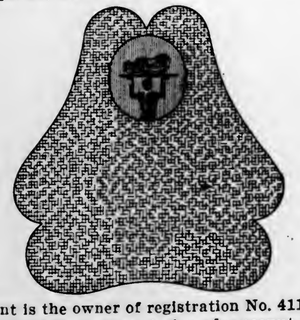


Applicant is the owner of registration No. 298,091.

FOR FRUIT PRESERVES, PEANUT BUTTER, SALAD DRESSING AND SALAD RELISH.

Claims use on fruit preserves and peanut butter since Aug. 1, 1931; and on salad dressing and salad relish since April 1937.

Ser. No. 482,430. LUMMIS & COMPANY, Philadelphia, Pa. Filed Apr. 21, 1945.



Applicant is the owner of registration No. 411,628. The exclusive use of the representation of a peanut apart from the mark shown is hereby disclaimed. The drawing is lined to indicate the colors red and yellow.

FOR SALTED PEANUTS, PEANUT BUTTER, AND NUT CONFECTIONS—NAMELY, NUT CLUSTERS IN WHICH THE NUTS ARE HELD TOGETHER BY A HARDENED SUGAR SYRUP COMPOSITION.

Claims use since Dec. 29, 1944, for peanut butter; since Feb. 8, 1944, for salted peanuts; and since Apr. 9, 1944, for nut confections.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 479,741. VIKING MARINE CO., Seattle, Wash. Filed Feb. 12, 1945.

Viking

FOR SHIP DEBARKATION AND EMBARKATION EQUIPMENT—NAMELY, LADDERS, GANGWAYS AND LIFESAVING NETS.

Claims use since Aug. 1, 1944.

Ser. No. 483,374. JOYCE, INC., Pasadena, Calif. Filed May 15, 1945.



FOR SHOE LASTS.

Claims use since Apr. 25, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 10, 1945

414,991. FABRIC IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES OR MIXTURES THEREOF. CROMPTON-RICHMOND CO., INC., New York, N. Y.
Filed March 25, 1943. Serial No. 459,333. PUBLISHED MAY 1, 1945. Class 42.

414,992. DRY GIN, OLD TOM GIN, AND WHISKY. PINI HNOS. & CIA. S. A. COMERCIAL E. INDUSTRIAL, Buenos Aires, Argentina.
Filed August 31, 1943. Serial No. 463,133. PUBLISHED APRIL 24, 1945. Class 49.

414,993. COATED PIECE GOODS OF COTTON, RAYON, NYLON, OR SILK. ATHOL MANUFACTURING COMPANY, Athol, Mass.
Filed November 24, 1943. Serial No. 465,244. PUBLISHED MAY 1, 1945. Class 42.

414,994. PIPES CONSTRUCTED OF CONCRETE. UNIVERSAL CONCRETE PIPE COMPANY, Columbus, Ohio.
Filed December 20, 1943. Serial No. 465,932. PUBLISHED MAY 1, 1945. Class 12.

414,995. PORTLAND CEMENT. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed December 27, 1943. Serial No. 466,068. PUBLISHED MAY 1, 1945. Class 12.

414,996. MANUAL AND AUTOMATIC MARKING MACHINES FOR MAKING AN IMPRESSION ON OR IN THE SURFACE OF ARTICLES. ADOLPH GOTTSCHO, INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,154. PUBLISHED MAY 1, 1945. Class 23.

414,997. LIQUEUR. PHILIP R. MYERS, New York, N. Y.
Filed December 31, 1943. Serial No. 466,226. PUBLISHED APRIL 24, 1945. Class 49.

414,998. CHEMICALS FOR USE IN THE TREATMENT OF MATERIALS SUCH AS CELLULOSIC MATERIALS IN A HEATED IMPREGNATING BATH WHEREBY THE INITIAL CHARACTERISTICS OF THE MATERIALS ARE ENHANCED, IN THAT, THE TENSILE, FLEXURAL AND COMPRESSIONAL STRENGTH OF THE MATERIALS IMPREGNATED ARE INCREASED. LUCKITE LABORATORIES, Delawanna, N. J.
Filed January 27, 1944. Serial No. 466,921. PUBLISHED APRIL 24, 1945. Class 6.

414,999. GIN. WALTER J. MULLIGAN, doing business as W. J. Mulligan & Co., San Francisco, Calif.
Filed January 29, 1944. Serial No. 467,002. PUBLISHED APRIL 3, 1945. Class 49.

415,000. GIN. WALTER J. MULLIGAN, doing business as W. J. Mulligan & Co., San Francisco, Calif.
Filed January 29, 1944. Serial No. 467,003. PUBLISHED APRIL 3, 1945. Class 49.

415,001. MARINE TELEPHONES, RADIO TRANSMITTERS, ANTENNAS. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif.
Filed February 7, 1944. Serial No. 467,238. PUBLISHED MAY 1, 1945. Class 21.

415,002. APPARATUS FOR LOCATING AND/OR INDICATING THE POSITION OF UNDERGROUND METALLIC OBJECTS AND DEPOSITS, SUCH AS CONDUITS, CABLE, PIPE, AND ORES AND THE LIKE. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif.
Filed February 7, 1944. Serial No. 467,239. PUBLISHED MAY 1, 1945. Class 26.

415,003. PAPER ARTICLES—NAMELY, WALLPAPER, LINING PAPER FOR TRUNKS, DRESSERS AND THE LIKE, AND FOR OTHER PAPER ARTICLES—NAMELY, PAPER RIBBON, WRAPPING PAPER, ETC. UNITED WALLPAPER FACTORIES INC., Chicago, Ill., now by change of name United Wallpaper, Inc., a corporation of Delaware.
Filed February 14, 1944. Serial No. 467,415. PUBLISHED MAY 1, 1945. Class 37.

415,004. SYRUPS FOR FLAVORING SOFT DRINKS. TRUFRUIT SYRUP CORPORATION, Brooklyn, N. Y.
Filed February 22, 1944. Serial No. 467,679. PUBLISHED APRIL 10, 1945. Class 45.

415,005. COLOGNE, HAIR DRESSING, AFTER SHAVING LOTION, DEODORANT, HAIR POMADE, FOUNDATION CREAM AND PERFUME. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J.
Filed March 23, 1944. Serial No. 468,577. PUBLISHED APRIL 24, 1945. Class 6.

415,006. FLAVOR BASES FOR MAKING NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. NEIL'S FLAVOR LABORATORY, Los Angeles, Calif.
Filed April 6, 1944. Serial No. 469,089. PUBLISHED APRIL 24, 1945. Class 45.

415,007. INTERNATIONAL DAILY NEWSPAPER. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 12, 1944. Serial No. 469,248. PUBLISHED APRIL 24, 1945. Class 38.

415,008. WEEKLY PUBLICATION, CONTAINING ARTICLES, EDITORIALS, ETC. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 12, 1944. Serial No. 469,250. PUBLISHED APRIL 24, 1945. Class 38.

415,009. PERIODICAL PUBLISHED IN ENGLISH AND FOREIGN LANGUAGES. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 12, 1944. Serial No. 469,251. PUBLISHED APRIL 24, 1945. Class 38.

415,010. PREFABRICATED HOUSES. SOUTH BEND LUMBER CO. INC., South Bend, Ind.
Filed April 26, 1944. Serial No. 469,706. PUBLISHED MAY 1, 1945. Class 12.

415,011. CARAMEL COLOR FOR USE IN THE MANUFACTURE OF SOFT DRINKS. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed May 2, 1944. Serial No. 469,881. PUBLISHED APRIL 24, 1945. Class 45.

415,012. LIVER AND IRON CAPSULES. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed June 22, 1944. Serial No. 471,520. PUBLISHED APRIL 24, 1945. Class 6.

415,013. MACHINE TOOL CONTROL IN THE NATURE OF A PRESETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PREDETERMINABLE OPERATIONS. THE BULLARD COMPANY, Bridgeport, Conn.
Filed July 7, 1944. Serial No. 471,969. PUBLISHED MAY 1, 1945. Class 23.

415,014. MACHINE TOOL CONTROL IN THE NATURE OF A PRESETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PRE-DETERMINABLE OPERATIONS. THE BULLARD COMPANY, Bridgeport, Conn.
Filed July 7, 1944. Serial No. 471,970. PUBLISHED MAY 1, 1945. Class 23.

415,015. PICTURE POSTCARDS AND ALBUM VIEWS. ROY E. ROSE, doing business as Rosecraft Studios, Crestline, Calif.
Filed July 8, 1945. Serial No. 472,016. PUBLISHED APRIL 24, 1945. Class 38.

415,016. PREPARED DESSERTS CONTAINING DEHYDRATED FRUIT NUGGETS. VACU-DRY COMPANY, Oakland, Calif.
Filed July 24, 1944. Serial No. 472,597. PUBLISHED MAY 1, 1945. Class 46.

415,017. ELECTRIC FANS, ELECTRIC MOTORS, PORTABLE ELECTRIC FANS, UTILIZED AS BOOSTERS AND ELECTRIC HEATERS. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,915. PUBLISHED MAY 1, 1945. Class 21.

415,018. ELECTRIC EXHAUST FANS USED FOR VENTILATING PURPOSES, AND BUILT-IN ELECTRICAL VENTILATORS, ETC. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,919. PUBLISHED MAY 1, 1945. Class 34.

415,019. VASOCONSTRICTOR. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed August 12, 1944. Serial No. 473,232. PUBLISHED APRIL 24, 1945. Class 6.

415,020. PASTE-LIKE MATERIAL FOR USE IN PAINT SPRAY CHAMBERS. GREGOR S. AFFLECK, doing business as Colloidal Paint Products Co., Detroit, Mich.
Filed September 7, 1944. Serial No. 473,924. PUBLISHED APRIL 24, 1945. Class 16.

415,021. PERFUME AND TOILET WATER AND COLOGNE. DORELIS, INC., New York, N. Y.
Filed September 20, 1944. Serial No. 474,396. PUBLISHED MAY 1, 1945. Class 6.

415,022. PERFUME, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER AND LIPSTICKS. LUCIEN LELONG, INC., Chicago, Ill.
Filed September 20, 1944. Serial No. 474,417. PUBLISHED APRIL 24, 1945. Class 6.

415,023. PREPARATION FOR STIMULATING HAIR FOLLICLES AND A SHAMPOO FOR CLEANSING THE SCALP. DANIEL E. LUTZ, doing business as Follene Co., Buffalo, N. Y.
Filed September 20, 1944. Serial No. 474,419. PUBLISHED APRIL 24, 1945. Class 6.

415,024. PYROPHORIC CIGARETTE AND PIPE LIGHTER. FISHER FLAME, Minneapolis, Minn.
Filed October 7, 1944. Serial No. 475,048. PUBLISHED MAY 1, 1945. Class 34.

415,025. BEER. AMBROSIA BREWING COMPANY, Chicago, Ill.
Filed October 12, 1944. Serial No. 475,231. PUBLISHED APRIL 24, 1945. Class 48.

415,026. LEAD PENCILS. MARY MUFFET, INC., St. Louis, Mo.
Filed October 18, 1944. Serial No. 475,446. PUBLISHED JANUARY 23, 1945. Class 37.

415,027. SCOTCH WHISKEY. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed October 21, 1944. Serial No. 475,596. PUBLISHED APRIL 17, 1945. Class 49.

415,028. NAVIGATIONAL INSTRUMENTS USED AS PLOTTERS AND PROTRACTORS FOR PLOTTING CELESTIAL LINES OF POSITION. JARDUR IMPORT COMPANY, New York, N. Y.
Filed October 25, 1944. Serial No. 475,697. PUBLISHED MAY 1, 1945. Class 26.

415,029. ANALGESIC PREPARATION AND PREPARATION FOR THE STIMULATION OF THE CENTRAL NERVOUS SYSTEM. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed October 28, 1944. Serial No. 475,820. PUBLISHED APRIL 3, 1945. Class 6.

415,030. RADIO DIRECTION FINDERS. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif.
Filed October 31, 1944. Serial No. 475,904. PUBLISHED MAY 1, 1945. Class 26.

415,031. ENVELOPES. TENSION ENVELOPE CORPORATION, New York, N. Y.
Filed November 2, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 476,036. PUBLISHED MAY 1, 1945. Class 37.

415,032. WHISKEY, GIN, BRANDY, COGNAC, RUM AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed November 6, 1944. Serial No. 476,172. PUBLISHED APRIL 10, 1945. Class 49.

415,033. LIQUID FABRIC CLEANER AND SPOT REMOVER; LIQUID AND POWDERED CAR WASH; METAL AND REFLECTOR POLISH; RUBBING COMPOUND CONTAINING A MILD ABRASIVE; AUTOMOBILE BODY CLEANER AND POLISH. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa.
Filed November 10, 1944. Serial No. 476,347. PUBLISHED APRIL 24, 1945. Class 4.

415,034. LUBRICANT OIL FOR WATER PUMPS, LAWN MOWERS, VACUUM CLEANERS, SEWING MACHINES AND OTHER APPLIANCES; PENETRATING OIL. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa.
Filed November 10, 1944. Serial No. 476,348. PUBLISHED APRIL 17, 1945. Class 15.

415,035. MAGAZINES. EDWARD LEVY, New Haven, Conn.
Filed November 14, 1944. Serial No. 476,440. PUBLISHED APRIL 17, 1945. Class 38.

415,036. THERMO-SETTING PLASTIC IN THE NATURE OF A PAINT CONVERTED BY HEAT INTO AN INSOLUBLE, INFUSIBLE FILM, BEING RESISTANT AGAINST ACIDS, ALKALI, SALT SPRAY, HUMIDITY, AND OTHER ELEMENTS, AND APPLIED BY BRUSH, SPRAY, ROLLER-COATING OR DIPPED PROCESSES. STANDARD VARNISH WORKS, Staten Island, N. Y.
Filed November 16, 1944. Serial No. 476,533. PUBLISHED MAY 1, 1945. Class 16.

415,037. CHEMICAL COMPOUNDS, PREPARATIONS AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. EDWARD A. BROWN, Newton Highlands, Mass.
Filed November 18, 1944. Serial No. 476,595. PUBLISHED MAY 1, 1945. Class 6.

415,038. READY MIXED PAINTS. TRUSCON LABORATORIES, INC., Detroit, Mich.
Filed November 20, 1944. Serial No. 476,709. PUBLISHED MAY 1, 1945. Class 16.

415,039. HEMOSTATICS FOR USE IN THE CONTROL OF VENOUS AND CAPILLARY BLEEDING. CHATHAM PHARMACEUTICALS, INC., Newark, N. J.
Filed November 25, 1944. Serial No. 476,857. PUBLISHED APRIL 24, 1945. Class 6.

415,040. WATCHES AND WATCH PARTS. ENGELTON WATCH COMPANY, New York, N. Y.
Filed November 28, 1944. Serial No. 476,957. PUBLISHED MAY 1, 1945. Class 27.

415,041. PERMANENT WAVING SOLUTIONS, HAIR CREAMS, SHAMPOOS, NAIL POLISH REMOVER, HAIR RINSE, HAIR LACQUER, BRILLIANTINE, HAIR SETTING SOLUTION, LIQUID HAIR CONDITIONER, CUTICLE REMOVER. KAY-EVANS, INC., Washington, D. C.
Filed November 28, 1944. Serial No. 476,971. PUBLISHED MARCH 27, 1945. Class 6.

415,042. WORK CLOTHING—NAMELY, SHIRTS AND TROUSERS. OBERMAN & COMPANY, Jefferson City, Mo.
Filed November 28, 1944. Serial No. 476,981. PUBLISHED MAY 1, 1945. Class 39.

415,043. LUBRICANT FOR CUTTING TOOLS. INSTA CHEMICAL COMPANY, Tulsa, Okla.
Filed November 30, 1944. Serial No. 477,072. PUBLISHED APRIL 17, 1945. Class 15.

415,044. SKIN LOTION FOR THE TREATMENT OF ATHLETE'S FOOT. CHARLES S. LEDVINKA, doing business as Charles S. Ledvinka Company, Baltimore, Md.
Filed December 1, 1944. Serial No. 477,111. PUBLISHED APRIL 24, 1945. Class 6.

415,045. GERMICIDE COMPOUND FOR EXTERNAL USE AND RECOMMENDED FOR THE TREATMENT OF DISORDERS ATTENDED BY FUNGUS GROWTH AND OTHER ANALOGOUS SKIN DISORDERS AND DISEASES. WALTER A. MARTIN, doing business as The Thiamar Laboratory, McAlester, Okla.
Filed December 1, 1944. Serial No. 477,113. PUBLISHED MAY 1, 1945. Class 6.

415,046. COMPOSTION CONSTRUCTION BOARD CONSISTING OF WOOD HAVING BONDED THERETO A LAYER OR LAYERS OF PAPER, FABRIC, LINOLEUM, FIBRE, GLASS FIBRE OR METAL. PLYWOODS-PLACTICS CORPORATION, Hampton, S. C.
Filed December 1, 1944, Serial No. 477,121. PUBLISHED MAY 1, 1945. Class 12.

415,047. ANIMAL AND POULTRY FEEDS—NAMELY, FEED FOR CATTLE, HORSES, SHEEP, HOGS, CHICKENS, DUCKS, TURKEYS, RABBITS, DOGS, CATS, FOX AND MINKS. KELLOGG COMPANY, Battle Creek, Mich.
Filed December 4, 1944. Serial No. 477,197. PUBLISHED MAY 1, 1945. Class 46.

415,048. COD LIVER OIL FOOD TONIC, COUGH SYRUP, SKIN OINTMENT AND SKIN LINIMENT. SCOTT & BOWNE, Bloomfield, N. J.
Filed December 5, 1944. Serial No. 477,242. PUBLISHED APRIL 24, 1945. Class 6.

415,049. OUTER SHIRTS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed December 7, 1944. Serial No. 477,304. PUBLISHED MAY 1, 1945. Class 39.

415,050. TOY RAILROAD KITS USED IN MAKING MODELS OF PULP WOOD CARS, CATTLE CARS, BOX CARS, REFRIGERATOR CARS, TANK CARS, MAINTENANCE OF WAY CARS, HOPPER CARS, GONDOLA CARS, FLAT CARS, ETC. ARTHUR F. CHRISTMAN, doing business as A-C Model Company, Chicago, Ill.
Filed December 11, 1944. Serial No. 477,401. PUBLISHED MAY 1, 1945. Class 22.

415,051. ADHESIVE CEMENT. ARTHUR F. CHRISTMAN, doing business as A-C Model Company, Chicago, Ill.
Filed December 11, 1944. Serial No. 477,403. PUBLISHED MAY 1, 1945. Class 5.

415,052. VITAMIN COMPOUND. THE STUART COMPANY, Pasadena, Calif., assignor to The Stuart Dental Products Co., Pasadena, Calif.
Filed December 11, 1944. Serial No. 477,435. PUBLISHED MAY 1, 1945. Class 6.

415,053. VITAMIN COMPOUND. THE STUART COMPANY, Pasadena, Calif., assignor to The Stuart Dental Products Co., Pasadena, Calif.
Filed December 11, 1944. Serial No. 477,436. PUBLISHED MAY 1, 1945. Class 6.

415,054. FACIAL AND BATH SOAPS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed December 14, 1944. Serial No. 477,562. PUBLISHED APRIL 24, 1945. Class 4.

415,055. ELECTRICAL FLATIRONS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed December 15, 1944. Serial No. 477,607. PUBLISHED MAY 1, 1945. Class 21.

415,056. POWDERED LUBRICANTS. PANEF MANUFACTURING CO., Milwaukee, Wis.
Filed December 15, 1944. Serial No. 477,615. PUBLISHED APRIL 17, 1945. Class 15.

415,057. INFANTS' SAFETY KNIT CRIB BLANKETS IN THE NATURE OF A CRIB GARMENT WHEREIN THE INFANT IS PLACED AND SECURED THEREIN BY BUTTONS OR SLIDE FASTENER. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn.
Filed December 16, 1944. Serial No. 477,659. PUBLISHED MAY 1, 1945. Class 39.

415,058. CHEMICAL PREPARATION FOR INHIBITING OXIDATION. SHELL UNION OIL CORPORATION, San Francisco, Calif.
Filed December 16, 1944. Serial No. 477,669. PUBLISHED MAY 1, 1945. Class 6.

415,059. LUBRICATING OILS, GREASES, WHITE AND MINERAL OILS, PARAFFIN WAXES, PETROLATUM. OIL TRADING COMPANY, New York, N. Y.
Filed December 20, 1944. Serial No. 477,790. PUBLISHED MAY 1, 1945. Class 15.

415,060. CUTTING OILS. HELLER, LEACH, PRESTON AND MCCORMICK, Detroit, Mich.
Filed December 18, 1944. Serial No. 477,694. PUBLISHED APRIL 24, 1945. Class 15.

415,061. APPARATUS FOR TAKING PHOTOGRAPHS OF CAVITIES OF THE BODY AND ACCESSORIES THERETO. GASTRO-PHOTOR LABORATORIES CORPORATION, New York, N. Y.
Filed December 30, 1944. Serial No. 478,077. PUBLISHED MAY 1, 1945. Class 26.

415,062. IRON AND LOW CARBON STEEL IN THE FORM OF BARS, BILLETS, FORGINGS AND CASTINGS SUITABLE FOR MAKING INTO PLASTIC MOLDING DIES, ETC. HOYLAND STEEL COMPANY, INCORPORATED, New York, N. Y.
Filed December 30, 1944. Serial No. 478,079. PUBLISHED MAY 1, 1945. Class 14.

415,063. LOW CARBON STEEL ALLOY IN THE FORM OF BARS, BILLETS, FORGINGS AND CASTINGS SUITABLE FOR MAKING INTO PLASTIC MOLDING DIES. HOYLAND STEEL COMPANY, INCORPORATED, New York, N. Y.
Filed December 30, 1944. Serial No. 478,080. PUBLISHED MAY 1, 1945. Class 14.

415,064. LETTER WRITING PAPER AND ENVELOPES. OSCAR SELTZER, Chicago, Ill.
Filed December 30, 1944. Serial No. 478,089. PUBLISHED MAY 1, 1945. Class 37.

415,065. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. SOUTHWAY INCORPORATED, Atlanta, Ga.
Filed December 30, 1944. Serial No. 478,093. PUBLISHED APRIL 10, 1945. Class 45.

415,066. ROOF COATING COMPOUND—NAMELY, PAINT. DAVID W. HUGHES, doing business as Da-Do Products Co., Susquehanna, Pa.
Filed January 2, 1945. Serial No. 478,156. PUBLISHED MAY 1, 1945. Class 16.

415,067. LACQUER-LIKE COATING MATERIALS FOR FABRIC AND PLIABLE SHEET MATERIAL. TITANINE, INC., Union, N. J.
Filed January 3, 1945. Serial No. 478,192. PUBLISHED APRIL 24, 1945. Class 16.

415,068. LIGHT MALT USED AS AND AID IN MAKING BEER. FIRST CARAMEL MALTING CORPORATION, Paterson, N. J.
Filed January 4, 1945. Serial No. 478,209. PUBLISHED APRIL 17, 1945. Class 48.

415,069. MALT USED AS AN AID IN MAKING BEER. FIRST CARAMEL MALTING CORPORATION, Paterson, N. J.
Filed January 4, 1945. Serial No. 478,210. PUBLISHED APRIL 17, 1945. Class 48.

415,070. PROCAINE LOCAL ANESTHETIC SOLUTION. DAVID GREENBERG, doing business under the name of Aseptocaine Company, New York, N. Y.
Filed January 4, 1945. Serial No. 478,214. PUBLISHED MAY 1, 1945. Class 6.

415,071. TOY BALLS AND TOY SIMULATIONS OF ANIMATE OBJECTS ADOPTED TO ROLL AND SWAY AND RIGHT THEMSELVES. HOOVER PRODUCTS, INC., Youngstown, Ohio.
Filed January 4, 1945. Serial No. 478,216. PUBLISHED MAY 1, 1945. Class 22.

415,072. WATCHES AND WATCH PARTS. NORMAN WATCH CO., New York, N. Y.
Filed January 4, 1945. Serial No. 478,242. PUBLISHED MAY 1, 1945. Class 27.

415,073. CANDLES. SMITH & NICHOLS, INC., New York, N. Y.
Filed January 4, 1945. Serial No. 478,256. PUBLISHED APRIL 17, 1945. Class 15.

415,074. CANDLES. SMITH & NICHOLS, INC., New York, N. Y.
Filed January 4, 1945. Serial No. 478,257. PUBLISHED APRIL 17, 1945. Class 15.

415,075. WAX AND POLISH FOR FURNITURE, LINOLEUM, HARDWOOD AND COMPOSITION FLOORS, RUBBER TILE, ASPHALT, TERRAZZO, AND PAINTED AND VARNISHED SURFACES. J. FELIX DANIEL, doing business as New England Distributors, Manchester, N. H.
Filed January 5, 1945. Serial No. 478,269. PUBLISHED MAY 1, 1945. Class 16.

415,076. PREPARATION FOR THE TREATMENT OF RETAINED AFTERBIRTH AND A UTERINE DISCHARGE (PYOMETRA OR METRITIS) IN LIVESTOCK. JOHN H. OESTERHAUS, doing business as Kansas City Vaccine Co., Kansas City, Mo.
Filed January 5, 1945. Serial No. 478,287. PUBLISHED APRIL 24, 1945. Class 6.

415,077. PERFUME. RICHEY, INCORPORATED, Chicago, Ill.
Filed January 6, 1945. Serial No. 478,344. PUBLISHED APRIL 24, 1945. Class 6.

415,078. NEWSPAPER SECTION OR DEPARTMENT. THE HEARST CORPORATION, New York, N. Y.
Filed January 9, 1945. Serial No. 478,423. PUBLISHED APRIL 17, 1945. Class 38.

415,079. PAINTS, IN DRY, PASTE, OR READY-MIXED FORM. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed January 9, 1945. Serial No. 478,434. PUBLISHED MAY 1, 1945. Class 16.

415,080. LUBRICATING OIL AND GREASE. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed January 9, 1945. Serial No. 478,436. PUBLISHED APRIL 24, 1945. Class 15.

415,081. ODORIFEROUS MATERIAL, SUITABLE FOR USE AS A FIXATIVE IN PERFUMES AND THE LIKE. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,506. PUBLISHED APRIL 24, 1945. Class 6.

415,082. LAUNDRY MARKING MACHINES. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio.
Filed January 11, 1945. Serial No. 478,514. PUBLISHED APRIL 24, 1945. Class 24.

415,083. BEER AND ALE. BOSTON BEER COMPANY, South Boston, Mass.
Filed January 12, 1945. Serial No. 478,535. PUBLISHED MARCH 27, 1945. Class 48.

415,084. INSECT REPELLENT. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed January 12, 1945. Serial No. 478,555. PUBLISHED APRIL 24, 1945. Class 6.

415,085. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed January 12, 1945. Serial No. 478,562. PUBLISHED MAY 1, 1945. Class 42.

415,086. RADIO RECEIVERS, TRANSMITTERS, AMPLIFIERS AND PARTS OF EACH THEREOF. ELECTRONIC CORPORATION OF AMERICA, New York, N. Y.
Filed January 15, 1945. Serial No. 478,612. PUBLISHED MAY 1, 1945. Class 21.

415,087. MOTOR OILS AND GREASES. J. C. MCCOY, Forth Worth, Tex.
Filed January 17, 1945. Serial No. 478,714. PUBLISHED APRIL 24, 1945. Class 15.

415,088. PERFUME. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y.
Filed January 17, 1945. Serial No. 478,729. PUBLISHED APRIL 24, 1945. Class 6.

415,089. BLOUSES AND DRESSES FOR THE USE OF MISSES. SCHRAGER & MUSTER, INC., New York, N. Y.
Filed January 18, 1945. Serial No. 478,766. PUBLISHED MAY 1, 1945. Class 39.

415,090. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed January 20, 1945. Serial No. 478,834. PUBLISHED APRIL 24, 1945. Class 6.

415,091. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed January 20, 1945. Serial No. 478,835. PUBLISHED APRIL 24, 1945. Class 6.

415,092. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed January 20, 1945. Serial No. 478,836. PUBLISHED APRIL 24, 1945. Class 6.

415,093. WATER SOLUBLE COMPOUND FOR USE AS A COOLANT IN FORMING, SHAPING AND CUTTING OPERATIONS. THE CINCINNATI MILLING MACHINE CO., Cincinnati, Ohio.
Filed January 22, 1945. Serial No. 478,857. PUBLISHED MAY 1, 1945. Class 6.

415,094. PENETRANT AND WETTING AGENT FOR TEXTILE YARNS AND FABRICS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,909. PUBLISHED MAY 1, 1945. Class 6.

415,095. OLEOGINOUS COMPOUND ADAPTED TO BE USED PARTICULARLY AS AN ANTI-ADHESIVE FOR RUBBER SURFACES. THE DUBOIS COMPANY, Cincinnati, Ohio.
Filed January 24, 1945. Serial No. 478,952. PUBLISHED MAY 1, 1945. Class 6.

415,096. DOLLS, TOY STUFFED ANIMALS, TOY AIRPLANES, TOY BOATS, TOY RAILROAD SETS, TOY AUTOMOBILES, SEDANS, TRUCKS, TRAILERS, AND JEEPS, TOY RATTLES, TOY PISTOLS, AND GUNS, TOY BALLS, TOY TEA SETS, DISHES, AND CUTLERY, TOY TELEPHONES, TOY PIANOS, TOY CRADLES, TOY CAROUSELS, AND TOY MUSICAL PULL TOYS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed January 24, 1945. Serial No. 478,959. PUBLISHED MAY 1, 1945. Class 22.

415,097. COAL. ISLAND CREEK COAL SALES COMPANY, Huntington, W. Va.
Filed January 24, 1945. Serial No. 478,961. PUBLISHED MAY 1, 1945. Class 1.

415,098. HOG REMEDY IN THE TREATMENT OF DISEASES, SUCH AS NECRO AND NECRO-ENTERITIS, SWINE PLAGUE, ERYSIPELAS, WORMS, AND INTHRIFTINESS IN HOGS, THUMPS IN YOUNG PIGS, SCOURS AND PNEUMONIA, AND SWINE FLU. SIMON C. SHANNON, Washburn, Ill.
Filed January 24, 1945. Serial No. 478,976. PUBLISHED MAY 1, 1945. Class 6.

415,099. COAL. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn.
Filed January 24, 1945. Serial No. 478,977. PUBLISHED MAY 1, 1945. Class 1.

415,100. VITAMIN MIXTURE FOR USE IN SUPPLEMENTING OR FORTIFYING POULTRY FEEDS WITH RIBOFLAVIN FOR THE PROMOTION OF THE GROWTH AND PRODUCTIVITY OF POULTRY. THE NEW YORK QUININE AND CHEMICAL WORKS, INC., Brooklyn, N. Y.
Filed January 25, 1945. Serial No. 479,011. PUBLISHED MAY 1, 1945. Class 6.

415,101. GASKETS, WASHERS, RINGS, AND DISCS, ALL OF FIBROUS MATERIAL FOR PACKING AND GASKETING USES. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Filed January 27, 1945. Serial No. 479,061. PUBLISHED MAY 1, 1945. Class 45.

415,102. LOCKS, KEYS, AND KEY BLANKS. NATIONAL LOCK COMPANY, Rockford, Ill.
Filed January 27, 1945. Serial No. 479,088. PUBLISHED APRIL 17, 1945. Class 25.

415,103. PREPARATION FOR PRESERVING WOOD AND PREVENTING DESTRUCTION BY TERMITES. PROTECTION PRODUCTS MFG. CO., Kalamazoo, Mich.
Filed January 27, 1945. Serial No. 479,092. PUBLISHED MAY 1, 1945. Class 6.

415,104. COPPER BASE ALLOYS CONTAINING SILICON. THE AJAX METAL COMPANY, Philadelphia, Pa.
Filed January 29, 1945. Serial No. 479,104. PUBLISHED MAY 1, 1945. Class 14.

415,105. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa.
Filed January 31, 1945. Serial No. 479,251. PUBLISHED APRIL 10, 1945. Class 45.

415,106. WHISKEY. PEBBLEFORD DISTILLERY CO., Wilder, Newport, Ky.
Filed January 31, 1945. Serial No. 479,252. PUBLISHED APRIL 24, 1945. Class 49.

415,107. CHILDREN'S, GIRLS' AND MISSES' DRESSES, BLOUSES, SKIRTS, AND PINAFORES. GLEITSMAN, CHOPP & SADOWSKY, New York, N. Y.
Filed February 1, 1945. Serial No. 479,283. PUBLISHED MAY 1, 1945. Class 39.

415,108. PLASTIC CLOTHES PINS. MARIO MACCAFERRI, doing business as French American Reeds Mfg. Co., New York, N. Y.
Filed February 1, 1945. Serial No. 479,292. PUBLISHED APRIL 24, 1945, Class 24.

415,109. NEWS AND ADVISORY BULLETINS PUBLISHED FROM TIME TO TIME FOR INDUSTRIES IN THE COMPANY-EMPLOYEE GARDEN PROGRAM. NATIONAL VICTORY GARDEN INSTITUTE, INC., New York, N. Y.
Filed February 1, 1945. Serial No. 479,296. PUBLISHED APRIL 17, 1945. Class 38.

415,110. PLUG GAGES, THREAD GAGES, RING GAGES, SNAP GAGES, PROFILE GAGES, FLUSH PIN GAGES, AND BUILT-UP GAGES. N. A. WOODWORTH COMPANY, Ferndale, Mich.
Filed February 1, 1945. Serial No. 479,321. PUBLISHED MAY 1, 1945. Class 26.

415,111. IRONING PRESS CLOTHS. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed February 3, 1945. Serial No. 479,380. PUBLISHED APRIL 17, 1945. Class 24.

415,112. GASOLINE. THE TEXAS COMPANY, New York, N. Y.
Filed February 3, 1945. Serial No. 479,406. PUBLISHED APRIL 24, 1945. Class 15.

415,113. BOX SPRINGS, BED SPRINGS, INNER SPRING MATTRESSES, FELT MATTRESSES, SOFA BEDS, STUDIO COUCHES AND PILLOWS. THE GEIER MATTRESS COMPANY, Cincinnati, Ohio.
Filed February 5, 1945. Serial No. 479,430. PUBLISHED MAY 1, 1945. Class 32.

415,114. POWER LAWN MOWERS. SCISSORS WITH CHANGEABLE BLADES AND WRENCHES. B. M. C. MANUFACTURING CORPORATION, Binghamton, N. Y.
Filed February 6, 1945. Serial No. 479,456. PUBLISHED MAY 1, 1945. Class 23.

415,115. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed February 6, 1945. Serial No. 479,498. PUBLISHED MAY 1, 1945. Class 6.

415,116. CANDY. LAFOND CHOCOLATIER, New York, N. Y.
Filed February 7, 1945. Serial No. 479,519. PUBLISHED MAY 1, 1945. Class 46.

415,117. DOLLS, TOY STUFFED ANIMALS, TOY AIRPLANES, TOY BOATS, TOY RAILROAD SETS, TOY AUTOMOBILES, SEDANS, TRUCKS, TRAILERS AND JEEPS, TOY RATTLES, ETC. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed February 8, 1945. Serial No. 479,568. PUBLISHED MAY 1, 1945. Class 22.

415,118. MEN'S AND YOUNG MEN'S SUITS AND PANTS. ROSE BROTHERS, New York, N. Y.
Filed February 8, 1945. Serial No. 479,598. PUBLISHED MAY 11, 1945. Class 39.

415,119. MEN'S AND YOUNG MEN'S SUITS AND PANTS. ROSE BROTHERS, New York, N. Y.
Filed February 8, 1945. Serial No. 479,600. PUBLISHED MAY 1, 1945. Class 39.

415,120. WHISKEY. THE H. E. POGUE DISTILLERY COMPANY, INC., Maysville, Ky.
Filed February 9, 1945. Serial No. 479,643. PUBLISHED APRIL 10, 1945. Class 40.

415,121. PLASTIC TOYS—NAMELY, TOY AIRPLANES, TOY SETS CONSISTING OF TRAY, CUPS, SAUCERS, PITCHER, CREAMER, AND SERVER, TOY WHISTLES, TOY FURNITURE, ETC. RENWAL MANUFACTURING CO., INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,647. PUBLISHED MAY 1, 1945. Class 22.

415,122. TRADE MAGAZINE ISSUED MONTHLY. PUBLIC SERVICE COMPANY OF COLORADO, Denver, Colo.
Filed February 10, 1945. Serial No. 479,691. PUBLISHED APRIL 24, 1945. Class 38.

415,123. PERIODICAL PUBLICATION DEALING PRIMARILY WITH BUSINESS OPPORTUNITIES AND REAL ESTATE. MARGARET L. MUELLER, doing business as Your Personal Representative, Corpus Christi, Tex.
Filed February 13, 1945. Serial No. 479,751. PUBLISHED APRIL 24, 1945. Class 38.

415,124. COMIC STRIP APPEARING IN DAILY NEWSPAPERS. THE MCNAUGHT SYNDICATE, INC., New York, N. Y.
Filed February 15, 1945. Serial No. 479,853. PUBLISHED APRIL 24, 1945. Class 38.

415,125. ELASTIC ADHESIVE BANDAGES. D. C. McLINTOCK COMPANY, Paterson, N. J.
Filed February 16, 1945. Serial No. 479,890. PUBLISHED MAY 1, 1945. Class 44.

415,126. PURE CRYSTALLIZED DEXTROSE FOR FOOD PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed February 19, 1945. Serial No. 479,968. PUBLISHED MAY 1, 1945. Class 46.

415,127. PERFUMES, TOILET WATERS, AND POWDERS. LYNETTE PERFUMES, INC., New York, N. Y.
Filed February 21, 1945. Serial No. 480,075. PUBLISHED MAY 1, 1945. Class 6.

415,128. TWINES, PARTICULARLY SEINE TWINE. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md.
Filed February 21, 1945. Serial No. 480,081. PUBLISHED MAY 1, 1945. Class 7.

415,129. HAIR TONIC. SPIROS COOCHICOS, New York, N. Y.
Filed February 23, 1945. Serial No. 480,131. PUBLISHED MAY 1, 1945. Class 6.

415,130. STUFFED ANIMAL TOYS. NEDRA PATRICK, New York, N. Y.
Filed February 23, 1945. Serial No. 480,144. PUBLISHED MAY 1, 1945. Class 22.

415,131. ASPHALT EMULSION FOR WATERPROOFING. L. SONNEBORN SONS, INC., New York, N. Y.
Filed February 24, 1945. Serial No. 480,209. PUBLISHED APRIL 24, 1945. Class 12.

415,132. TRAFFIC WHISTLES. SPORTS, INC., Chicago, Ill.
Filed February 24, 1945. Serial No. 480,215. PUBLISHED MAY 1, 1945. Class 22.

415,133. WALLETS, TRAVELING KITS AND HAND BAGS. LOUIS AISENSTEIN & BROS., New York, N. Y.
Filed February 28, 1945. Serial No. 480,306. PUBLISHED MAY 1, 1945. Class 3.

415,134. VENTILATING HOSE. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed February 28, 1945. Serial No. 480,358. PUBLISHED MAY 1, 1945. Class 35.

415,135. PRIESSNITZ COMPRESS. PETER SCHLUMBOHM, New York, N. Y.
Filed March 2, 1945. Serial No. 480,426. PUBLISHED MAY 1, 1945. Class 44.

415,136. MEASURING TAPES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed March 9, 1945. Serial No. 480,705. PUBLISHED MAY 1, 1945. Class 26.

415,137. MEASURING TAPES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed March 9, 1945. Serial No. 480,706. PUBLISHED MAY 1, 1945. Class 26.

415,138. MEASURING TAPES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed March 9, 1945. Serial No. 480,707. PUBLISHED MAY 1, 1945. Class 26.

415,139. PRUNE JUICE. STODDARD BROTHERS, INC., Hartford, Conn.
Filed March 9, 1945. Serial No. 480,721. PUBLISHED MAY 1, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,140. (CLASS 12. CONSTRUCTION MATERIALS.) R. D. WERNER CO., INC., New York, N. Y. Filed Nov. 29, 1943. Serial No. 465,379.

PLASTIKTRIM

FOR MOLDED AND EXTRUDED PLASTICS ALONE OR COMBINED WITH METAL LAMINATIONS, APPLIQUÉS, OR SURFACE ORNAMENTATION, AND MADE IN THE FORMS OF ANGLES, CHANNELS, CAP SECTIONS, COVES, FLAT STOCK, PANEL DIVIDERS, DECORATIVE SHAPES, SNAP-ONS, FOR USE AS DECORATIVE FINISHES AND TRIM AND IN COMMERCIAL, INDUSTRIAL, AND ARCHITECTURAL DESIGNS.
Claims use since Mar. 1, 1941.

415,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., New York, N. Y. Filed Mar. 1, 1944. Serial No. 467,875.

LE NOUVEAU PARIS

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Feb. 17, 1944.

415,142. (CLASS 46. FOODS AND INGREDIENTS OF FOODS). JOSEPH I. MURRAY, doing business as T. & M. Drying Co., Port Washington, N. Y. Filed Mar. 3, 1944. Serial No. 467,946.

SWEETLAC

FOR DRIED MILK PRODUCT—NAMELY, A POWDER MADE FROM SKIMMED MILK, WHEY, CEREAL, MALT SYRUP AND LECITHIN, FOR USE BY BAKERS AND MANUFACTURERS OF CONFECTIONERY, ICE CREAM, AND INFANTS' FOODS.
Claims use since Dec. 14, 1942.

415,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SABRY GOLDSMITH, doing business as Goldsmith's Products Co., Chicago, Ill. Filed Mar. 10, 1944. Serial No. 468,138.

GOLDSMITH'S SKIN SMOOTH

FOR SALVE FOR SCALP AND SKIN DISORDERS.
Claims use since Nov. 15, 1943.

415,144. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM S. HIEBER, doing business as Henri Monet, Atlanta, Ga. Filed Apr. 5, 1944. Serial No. 469,048.

Henri Monet

FOR PERFUMES, COLOGNES, TOILET WATERS, FLOWER OILS, FACE POWDER, BODY POWDER, SACHET, ROUGE, LIPSTICKS, SKIN LOTIONS, SKIN CREAMS, NAIL POLISH, MASCARA, AND PREPARATIONS FOR THE TREATMENT AND DRESSING OF THE HAIR AND SCALP.
Claims use since November 1928.

415,145. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COOPER ROLLER BEARINGS COMPANY LIMITED, Norfolk, England. Filed Apr. 14, 1944. Serial No. 469,325.

COOPER

FOR ROLLER BEARINGS.
Claims use since 1888.

415,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONAT & BONAT, INC., New York, N. Y. Filed Apr. 26, 1944. Serial No. 469,667.

BONAT

Barbara Ellen

FOR PERMANENT WAVE LOTIONS, SHAMPOOS AND HAND CREAMS.
Claims use since Apr. 11, 1944.

415,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMICAL FEED PRODUCTS COMPANY, INC., Chicago, Ill. Filed Apr. 28, 1944. Serial No. 469,747.

kemfeed

FOR CHEMICAL MIXES IN THE NATURE OF MINERAL PREPARATIONS ADAPTED FOR USE AS FOOD SUPPLEMENTS IN STOCK OR ANIMAL FEEDS.
Claims use since Mar. 21, 1944.

415,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN-FREDERICS, New York, N. Y. Filed May 9, 1944. Serial No. 470,076.

ANTIQUE GOLD

FOR FACE POWDERS.
Claims use since Apr. 3, 1944.

415,149. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RAND RUBBER COMPANY, Brooklyn, N Y. Filed June 9, 1944. Serial No. 471,099.

Randfilm

FOR DRESS SHIELDS.
Claims use since June 1, 1944.

415,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUMCO PRODUCTS INC., New York, N. Y. Filed June 19, 1944. Serial No. 471,432.

TUBBISEEN

FOR FIRE SCALE REMOVING PREPARATION.
Claims use since Apr. 28, 1944.

415,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE M. HYLAND, doing business as Hyland Laboratories, Los Angeles, Calif. Filed July 18, 1944. Serial No. 472,361.

Hyland Laboratories

FOR BIOLOGICAL PRODUCTS—NAMELY, NORMAL HUMAN PLASMA, DRIED; NORMAL HUMAN PLASMA, LIQUID; NORMAL HUMAN SERUM, USED IN TRANSFUSION TO REPLACE DEPLETED FLUID VOLUME OF PATIENT; BLOOD TYPING SERUM, ANTI-RH SERUM (RHESUS-GUINEA PIG), A LABORATORY TEST REAGENT USED FOR TESTING BLOOD FOR THE RH FACTOR, COMPLEMENT, DRIED (GUINEA PIG), A LABORATORY REAGENT USED IN THE WASSERMAN TEST.
Claim use since Mar. 1, 1940.

415,152. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) R. M. JORDAN AND COMPANY, Providence, R. I. Filed July 22, 1944. Serial No. 472,523.

by Jordan

FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since Oct. 1, 1942.

415,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. ROLLEY, doing business as Rolley Perfumes, San Francisco, Calif. Filed Oct. 28, 1944. Serial No. 475,811.

ROLLEY

FOR PERFUMES, COLOGNES, SACHETS, CLEANSING CREAMS AND HAND AND SKIN LOTIONS.
Claims use since Apr. 28, 1940.

415,154. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALTER D. BEHLEN, Columbus, Nebr. Filed Nov. 3, 1944. Serial No. 476,041.

CORD-GRIP

FOR HUSKING ROLLERS USED IN CORN HARVESTING MACHINES.
Claims use since Apr. 15, 1944.

415,155. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLUMBUS JOSEPH GRIFFIN, Winston-Salem, N. C., and Lancaster, S. C. Filed Dec. 14, 1944. Serial No. 477,730.

GRIFFIN'S

FOR HEADACHE POWDERS.
Claims use since Feb. 19, 1941.

415,156. (CLASS 37. PAPER AND STATIONERY.) ARTHUR J. GAVRIN, doing business as Arthur J. Gavrin Press, New Rochelle, N. Y. Filed Dec. 19, 1944. Serial No. 477,739.

Snap Easy

FOR PRINTED MULTIPLE FORMS INTER-LEAVED WITH CARBON, IN THE NATURE OF SALES SLIPS, INVOICES, BILLS OF LADING, AND SPECIAL PROFESSIONAL AND COMMERCIAL FORMS PRINTED TO ORDER.
Claims use since Nov. 1, 1941.

415,157. (CLASS 37. PAPER AND STATIONERY.) BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Dec. 29, 1944. Serial No. 478,025.

"CELLOPHANE"

FOR MARKING PENCILS.
Claims use since Apr. 28, 1932.

415,158. (CLASS 12. CONSTRUCTION MATERIALS.) JOE W. HAWLEY, doing business as Slats-O-Wood Awning Co., Houston, Tex. Filed Jan. 5, 1945. Serial No. 478,277.

SLATS-O-WOOD

FOR WOODEN AWNINGS FOR USE ON BUILDINGS.
Claims use since Jan. 1, 1943.

415,159. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) GAGNIER BROTHERS, Churubusco, N. Y. Filed Jan. 20, 1945. Serial No. 478,812.

ADIRONDACK BRAND

FOR SEED POTATOES.
Claims use since Jan. 1, 1930.

415,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALMOR PRODUCTS CO., also doing business as Famous Products Co., Chicago, Ill. Filed Jan. 31, 1945. Serial No. 479,261.

Keep Sweet

FOR DEODORANT.
Claims use since Dec. 7, 1932.

415,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH HANDLER, doing business as Mercer Oil and Chemical Company, Philadelphia, Pa. Filed Feb. 6, 1945. Serial No. 479,476.

HANDEE

FIRE EXTINGUISHER FLUID

FOR FIRE EXTINGUISHER FLUID.
Claims use since December 1941.

415,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOLIDAY, INC., New York, N. Y. Filed Feb. 16, 1945. Serial No. 479,876.

TOBRUK

FOR COLOGNE, TOILET WATER, AND PERFUME.
Claims use since 1940.

415,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y. Filed Feb. 20, 1945. Serial No. 480,036.

Beauty Preserves

FOR FACE AND HAND CREAMS.
Claims use since Nov. 18, 1943.

415,164. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945. Serial No. 480,171.

SAFETY-LINEN SOUR

FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

415,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. TOM PHILLIPS, New York, N. Y. Filed Feb. 28, 1945. Serial No. 480,345.

Barbizon

FOR TOILET WATERS, COLOGNES, PERFUMES, FACE AND BODY POWDERS, TALCUM POWDER, FACE, HAND AND BODY LOTIONS AND CREAMS, COLD CREAM, LIPSTICKS, EYEBROW PENCILS AND ROUGE.
Claims use since January 1940.

415,166. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MALCOLM R. WHITE, Haverstraw, N. Y. Filed Mar. 1, 1945. Serial No. 480,396.

PLASTICLAD WIRE

FOR ELECTRIC WIRE.
Claims use since Dec. 20, 1940.

415,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICALS PREPARATIONS.) VAL-A COMPANY, Chicago, Ill. Filed Mar. 2, 1945. Serial No. 480,428.

RUST-RID

FOR CHEMICAL PREPARATION FOR DISPOSING OF RUST.
Claims use since May 1942.

415,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL O. SCHLUETER, doing business as C. O. Schlueter Medicine Co., Evansville, Ind. Filed Mar. 16, 1945. Serial No. 481,000.

SCHLUETER'S REAL-PINK OINTMENT

FOR OINTMENT FOR THE TREATMENT OF SUPERFICIAL IRRITATIONS OF THE SKIN AND SCALP, BITES AND STINGS OF INSECTS AND RINGWORM OF THE FEET AND TOES.
Claims use since 1937.

415,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Apr. 6, 1945. Serial No. 481,816.

ALKALI SPECIAL

FOR CAUSTIC SODA AND SODA ASH COMPOSITION FOR USE AS A WATER CONDITIONING AGENT AND SOAP BUILDER.
Claims use since March 1927.

TRADE-MARK REGISTRATIONS RENEWED

26,355. **REPRESENTATION OF A BULL'S HEAD.** MUSTARD, MUSTARD OIL FOR HUMAN USE, MUSTARD REFUSE AND MUSTARD CAKE FOR MANURE, AND MUSTARD OIL FOR ILLUMINATING, HEATING, OR LUBRICATING PURPOSES. Registered Apr. 9, 1895. J. & J. COLMAN, London, England. Re-renewed Apr. 9, 1945, to J. & J. Colman, Ltd., Norwich, England, a limited liability company of the United Kingdom of Great Britain and Northern Ireland, assignee. Classes 6, 10, 15, and 46.

45,341. **QUEEN OF THE PANTRY.** WHEAT-FLOUR. Registered Aug. 15, 1905. WAGGONER-GATES MILLING COMPANY, Independence, Mo., a corporation of Missouri. Re-renewed Aug. 15, 1945. Class 46.

45,788. **"PABST'S OKAY" AND DRAWING.** MEDICINE SPECIFIC FOR GONORRHEA, GLEET, LEUCORRHEA, KIDNEY AND BLADDER AFFECTIONS, AND CHRONIC SEMINAL AND MUCOUS DISCHARGES. Registered Aug. 29, 1905. PABST CHEMICAL COMPANY. Re-renewed Aug. 29, 1945, to Pabst Chemical Co., Chicago, Ill., a corporation of Illinois, successor. Class 6.

46,068. **KITCHEN BOUQUET.** CULINARY COLORING AND FLAVORING EXTRACTS. Registered Sept. 5, 1905. THE PALISADE MANUFACTURING COMPANY, West Hoboken, N. J. Re-renewed Sept. 5, 1945, to Grocery Store Products Co., Union City, N. J., a corporation of Delaware, assignee by mesne assignments. Class 46.

46,355. **PAZO E W GROVE.** ARTIFICIAL OINTMENT. Registered Sept. 12, 1905. PARIS MEDICINE CO., St. Louis, Mo. Re-renewed Sept. 12, 1945, to The Grove Laboratories, Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.

46,395. **"LAXATIVE BROMO QUININE L B Q" ETC.** REMEDIES FOR COUGHS, COLDS, AND HEADACHES. Registered Sept. 19, 1905. PARIS MEDICINE CO., St. Louis, Mo. Re-renewed Sept. 19, 1945, to The Grove Laboratories, Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.

46,490. **REPRESENTATION OF A DESIGN COMPOSED OF S AND Z FIGURES.** PLAYING-CARDS. Registered Sept. 19, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Sept. 19, 1945, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 22.

126,743. **PINE-O-PINE.** ANTISEPTICS AND DISINFECTANTS FOR GENERAL USE PUT UP IN LIQUID FORM. Registered Sept. 30, 1919. JOHN PAPPERMAN. Renewed Sept. 30, 1939, to Pine-O-Pine Company of Texas, Houston, Tex., a corporation of Texas, assignee. Class 6.

165,079. **"SUNRISE" AND DRAWING.** CHEESE AND PRESERVED CHEESE. Registered Mar. 6, 1923. KÄSEEXPORT A. G. GOLDBACH (EMMENTHAL), Goldbach, near Burgdorf, Switzerland, an organized company of Switzerland. Renewed Mar. 6, 1943. Class 46.

173,615. **RICHLAND.** CANNED FRUITS AND CANNED VEGETABLES. Registered Oct. 2, 1923. OREGON GROWERS COOPERATIVE ASSOCIATION. Renewed Oct. 2, 1943, to Paulus Bros. Packing Company, Salem, Oreg., a corporation of Oregon, assignee by mesne assignments. Class 46.

193,188. **ONE OF THE FAMILY.** CEREAL FOODS, SPECIFICALLY HEALTH BRAN, FARINA, PANCAKE FLOUR (A MIXTURE OF WHEAT, CORN, RICE, AND RYE FLOURS), AND BUCKWHEAT PANCAKE FLOUR (A MIXTURE OF BUCKWHEAT, WHEAT, AND CORN FLOURS). Registered Dec. 23, 1924. PILLSBURY FLOUR MILLS COMPANY. Renewed Dec. 23, 1944, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

193,629. **"EL GUADALQUIVIR" ETC. AND DRAWING. OLIVE OIL.** Registered Jan. 6, 1925. M. G. LONGORIA. Renewed Jan. 6, 1945, to Miguel Garcia de Longoria y Fernandez and Andres Avelino Naredo Cuvillas, Seville, Spain, a firm, successor. Class 46.

194,339. **"BAKO" AND DESIGN.** READY-MIXED PAINTS, PAINT ENAMEL, CRACK SEALER, AND PAINT REMOVER. Registered Jan. 20, 1925. BAKO PROCESS COMPANY. Renewed Jan. 20, 1945, to J. Edward Collins, doing business as Bako Company, Minneapolis, Minn., assignee by mesne assignments. Class 16.

194,510. **ALPINA.** WATCHES. Registered Jan. 27, 1925. UNION HORLOGÈRE S. A., Bienne, Switzerland. Renewed Jan. 27, 1945, to Alpina Union Horlogere, A. G., Biel, Switzerland, a corporation of Switzerland, by change of name. Class 27.

196,041. **DOMINETTA.** CANNED FRUITS AND CANNED VEGETABLES. Registered Mar. 10, 1925. D. DI FIORE CANNING CO. Renewed Mar. 10, 1945, to D. Di Fiore Canning Co., San Jose, Calif., a partnership, successor. Class 46.

196,997. **"POLVOS MAJA" AND DRAWING.** MASSAGE CREAM, TOILET CREAM, COLD CREAM, ANTISEPTIC CREAM, ALMOND CREAM, PERFUMERY ESSENCES, SCENTS, ESSENTIAL OILS, PERFUMERY EXTRACTS, SACHET POWDER, FACE POWDER, TOILET POWDER, ANTISEPTIC POWDER, TOILET WATERS, TOOTH PASTE AND POWDER, POWDER FOR CLEANING THE NAILS AND NAIL ENAMEL, CHEMICALS FOR IMPARTING ODOR OR COLOR TO PERFUMES, TOILET ROUGE, FOOT POWDER, MOUTH WASH, EYEBROW PENCILS, AND HAND LOTION. Registered Apr. 7, 1925. MYRURGIA, SOCIEDAD ANÓNIMA, Barcelona, Spain, an organized company of Spain. Renewed Apr. 7, 1945. Class 6.

197,055. **REPRESENTATION OF PLAYING CARD ACE OF DIAMOND.** EAVES, TROUGHS, GUTTERS, EAVES-TROUGH OUTLETS, SKYLIGHTS; SCREENS, ROOF, DOOR, AND WINDOW; FLASHING, DRAIN SPOUTS, METAL ROOFING AND ROOFS, METAL FRAMES FOR WINDOWS AND DOORS. Registered Apr. 7, 1925. JOSEPH WIDMAN, doing business as Ace Sheet Metal Works. Renewed Apr. 7, 1945, to Emma Widman, doing business as Ace Metal Products Company, Los Angeles, Calif., successor. Class 12.

197,224. **"RELIANCE" AND DESIGNS.** COMBS, HAIRPINS, HAIR BUCKLES, AND HAIR CLASPS, ALL OTHER THAN PRECIOUS-METAL WARE. Registered Apr. 14, 1925. NEW YORK HAMBURGER GUMMIWAAREN COMPAGNIE, Hamburg, Germany. Renewed Apr. 14, 1945, to S. & G. Rubber Company, Inc., Westwood, N. J., a corporation of New York, assignee. Class 40.

197,351. **Y-ER-EAS.** A COMPOUND FOR LUBRICATING ELECTRICAL WIRES AND CABLES TO PERMIT SAME TO SLIDE EASILY THROUGH CONDUITS. Registered Apr. 14, 1925. THE ELECTRO COMPOUND CO. Renewed Apr. 14, 1945, to Gustave R. Esping, Cleveland, Ohio, assignee. Class 15.

197,633. **OMECO.** CANNED SHRIMP, ROLLED OATS, COCOA, MINCEMEAT, SLICED BEEF, PEANUT BUTTER, TOMATO CATCHUP, AND TABLE SIRUP. Registered Apr. 21, 1925. OPPENHEIM & MCEWAN CO. INC., Albany, N. Y., a corporation of New York. Renewed Apr. 21, 1945. Class 46.

198,700. **SWEET-UM.** FRUIT JELLIES. Registered May 26, 1925. ANC-CO PRESERVING CO. Renewed May 26, 1945, to The Bama Company, Birmingham, Ala., a firm, successor. Class 46.

198,792. **"KNOX KNIT" AND DRAWING.** KNIT GOODS FOR MEN, WOMEN, AND CHILDREN—NAMELY, HOSIERY, UNDERWEAR, AND SWEATERS. Registered May 26, 1925. KNOXVILLE KNITTING MILLS CO. Renewed May 26, 1945, to Appalachian Mills Company, Knoxville, Tenn., a corporation of Tennessee, assignee. Class 39.

198,980. **DRATEX.** PARTICULAR QUALITY OF COTTON DUCK USED IN THE MANUFACTURE OF WINDOW SHADES. Registered June 2, 1925. LUTHER O. DRAPER, doing business as Luther O. Draper Shade Company. Renewed June 2, 1945 to Luther O. Draper Shade Company, Spiceland, Ind., a partnership, assignee. Class 42.

199,045. **"COUNTRY DRY".** CARBONATED BEVERAGES—NAMELY, GINGER ALE, ORANGE, STRAWBERRY, LEMON, SARSAPARILLA, CREAM SODA, ROOT BEER, BIRCH BEER. Registered June 2, 1925. MORRIS I. KATZ, doing business as Country Club Beverage Company. Renewed June 2, 1945, to Country Club Soda Company, Inc., Springfield, Mass., a corporation of Massachusetts, successor. Class 45.

199,397. **U S G.** BRUSHES FOR USE ON ELECTRIC MOTORS AND GENERATORS. Registered June 9, 1925. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Renewed June 9, 1945. Class 21.

199,616. **RISING SUN.** FRESH APPLES, CANTALOUPES, ORANGES, LEMONS, PEARS, CHERRIES, AND PEACHES. Registered June 16, 1925. F. E. NELLIS & COMPANY. Renewed June 16, 1945, to Lawrence Fruit Company, Chicago, Ill., a corporation of Ill., assignee. Class 46.

199,894. **"FIELD'S UNIT SHOE" AND DESIGN.** SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC, EXCEPT WOMEN'S SHOES. Registered June 23, 1925. FIELD & FLINT CO., Boston and Brockton, Mass. Renewed June 23, 1945, to Field and Flint Co., Brockton, Mass., a corporation of Massachusetts. Class 39.

200,701. **COLLATONE.** GLUE PRESERVER. Registered July 7, 1925. LYSOL INC., New York, N. Y. Renewed July 7, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, by merger and change of name. Class 6.

201,315. **KOLDKING.** REFRIGERATORS, ICE CHESTS, WATER COOLERS, WATER FILTERS, ICE-CREAM FREEZERS, AND ICE-CREAM CABINETS. Registered July 21, 1925. BRAGER OF BALTIMORE. Renewed July 21, 1945, to Brager-Eisenberg, Inc., Baltimore, Md., a corporation of Maryland, assignee. Class 31.

201,354. **"DALE BRAND" AND DRAWING.** DECIDUOUS FRUITS IN THEIR NATURAL STATE, FRESH GRAPES, FRESH CITROUS FRUITS, DRIED DATES, AND FRESH POMEGRANATES. Registered July 21, 1925. ARIZONA ORCHARD COMPANY, Phoenix, Ariz. Renewed July 21, 1945, to Dale Bumstead, Peoria, Ariz., successor. Class 46.

201,681. **"BLACK STRIPE VIM" AND DESIGN.** ROUND LEATHER CORD AND ROUND LEATHER BELTING. Registered Aug. 4, 1925. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 4, 1945. Class 35.

201,871. **SURGE.** MILKER UNITS. Registered Aug. 11, 1925. PINE TREE MILKING MACHINE CO. Renewed Aug. 11, 1945, to Babson Bros. Co., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments. Class 23.

201,893. **REPRESENTATION OF TWO BLACK AND TWO GREEN STRIPES ON THE GOODS.** ROUND LEATHER CORD AND LEATHER BELTING. Registered Aug. 11, 1925. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 11, 1945. Class 35.

202,151. **LUMINUMSTRYPE.** OVERCOATS, TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. Registered Aug. 18, 1925. CHAS. DOUGLIS MACK CO. INC., New York, N. Y. Renewed Aug. 18, 1945, to Morris Mack, Jamaica, Long Island, N. Y., assignee by mesne assignments. Class 39.

202,542. **"REVERE" AND DRAWING.** RUBBER THREAD. Registered Aug. 25, 1925. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed Aug. 25, 1945, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 43.

202,786. **PARIS.** NARROW ELASTIC. Registered Sept. 1, 1925. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1945. Class 40.

202,793. **"ACTION" AND DRAWING.** PERIODICAL PUBLICATION USED ONLY IN CONNECTION WITH THE ADVERTISING AND PRINTING TRADE. Registered Sept. 1, 1925. A. B. HIRSCHFELD, doing business as The A. B. Hirschfeld Press. Renewed Sept. 1, 1945, to The A. B. Hirschfeld Press, Denver, Colo., a copartnership, successor. Class 38.

202,965. **FAIRWAY.** GOLF BALLS. Registered Sept. 8, 1925. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 22.

202,995. **SILVERSTRYPE.** MEN'S, BOYS', AND YOUTHS' CLOTHING—VIZ, OVERCOATS; TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; FOUR-PIECE SUITS—VIZ, COATS, VESTS, AND TWO PAIRS OF TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. Registered Sept. 8, 1925. CHAS. DOUGLIS MACK CO. INC., also doing business as Silverstrype Co., Inc., New York, N. Y. Renewed Sept. 8, 1945, to Morris Mack, Jamaica, Long Island, N. Y., assignee by mesne assignments. Class 39.

203,028. **"FORT LOUDOUN" ETC. AND DRAWING.** MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY; MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS; MEN'S AND BOYS' DRESS AND WORK SHIRTS; MEN'S, BOYS' AND YOUTHS' OVERALLS; MEN'S BOYS AND YOUTHS' WORK PANTS; AND MEN'S CRAVATS. Registered Sept. 8, 1925. T. J. COOPER & SONS. Renewed Sept. 8, 1945, to W. H. Bosserman & Son, Winchester, Va., a partnership, successor. Class 39.

203,295. **PEGGY.** COLD CREAM, ALMOND CREAM, MASSAGE CREAM, LETTUCE CREAM, WHITENING CREAM, VANISHING CREAM, CUTICLE CREAM, FACE POWDER, POWDER COMPACT, ROUGE COMPACT, ROUGE, RACHEL COMPACT, COCONUT SHAMPOO, TAR SHAMPOO, PINE SHAMPOO, HENNA SHAMPOO, LIP STICK, EYEBROW PENCIL, HAIR TONIC, HAIR REMOVER, HAIR WHITENING, NAIL POLISH, LIQUID NAIL POLISH, CUTICLE REMOVER, MANICURE OIL, ROUGH-SKIN LOTION, HAIR DYES, PERFUMERY IN ALL FORMS, TOILET WATER IN ALL FORMS, PETROLEUM JELLY, AND WITCH-HAZEL. Registered Sept. 15, 1925. CARLOVA, INC., New York, N. Y. Renewed Sept. 15, 1945, to Peggy Sage, Inc., Stamford, Conn., a corporation of New York, assignee. Class 6.

203,348. **"STACOMB" ETC. AND DRAWING.** POMADES FOR THE HAIR. Registered Sept. 15, 1925. STANDARD LABORATORIES, INC., Los Angeles, Calif., and New York, N. Y. Renewed Sept. 15, 1945, to Standard Laboratories, Inc., New York, N. Y., a corporation of New York, assignee. Class 6.

203,432. **"U S G" AND DESIGN.** GRAPHITE PAINT AND LOCOMOTIVE-FRONT-END GRAPHITE COATING. Registered Sept. 15, 1925. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Renewed Sept. 15, 1945. Class 16.

203,511. **"LENIDOL" AND DRAWING.** REMEDY FOR THE TREATMENT OF RHEUMATISM, SCIATICA, GOUT, NEURALGIA, AND LUMBAGO. Registered Sept. 22, 1925. AURELIO V. RENZULLI, doing business as Renzulli Laboratories, Jersey City, N. J. Renewed Sept. 22, 1945. Class 6.

203,524. **GLOVARIAN.** ENDOCRINE OR ANIMAL GLAND PRODUCTS FOR OVARIAN AND PITUITARY TROUBLES. Registered Sept. 22, 1925. SCHIEFFELIN & COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 6.

203,531. **"YACHT CLUB" AND DRAWING.** SALAD DRESSING, COFFEE, CATCHUP, CHILI SAUCE, CANNED SALMON, CANNED SARDINES, CANNED SOUP, CANNED BAKED BEANS, AND OLIVE OIL. Registered Sept. 22, 1925. REID, MURDOCH & Co., Chicago, Ill., a corporation of Illinois. Renewed Sept. 22, 1945. Class 46.

203,644. **SECURITY.** MARKING TICKETS. Registered Sept. 22, 1925. A. KIMBALL COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 37.

203,694. **"BLUE SEAL DRY BATTERY" AND DESIGN.** DRY BATTERIES. Registered Sept. 22, 1925. MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED. Renewed Sept. 22, 1945, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 21.

203,706. **REPRESENTATION OF A DESIGN COMPOSED OF TWO SEGMENTS OF A CIRCLE AND EXTENDED CHORDS.** ASPHALT AND ASPHALT BRICK FILLER. Registered Sept. 22, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Sept. 22, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee. Class 12.

204,009. **RED LILY.** CANNED FRUITS, BERRIES; VEGETABLES, FRUIT SALAD, TOMATO PURÉE, SAUERKRAUT, JAMS, APPLE SAUCE, CRANBERRY SAUCE, AND PORK WITH BEANS; BOTTLED RASPBERRY JAM, RASPBERRY PRESERVES, TOMATO CATCHUP, PICKLES, VINEGAR; DRIED CURRANTS, PRUNES, AND RAISINS, GUAVA JELLY, AND SPICES. Registered Oct. 6, 1925. REID, MURDOCH & CO., Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.

204,011. **WHITE HORSE.** CANNED FRUITS AND FRUIT PRESERVES, CANNED VEGETABLES; CANNED SEA FOODS—NAMELY, CLAMS, SHRIMP, SALMON, AND HERRING; DRIED FRUITS, AND MOLASSES. Registered Oct. 6, 1925. REID, MURDOCH & CO., Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.

204,034. **G. L.** VARNISHES, PAINT ENAMELS, STAINS, UNDERCOATING, FLOOR OILS, PREPARED SHELLACS, OUTSIDE PAINT, INTERIOR PAINT, FLOOR PAINT, LACQUERS, AND LINOLEUM VARNISH WITH A LUSTROUS FINISH. Registered Oct. 6, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 16.

204,036. **"UNIVERSAL SHOE MANUFACTURING CO." AND DESIGN.** LEATHER SHOES. Registered Oct. 6, 1925. CRADDOCK-TERRY CO. Renewed Oct. 6, 1945, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia, assignee. Class 39.

204,057. **POINSETTIA.** HAMS AND BACON. Registered Oct. 6, 1925. STANDARD PACKING CO., Los Angeles, Calif., a corporation of California. Renewed Oct. 6, 1945. Class 46.

204,127. **DAD'S DOUBLE.** LEATHER SOLES, AND LEATHER AND COMBINATION CLOTH AND LEATHER SHOES. Registered Oct. 6, 1925. MELVILLE SHOE CORPORATION, New York, N. Y., a corporation of New York. Renewed Oct. 6, 1945. Class 39.

204,128. **PAVEMENT POUNDERS.** COMPOSITION SOLES FOR SHOES, AND LEATHER AND COMBINATION CLOTH AND LEATHER SHOES. Registered Oct. 6, 1925. MELVILLE SHOE CORPORATION, New York, N. Y., a corporation of New York. Renewed Oct. 6, 1945. Class 39.

204,138. **PILGRIMS.** CAKES. Registered Oct. 6, 1925. ONTARIO BISCUIT COMPANY, Buffalo, N. Y. Renewed Oct. 6, 1945, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware, assignee. Class 46.

204,156. **MI-GEL.** GELATIN DESSERTS OF VARIOUS FLAVOR. Registered Oct. 6, 1925. JAMES CHALMERS, JR., doing business as Chalmers Products Co. Renewed Oct. 6, 1945, to Chalmers Gelatine Corp., Williamsville, N. Y., a corporation of New York, assignee. Class 46.

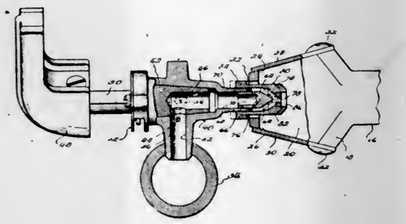
PATENTS

GRANTED JULY 10, 1945

2,379,854
GAS VALVE

Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois

Application September 23, 1940, Serial No. 357,869
1 Claim. (Cl. 158—118)



In a gas valve including valve body structure defining an outlet passageway through which gas is adapted to be supplied to the mixing tube of a gas burner and having an effective area such that substantially full manifold pressure may exist therein, the combination including, structure supported by the valve body structure at the outer end of the outlet passageway and terminating in a closed central conical end and having the entire communication means from the structure comprising a non-adjustable fixed area flow restricting passage means, a hood spaced from and surrounding the closed conical end of said structure and cooperating with said structure to form a chamber, said hood being mounted on the valve body structure for movement relative to the conical end and terminating in an end wall having an orifice therein disposed substantially co-axially of the conical end and communicating directly with said chamber and constituting with said conical end an adjustable area velocity adjusting orifice, the area of said fixed passage means being small with respect to the areas of the outlet passageway and adjusted area of the adjustable orifice, whereby the size of the fixed area passage means primarily determines the quantity of gas supplied through the valve and the pressure drop across the fixed area passage means is large compared to the pressure drop across the adjustable area orifice and the adjustable area orifice is adjustable to vary the velocity of the gas without substantially varying the quantity of gas flowing through it.

2,379,855
FLUIDS FOR FLUID PRESSURE SYSTEMS

Charles E. Allderdice, Jr., Chicago, Ill., assignor to The Bell Co., Inc., Chicago, Ill., a corporation of Illinois

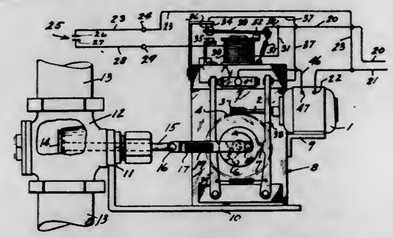
No Drawing. Application December 24, 1943, Serial No. 515,587
4 Claims. (Cl. 252—76)

1. A fluid for fluid pressure systems consisting of substantially the following proportions by volume: 20% castor oil, 20% amyl alcohols and 60% diethylene glycol monoethyl ether and an acid neutralizer.

2,379,856
ELECTRICAL MECHANISM AND WIRING CIRCUITS THEREFOR

Charles E. Armstrong, Portland, Oreg., assignor to Armstrong Heat Control Co., Portland, Oreg.

Application April 25, 1941, Serial No. 390,292
2 Claims. (Cl. 172—240)

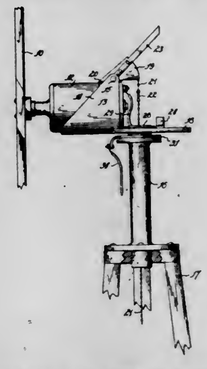


2. An electrically operated device, comprising an electric motor connected in a circuit to a source of electrical supply through an electric relay, said relay also being connected to said source of supply and having two switches associated therewith and operable thereby, a pair of switches operatively connected with said motor and adapted to be opened and closed thereby, said pair of switches being electrically connected with the switches of the relay whereby, current from the source may be alternately directed to the motor by operation of the relay switches, a two-wire circuit extending from the relay to a temperature sensitive switch remotely disposed from the device to the source of supply whereby closing or opening of said switch will actuate the relay to direct current to the motor for a predetermined length of time.

2,379,857
WIND WHEEL GENERATOR

Olaf Bakke, De Sart, N. Dak.

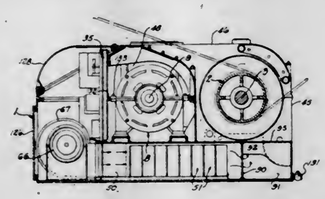
Application May 26, 1944, Serial No. 537,455
2 Claims. (Cl. 290—44)



1. A wind wheel generator comprising a generator and wind wheel associated therewith for operation of the generator, a U-shape cradle approximating the length of the genera-

tor with the lower portion of said cradle curved transversely approximating the shape of the lower portion of the generator casing firmly seated therein in normal position, said supporting cradle offering minimum resistance to the flow of air to the wind wheel and having upstanding spaced apart side members between which the generator is pivoted at the upper part of the rear end thereof by a bolt extending between the side members to permit tilting movement of the generator, a rearward extension at the lower end of the cradle, a supporting standard, and a turntable connecting the cradle to the standard, whereby the generator and wind wheel may have a tilting movement in the cradle and the latter is adapted to turn responsive to the direction of the wind; together with wire connections between the generator and standard including a connector post extending through the rearward extension of the cradle, and a ring on the upper end of the supporting standard around the turntable element carried thereby.

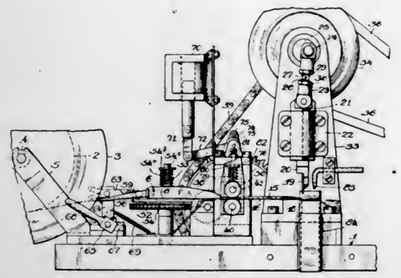
2,379,858
WINCH
Henry F. Banzhaf, Milwaukee, Wis., and Alexander Finlay, Marquette, Mich., assignors, by mesne assignments, to American Hoist & Derrick Company, St. Paul, Minn., a corporation of Delaware
Application December 15, 1941, Serial No. 423,056
15 Claims. (Cl. 254—186)



7. A cargo winch comprising a housing, a rotatable drum supported on the housing, an electric motor disposed within the housing, gearing between the motor and the drum, control instrumentalities for the electric motor including a control panel and resistor units, said housing being internally partitioned to provide a gear box for said gearing, and a compartment for said electric motor and said control panel, said housing having an air inlet communicating with said compartment and also having an air outlet, a duct within the housing leading from said compartment to the outlet and accommodating said resistor units, and means for circulating air through the air inlet, compartment, and duct, and thence through the outlet to the atmosphere, said housing comprising upper and lower sections, means for releasably securing said sections together, the upper section being removable to provide for access to the electric motor, the gearing and said control panel, said lower section having a removable plate for providing for convenient access to said resistor units.

2,379,859
STAMP HINGE FOLDING, CUTTING, AND PACKAGING ASSEMBLY
Charles W. Barnard, Detroit, Mich.
Application July 3, 1941, Serial No. 400,954
12 Claims. (Cl. 93—1)

1. A machine for successively folding, creasing and cutting a predetermined number of stamp hinges from a roll of gummed stock, comprising a member through which the gummed stock passes for folding the stock as it is fed from the roll, feeding mechanism including separable rolls for drawing the gummed stock through the folder



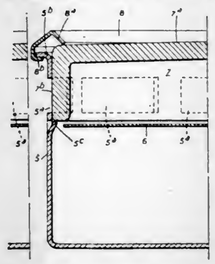
and for creasing it, hinge cutting mechanism to which the folded and creased stock is fed from the feeding mechanism, and electrically actuated mechanism for separating the rolls and rendering the feeding mechanism inoperative when a specified number of hinges have been produced.

2,379,860
MEANS TO SUSPEND THE STRUCTURE OF A VEHICLE ON ITS WHEELS
Vincent Bogatich, Detroit, Mich.
Application January 21, 1942, Serial No. 427,671
7 Claims. (Cl. 267—11)



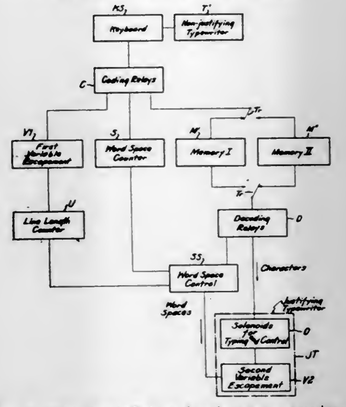
1. In a suspension for a vehicle having an axle member and a body member, a spring having its midpoint fastened to one of said members, a pair of links pivoted directly to the same member at link-member pivot points within compass of the ends of said spring and equidistant in opposite directions from the midpoint of said spring, a pair of levers pivoted directly to the other member at lever-member pivot points spaced apart substantially the same distance as said link-member pivot points, and to said links at lever-link pivot points, the ends of said spring being pivotally attached to said levers at spring-lever pivot points, the distance from the lever-member pivot point to the spring-lever pivot point on each lever being substantially equal to the distended half-spring length less half the distance between the two lever-member pivot points, the distance between the lever-link pivot point and the link-member pivot point on each link being substantially equal to the distance between the lever-member pivot point and the lever-link pivot point on each lever, the distance between the two link-member pivot points being substantially equal to the distance between the two lever-member pivot points, whereby said body member retains a substantially level position in compression or expansion of said spring at either end.

2,379,861
COVER FOR THE DIALS OF INSTRUMENTS AND THE LIKE
Donald Bennion Browne, Harpenden, and Rex Henry George Painter, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1945, Serial No. 576,946
In Great Britain November 1, 1943
3 Claims. (Cl. 73—431)



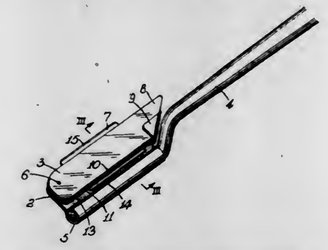
2. A casing for a measuring instrument comprising a cup-shaped body which has a lateral wall portion formed of opaque material and provided with one or more apertures near the mouth of said body and which is adapted to receive a dial below the apertures, said body being devoid of external lateral surface projections whereby it may be inserted into an instrument panel through an opening of a configuration corresponding to the general contour of said body, a transparent inverted cup-shaped cover closing the mouth of said body, said cover including a side wall portion which snugly fits said lateral wall portion and extends about the apertures, whereby the casing is substantially sealed against ingress of moisture and dust between said body and cover and whereby light from a source without the casing may pass through said lateral and side wall portions to the dial and be reflected therefrom through the base of said cover, and means for maintaining said cover in position relative to said body.

2,379,862
JUSTIFYING TYPEWRITER
Vannevar Bush, East Jaffrey, N. H., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 31, 1942, Serial No. 453,090
18 Claims. (Cl. 197—84)



8. In a self-justifying typing apparatus, a keyboard, a typing unit having a variable carriage escapement mechanism and operators for transcribing characters and a word space, said escapement mechanism including a plurality of stop means individually controlled by said operators to determine the advance of the carriage in integral multiples of an escapement unit of fixed magnitude, memory unit means including recording means controlled from said keyboard for recording the sequence of key actuations in the composing of a line of copy, means for registering the length of the composed line and the number of word spaces therein, means operable automatically after the recording of a composed line in said memory unit means for connecting said memory unit means to the typing unit operators for transcribing the recorded sequence of key actuations to said typing unit, and means controlled by the registered line length and the registered number of word spaces for selecting for actuation in the transcribing of word spaces stop means for increasing the length of the transcribed line to a preselected line length value.

2,379,863
HOLDER FOR RAZOR BLADES
Charles William Caldwell, Johannesburg, Transvaal, Union of South Africa
Application May 20, 1944, Serial No. 536,573
1 Claim. (Cl. 30—331)

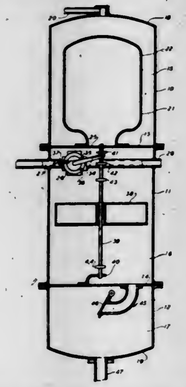


A razor blade holder comprising a handle, a jaw fixed to said handle and providing an anti-slipping surface for a razor blade to rest upon and also providing a shoulder for one edge of the razor blade to rest against; a movable jaw pivoted to the fixed jaw to swing into and out of a position in which it clamps the razor blade against the anti-slipping surface; and means, on the fixed jaw, for so holding said movable jaw in its clamping position that said movable jaw, which is initially curved convexly to the fixed jaw, is elastically flattened against the inserted razor blade.

2,379,864
CRANKCASE OIL PURIFIER
Hugh Harley Cannon, Los Angeles, Calif.
Application April 7, 1942, Serial No. 438,046
2 Claims. (Cl. 210—164)

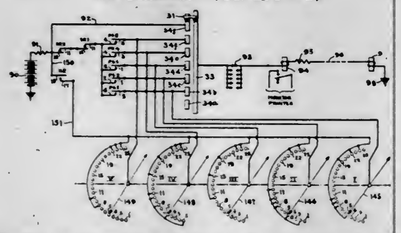
1. Apparatus for purifying oil drawn from the crankcase of an internal combustion engine, comprising: a cylindrical casing vertically arranged and divided into an upper, a medial and a lower compartment by an upper and a lower horizontal partition: a hollow filtering element axially disposed within said upper chamber and mounted on said upper partition, the major part of the filtering surface thereof being vertically arranged; a channel communicating with said crankcase and discharging centrally onto the closed upper end of said filtering element; a port in said upper partition affording constant and unimpeded communication between the interior of said filtering element and said medial cham-

ber; a reciprocable valve within said medial chamber, said valve having ports communicating with the interior of said chamber; channels connecting said valve respectively with the outside atmosphere and with the intake manifold of said engine; passages within said valve arranged to place said channels alternately in communication with said ports when said valve is reciprocated; a float within said medial chamber operatively connected with said valve to reciprocate the same



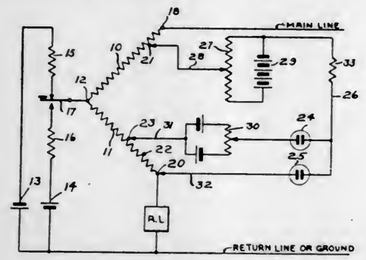
and thereby to open said atmosphere channel and close said manifold channel as said medial chamber fills with filtered oil and to reverse said movements when said medial chamber empties; a channel affording communication between said medial chamber and said lower chamber and a gravity operated check valve arranged to permit downward flow and prevent upward flow of fluids through last said channel, and a channel affording communication between said lower chamber and said crankcase.

2,379,865
TELEGRAPH CODE CONVERTER
Alder F. Connery, Great Neck, N. Y., and Eric R. C. Coe, Chatham, N. J., assignors to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York
Application May 14, 1943, Serial No. 486,990
23 Claims. (Cl. 178—4)



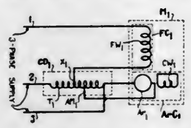
1. In a printing telegraph system having a transmitter, a distributor and a receiving printing mechanism and in which the code representation controlling the transmitter differs in certain characters from the normal operating code of the printing mechanism, means for converting the code representations of the certain characters comprising, in combination, a secondary transmitter and means to take control of the distributor from the transmitter and to place the distributor under control of said secondary transmitter to effect transmission of signals in the normal operating code of the printing mechanism.

2,379,866
DUPLEX BALANCE INDICATOR
Alder F. Connery, Great Neck, N. Y., assignor to Postal Telegraph-Cable Company, (New York), New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,172
6 Claims. (Cl. 178—69)



1. The method of determining the condition of balance between the real and artificial lines of a duplex telegraph system during operation thereof, which comprises comparing the peak voltage appearing between an arbitrary point on a resistor in the real line leg of the duplex and a point electrically removed a predetermined distance in one direction from the analogous point on a resistor in the artificial line leg of the duplex, with the peak voltage appearing between the said arbitrary point on the resistor in said real line leg and a point electrically removed the predetermined distance in the opposite direction from the analogous point on the said resistor in the artificial line leg of the duplex.

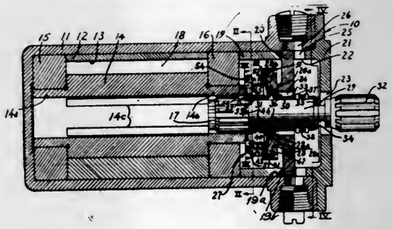
2,379,867
ADJUSTABLE-SPEED POLYPHASE ALTERNATING-CURRENT MOTOR APPARATUS
Albert G. Conrad, Mount Carmel, Conn., assignor to Superior Electric Company, Bristol, Conn., a partnership
Application October 23, 1942, Serial No. 463,038
4 Claims. (Cl. 172—274)



1. An adjustable-speed polyphase alternating-current motor apparatus having substantially-constant speed characteristics at different torque values and including in combination: a field-circuit constructed and arranged to produce magnetic flux for passage through an armature; an armature-circuit comprising a commutator-type armature and a compensating-winding coupled to the said commutator-type armature; a transformer coupled to both the said field-circuit and the said armature-circuit and having an intermediate-tap connected to one of the said circuits and located at a predetermined point on its winding such that the mutual flux developed by the field-current and passing through the field-circuit and the armature of the armature-circuit establishes in the field-circuit a counter-electromotive force which lags the armature-voltage in time-phase by an angle between 90 and 120 electrical degrees; the said field-circuit, the said armature-circuit and the said intermediate-tap of the transformer being constructed, arranged and proportioned with respect to each other so

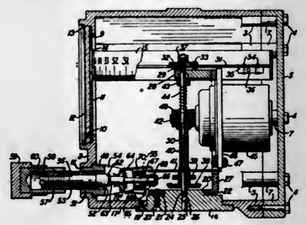
that the angle of lead in time-phase of the current taken by the said armature-circuit with respect to the voltage impressed thereon becomes progressively larger as the work-load on the motor is progressively decreased, and vice versa; and control-means connected to one of the aforesaid circuits and constructed and arranged to selectively vary the voltage applied thereto to selectively vary the speed of the commutator-type armature of the said armature-circuit.

2,379,868
PUMP SEAL CONSTRUCTION
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application May 27, 1943, Serial No. 488,647
12 Claims. (Cl. 286—11)



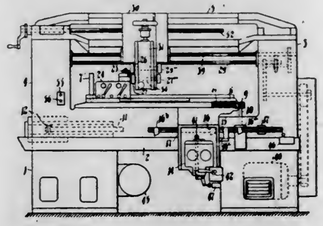
1. A shaft and seal construction comprising a stationary seal member having a sealing face, a rotating seal member having a cooperating sealing face for sliding contact with said face of the stationary seal member, said rotating seal member having a bearing face accommodating tilting movements, a shaft extending freely through both of said sealing members, means on said shaft providing a bearing face tiltable on the bearing face of the rotating seal member, a flexible rubber member embracing said rotating seal member and said shaft in sealing relation therewith, a cup member surrounding said rubber member having a shoulder portion and a reduced-diameter collar portion extending from said shoulder portion, a retainer keyed to said shaft, means connecting said retainer and cup member for corotation, and a spring bottomed on said retainer acting against said shoulder of the cup member for urging the rotating seal member against the stationary seal member.

2,379,869
DIRECTIONAL COMPASS FOR AIRCRAFT TRAINERS
Clarence I. Baker, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1943, Serial No. 497,599
4 Claims. (Cl. 177—327)



1. In a directional compass for an aircraft trainer, a bracket, a vertical shaft rotatably supported therein, a compass card secured to the upper end of said shaft, a sleeve surrounding said shaft, a friction clutch for coupling said sleeve to said shaft, a worm gear secured to said sleeve, a driving motor supported on said bracket and having a worm on its shaft in mesh with said worm gear, a beveled gear secured to the lower end of said shaft, a caging disc secured to the lower end of said sleeve, and a caging assembly comprising a rotatably and axially movable spindle having a caging knob secured to one end thereof and a cam and setting gear secured to the other end thereof, and pivotally mounted brake shoes operable by said cam to engage said caging disc when said caging knob is moved to engage said setting gear with said beveled gear to adjust the setting of said compass card.

2,379,870
MACHINE FOR MACHINING ARCUATE SURFACES
Edgar Barker, Toronto, Ontario, Canada
Application November 5, 1942, Serial No. 464,615
2 Claims. (Cl. 90—20)

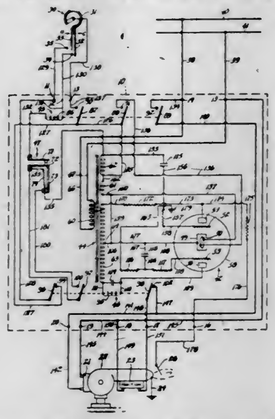


1. A machine of the class described having a cutter, a pivoted table for carrying work; variable speed means for turning the table in one direction of rotation to cause the work to be carried to a point within a short distance of the cutter at a speed greater than the desired cutting speed, then past the cutter at the desired cutting speed, and thereafter turning the table in the opposite direction of rotation at a speed greater than the cutting speed to return the table to its initial position; a reciprocable timing bar having a plurality of stops adjustably secured thereto; gearing operable by the variable speed means for simultaneously moving said bar and stops lengthwise in one direction as the table is turned in one direction of rotation and for simultaneously moving said bar and stops lengthwise in the reverse direction when the table is reversed; and means controlled by the said stops for regulating the rate of speed and direction of movement of the variable speed means.

2,379,871
BURNER CONTROL DEVICE
Vilynn O. Beam and John M. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 19, 1942, Serial No. 455,330
20 Claims. (Cl. 158—28)

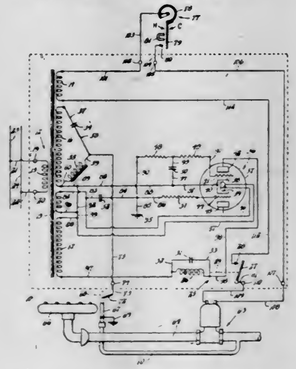
1. In a burner control means, controlling means adapted to be controlled by a main control switch and adapted to initiate steps normally resulting in a burner operation, a grid controlled electronic amplifier, means controlled by said amplifier adapted to control the burner after it is in operation, biasing means adapted normally to bias the grid of said amplifier so that its potential is within one range of values, flame responsive

means associated with said grid adapted to shift the potential of said grid into a different range of values upon the presence of a burner flame, a first source of power connected to energize the



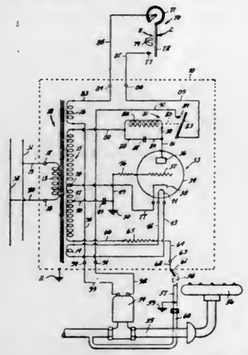
output circuit of said amplifier, and a single second source of power connected to said biasing means and said controlling means for energizing both said biasing means and said controlling means.

2,379,872
ELECTRONIC CONTROL APPARATUS
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 9, 1943. Serial No. 471,833
21 Claims. (Cl. 250—27)



1. In combination, a phase shifting network including a source of alternating power, an electronic discharge amplifier having an anode, a cathode, and a control electrode, a connection between said control electrode and said phase shifting network, the potential of the point of connection with said phase shifting network being such that said connection tends to cause said control electrode to be maintained at a value at which said amplifier is effectively non-conductive, said connection having a gap therein adapted to be bridged by an impedance, and means associated with said connection and responsive to the direct current flowing across the terminals of said gap when said gap is bridged by a rectifying impedance to cause the potential of the control electrode to assume a value at which said amplifier is effectively conducting.

2,379,873
ELECTRONIC CONTROL DEVICE
Frederick E. Lange, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 9, 1943, Serial No. 471,841
6 Claims. (Cl. 250—27)

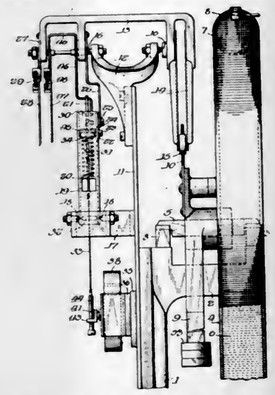


1. In flame detecting apparatus having only one electronic amplifier, said amplifier comprising a cathode, only one anode, and a control electrode; a source of alternating power; an electrically operated device whose energization is to be controlled in accordance with the presence or absence of a flame; circuit connections for controlling said electrical device including said anode, said cathode, and a portion of said source of power and operative to cause said electrically operated device to be energized when the potential of said control electrode is positive with respect to a predetermined cut-off value which is substantially negative with respect to said cathode; a first connection between said control electrode and a point on said source of power and effective to maintain said control electrode at a potential negative with respect to said cut-off value; a connection between said control electrode and a second point on said source of power such that said connection would also normally tend to maintain the potential of said control electrode negative with respect to said cut-off value, said connection including a flame electrode forming one terminal of a gap adapted to be bridged by a flame; and means associated with said last named connection and effective when said gap is bridged by a flame to maintain said control element at a potential positive with respect to said cut-off potential by reason of the rectifying properties of the flame.

2,379,874
COMPENSATED MEASURING ELEMENT
Donald O. Bean, Chicago, Ill., assignor to Ring Balance Instrument Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1943, Serial No. 475,086
12 Claims. (Cl. 73—205)

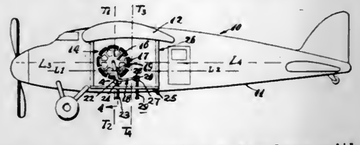
1. A ring balance flow meter compensated for the effect of variations in a condition of the fluid under test, comprising a hollow torus rotatably mounted on a support, a counterweight therefor, liquid and a partition dividing the interior of said hollow torus into two compartments each communicating with a separate source of pressure, a cam actuated by the rotation of said hollow torus, a vertically disposed supporting plate, a bracket fixed thereto, a yoke pivoted on said bracket and deflectable by the action of said cam, a housing pivoted on said supporting plate, a

link for transmitting motion from said yoke to said housing, a piston in said housing, pivoted exhibiting means, a second link connecting said piston and said exhibiting means, a Bourdon tube adjustably attached to said supporting plate, an arm moved by said Bourdon tube, a cable connecting



said arm and said piston, positioning means causing said cable to pass through the center of rotation of said housing, spring means in said housing resisting displacement of said piston, and means for adjusting the position of said piston relative to said arm.

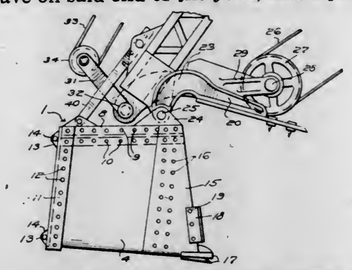
2,379,875
AIRPLANE
Ovila W. Boyea, Malone, N. Y.
Application September 14, 1943, Serial No. 502,251
3 Claims. (Cl. 244—9)



1. In an airplane having a fuselage with laterally extending wings, rotor-like laterally extending auxiliary wings disposed beneath said wings and having their centers located on a horizontal axis through the center of gravity of said airplane, adjustable means for rotatively supporting said rotor-like auxiliary wings in various positions from said axis, and means for driving said rotor-like auxiliary wings in all of their adjusted positions, said adjustable means for rotatively supporting the said auxiliary wings including bell cranks, means for vertically adjustably supporting said bell cranks, means for pivotally supporting said bell cranks in various pivoted positions, and said bell cranks supporting said rotor-like wings.

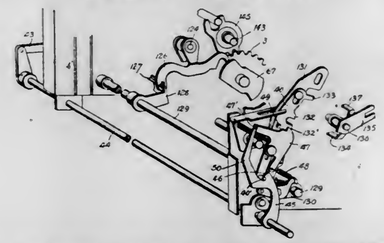
2,379,876
EXCAVATING EQUIPMENT
James A. Bradley, Pittsburgh, Pa., assignor to The United Sales Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1944, Serial No. 541,315
3 Claims. (Cl. 214—146)

1. In combination, a dipper stick, a dipper depending therefrom and having a door hinged at one edge to the top of the dipper for downward swinging to close said side, means to elevate said stick and dipper operative to close said door as an incident to initial elevation of said stick and dipper comprising a yoke on said door having an end extending across the axis of said hinge, a sheave on said end of the yoke, and a pull cable



trained around said sheave, and means to open said door comprising a second sheave on the other end of said yoke, and a pull cable trained around the second sheave.

2,379,877
CALCULATING MACHINE
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 13, 1941, Serial No. 418,984
3 Claims. (Cl. 235—79)

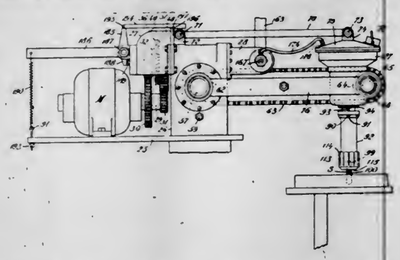


1. In a calculating machine, the combination with a product register, and means for effecting plus or alternatively minus registrations therein including power driven reversible actuating means having a driving train provided with oppositely driven clutch elements and control means including a clutch member and manipulable means for controlling said clutch member; of multiplier storage wheels, means for storing multiplier values therein in repeated registration multiplication operations, and means for automatically adjusting said clutch member into engagement with said clutch elements to control the sign character of successive registrations in accordance with values stored in said wheels in positive multiplication or alternatively in negative multiplication operations including a settable composite device having a part settable therewith and also independently settable, means cooperating with and controlled by said multiplier storage wheels for automatically setting said device as an entirety and manipulable means for independently setting said part prior to said automatic setting in negative multiplication operations.

2,379,878
STUD DRIVING AND TESTING MECHANISM
Wilhelm B. Bronander, Montclair, N. J.
Application November 5, 1942, Serial No. 464,626
6 Claims. (Cl. 81—57)

1. A stud screwing and testing machine comprising a chuck, chuck driving means for driving

the chuck and stud carried thereby, said driving means including a releasable driving connection and means for holding said connection in operative position to transmit a minimum torque effort, said driving connection being inoperative beyond said minimum torque, manually controlled means associated with said driving connection for increasing the torque driving effort if the stud has



withstood the minimum torque drive without being driven too far into the stud receiving opening, and testing means engageable by the operator and comprising a sleeve rotatably mounted on the chuck and having a portion extending between the chuck and the work for indicating to the operator the fit of the stud in the hole and the extent to which the stud has been driven under minimum torque drive.

2,379,879

METHOD OF FORMING AND APPLYING COOLING FINS TO TUBULAR MEMBERS

Wilhelm B. Bronander, Montclair, N. J.

Application November 5, 1942, Serial No. 464,627

4 Claims. (Cl. 29—157.3)



3. The method of providing a member with radiating fins which consists of forming a plurality of grooves in a member, forming double walled fin units with substantially parallel, spaced walls connected at one edge of each wall by a bridge of compressible material integral with the walls extending outwardly from the inner edges of the walls and substantially filling the space therebetween at the connected edge portions to be inserted in the grooves, pre-bending the fin longitudinally to conform to the contour of the groove before the insertion of the fin in the groove, inserting the connected edge of a pre-bent fin unit of predetermined length in each groove, and forcing said walls laterally by pressure against the outer portion of said compressible material directed toward the base of the groove to compact the compressible material and to anchor the walls in the grooves.

2,379,880

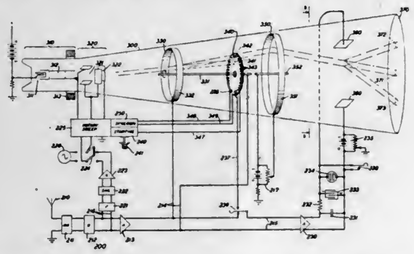
HIGH-SPEED TELEGRAPH SYSTEM

Harry A. Burgess, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 7, 1942, Serial No. 461,115

16 Claims. (Cl. 178—15)

12. In a high speed printing telegraph system, a sending station for sending signals of a constant frequency and having one impulse in each cycle and having the impulses differently phased in successive cycles to represent different characters of a message, a receiving station for reception and optical recording of said signals at speeds beyond readability, a carrier frequency transmission channel interconnecting said stations and including circuit means for establishing synchronism between them at the signal frequency; said receiving station including a cathode ray tube for producing optical images of the individual characters in quick succession and in spaced relation along a recording line in response to incoming signals, optical recording means having a light sensitive recording strip for fast recording of said images and continuously moving at uniform speed to record characters in successive spaced recording lines transverse of said strip, and control circuit means for impressing incoming signals upon said tube for control of the recording; said tube being adapted to produce a focussed electron beam with a fixed circular sweep having each sweep cycle in phase with a corresponding signal cycle, and said tube comprising a reading screen for producing optical images of the beam and



having an image persistence of more than one sweep cycle, an opaque stencil plate having a plurality of stencil cuts with contours of different characters disposed at different phase angles in a circle concentric with and outside the fixed sweep circle on said plate for shaping the beam cross section in passing the beam to said reading screen, a pair of concentric selecting electrodes connected to said control circuit means and disposed to momentarily deflect the beam in response to each impulse for passing the beam through a stencil cut disposed at a phase angle of the sweep cycle equal to the phase angle of the impulse within the signal cycle, a pair of centering electrodes for deflecting the modified beam toward the center of said reading screen and connected to a source of fixed potential, and a pair of spacing electrodes for establishing a variable linear static field to deflect the centered beam for successive display of said images in spaced relation along a line across said reading screen; said control circuit means including spacing circuit means connected to impress a voltage upon said spacing electrodes, and adapted to vary said voltage in steps once for each signal cycle for establishing said variable field.

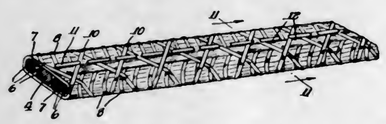
2,379,881

STIFFENING MATERIAL

Frederic W. Chamberlain, Three Oaks. Mich., assignor to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan

Application May 27, 1942, Serial No. 444,722

10 Claims. (Cl. 57—140)



1. A stiffening material comprising overlapping splints of quills of feathers secured together in

substantially parallel overlapping relation to provide a cord or rod-like elongated element and an elongated tough rod formed of a vinylidene chloride resin composition, said resinous rod being resistant to flexure fatigue and said rods being suitably bound together, sized and shaped to desired cross section.

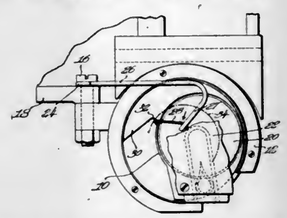
2,379,882

THREAD CASE RETAINING DEVICE FOR SEWING MACHINES

Alfred S. Clark, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 11, 1944, Serial No. 530,497

2 Claims. (Cl. 112—196)



1. A sewing machine having stitch forming devices, including a locking thread case mounted for easy removal from the machine, and a loop taker for carrying loops of needle thread about the locking thread case, and means for preventing displacement of the thread case comprising a spring arm extending across the loop taker with one end bent across a side of the thread case in the direction of the movement of a loop of needle thread while being carried by the loop taker about the thread case.

2,379,883

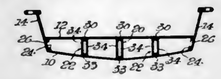
BOAT CONSTRUCTION

Carl H. Clement, Jr., United States Army, Fort Belvoir, Va.

Application March 1, 1943, Serial No. 477,581

3 Claims. (Cl. 9—6)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A uni-directionally braced hull construction comprising inner and outer vertically spaced hull bottoms, side and stern panels affixed to said bottoms along their edges, said panels sealing the space between and coacting with said bottoms to form in effect a single box beam coextensive with the length of the hull and a framework disposed between and attached to the opposing faces of said bottoms, said framework being formed of a plurality of box beams aligned parallel to the longitudinal axis of said hull and dividing said single box beam into a series of longitudinally extending watertight compartments.

2,379,884

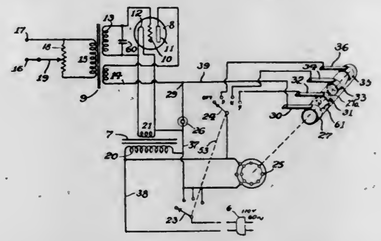
ELECTROTHERAPEUTIC DEVICE

Margaret Crosse and Alfred Roberts, New York, N. Y.

Application December 9, 1941, Serial No. 422,221

3 Claims. (Cl. 250—36)

1. In an electro-therapeutic device, an iron core induction transformer having a secondary winding to which applicators are to be connected, a primary or anode winding and a grid winding, all three of which are inductively coupled by said iron core; a thermionic tube including an anode, a cathode, and a control grid, means for heating said cathode; a gird circuit circuit extending from said grid and including said grid winding and a connection to said cathode; a commutator carrying a plurality of sets of contact segments, the segments of each set being of a different length from that of the others, a collector ring electrically connected to the segments in all said sets, a brush connected to said pri-



mary or anode winding and bearing on said collector ring, an individual brush for each of said sets, each bearing on said commutator in the path traversed by the segments in its set, means for rotating said commutator at a constant rate of speed, a series of contact points connected to said individual brushes, and switching means cooperating with said contact points and connected to said source of current for completing the circuit from the anode to said source, whereby an operator may selectively set said switch to select any of said sets of segments for controlling the timing of the energization of said anode circuit.

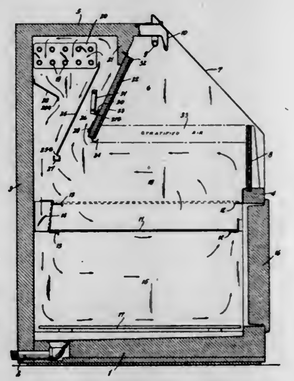
2,379,885

REFRIGERATED DISPLAY CASE

Russell E. Davis, St. Louis, Mo., assignor to Hussmann-Ligonier Company, St. Louis, Mo., a corporation of Missouri

Application December 3, 1943, Serial No. 512,695

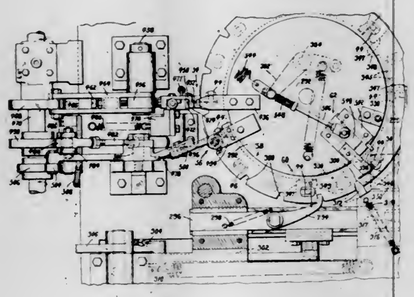
8 Claims. (Cl. 62—89.5)



1. A refrigerated display case comprising a base, end walls, a low front wall, a high rear wall, a top wall projecting from said rear wall above the level of said low front wall and terminating

short of the latter, a refrigerating device in the top of said case above the level of said low front wall, a curtain wall depending from said top wall and in front of and extending below said refrigerating device, and means for selectively holding part of said curtain wall in such position that the bottom edge thereof is located a sufficient distance below the top edge of said low front wall to create a buffer layer of stratified air in said case between the air circulating therein and the atmosphere external thereto or in such position that said bottom edge is located a sufficient distance above said top edge to cause a spillage of air from said case over said top edge and a consequent infiltration of exterior air into said case.

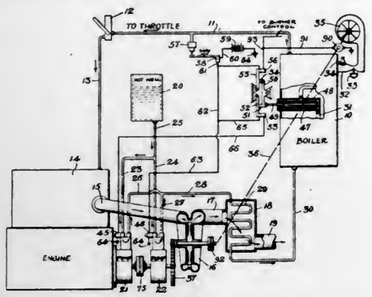
2,379,886
FISHHOOK MAKING MACHINE
William J. De Witt, Auburn, N. Y., and Ernest L. Ott, Shelton, and William B. Runk, Waterbury, Conn., assignors to Shoe Form Co. Inc., Auburn, N. Y., a corporation of New York
Application July 21, 1942, Serial No. 451,792
14 Claims. (Cl. 29—9)



1. In a fishhook making machine, a wire-straightening device, wire-feeding mechanism intermittently operable to advance wire through the wire-straightening device by distances corresponding to predetermined lengths of blanks to be formed from the wire, means for successively cutting a plurality of blanks of the predetermined lengths from the wire, a plurality of grinding wheels, means for advancing the cut blanks past the grinding wheels and for rotating them as they are advanced thereby to form a point on one end of each blank, a dial, a plurality of chucks having blank-clamping jaws carried by the dial, means for feeding pointed blanks one at a time to the chucks, a plurality of blank-forming instrumentalities positioned peripherally of the dial, and means for rotating the dial about its axis successively to present each blank to the operating instrumentalities for completing the formation of a fishhook from the blank.

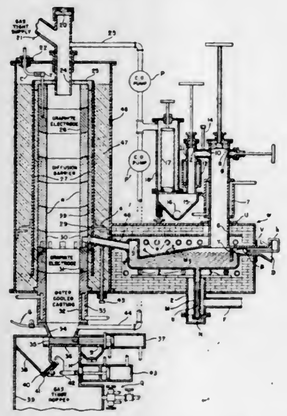
2,379,887
STEAM POWER PLANT
Abner Doble, Chicago, Ill., assignor to Stanley Steam Motors Corporation, Chicago, Ill., a corporation of Delaware
Application May 22, 1944, Serial No. 536,658
12 Claims. (Cl. 60—106)

1. A steam power plant comprising a boiler, a pair of prime movers operable by steam generated in said boiler, a pair of feed-water pumps for supplying feed water to said boiler, means for selectively driving one of said pumps from one or the other of said prime movers depending upon



the relative speeds of said prime movers, and means for driving the other of said pumps solely from one of said prime movers.

2,379,888
MAGNESIUM DISTILLATION FURNACE
Henry A. Doerner, Pullman, Wash.
Application August 29, 1944, Serial No. 551,747
10 Claims. (Cl. 13—8)



1. In a magnesium distillation furnace wherein a charge of material is used as an electrical resistance between electrodes spaced apart in the furnace, a diffusion barrier surrounding said furnace in closely spaced relation thereto and confining any magnesium vapors which escape through the walls of the furnace, a gas-tight casing enclosing said furnace and said diffusion barrier and thermally insulated from the latter, a condenser operatively connected with said diffusion barrier and means to circulate gas through said furnace and said condenser.

2,379,889
ETHERIFICATION OF LIGNINS AND LIGNINLIKE MATERIAL
Rodger M. Dorland and Robert M. Boehm, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware
No Drawing. Application June 20, 1942, Serial No. 447,869
22 Claims. (Cl. 106—163)

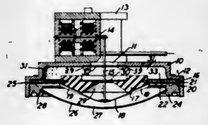
8. Process of preparing an etherified ligninous composition suitable for use in molding composi-

tions and the like, which comprises reacting a ligninous material with an etherifying compound at an elevated temperature in the presence of a base and water to form a precipitated etherified ligninous material, said base and etherifying compound being present in substantially stoichiometric relation to the acidic hydroxyl groups present in the ligninous component.

2,379,890
ESTERIFICATION OF LIGNINS AND LIGNINLIKE MATERIAL
Rodger M. Dorland and Robert M. Boehm, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware
No Drawing. Application June 20, 1942, Serial No. 447,870
22 Claims. (Cl. 106—163)

6. Process of preparing an esterified lignin suitable for use in molding compositions and the like, which comprises mixing a lignin-containing material with water and an alkali to obtain a reaction between the lignin and alkali to form an aqueous alkali lignate solution, then adding an esterifying compound to the solution and heating the solution to react the esterifying compound and the alkali lignate until the desired degree of esterification is obtained to form a precipitated esterified lignin.

2,379,891
SOUND TRANSLATING DEVICE
Helmuth Eckardt, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1942, Serial No. 460,954
11 Claims. (Cl. 181—22)



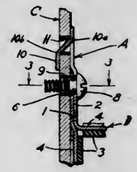
1. A sound translating device comprising a diaphragm, a member adjacent said diaphragm and having a relatively large aperture therein, and a sheet of acoustic resistance material extending across said opening, said member having therein also a restricted opening constituting a low frequency by-pass around the acoustic resistance.

2,379,892
LOCK NUT
Ronald Edgar Eggert, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 11, 1944, Serial No. 553,640
5 Claims. (Cl. 85—36)



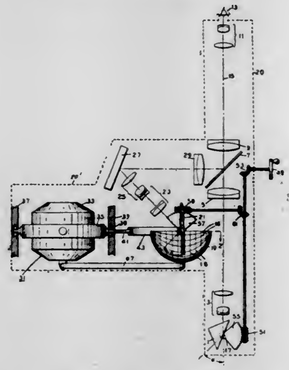
1. In a lock nut, a resilient metal body portion, bridge portions struck out from the plane of the body portion and lying side by side with their ends in integral formation with the body portion, and complementary opposed arcuate edge portions on said bridge portions defining between them an opening in which a screw or bolt may be turned so as to have tensioned and screw threaded engagement therewith.

2,379,893
CONDUIT CLIP AND SECURING MEANS
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., Burbank, Calif., a corporation of California
Application November 26, 1941, Serial No. 420,577
1 Claim. (Cl. 248—74)



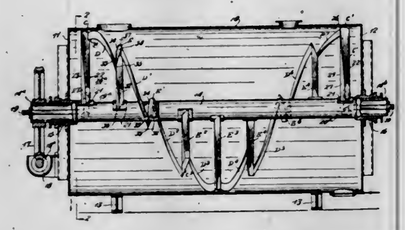
In a support for a conduit or the like, a supporting structure having an aperture therein, a resilient metal strap adapted to embrace a conduit and having apertured terminals adapted to be brought into contact with one another, one of said terminals being disposed to engage said supporting structure, and integral tongues on one of said terminals extending into the aperture in said supporting structure for threadedly engaging therein a threaded fastening inserted through the apertures of said terminals and into the aperture in said supporting structure.

2,379,894
DRIFT INDICATOR
Orland E. Esval, Merrick, and Walter Wrigley, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 29, 1941, Serial No. 408,722
7 Claims. (Cl. 88—1)



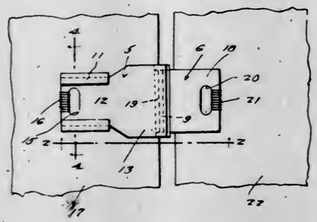
2. In a drift indicator for aircraft, means for sighting on objects displaced from the ground track of said aircraft, means for forming an image of a selected object, directional indicia comprising lines simulating spaced parallel ground lines extending toward a vanishing point, means for selecting a portion of said indicia in accordance with the bearing of said object, and means for forming a superimposed image of said selected portion and said object image.

2,379,895
CRYSTALLIZING APPARATUS
Henry H. Feldstein, Cleveland, Ohio
Application May 20, 1943, Serial No. 487,694
19 Claims. (Cl. 127—15)



1. A crystallizer apparatus comprising, in combination, a tank, a shaft extending longitudinally of and within said tank and means for rotating said shaft, a series of hollow heat interchanging elements secured to the said shaft and longitudinally and angularly spaced with relation to one another, each of said elements comprising a substantially plane wall extending radially outwardly from the shaft, a second wall also extending radially outwardly from the said shaft and united at one edge thereof to the front edge of the former wall, a third wall united at its front edge to the opposite edge of the second wall and extending outwardly from the shaft in a direction inclined toward the first mentioned wall each of the said elements being provided with an inlet and an outlet connection for circulating liquid therethrough.

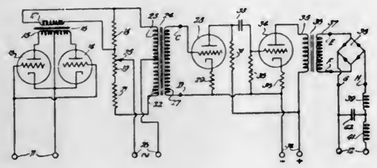
2,379,896
SNAP FASTENER
Walter H. Fitzgerald, Jr., Dallas, Tex.
Application November 24, 1943, Serial No. 511,587
1 Claim. (Cl. 24—230)



A snap fastener comprising a receiving unit, an inserted unit, said units having complementary inter-connectible hook portions, and a spring on the receiving unit for engaging the hook on the inserted unit to prevent disconnection of said hook, said receiving unit being provided with clamp means for holding the spring in positive position comprising a pair of channeled side flanges on said unit in which the sides of the spring are disposed.

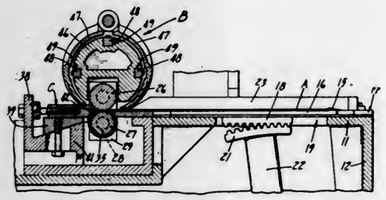
2,379,897
AMPLIFIER SYSTEM
Frederick K. Floyd, Denver, Colo., assignor to Claude M. Hathaway, doing business as Hathaway Instrument Company
Application June 3, 1942, Serial No. 445,582
11 Claims. (Cl. 179—171)

1. A direct current or alternating current amplifying system comprising a bridge connected at diagonal points to a source of alternating current having a frequency higher than the frequency of any alternating current to be amplified, an impedance element connected in one leg of the bridge, means including a vacuum tube rectifier



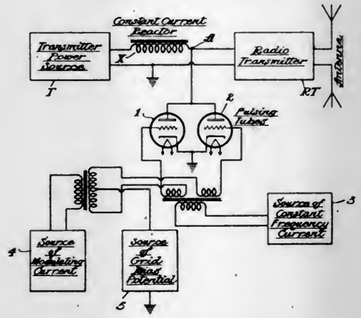
for varying the effect of said impedance element in accordance with the current to be amplified, an amplifier having its input connected to adjacent legs of said bridge, and a rectifier connected to the output of said amplifier.

2,379,898
CAN BODYMAKER
Nelson Geertsen, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 5, 1941, Serial No. 396,759
1 Claim. (Cl. 153—7)



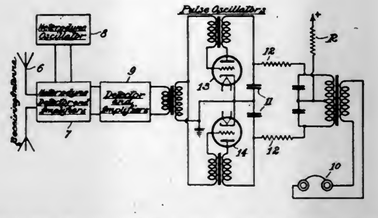
In a machine for forming tubular can bodies from flat sheet body blanks, the combination of a lower feed roller having spaced annular beading projections extending entirely around the roller for supporting said blanks, said feed roller further having an annular clearance groove disposed between said projections, an upper pressure roller having a plurality of spaced annular beading grooves corresponding in shape and position to the beading projections of said feed roller and cooperating therewith for feeding and beading a body blank as the latter passes between said rollers, and a deflector element having an edge thereof of castellated configuration extending closely adjacent the bight of said rollers for engaging and deflecting the leading edge of a flat sheet body blank out of its plane as said blank is fed by said rollers, said castellated portion of the deflecting element having an upper surface extending into said clearance groove to constitute with the peripheral surface of said lower feed roller on opposite sides of said clearance groove a substantially continuous composite sheet supporting surface extending longitudinally of said feed roller, whereby the sheet blank is uniformly beaded substantially simultaneously with its deflection as the sheet passes between said rollers, the castellated edge of said deflector element being extended by virtue of said clearance groove closely adjacent the bight of the rollers for the described purpose.

2,379,899
RADIO COMMUNICATION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1940, Serial No. 367,688
10 Claims. (Cl. 250—17)



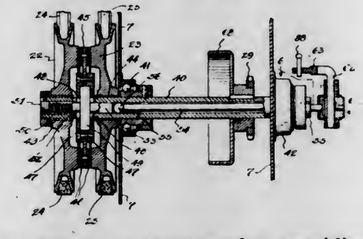
3. The method of communication which comprises producing equal length pulses of carrier current, and shifting the time of occurrence of individual equal length pulses by an amount never exceeding the time of one pulse and without changing the average pulse rate, in accordance with the intelligence to be transmitted.

2,379,900
RECEIVING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application November 29, 1940, Serial No. 367,688. Divided and this application November 25, 1942, Serial No. 466,888
10 Claims. (Cl. 250—20)



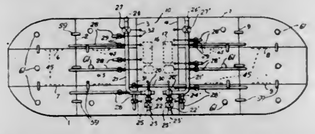
1. Means for receiving pulses of carrier current modulated as to time of occurrence, comprising a superheterodyne receiver for reducing the frequency of the received carrier current pulses to audio frequency pulses, a pair of electron discharge device audio frequency oscillators each having a grid, a cathode and an anode, means coupling the output of said receiver to said grids to apply potentials to said grids in like phase with respect to each other, a connection between said cathodes, time constant circuits coupled to said anodes to control the timing of the operation of said oscillators, said time constant circuits having such values as to cause each of said oscillators to have a natural period of oscillation substantially equal to half the average frequency of the pulses received by said receiver, and a resistor in common to said anodes, whereby the phase or timing of oscillations of each oscillator, but not the oscillation frequency is modulated by the received pulses.

2,379,901
CLUTCH
Terence G. Hare, Ypsilanti, Mich., assignor to Amesbury Seat Manufacturing Company, a corporation of Michigan
Application March 25, 1943, Serial No. 480,440
4 Claims. (Cl. 192—48)



1. A clutch construction for providing two speed and torque ratios between a driving member and a driven member, comprising a hollow driven shaft, two driving clutch members rotatably mounted on the driven shaft in axially spaced relationship, a driven clutch disc, means mounting the driven clutch disc in driving relationship with the driven shaft and axially shiftable relative to the driven shaft with the driven disc positioned between the two driving members, a spring mounted in the hollow shaft and acting upon the driven disc to shift it into frictional engagement with one of the driving members, a rod slidably mounted in the hollow shaft, and control means operable at will for shifting the rod axially to in turn axially shift the driven disc to a central non-driving position relative to the two driving clutch members and into frictional engagement with the other driving clutch member.

2,379,902
FLOATING DRY DOCK AND PUMPING APPARATUS
Frederic R. Harris, New York, N. Y.
Application April 9, 1943, Serial No. 482,374
12 Claims. (Cl. 114—46)

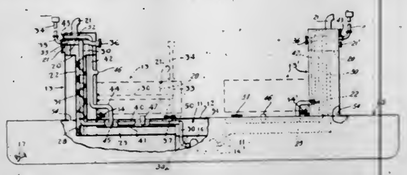


1. In a dry dock, a pontoon comprising a hull having an intake and a discharge port, said hull being divided into a group of compartments at each end and a buoyancy chamber between the groups, a header pipe and a pump in the line thereof at one side of said chamber connected to said ports, the hull having an additional pair of ports for intake and discharge, a second header pipe and pump in the line thereof at the other side of said chamber connected to said additional ports, branch pipes connecting one header to one group of said compartments and the other to the remainder, and valve means for controlling all of said pipes.

2,379,903
PONTOON UNIT FOR FLOATING DRY DOCKS
Frederic R. Harris, New York, N. Y.
Application April 9, 1943, Serial No. 482,375
11 Claims. (Cl. 114—46)

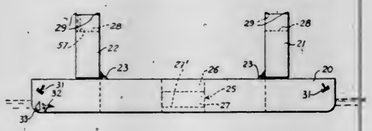
1. A dry dock unit comprising a pontoon hull, a power plant in the hull, a hollow wall section

movably mounted on the hull, a conduit extending from said plant through the section in one position for the discharge of exhaust products



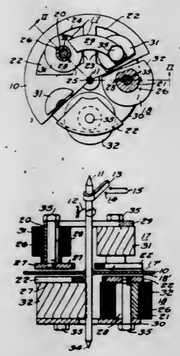
from said power plant, and means for reconnecting said conduit when the wall section is in a different position.

2,379,904
MULTIPLE UNIT FLOATING DRY DOCK
Frederic R. Harris, New York, N. Y.
Application April 9, 1943, Serial No. 482,376
28 Claims. (Cl. 114—46)



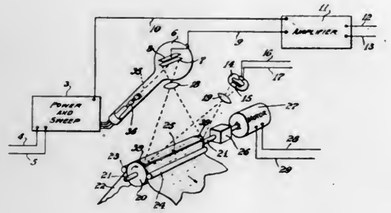
7. A dry dock unit including a pontoon hull having a deck, a wall section thereon, and hinge means having an axis extending transversely of the hull connecting the section to the pontoon hull so that the section may be raised to stand on said deck or lowered to lie thereon.

2,379,905
HIGH-SPEED RELAY
Bert V. Hoard, Portland, Oreg., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 1, 1942, Serial No. 456,901
23 Claims. (Cl. 175—294)



1. An alternating-current electro-responsive device comprising a light-weight, rotatably mounted, torque-producing member comprising a light-weight, substantially non-magnetizable, continuous, sheet-like, conducting-portion having a surface which returns circularly on itself, and a stator-member comprising two magnetizable multipolar flux-producing means disposed one on either side of said rotor-member, with airgaps in between, each multipolar flux-producing means comprising a set of salient magnetizable pole-pieces having pole-face portions separated from said sheet-like conducting-portion by one of said airgaps, the front faces of the plurality of pole-face portions of each multipolar flux-producing means being of such shape and area as to cover (through the airgap) substantially the entire available eddy-current-producing and effective torque-producing surface of said sheet-like conducting-portion, with uncovered portions of adequate size but of a size only corresponding to certain necessary rotatably shiftable eddy-current paths in the sheet-like conducting-portion, the poles of one multipolar flux-producing means being displaced in something like a quadrature space-relation with respect to the poles of the other, whereby the flux from or to each pole of each of the multipolar flux-producing means crosses both airgaps and the sheet-like conducting-portion and flows circumferentially in the pole-face portions of two poles of the other multipolar flux-producing means.

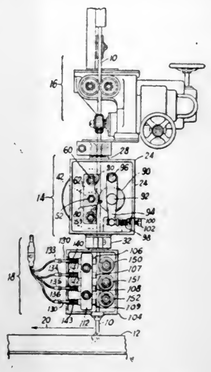
2,379,906
CONTINUOUS FACSIMILE SCANNER
John V. L. Hogan, Forest Hills, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application November 22, 1941, Serial No. 420,043
1 Claim. (Cl. 178—7.2)



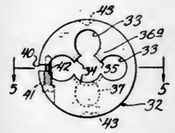
A facsimile pick-up scanner, including the combination of, a drum having a smooth surface, means for guiding a copy sheet over and in contact with at least a portion of said surface to provide an accurate scanning surface over at least a narrow strip extending across said sheet, means for rotating said drum at a substantially constant rate for advancing said sheet to provide one scanning dimension, means for evenly illuminating said narrow strip, an iconoscope having a long narrow signal generating screen, means for optically projecting said illuminated strip on said screen, means for scanning said screen with an electron beam along a longitudinal path to provide the second scanning dimension, and means for utilizing the signals generated by said screen.

2,379,907
WELD ROD SLITTER
Norman Hubbard, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application September 22, 1943, Serial No. 503,341
9 Claims. (Cl. 314—129)

1. In a slitter for flux coated weldrods, a cutter, and means for guiding a coated weldrod into operative engagement with the cutter, said means including a backing-up device and a shroud disposed on opposite sides of the weldrod, said shroud closely fitting the weldrod coating immediately adjacent the zone of the cutting action, the shroud preventing wastage of coating material and providing clean-cut slot edges.

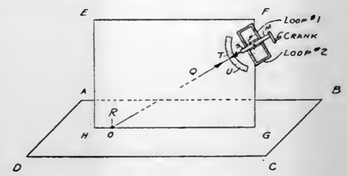


2,379,908
THREAD CUTTER
William B. Johnson, Wheaton, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1943, Serial No. 487,591
15 Claims. (Cl. 10—118)



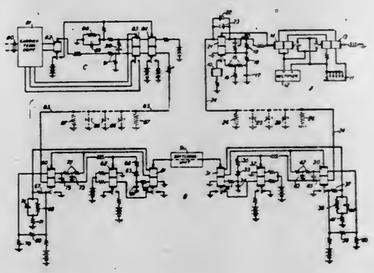
1. A thread cutter for a machinable material comprising a member having a thread cutting edge followed by a land occupying approximately 90° of a circle and a plurality of relatively narrow lands spaced at substantially equal intervals over the remainder of the circle by longitudinal flutes separating the lands and forming cutting edges thereon.

2,379,909
DETERMINING VERTICAL ANGLE OF INCIDENCE OF RADIO WAVES
Edward L. Kilpatrick, Arlington, Va.
Application October 3, 1942, Serial No. 460,626
6 Claims. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A loop system for measuring the vertical angle of incidence of energy waves, having a planar axis mounted in the vertical plane of incidence of the waves and tiltable about an axis perpendicular thereto, and comprising a pair of identical loop antennas mounted in symmetrical co-planar relation on opposite sides of said planar axis with their plane rotatable about said planar axis, a receiver connected to receive voltages from said two loops in mutually subtracting relation, said loop-plane being rotated about said planar axis to orient the loops in a flux cutting position which may be their maximum flux cutting position in said energy waves, and said planar axis being maintained tilted, as well as may be, at such angle in said vertical plane as to be normal to the wave front in said vertical plane; whereby a sharp null is obtained in said position, and a voltage is received by said receiver from said loops, on departure of said axis from said normal position, resulting from difference in time phase of the voltages generated in said loops by the energy waves.

2,379,910
TELEGRAPH SYSTEM
Fullerton S. Kinkead, deceased, late of New York, N. Y., by Rita Smith Kinkead, administratrix, Trudeau, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1942, Serial No. 462,577
5 Claims. (Cl. 178—69)

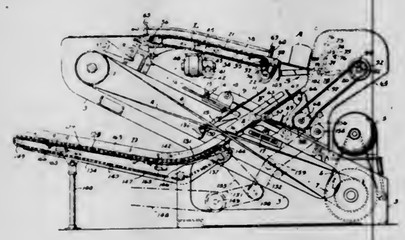


1. In a telegraph system comprising a line having a high electrostatic capacity and subject to leakage resistance, transmitting and receiving apparatus connected to the ends of said line for transmitting and receiving signals over said line the distortion of which is substantially unaffected by variation of said leakage resistance, said receiving apparatus including at one end of said line a receiving relay provided with a main line winding and a local winding, a control circuit for said local winding for applying a bias to said relay, and connections to said control circuit for automatically altering said bias during transmission of signals from said transmitting apparatus at said one end of said line for causing said relay to respond to signals transmitted by said transmitting apparatus at said one end of said line.

2,379,911
ARTICLE HANDLING APPARATUS
Arthur A. Kottmann, Davenport, Iowa, assignor, by mesne assignments, to The Bettendorf Company, a corporation of Maryland
Application June 28, 1941, Serial No. 400,269
17 Claims. (Cl. 146—88)

1. In apparatus for handling bread loaves and the like, an upper conveyor, a lower conveyor having spaced flights for individually engaging and advancing loaves deposited thereon, a carrier and means mounting the same for reciproca-

tion between the conveyors, the end of the carrier nearest the upper conveyor being removable from a position to receive loaves from the upper conveyor downwardly to a position to deposit the loaves intermittently on the lower conveyor between the flights of the latter, means for actuating the carrier and the flights of the lower conveyor in unison, and means mounted inde-



pendently of the carrier and movable in timed relation to the carrier from a position below the loaf supporting surface of the upper conveyor to a position for engaging the endmost loaf on the upper conveyor to prevent said endmost loaf from moving off the end of the upper conveyor while the carrier is moving downwardly to deposit a loaf on the lower conveyor.

2,379,912
NUCLEIC ACID
Louis Laufer, New York, N. Y., assignor to Schwarz Laboratories, Inc., New York, N. Y.
No Drawing. Application February 28, 1942, Serial No. 432,903
24 Claims. (Cl. 260—210)

1. In the process of extracting compounds with nucleic acid radical, the treatment of the nucleic acid bearing biologic substance with alkali substantially in the absence of applied heat, the addition of mineral acid to reach a pH corresponding to the iso-electric point of the major portion of the proteins and the boiling of the resultant body to precipitate out much of the protein content and to leave a clear filtrate for further treatment.

2,379,913
RECOVERY OF RARE SUGARS
Louis Laufer and Jesse Charney, New York, N. Y., assignors to Schwarz Laboratories Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 7, 1942, Serial No. 454,022
32 Claims. (Cl. 260—209)

1. The process which consists in treating solutions of nucleoside bearing substances with a copper compound and an acid which conjointly afford cuprous ions, with resultant precipitation of substantially insoluble cuprous salts of nucleosides, and separating and washing said precipitate.

2,379,914
RECOVERY OF RARE SUGARS
Louis Laufer and Jesse Charney, New York, N. Y., assignors to Schwarz Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 14, 1942, Serial No. 454,838
29 Claims. (Cl. 260—209)

1. The process which consists in subjecting solutions of nucleotide bearing substance to mild alkaline hydrolysis, then treating the same with a copper compound and an acid that conjointly afford cuprous ions with resultant precipitation of substantially insoluble cuprous salts of nuleotides and then separating and washing said precipitate.

28. A composition consisting of a mixture of substantially pure cuprous salts of purine nucleotides that have an unsubstituted No. 7 position in the purine group.

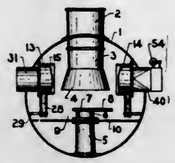
2,379,915
MEDIA FOR USE IN MAKING CAMERA COPY AND METHOD OF PREPARING SAME
Maurice D. McIntosh, Cleveland Heights, Ohio, assignor to Louis S. Sanders, Shaker Heights, Ohio
Application July 30, 1942, Serial No. 452,863
10 Claims. (Cl. 41—41)



1. In a method of preparing a medium for use in making camera copy, the steps which consist in imprinting upon a surface a pattern consisting of spaced parallel lines of a tacky substance, dusting said surface with basic lead sulphate to thereby cause said sulphate to adhere to said lines, removing said sulphate from the other portions of said surface, imprinting said surface with spaced parallel lines extending angularly to said first-named lines and by means of an ink containing mercurous chloride, and then removing said ink from all portions of said surface except at the points where the ink is superimposed on said first-named lines.

7. A medium for use in preparing camera copy, said medium consisting of a surface having chemically-developable patterns thereon, said patterns consisting of spaced parallel continuous rows of contiguous segmental pattern areas, alternate segmental pattern areas of said rows being developable by one chemical to form a dot pattern and said rows in their entirety being developable by means of another chemical said rows of segmental pattern areas being separated by portions of said surface which are nonresponsive chemically to either of said chemicals.

2,379,916
METHOD AND APPARATUS FOR DRAFT CONTROL
Robert R. McIntosh, Battle Creek, Mich.
Application March 1, 1941, Serial No. 381,290
13 Claims. (Cl. 110—150)



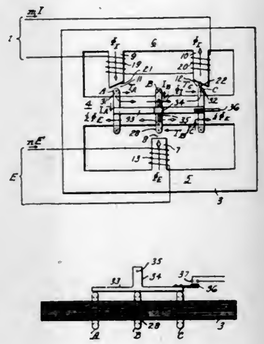
1. A method of controlling draft created in a steam generator by the flow of a gaseous fluid through a space in the steam generator wherein suction pressure is to be maintained at a substantially constant predetermined value over a prescribed portion of the operating range, which comprises the steps of introducing in controlled amount a separate suction reducing gaseous fluid into said space when the suction pressure therein tends to exceed the predetermined value, raising said suction pressure by stopping substantially the whole flow of said suction reducing gaseous fluid under conditions when same would normally flow into said space, and again releasing the flow of suction reducing gaseous fluid when control at said substantially constant predetermined value is again to be utilized.

2. A method of controlling draft in a steam generator, as set forth in claim 1, applied to draft regulation in a locomotive smoke box, in which suction is created by flowing exhaust steam through said smoke box and out of a smoke stack connected thereto, which includes the steps of controlling the upper limit of the suction pressure created by the exhaust steam at an intermediate and substantially constant level for low rates of fuel feed by admitting air into the smoke box at said intermediate level to limit the suction pressure approximately at that level, while at high rates of fuel feed the upper limit of the suction pressure thus created is raised to a suitably higher substantially constant pressure level by admitting air into said smoke box at substantially said higher level in variable controlled amount sufficient to limit the maximum suction pressure approximately at said predetermined higher level which is below that to which the suction pressure would otherwise normally rise.

2,379,917
ESTERS OF CARBOXYCELLULOSE
Herman F. Mark and Sidney Siggia, Brooklyn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,264
14 Claims. (Cl. 260—212)

1. An ester of carboxycellulose.

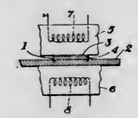
2,379,918
THREE-MAGNET DOUBLE-LOOP DIRECTIONAL RELAY
Arthur C. Mehring, East Orange, and Shirley L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 2, 1943, Serial No. 504,696
4 Claims. (Cl. 175—294)



1. A substantially non-vibratory single-phase torque-producing electro-responsive device com-

prising a movable member having two loop-systems, and a single magnetizable frame-member for providing two alternating fluxes and applying said fluxes to the two loop-systems in such manner that the first loop-system is interlinked by the first flux and its loop-current has a torque-producing reaction with the second flux, while the second loop-system is interlinked by said second flux and its loop-current has a torque-producing reaction with said first flux, said magnetizable frame-member including magnetizable-material flux-paths, airgap flux-paths, and single-phase exciting-means, for together providing and applying said fluxes.

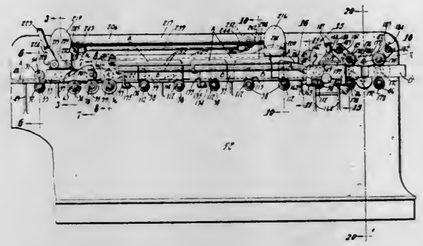
2,379,919
MANUFACTURE OF SELENIUM ELEMENTS
Arthur J. Miller and Eugene P. Sauerborn, Newark, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,383
9 Claims. (Cl. 175—366)



1. The method of making a plurality of selenium elements which comprises forming burrs on a number of base plates, placing the base plates on a supporting jig with the burrs against the jig, covering the base plates with selenium and pressing the selenium covered plates into the jig and then heat treating, applying counter-electrodes and electroforming the elements while in the jig.

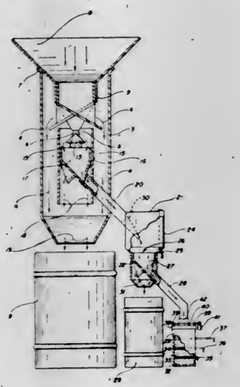
7. The combination of a plurality of selenium rectifier elements and a metal jig plate, said elements each having a punching burr extending substantially entirely around its periphery forced into the surface of said jig.

2,379,920
CAN BODY MAKER
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 8, 1942, Serial No. 450,203
14 Claims. (Cl. 93—52)



1. In a fibre can body forming machine, the combination of a frame, support members on said frame, carrier devices movable on said support members, a forming horn secured to and carried by said carrier devices, and feeding devices for advancing the can body blanks along said horn, said carrier devices with said horn being movable laterally of said frame for clearing the horn of jams and for gaining access to the horn.

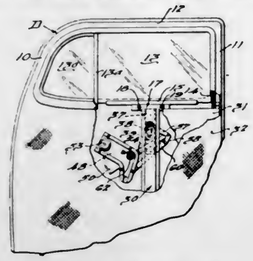
2,379,921
SAMPLER OF GRANULAR MATERIAL
Dominick A. Pizzirani and Franklin M. Gould, United States Army, and Souren Z. Avedikian, New York, N. Y.
Application May 30, 1942, Serial No. 445,257
3 Claims. (Cl. 73—421)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for securing a sample of material for the purpose specified embodying means for directing a continuous stream of the material toward a receptacle for receiving such material, said means being in the form of a hopper open at its top and bottom, and a vertical column axially positioned in the hopper and spaced from the peripheral wall of the hopper, a riffle disposed within the hopper above and in alignment with said column, a riffle disposed within said column, means at the upper end of the hopper for distributing material uniformly over the width of the first riffle, means intermediate the first and second riffles for uniformly distributing material over the width of the second riffle, the first riffle consisting of a plurality of fractioning chutes certain of which discharge into the space between the walls of the hopper and column on both sides of the column and other of which divert fractions of the material to the second chute, and the second riffle having fractioning chutes certain of which direct sub-divisions of the material fractionized by the second riffle through the column and other of which have a discharge chute leading therefrom and terminating exteriorly of the hopper to divert a fraction of the material subdivided by the second riffle to a point remote from the hopper, and means at the free end of said discharge chute for securing a sample of material discharging from the chute.

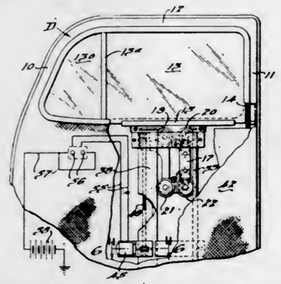
2,379,922
WINDOW CONTROL MECHANISM
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application October 3, 1940, Serial No. 359,520
13 Claims. (Cl. 296—48)

1. A guide structure for a window panel mounted for sliding movement in a window of a vehicle body having a well and a pair of spaced upright guides in said well each having transversely spaced tracks, a guide roller device adapted to be mounted to the lower edge of the panel for travel between said guides and having its axis of rotation extending transversely to the plane of the panel, said roller device including transversely spaced peripheral portions having rolling engagement with the spaced tracks of one or the other of said guides, and resilient means



normally urging said guide roller device into position to travel on the tracks of one upright guide but yieldable to permit said guide roller to travel on the tracks of the other guide.

2,379,923
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application January 2, 1941, Serial No. 372,901
4 Claims. (Cl. 296—48)

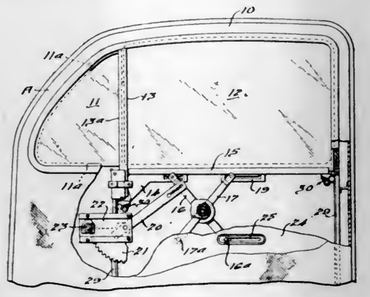


1. Guiding means for a window panel mounted for up and down movement in a vehicle body having a window well, comprising a depending carrier adapted to be secured to the lower edge of the panel, two pairs of vertically spaced rollers, one pair being mounted on the carrier to yield longitudinally relative to the other pair, and a pair of fixed upright guides within the well upon which the rollers of each pair are adapted to travel, the mounting for said yielding pair of rollers comprising swinging arms carrying the rollers and springs cooperating with the arms.

2,379,924
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application January 8, 1941, Serial No. 373,531
17 Claims. (Cl. 296—48)

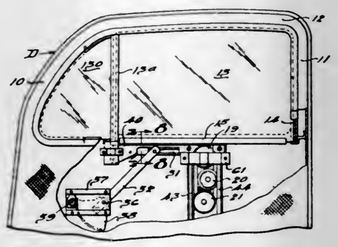
1. A guide structure for a vehicle window panel adapted to be mounted in a window frame for up and down movement, said window frame having a window well, comprising a fixed upright guide adapted to be mounted in the well, said guide comprising a metallic strip providing a pair of substantially parallel flange portions extending longitudinally within the well, said flange portions terminating in substantially parallel spaced

tracks, a roller guide device mounted exteriorly of a member adapted to be secured to the bottom of the window panel comprising transverse shaft means, spaced roller portions on the shaft means adapted to run on the tracks, means fixed to and rotatable with the roller portions and overlapping the flange portions adjacent the tracks for maintaining the roller portions and window panel against displacement relative to the guide in a



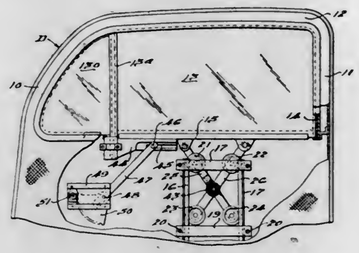
direction transverse to the plane of the panel, a spring urging the roller portions against the tracks, and a support for the shaft means, roller portions and said second named means mounted exteriorly of the upright guide, said spring being carried by the support exteriorly of the guide, and said shaft means and roller portions being carried and guided directly by the support for bodily movement relatively thereto in a longitudinal direction.

2,379,925
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application April 4, 1941, Serial No. 386,782
6 Claims. (Cl. 296—44.5)



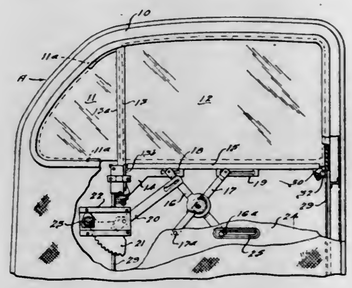
1. A vehicle body window structure having a window panel mounted for up and down movement in a window frame having a well, comprising a pair of fixed upright guides comprising channels, one with a rib track and the other with a grooved track, vertically spaced guide rollers including a longitudinally yieldable roller mounted on the lower edge of the panel to extend therebelow, one roller having a peripheral groove cooperable with said rib track and the other roller having a peripheral rib cooperable with the grooved track, the sides of said grooved track being normally slightly spaced from the rims of the grooved roller but engageable therewith when the yieldable roller yields sufficiently in a longitudinal direction to permit such engagement.

2,379,926
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application May 27, 1941, Serial No. 395,340
12 Claims. (Cl. 296—44.5)



1. A guide structure for a window panel mounted for up and down movement in a vehicle body having a well, comprising a pair of crossed arms pivotally connected to the lower edge of the panel at points spaced longitudinally in the direction of the plane of the panel, a pair of guide devices carried by each arm and engageable with spaced upright guides within said well, means whereby the pivotal connection of one arm to the panel may be shifted longitudinally with respect to the other connection, and yielding means acting on said arms to urge said devices toward their respective guides.

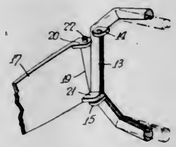
2,379,927
WINDOW GUIDE
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application March 25, 1943, Serial No. 480,493
5 Claims. (Cl. 296—48)



1. In a vehicle body having a window opening, a vertically slidable closure panel for the window opening, a well located below the closure panel for receiving the latter when it is lowered from the position thereof in the window opening, a pair of vertically extending guide members located in the well with one member positioned adjacent one vertical edge of the closure and with the other member positioned adjacent the opposite vertical edge of the closure, said guide members being free from frictional contact with the closure panel in all positions of the latter and having inwardly opening longitudinally extending recesses provided with transversely curved guiding surfaces, a pair of shoes respectively carried by the closure in positions adjacent the guide members and hav-

ing transversely curved portions of relatively small area respectively extending into the recesses in the guide members to cooperate with the latter in guiding the closure panel throughout its vertical movement.

2,379,928
SPECTACLES
David Rosenheim, New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J., a corporation of New York
Application November 10, 1942, Serial No. 465,121
3 Claims. (Cl. 88—41)



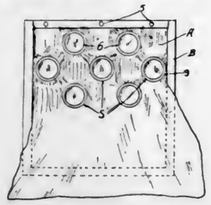
1. In spectacles of the type comprising a frame, with uninterrupted bezels, temples with wide shanks hinged to said frame and with straight base ends abutting against said frame in use; the combination in which the hinge mount comprises inturned lugs at the base ends of said temples, outwardly extending studs unitary with said lugs, and eyes unitary with the bezels, said studs bearing in said eyes said bezels being of material that is resiliently stretchable to permit spreading said eyes apart for insertion of said studs thereinto the lenses in said bezels serving to retain said eyes against relative displacement after assembly.

2,379,929
SEPARATING PROTEIN FROM WASTE MATERIAL
Eugene R. Rushton, Florence, Ala., assignor to Tennessee Valley Authority, a corporation of the United States of America
No Drawing. Application June 22, 1942. Serial No. 448,027
2 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the separation of protein from aqueous waste material containing proteins therein, which comprises (*a*) mixing a finely divided solid calcium metaphosphate with said waste material, (*b*) digesting the material for a time sufficient to precipitate a substantial proportion of the protein therein as a protein-phosphate complex, and (*c*) separating the precipitated protein-phosphate complex therefrom.

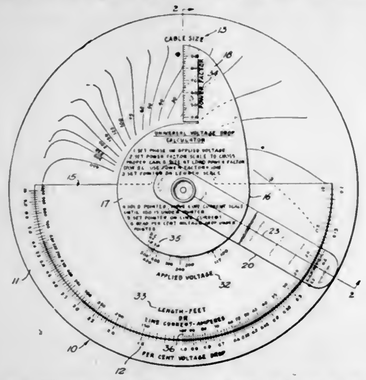
2,379,930
FILTER
William H. Sayler, Salt Lake City, Utah, assignor of one-half to H. E. Bassford, Salt Lake City, Utah
Application April 23, 1942, Serial No. 440,143
4 Claims. (Cl. 183—71)

1. A filter comprising a framework; rows of springs carried in said framework; and fabric wound over said springs to form a fabric socket around each spring open at one end only, the fabric being so folded starting from the top of the framework that it encompasses spaced springs when folded in one direction and oppositely encompasses the springs filling the spaces between the first spaced springs when folded in the opposite direction and so interfolded around and over the rows of springs that they form opposed spaced



apart individual columnar sockets in the fabric into which the air passes prior to passing through the filter fabric.

2,379,931
VOLTAGE DROP CALCULATOR
Herman Schaevitz, Collingswood, N. J.
Application March 15, 1944, Serial No. 526,619
5 Claims. (Cl. 235—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

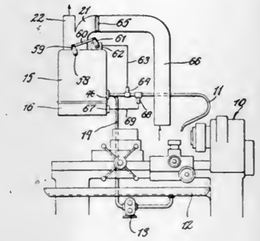


1. In a voltage drop calculator of the character described, a circular disc having a series of cable size curves extending somewhat radially over about a semi-circular half of said disc, a logarithmic scale of percent voltage drop extending along the periphery of the other half of said disc, a semi-circular disc of slightly smaller diameter rotatable over said first mentioned disc and bearing a logarithmic scale of length in feet or line current in amperes, said logarithmic scale corresponding to the first mentioned logarithmic scale, a smaller disc having a power factor scale pointer extending radially therefrom and adapted to cooperate with said above mentioned cable size curves, a phase scale on said power factor disc adjacent its periphery, and an applied voltage scale on said semi-circular disc adjacent the periphery of said power factor disc to cooperate with said phase scale thereon, and a pointer line member pivoted to rotate over said three discs.

2,379,932
HEAT EXCHANGE DEVICE
Paul H. Schoepflin, New York, and Charles N. Deverall and Robert C. Stutz, Buffalo, N. Y., assignors to Niagara Blower Company, Buffalo, N. Y., a corporation of New York
Application February 18, 1944, Serial No. 522,880
13 Claims. (Cl. 62—168)

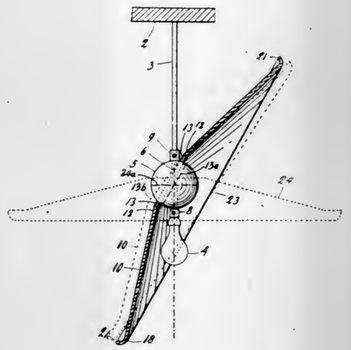
1. A heat exchange device for cooling a stream of fluid, comprising an enclosing casing having

top, bottom and side walls, a vertical partition extending across the interior of said casing and extending downwardly short of the bottom thereof, said vertical partition providing a working chamber on one side and an air passage on its opposite side, an air duct connected with the upper end of said air passage, an air duct connected with the upper part of said working chamber, a fan arranged to force a stream of air



through said air ducts, air passage, working chamber and under said partition, a cooling coil arranged in said working chamber and in the stream of air passing therethrough, means for discharging and distributing water over said cooling coil to wet the exterior of said cooling coil and to evaporate and absorb heat therefrom, and means for conducting the said stream of fluid to be cooled through said cooling coil.

2,379,933
ILLUMINATION OF ROOMS
Ludwig Schwarzmayr, San Francisco, Calif.
Application January 12, 1943, Serial No. 472,145
5 Claims. (Cl. 240—78)



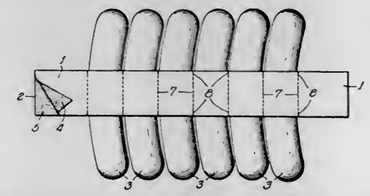
1. In an illumination unit, a globe, a source of light disposed below and adjacent thereof, and a reflector having supporting means surrounding and firmly engaging said globe adjacent its major dimension to support the reflector in position, said means being movable upwardly away from the major dimension of said globe to a position to be loosely slidable on the globe to facilitate adjustment of said reflector with respect to said source of light, and said means being movable from the loosely slidable position toward the major dimension of said globe to secure the reflector to the globe.

2,379,934
PACKAGE
Oscar E. Seiferth, Chicago, Ill., assignor to Oscar Mayer & Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1941, Serial No. 414,088
3 Claims. (Cl. 99—174)



1. A composite package and individual banding means for link-type sausages, which includes a generally flat flexible strip, a plurality of sausages arranged side by side, approximately in sidewise abutment with each other on said strip, and generally perpendicular to the length of the strip, the length of the sausages substantially exceeding the width of the strip, the strip, when the package is completed, being generally tangential to the sausages, a second strip including portions surrounding and engaging the exterior of each said sausage throughout a substantial part of the circumference of the sausage, the sausage engaging portions of the second strip forming sharp folds underlying the sausages, the opposite folds along each sausage being spaced sufficiently apart to permit contact of the first strip and the sausage, the part of the second strip between the folds along adjacent sausages being opposed to and secured to the lower strip, the two strips being weakened along a line of separation intermediate each pair of adjacent sausages, the secured portions of the two strips forming a band about the middle of each sausage when the sausages are separated.

2,379,935
PACKAGING METHOD
Oscar E. Seiferth, Chicago, and Edward C. Sloan, Geneva, Ill., assignors to Oscar Mayer & Co., Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1941, Serial No. 414,089
8 Claims. (Cl. 93—2)

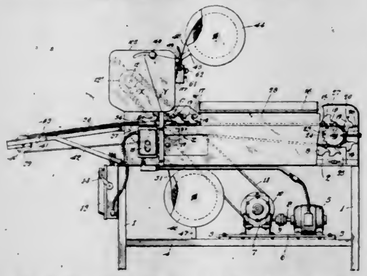


1. The method of securing articles such as sausages and the like in a unitary package including a supporting strip with abutting articles tangentially secured thereto, which includes feeding a strip toward a securing zone, securing a second strip thereto and moving the two strips forwardly in unison, inserting an article to be secured, between the two strips, adjacent the area at which the strips are already joined, moving the unjoined parts of the strip, and the article, over a convex support, sealing the strips together about the article while the strips and article overlie said convex support, moving the joined portions of said strips, with the article secured between, across said convex support, and thereby providing space between the article just secured and the article next to be secured, for performing the securing operation and progressively adding and securing additional articles, in the same manner.

2,379,936
ANTIOXIDANT
Arthur W. Sloan, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1941, Serial No. 412,304
20 Claims. (Cl. 260—809)

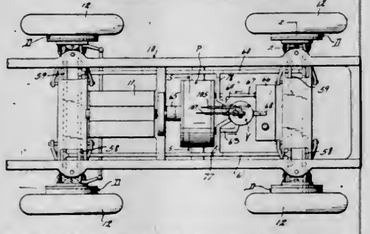
15. A rubber composition comprising a rubber and the product obtained by condensing butadiene-1,3 with a diarylamine in the presence of an acidic condensation catalyst.

2,379,937
BANDING MACHINE
Edward C. Sloan, Geneva, Ill., assignor to Oscar Mayer & Co., Inc., Chicago, Ill., a corporation of Illinois
Application May 8, 1944, Serial No. 534,666
20 Claims. (Cl. 93—2)



1. In combination in a banding machine for securing together a plurality of elongated articles, means for supplying, along separate and converging paths, two elongated bands of flexible web material, means for feeding progressively a plurality of said articles to a point between said bands, means for placing said articles and retaining them for a predetermined time interval at a point of band attachment, said means including parts adapted to take said articles from the feeding means and to move them to the point of attachment, band attaching means including an assembly, and means for raising and lowering the assembly and for causing it to attach one of said bands to the other band, said assembly including means for attaching said bands, means for perforating said bands, and means for cutting said bands, and driving means adapted to move said assembly toward and from the point of attachment.

2,379,938
FLUID POWER TRANSMISSION MECHANISM
Bernard August Swanson, Port Angeles, Wash.
Application December 19, 1941, Serial No. 423,681
6 Claims. (Cl. 60—53)

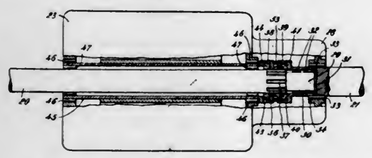


1. In a fluid power transmission system, a fluid pump having an intake port and an outlet port, means for driving said pump, a driven unit having two ports designed to act alternatively as intake and outlet ports, a control valve having a casing and a shiftable element in the casing, said casing having an inlet port connected with one port of the pump and having an outlet port connected with the other port of the pump, said valve casing also having two service ports, two conduits leading respectively from the service ports to the driven unit ports, said valve element having a plurality of ports constructed and arranged to facilitate, by selective movement of the element, the selective connection of said conduits with the ports of the pump for directing movement of fluid in either of two directions through the conduits, and for the separation of connection between the conduits and the pump to establish the pump and valve in one closed system and the driven units and valve in a second closed system, a shiftable shut-off forming a part of said shiftable element, resilient means normally maintaining said shut-off in position to block flow of fluid through the valve to said driven units but yielding when the shiftable element is in certain operative positions to establish such flow upon development of a predetermined pressure in the valve, a fluid reservoir, means providing a by-pass bleed passage leading from the valve casing inlet to said reservoir, and a fluid-passage between the bleed passage and the pump inlet, said by-pass bleed passage being maintained open during shut-off and non-shut-off positions of said shiftable shut-off.

2,379,939
RUBBER TO METAL ADHESIVE AND METHOD OF MAKING SAME
Roy M. Vance and Clement A. Damicone, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application September 4, 1942, Serial No. 457,328
4 Claims. (Cl. 260—769)

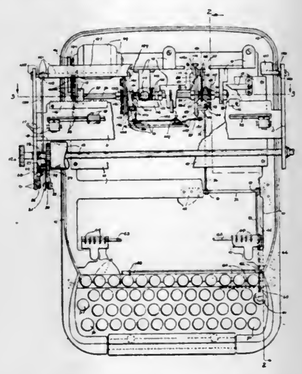
1. A method of producing rubber derivatives of the cyclized type, as evidenced by having the same carbon-to-hydrogen ratio as rubber and having less chemical unsaturation than rubber and unsaturated rubber addition products of the same percentage composition, which comprises forming a mixture of rubber, an alkali metal alum, phosphorus pentoxide and free sulphuric acid, and heating the mixture to procure an exothermic reaction product, said alum being present in the mix in amounts between about 15 parts and about 30 parts for each 100 parts of rubber, the amount of said phosphorus pentoxide being between 2 parts and 8 parts for each 100 parts of rubber, said sulphuric acid being present in amounts of .2 to 5 parts for each 100 parts of rubber.

2,379,940
POWER TAKE-OFF
Horace Russ Van Vleck, Upper Montclair, N. J.
Application June 25, 1941, Serial No. 399,625
2 Claims. (Cl. 180—53)



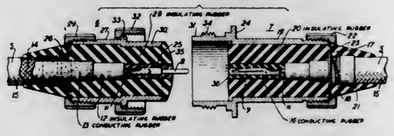
1. In a power take-off device, the improvement comprising a housing, a generator mounted in the housing, a drive-shaft extending into one end of the housing, a sleeve in operative connection with the generator, the sleeve extending axially through the generator and concentric to the drive-shaft, the drive-shaft being rotatable relative to the sleeve, a roller-bearing assembly mounted between the drive-shaft and the sleeve, a roller-bearing assembly mounted between the sleeve and a journal forming an integral portion of the housing, a circumferential power take-off gear integrally mounted on the inner end of the sleeve, a driven-shaft extending into the opposite end of the housing in axial alignment with the drive-shaft, a roller-bearing assembly mounted between the driven-shaft and a journal forming an integral portion of the housing, the inner end of the driven-shaft terminating in a hollow socket and the inner end of the drive-shaft fitting into the hollow socket, a roller-bearing assembly mounted between the inner end of the drive-shaft and the hollow socket of the driven-shaft, a circumferential propelling gear integrally mounted on the inner end of the driven-shaft, a clutch slidably mounted on and rotatable with the drive-shaft intermediate the hollow socket of the driven-shaft and the power take-off gear, clutch teeth circumferentially spaced on one side of the clutch adapted operatively to mesh with the teeth of the power take-off gear mounted on the sleeve, clutch teeth circumferentially spaced on the other side of the clutch adapted operatively to mesh with the teeth of the propelling gear mounted on the driven-shaft, a shifter associated with the clutch adapted selectively to slide the clutch laterally into and out of operative engagement with the power take-off gear and into and out of operative engagement with the propelling gear so that simultaneous operation of the generator and the propelling gear is prevented.

2,379,941
PRINTING MACHINE
Charles Walker, Syracuse, N. Y., and Willard H. Wade, Washington, D. C., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application May 20, 1943, Serial No. 487,686
30 Claims. (Cl. 197—66)



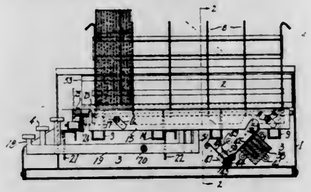
13. In a printing machine of the kind set forth for printing on paper at a printing line of the machine, in combination, a carriage advanceable and retractible longitudinally of the printing line of the machine for varying the relation between a printing means of the machine and paper to be printed upon at said line, a power shaft which is journaled in the machine independently of the carriage and is constantly rotated while the machine is in use, a carriage driving clutch engageable to connect said shaft with the carriage for return driving of the carriage, means for disengaging said clutch upon return of the carriage to a selected point and for maintaining said clutch disengaged during advance of the carriage from said point, and means transitorily connective with said shaft for actuation by said shaft to cause engagement of said clutch.

2,379,942
CABLE TERMINATING MEANS
Carroll A. Webber, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,835
10 Claims. (Cl. 173—328)



1. An electrical connector for joining two sections of high potential flexible cable comprising a pair of cooperating terminal members each having a layer of resilient conducting material positioned thereabout surrounded by a relatively thick sheath of resilient insulating material, the adjacent end surfaces of said layers and sheaths being easily compressible, the end surface of one member being convex with respect to the end surface of said other member, and means for forcing said members together and compressing said adjacent end surfaces.

2,379,943
CARD RECORD APPARATUS
John W. Whitson, New York, N. Y.
Application February 22, 1943, Serial No. 476,725
21 Claims. (Cl. 129—16.1)

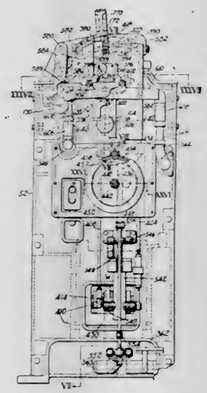


20. In a card record apparatus in which selectively operable cards having lugs formed in an edge thereof are selectively locked against movement by engaging the lugs on the cards with selectively settable selector members common to all of the cards and a force common to all of the cards moves cards not locked out of alignment with locked cards and the said force is other than the force of gravity: the combination of means applying the said force to the cards at timed intervals.

2,379,944
DRILLING MACHINE
Herbert J. Willmott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 4, 1943, Serial No. 497,415
12 Claims. (Cl. 144—93)

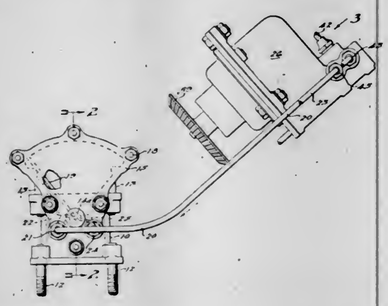
1. In a drilling machine, a work support including adjustable gage means adjustable along

a predetermined path for positioning different sizes of work for drilling, a drill support, means for guiding and reciprocating one of said supports toward and from the other in a drilling operation, adjustable drill holder means on said drill support adjustable to different predetermined positions for drilling of said different sizes of work, said adjustable gage means or a drill in said drill holder, upon being adjusted from one size of work to another being capable of passing across the previous location of the other, and



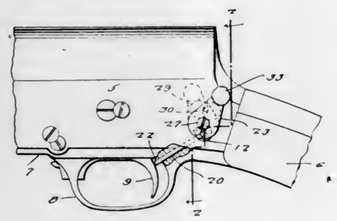
means to determine that the other is adjusted to its new location prior to a further drilling operation to prevent a drill contacting the gage means, including stop means connected for automatic operation in accordance with the movement of one of said adjustable means and projectable by said operation into the path of a part connected to and movable with the other said adjustable means to stop an adjustment of either said means relative to the other in which the gage means would cross the drill path of a drill in said holder means.

2,379,945
SPEED CONTROL GOVERNOR
Raymond A. Wyatt, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 25, 1942, Serial No. 466,850
11 Claims. (Cl. 123—103)



2. In a governing mechanism for an internal combustion engine having a butterfly throttle valve, a rock shaft carrying said valve, a pressure chamber having an oscillatable vane connected to said shaft for turning the same, means for introducing fluid pressure into the chamber at opposite sides of the vane to oscillate the same, valve means for controlling said last means, centrifugally operated means responsive solely to engine speed changes for shifting said valve means in one direction, spring means for shifting said valve means in the opposite direction, and a common means interposed between said valve means, centrifugally operated means and spring means through which said valve means is shifted in opposite directions.

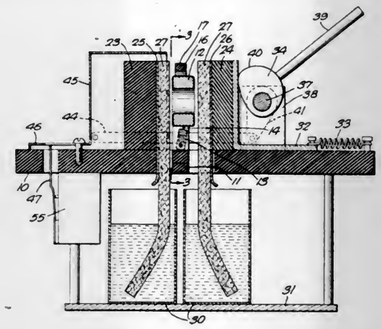
2,379,946
SAFETY DEVICE FOR FIREARMS
Ralph Harold Baker, Independence, Mo.
Application March 30, 1944, Serial No. 528,736
7 Claims. (Cl. 42—70)



1. In a firearm having a trigger and a breech housing provided with a trigger plate, a transverse assembly bolt extending across the breech housing rearwardly of and above the trigger, said assembly bolt having an axial socket open at one end of the bolt and at one side of the breech housing, a latch bolt slidable in said socket and having a tapered outer end, said latch bolt further having a relatively large portion and a smaller reduced portion, a spring normally acting to project said latch bolt, a trigger locking bolt slidable through the trigger plate and having one end arranged behind the trigger and the other end registered with the latch bolt, and a lever pivoted on a side of the breech housing and operable to retract the latch bolt in position to present the larger portion of the latter to the adjacent end of the locking bolt for holding said locking bolt in forwardly moved position engaged behind the trigger to prevent pulling of the latter, said lever being further operable to release said latch bolt and permit projection of the latter by said spring so as to register the reduced portion of said latch bolt with the adjacent end of the locking bolt and to thereby permit rearward movement of the locking bolt and pulling of the trigger.

2,379,947
TESTING DEVICE
Adolph F. Bandur, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1942, Serial No. 457,726
4 Claims. (Cl. 175—183)

1. In a device for detecting defective insulation of electrically insulated conducting structures, a support for an insulated conducting structure, means for piercing the insulation of said structure, relatively movable electrodes having wet compressible liquid absorbent members for engaging surfaces of the structure, means for relatively moving said electrodes to clamp the structure therebetween, and an electric signal circuit connected to said insulation piercing means and

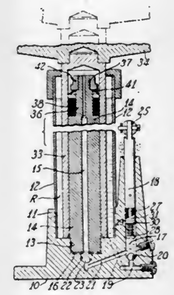


to said electrodes adapted to be operated when a current path is provided through said structure due to defective insulation.

2,379,948
ORGANIC ISOCYANATES
Edward Burgoine, Benjamin Collie, and Randal George Arthur New, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 29, 1943, Serial No. 492,782. In Great Britain June 29, 1942
3 Claims. (Cl. 260—453)

1. In the manufacture of organic isocyanates by reacting phosgene with a primary amine hydrochloride suspended in an organic liquid, the improvement which comprises obtaining said suspension by removing water, by evaporation, from an aqueous emulsion, in the organic liquid, of an aqueous solution of the amine hydrochloride, said emulsion being stabilised by the addition of a material which will stabilise emulsion of the water-in-oil kind.

2,379,949
HYDRAULIC DEVICE
Fred S. Carver, Short Hills, N. J.
Application March 4, 1943, Serial No. 478,026
7 Claims. (Cl. 309—4)

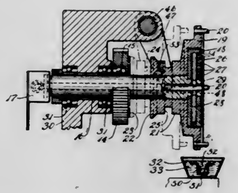


1. Apparatus for holding fluids under a wide range of pressures from substantially little pressure to a very high pressure, comprising a body having a cylindrical bore, a relatively movable member in the cylinder and having a portion of smaller diameter, a normally submerged annular packing ring of rectangular cross section carried by the smaller diameter portion of the member and fitting the cylindrical walls, a pressure distributing washer bearing on the packing ring, a spring bearing on the washer, means for putting the spring under compression so as to compress the packing ring and squeeze it against the cylinder walls at all times so that leakage is avoided, and a fluid admission passage whereby fluid under high pressure is applied on the packing in addition to the spring pressure and the packing ring is further compressed.

2,379,950
INK COMPOSITIONS
Irwin C. Clare, Elmhurst, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1942, Serial No. 430,080
3 Claims. (Cl. 106—23)

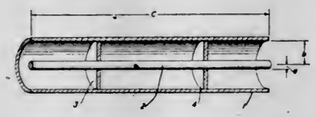
1. A typographic ink composition comprising polymerized rosin, mineral oil, and a pigment said rosin having a drop melting point between about 90 and about 175° C., and said rosin comprising between about 2 and about 65% of said composition.

2,379,951
COATING MACHINE
Herbert L. Davis, Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 30, 1942, Serial No. 470,559
21 Claims. (Cl. 91—12)



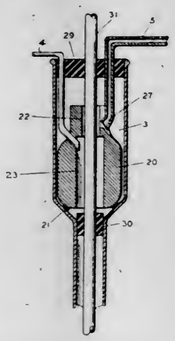
12. In a coating machine of the character described for applying liquid coating material to an annular edge portion of a generally flat circular object; a rotatable plate of generally circular configuration and smaller diameter than the object, the plate being adapted to receive the object for symmetrical rotation therewith and with the edges of the object projecting beyond the edges of the plate; retractable means adapted to engage the edges of the object for locating it on the plate for such symmetrical rotation; vacuum means for holding the object on the plate; applicator means mounted for movement into liquid-applying engagement with an edge portion of an object held by the holding means; and a single actuating means operable, by a single movement, to retract the locating means and expose the said edges of the object, to apply rotating forces to the holding means and so to effect rotation of the said means and the object and, after such retraction and rotation, to move the applicator means into liquid-applying engagement with an edge portion of the object, said single control means also being operable, by a second movement, to withdraw application of the rotating forces and to move the applicator means out of engagement with the object.

2,379,952
COAXIAL IMPEDANCE ELEMENT
Albert R. D'heedene, Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1943, Serial No. 474,439
5 Claims. (Cl. 178—45)



1. A reactive impedance element comprising a section of coaxial transmission line which comprises an outer cylindrical conductor and coaxial therewith an inner conductor of circular cross-section, the length of said section of line not materially exceeding an eighth wave-length at the operating frequency and the ratio of the inner radius of said outer conductor to the radius of said inner conductor being approximately 5.8.

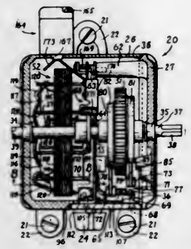
2,379,953
LIQUEFIED GAS EXPANDER
Donald R. Douslin, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 16, 1943, Serial No. 510,522
16 Claims. (Cl. 202—160)



12. In a constant pressure distillation apparatus, a distillation tube having a heating zone and a cooling zone, heat reservoir means in the cooling zone, and means responsive to small increases in pressure in the distilling tube to supply a cooling agent to the heat reservoir and responsive to larger increases in pressure to supply the cooling agent directly to the distillation tube.

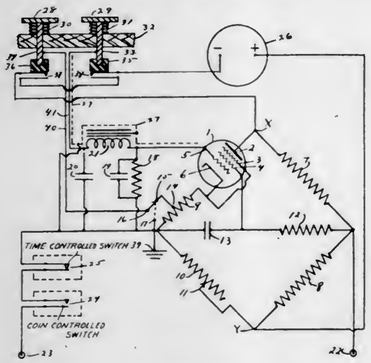
2,379,954
MOTOR OPERATOR
Walter E. Edelman, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 2, 1942, Serial No. 432,968
12 Claims. (Cl. 172—36)

1. A motor operator comprising a casing having a fixed portion and a portion removably secured thereto, an operating shaft journalled in part in said fixed and in part in said removable casing portion, a motor and gear train for driving said shaft, means for supporting said motor and gear train on said removable casing portion in drivable engagement with said shaft, a panel for electrical connections with said motor, and means for mounting said panel on said removable casing



portion so as to be removable therewith from said fixed casing portion together with said motor and gear train.

2,379,955
AMUSEMENT DEVICE FOR REGISTERING EMOTION
Stanley D. Eilenberger, Kenosha, Wis., assignor to Wolgen Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1943, Serial No. 503,303
4 Claims. (Cl. 128—2.1)

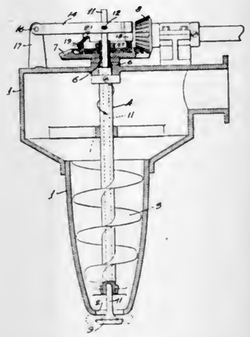


1. The method of indicating the instantaneous emotional state of a subject normally exhibiting a potential difference varying in magnitude and polarity between spaced points on the surface of the subject, in response to variations in the emotional state of the subject, comprising applying a biasing potential difference of uniform predetermined value and polarity across spaced points on the surface of the subject, to polarize the natural potential difference between said points, filtering the resultant potential difference to exclude all pulsating and alternating potential to obtain a unidirectional potential difference varying in magnitude as a function of the natural instantaneous potential difference between said points, amplifying said resultant potential difference and electrically indicating the instantaneous emotional state of the subject as a function of the instantaneous value of said amplified potential difference.

2,379,956
DOUGH FORMING DEVICE
Edmund T. Ersepke, San Francisco, Calif.
Application May 3, 1944, Serial No. 533,959
2 Claims. (Cl. 107—14)

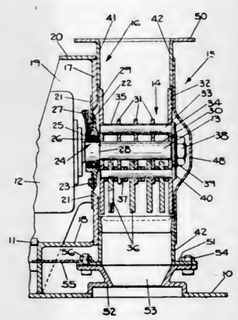
1. A dough-forming and dispensing device comprising a vertically disposed hopper having

a dough-forming discharge port in the bottom thereof; a hollow stemmed worm rotatably mounted within said hopper and having its periphery arranged in slight spaced relation to the interior of said hopper; a cutter arranged to move into and out of said discharge port and



having a stem slidably mounted through said hollow stemmed worm; a plurality of nested and matching cams adjustably connected to said worm and cutter stem and arranged to actuate said cutter at one or more intervals during each rotation of said worm.

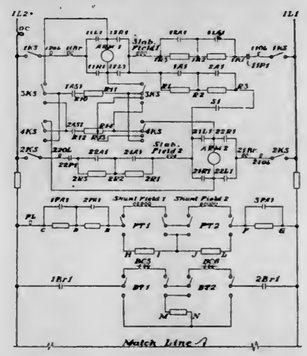
2,379,957
GRINDER
Oscar J. Feight, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 2, 1942, Serial No. 445,433
8 Claims. (Cl. 241—194)



1. A grinder including a rotor shaft, bearing means mounting said shaft for rotation, said shaft having an extension on one side of said bearing means providing a free end thereof, a rotor mounted on said shaft extension all on one side of said bearing means, said rotor including axially spaced reducing means positioned between spaced end plates at opposite ends of said shaft extension, said reducing means extending radially substantially equidistant with said end plates, said shaft having abutment means adjacent said bearing means against which one of said end plates abuts, the other end plate being adjacent the free end of said shaft extension, and means including a nut threaded on the free end of said shaft extension for clamping said adjacent rotor end plate in position.

4. A grinder including a support, a housing including an end plate rigidly attached to said support, said housing also including a second end plate and spaced walls extending continuously between the two end plates, a shaft extending through an opening in said first end plate and terminating within said housing and adjacent said second end plate, said housing having means providing a bottom material discharge opening, means removably connecting said second end plate and said walls complete as a unit to said first end plate, and a material reducing rotor mounted on said shaft, the construction and arrangement being such that when said connecting means is released said unit may be removed from said first end plate by movement of said unit along the axis of said shaft while said rotor remains on said shaft.

2,379,958
SKIP HOIST CONTROL
Gordon Fox, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application December 11, 1942, Serial No. 468,698
33 Claims. (Cl. 172—152)



32. In combination, a pair of motors, each provided with a shunt field winding, and control means for connecting said motors in series for starting and for slow speed running conditions and in parallel for high speed running conditions, said control means being adapted to effect the transition from series connection to parallel connection and reversal without open-circuiting said motors, said control means including means for further controlling the speeds of said motors by simultaneously weakening or strengthening said shunt field windings of said motors.

2,379,959
HOOD CLOSURE CAP
Carl W. Goodwin, North Plainfield, N. J., and Harold W. Martin, Malvern, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Original application April 26, 1941, Serial No. 390,468. Divided and this application December 12, 1942, Serial No. 468,792
3 Claims. (Cl. 215—38)

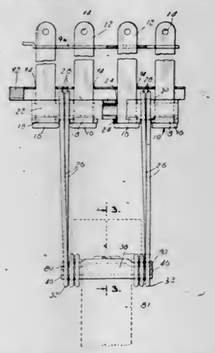
2. As an article of manufacture, a hood closure cap preformed from a paper blank, comprising a depressed diaphragm, an annular pouring lip housing, and a depending skirt, said skirt being folded along predetermined crease lines to form substantially triangular overlapping pleats, said triangular overlapping pleats being compressed

to a thinner section than said blank, said skirt also having small areas near the apices of the pleat forming sections compressed to a thinner



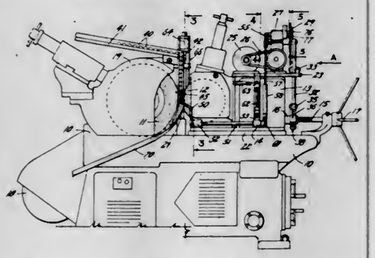
section than said blank to facilitate bending of said skirt into said pleats and to reduce bunching of the surplus material of the contracted skirt at said apices.

2,379,960
TRAVELING WORK SUPPORT
Henry H. Harris, Champaign, Ill.
Application August 5, 1942, Serial No. 453,749
5 Claims. (Cl. 198—131)



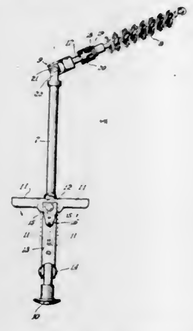
1. A movable work support for use in heat treating furnaces of the horizontal-chamber, endless-overhead-conveyor type comprising a platform of openwork formation having a pair of tubular end members, a pair of side members, each pair of the side elements comprising two bars, the side members being threaded onto the end members, and hanger link means to support the platform, the lower ends of said links being threaded onto the end members over the side members and the upper ends of said links being secured to the moving means.

2,379,961
AUTOMATIC INFEED AND EJECTING ATTACHMENT FOR GRINDING MACHINES
John E. Heckethorn, Anthony B. Bourg, and Edward J. Leonard, Littleton, Colo., assignors to Heckethorn Manufacturing & Supply Co., Littleton, Colo.
Application August 2, 1943, Serial No. 497,102
9 Claims. (Cl. 51—215)



1. In a centerless grinding machine having a feed wheel, means for moving the feed wheel toward and away from the work comprising: a feed member adapted to reciprocate the feed wheel in consequence of its rotation; a crank member secured to said feed member; a rocking lever; a pivot for said rocking lever intermediate its extremities; a connecting rod connecting one extremity of said rocking lever with said crank member; a cam for swinging the other extremity of said rocking lever; and means for rotating said cam.

2,379,962
CLEANING TOOL
William F. Hoerle, Torrington, Conn.
Application December 10, 1941, Serial No. 422,383
6 Claims. (Cl. 15—104.20



6. A cleansing tool comprising a main shaft, a member swivelled to one end of the shaft, a brush removably mounted to said swivelled member, means on the swivelled member and means on the brush coacting to attach the brush to the swivelled member, and a blade-like projection on said swivelled member cooperating with said brush in the attached position thereof to prevent relative rotation of said brush with respect to said swivelled member.

2,379,963
LIFESAVING SUIT
Harry Holding, Hamden, Conn.
Application March 14, 1944, Serial No. 526,384
1 Claim. (Cl. 2—2.1)



A life saving suit having an enlarged neck opening bordered by soft pliable material containing a marginal hem, a flat relatively wide draw band strung through said hem for gathering said material to form a snug-fitting upstanding collar, and a sliding clasp member tracking on said draw band said clasp being freely slidable in a direction to tighten said band and having a releasable spring-pressed roller frictionally engaging the flat sides of said band for gripping the same to prevent loosening of said band, said roller having release means extending beyond said clasp on opposite sides and arranged to be gripped by a gloved hand for releasing said band by an outward pull.

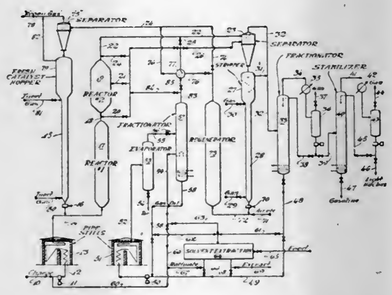
2,379,964
ADHESIVE SHEET MATERIAL
Edward Sidney Hole, London E. C. 4, England
No Drawing. Application April 11, 1942, Serial No. 438,659. In Great Britain May 13, 1941
2 Claims. (Cl. 117—80)

2. An adhesive sheet material comprising a layer of fibrous material coated on both sides with a normally dry, flexible, non-tacky, heat-activatable adhesive comprising a major proportion of gutta percha and a minor proportion of a mixture of an adhesive agent selected from the group consisting of rosin, natural gum and wood pitch and a plasticizer selected from the group consisting of petroleum jelly and an insoluble metallic soap.

2,379,965
METAL SALTS OF POLYHYDROXYALKYLDITHIOCARBAMIC ACIDS AND THEIR PREPARATION
Madison Hunt, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 4, 1944, Serial No. 525,121
7 Claims. (Cl. 260—211)

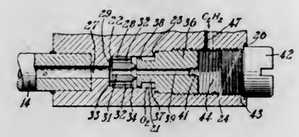
1. A metal salt of an N-polyhydroxyalkyldithiocarbamic acid wherein the N-polyhydroxyalkyl radical is that of a reducing sugar.

2,379,966
HYDROCARBON CONVERSION SYSTEM
Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,509
10 Claims. (Cl. 196—52)



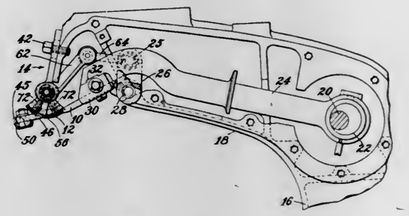
1. In a hydrocarbon conversion system wherein gas oil is cracked by a catalyst suspended in gas oil vapors and is subsequently separated from said vapors and wherein a thermally cracked naphtha is produced by thermal cracking of heavier-than-gasoline hydrocarbons separated from catalytically cracked gasoline, the method of increasing the octane number of said thermally cracked naphtha which comprises contacting said thermally cracked naphtha vapors at a temperature of about 800 to 1100° F. with a catalyst that has previously become coated with a carbonaceous deposit in said gas oil cracking step.

2,379,967
BLOWTORCH
Homer W. Jones, Westfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application July 23, 1941, Serial No. 403,636
11 Claims. (Cl. 158—27.4)



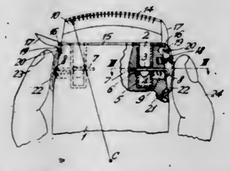
11. A blowtorch having a chamber; an abutment member in said chamber; an annular shoulder member spaced from said abutment member; a mixer nozzle member in said chamber seated on said abutment member; and a clamping member in said chamber gas-tightly seated on both said shoulder member and said mixer nozzle member and holding the latter against said abutment member; a first one of said members including a sharp pointed annular boss integral therewith bearing against a second one of said members, one of said first and second members yielding slightly under the pressure of the other of said first and second members, whereby said clamping member accurately seats on both said shoulder member and said mixer nozzle member.

2,379,968
TRIMMING MACHINE
Clyde L. Knott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 29, 1943, Serial No. 496,544
9 Claims. (Cl. 12—83.5)



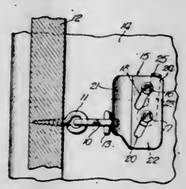
1. An upper-trimming machine comprising a gage engageable with the overlasted margin of the upper of a shoe and having a shoulder about which the portion of the overlasted margin adjacent to the edge of the upper may be bent away from the shoe bottom, a gage engageable with the perimeter of the shoe bottom to insure a predetermined distance between said shoulder and the perimeter of the shoe bottom, a tool for raising said portion of the overlasted margin of the upper and bending it over said shoulder, and means adjacent to the first-mentioned gage for trimming the raised portion of the overlasted margin of the upper.

2,379,969
DRY-SHAVING APPARATUS
Victor Kobler and Werner Kobler, Zurich, Switzerland
Application March 27, 1944, Serial No. 528,263
In Switzerland February 23, 1943
12 Claims. (Cl. 30—41)



1. In a dry shaving apparatus, the combination with a shearing head including an oblong hollow outer cutter secured to a handle and receiving an inner cutter in longitudinally reciprocable relation to the oblong hollow portion of said outer cutter, controllable closure flaps arranged on said shearing head at the sides of said handle adjacent to the longitudinal ends of said outer cutter, of control means associated with said closure flaps allowing of opening and closing said flaps conveniently with the same hand as used in shaving with the apparatus.

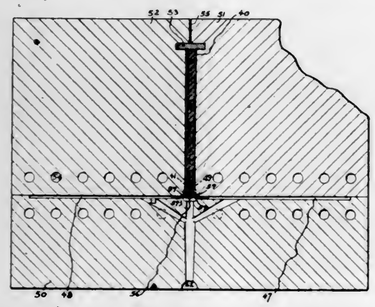
2,379,970
SAFETY WINDOW SCREEN AND DOOR LOCK
Joseph H. Koebel, Rock Island, Ill.
Application September 11, 1943, Serial No. 501,913
3 Claims. (Cl. 292—106)



1. A safety hook locking mechanism for use with a hook and eye, comprising a guard shield, vertically spaced supporting members for positioning said shield adjacent said hook, said shield having slots therein to permit limited movement of said shield relative to said supporting members, whereby said shield may be moved into a position to prevent release of said hook from the hook eye, said shield slots being angularly positioned with respect to a line bisecting said spaced supporting members to permit said shield to be shifted diagonally with respect to said hook to provide clearance for the latter to unhook the same from the hook eye, and pivotally supported releasable latch means to optionally hold said shield in its hook guarding position, said latch means upon release allowing said diagonal shifting of said shield to move the same out of the path of the hook.

2,379,971
MOLD FOR BINDING BOOKS
John J. Krehbiel, Bridgeport, Conn.
Application December 21, 1937, Serial No. 181,034
15 Claims. (Cl. 1?—36)

6. A mold serving to retain a plurality of sheets for the operation of casing said sheets in the manner of a book, comprising a flat bottom wall, a pair of parallel, relatively spaced head and tail walls extending from said bottom wall, forming a reactangular channel therewith and adapted to abut upon the head and tail edges of a plurality of sheets deposited upon said bottom wall and to align such sheets with each other, a top wall parallel with and spaced relatively to said bottom wall and adapted to engage topwise upon such plurality of sheets deposited upon said bottom wall, said bottom and top walls being oppositely, outwardly offset at and near one end from one of said pair of walls to the other one, so that such a plurality of sheets may be permanently interengaged by a plastic flowed thereover where they extend between the offset portions of said bottom and top walls, said bottom and top walls being movable towards and away from each other in order to close upon sheets stacked there-



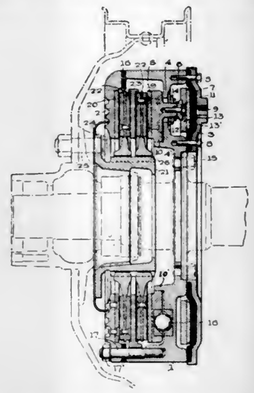
between, and an end plate for such plurality of sheets inserted into opposite slots in said bottom and top walls near their other ends.

15. A mold for casing a book comprising companion sections having confronting faces defining a compartment open at one end and adapted to accommodate a stack of sheets to be bound in book form and side compartments adapted to be filled with molding plastic, the side compartments being angularly disposed with respect to the first compartment and each other and having open ends in close proximity to the open end of the first compartment, and a cavity across the open end of the first compartment communicating with open ends of all of the compartments, and the planes of the compartments intersecting within the cavity at a point opposite the first compartment.

2,379,972
ADAPTER BRAKE MECHANISM
Homer T. Lambert, St. Joseph, Mich., assignor to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application June 30, 1944, Serial No. 542,933
2 Claims. (Cl. 188—152)

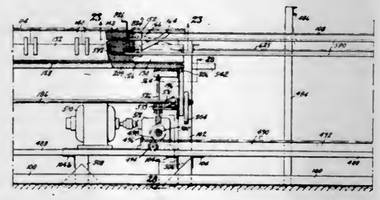
1. In brake mechanism for vehicle wheels adapted for mounting on vehicle spindles, the combination of a stationary housing having a partition therein dividing the housing into a disc-receiving chamber at one end and a separate chamber at the other end, means for mounting said housing on the wheel spindle, a primary disc mounted in said disc chamber, an adapter unit connected to the vehicle wheel, a stationary secondary disc in said disc chamber, means for connecting said secondary disc to the housing, spaced rotative discs between the primary and secondary discs operatively connected to the adapter unit for rotation with the wheel, a non-rotative friction disc intermediate the rotative discs and

connected with the means for fastening the secondary discs to the housing, and fluid actuating



means in said second-mentioned chamber for causing all of said discs to frictionally engage upon brake application.

2,379,973
APPARATUS FOR THE MANUFACTURE OF FINNED STRUCTURES
Lester U. Larkin, Chicago, Ill., assignor to Lul Products, Inc., Baltimore, Md., a corporation of Maryland
Original application March 19, 1938, Serial No. 196,881. Divided and this application July 26, 1941, Serial No. 404,105
10 Claims. (Cl. 153—80.5)

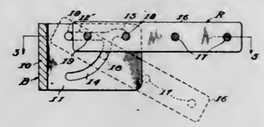


3. In a machine for fabricating finned heat exchangers of different lengths, a frame, means for retaining apertured fins in spaced relationship and in a position to receive a tube of desired length extending through the apertures, a carriage movably mounted on said frame, a tube expander movable by said carriage, means for moving said carriage in a direction to advance said expander into said tube, means for moving said carriage in the opposite direction to withdraw said expander from said tube, and means for automatically stopping said carriage substantially immediately upon withdrawal of said expander from said tube, regardless of the length of the latter.

2,379,974
CELLULOSIC LACQUER
Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1943,
Serial No. 485,367
15 Claims. (Cl. 106—173)

1. A coating composition comprising an ester of a hydrogenated rosin acid and a polyalkylene glycol having at least 3 alkylene groups connected by ether linkages, and for each 10 parts by weight of the ester, between about 5 parts and about 80 parts of an organo-soluble film-forming cellulose derivative compatible with the ester.

2,379,975
CLOTHES DRYING RACK
Kenneth E. Luger, Minneapolis, Minn.
Application March 1, 1944, Serial No. 524,513
6 Claims. (Cl. 211—99)



5. A clothes drying rack structure comprising a bracket having a pair of horizontally spaced parallel end members having channels in their adjacent walls, and a rack having a pair of spaced extensions at each end thereof projecting into the respective channels, each channel comprising a horizontal branch having a closed end, and an arcuate branch extending downwardly from the horizontal branch concentric with a median point therein and having a closed end therebelow, the horizontal branch being of a length to support both extensions therein with one thereof in said closed end to maintain the rack in horizontal operative position, and the extensions being slidable in the horizontal branch for entry of one thereof into said arcuate branch for swinging movement of the rack about the other extension to vertical inoperative position.

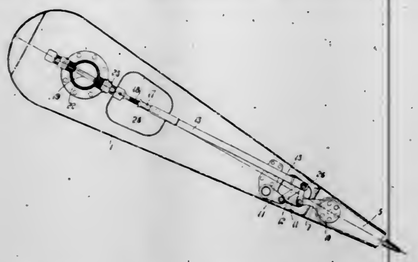
2,379,976
CONDUCTIVE PLASTIC
Bruce H. Maddock, Fanwood, N. J., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application June 9, 1943,
Serial No. 490,222
4 Claims. (Cl. 260—41)

1. A tough, resilient and elastic composition having a D. C. resistivity at 25° C. less than 500 ohm-cm. and capable of grounding an electrostatic charge, comprising a highly polymerized vinyl chloride resin in intimate combination with a plasticizer amounting to from about 20% to 45% by weight of the composition, and from about 30% to 40% by weight of the composition of a finely-divided carbon black.

2,379,977
TRIMMER TAB CONTROL FOR AIRPLANES
James Martin, Higher Denham, near Uxbridge, England
Application March 9, 1942, Serial No. 434,013
In Great Britain March 15, 1941
1 Claim. (Cl. 244—90)

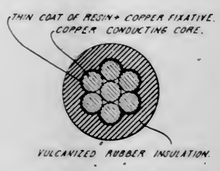
In an airfoil, the combination of, an aileron, a trimmer tab pivotally mounted on the trailing edge of said aileron, a horn centrally disposed on and rigidly fixed to the forward part of the trimmer tab and projecting forwardly through a slot into the trailing edge of said aileron, a link having one end pivotally mounted to the end of said projecting part of said horn, a second link positioned inside the trailing edge of said aileron and having one end pivotally mounted therein, a screw-threaded jack positioned inside said aileron having an elongated shaft extending rearwardly inside the trailing edge of

said aileron, the other ends of said links being pivotally connected to said shaft at a common point to give a triangulated disposition of the



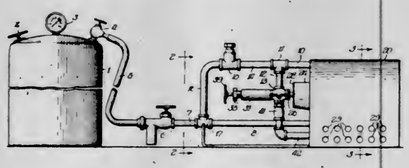
pivots which furnishes spacial rigidity, positive control of the trimmer tab, and divides the force applied to said shaft by the trimmer tab.

2,379,978
RUBBER COVERED COPPER ARTICLE
Albert W. Meyer, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 12, 1941, Serial No. 397,820
7 Claims. (Cl. 117—75)



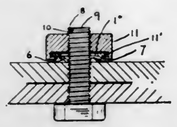
1. A composite rubber-covered copper article in which a highly effective barrier consisting of a substantially continuous flexible resin coating containing in addition to the resin an organic amine copper fixative is interposed between the rubber and the copper.

2,379,979
METHOD OF BURNING LIQUID FUEL
Elzear V. Michaud, Chicago, Ill., assignor to Harold T. Ames, Wilmette, Ill.
Application February 16, 1942, Serial No. 431,122
6 Claims. (Cl. 158—117.5)



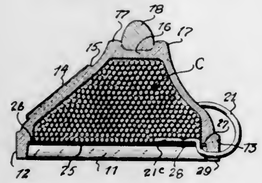
1. The method of burning liquid fuels which comprises: subjecting the fuel to a working pressure of approximately 35 pounds, heating the fuel under said pressure to a temperature below the coking temperature and above the vaporizing temperature of the fuel at that pressure to vaporize the fuel, liberating a portion of the vapor so formed from said pressure, returning the remainder of the vapor so formed to the fuel to pre-heat and agitate the fuel, heating air to a temperature substantially equal to the gasification temperature of said liberated vapor, mixing said liberated vapor with said heated air to gasify the vapor, and passing the gas and air mixture so formed through a zone of primary combustion into a zone of secondary combustion in which zones the gas is burned.

2,379,980
LOCK NUT
Edwin August Miller, Fairfield, Conn.
Application September 29, 1943, Serial No. 504,221
1 Claim. (Cl. 151—15)



A lock-nut means comprising a flexible sheet-stock structure having a continuous unbroken contour; a central area in a flat plane provided by said structure; a substantially circular perforation extending through said area; an enlargement of said perforation, said enlargement interrupting the circular outline of said perforation at closely related points thereof in said plane; in combination with a threaded bolt upon which said means at said related points yields to contact relatively spaced convolutions of thread; and crowding means carried by said bolt and contributing to the urging of said related points toward said flat plane in binding contact with said convolutions.

2,379,981
CANDY CONTAINING TOY TELEPHONE
Jacob H. Millstein, Jeannette, Pa.
Application July 5, 1944, Serial No. 543,543
3 Claims. (Cl. 46—11)

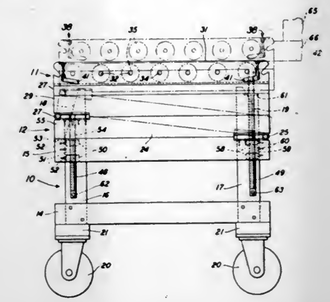


1. In a candy containing toy telephone, a hollow transparent base open at the bottom thereof, a closure plate removably attached to the open bottom, a combination receiver and transmitter, and a cord connection between the transmitter and closure plate with said cord adapted for use as a pull device to remove the closure plate from the opening in the base, said closure plate and base having notches therein for the passage of the cord through the base notch above the lower edge of the base with the cord overlying the closure plate and means for securing the cord to the plate.

2,379,982
TRUCK
Donald H. Mitchell, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1943, Serial No. 509,977
5 Claims. (Cl. 214—121)

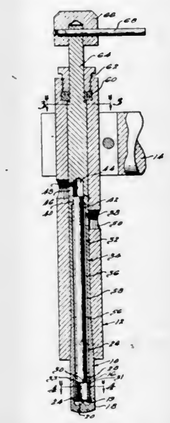
1. A truck for transporting articles comprising a body, supporting wheels therefor, a plurality of

rollers carried by the body for receiving and supporting an article thereon, a retaining element to maintain the article on the rollers a recess



in the body for the element, and means to support the element for movement into the recess out of the path of the article to free the article for movement off of the rollers.

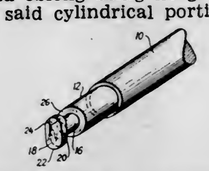
2,379,983
WELDING MECHANISM
Alexander L. Munson, Detroit, Mich.
Application November 8, 1943, Serial No. 509,390
7 Claims. (Cl. 219—4)



1. In combination, a work engaging element, a holder therefor having passages through which coolant may be supplied to the element, and a control member movably associated with said holder, said member being movable to forcibly separate the element from the holder and to control the effectiveness of at least certain of said coolant passages.

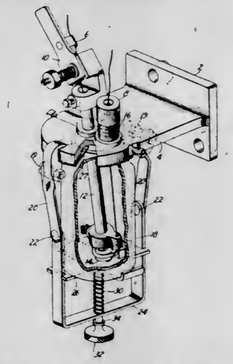
2,379,984
SIMPLIFIED DRIVE FOR CUTTING TOOLS
Joseph Richard Nereaux, Cincinnati, Ohio, assignor to Wright Aeronautical Corporation, a corporation of New York
Application July 16, 1943, Serial No. 495,062
8 Claims. (Cl. 279—93)

1. An arbor for drivably supporting a cutting tool comprising a cylindrical tool supporting portion about which said tool is adapted to be snugly received, a coaxial end portion of oblong cross-section having diametrically opposed curved end surfaces with intermediate flat side surfaces, the length of said oblong being no greater than the diameter of said cylindrical portion, and a co-



axial, reduced-diameter intermediate portion having a diameter corresponding to the width of said end portion, said cylindrical tool-supporting portion having an axial length at least equal to the axial length of said end portion.

2,379,985
THREAD WAXING DEVICE
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 22, 1943, Serial No. 515,225
4 Claims. (Cl. 91—18)

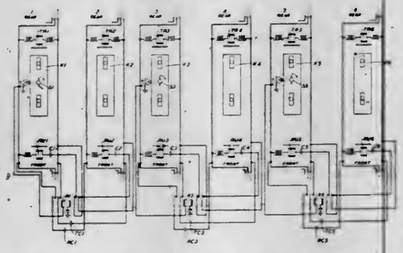


1. A thread waxing device for sewing machines, comprising a container for liquid wax, a frame, a cover on the frame for the container against the lower surface of which the mouth of the container is supported, downwardly projecting arms of a length less than the height of the container secured to the cover, a U-shaped yoke of a length at least as great as the diameter of the container hingedly connected at its ends to the lower ends of the arms, and a platform mounted within the yoke to locate the mouth of the container on the cover while the yoke is swung on its hinges to one side and to engage and clamp the mouth of the container against the cover when the yoke is swung beneath the container.

2,379,986
TALL OIL COMPONENTS SEPARATION
Emil Ott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1942, Serial No. 440,977
3 Claims. (Cl. 260—97.5)

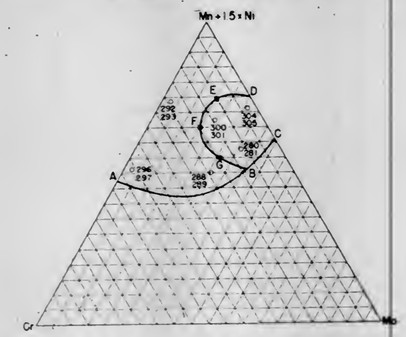
1. In the method of separating the fatty and resin acid components of tall oil the step which comprises treating an acetone solution of tall oil with ammonia at a temperature between about —10° C. and about 100° C. until reaction with said resin acid component is at least partially complete.

2,379,987
SWITCHBOARD SYSTEM
Leslie F. Porter, Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 29, 1944, Serial No. 524,406
4 Claims. (Cl. 179—41)



1. In a telephone system, a switchboard having a plurality of direct current supervision trunk lines and ring-down toll lines terminating thereat, two cord circuits at said switchboard, each cord circuit having front and rear cords, a direct current responsive supervisory signal device and an alternating current responsive supervisory signal device in bridge of each cord circuit intermediate the end thereof, and means for arranging said two cord circuits to permit the interconnection of two of said direct current supervision trunk lines over the two rear cords of said two cord circuits, said means comprising a pair of condensers and operator controlled switching means associated with one of said cord circuits for disconnecting the alternating current devices in both of said cord circuits and interconnecting the respective tip and ring conductors of said two cord circuits through said condensers.

2,379,988
STEEL ALLOYS
Carl B. Post and Maurice C. Fetzer, Wyomissing, Pa., assignors to The Carpenter Steel Company, Reading, Pa., a corporation of New Jersey
Application February 22, 1944, Serial No. 523,403
2 Claims. (Cl. 75—128)

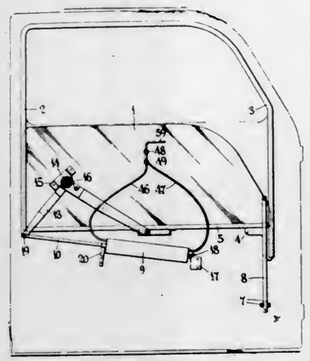


1. An air-hardening steel capable of being annealed to a condition sufficiently soft for commercial machining requirements and capable of being hardened in sections having a size at least as great as those typified by sections four inches round by four inches long, to yield a product having high toughness, said steel containing 0.40 to 0.60 per cent. carbon, a total alloy content of 4 to 6 percent. and the balance principally iron, and in which steel the relationship between the alloying elements, chromium, molybdenum, and manganese plus 1.50 times the nickel content is such as to define a point lying within the area delineated by the line CDEFGB, on the accompanying pseudo-ternary diagram, passing through the following series of points:

Point	Percent Mn+1.5×Ni	Percent Cr	Percent Mo
C	61	Nil	39
D	75	Nil	25
E	74	10	16
F	65	19	16
G	55	19	26
B	51	13	36

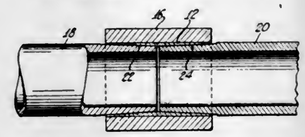
and in which the nickel is not less than about 0.5 per cent. and not greater than 1.5 per cent. by weight, and in which the manganese is not less than about 1.25 per cent. and not greater than about 3.75 per cent. by weight.

2,379,989
WINDOW OPERATOR
Anton Rappl, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application September 17, 1940, Serial No. 357,140
4 Claims. (Cl. 268—20)



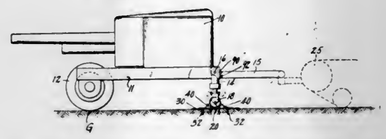
1. In combination with a movable window, a fluid motor operatively connected thereto and having a chamber, a piston relatively slidable therein, said motor having fluid passages normally establishing communication between the chamber at opposite sides of the piston and a source of suction, and said piston comprising relatively movable sections each having fluid packing contact with the chamber wall for independent fluid actuation in a direction opposite to that of the other section, a piston rod connected to one of said sections whereby attempt to force the window open from the outside will move such section relative to its companion section, one way clutch means operable by such relative movement from the outside force to lock the piston against sliding on the chamber wall in a window opening direction while permitting manual closing of the window, and a controlled pressure equalizing communication through said companion section to avoid the building up of an operating pressure differential on the companion section by such outside force on the window during window closing movement whereby to avoid the buildup of any pressure effective to actuate said companion section.

2,379,990
PIPE COUPLING
Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 19, 1942, Serial No. 458,925
5 Claims. (Cl. 285—114)



1. A rigid pipe coupling assembly comprising a pipe section having an end portion smoothly tapered to have a minimum diameter at the end of the pipe, a tubular sleeve surrounding said tapered end portions, a liner in said sleeve composed of a hardened, yieldable plastic material and having a pre-formed taper complementary to said tapered end portion and in close sealing contact therewith, said liner terminating in a thin edge adjacent the end of the sleeve, whereby said plastic liner resists blowing upon application of pressure from within said pipe.

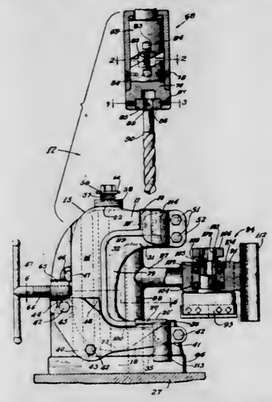
2,379,991
GROUND GRIPPING MEANS FOR GUN MOUNTS
Jacques Marcel Jules Riboud, Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y., a corporation of Maryland
Application December 22, 1941, Serial No. 423,893
5 Claims. (Cl. 89—40)



1. A platform, a gun thereon, and means to support the platform in spaced relation to the ground and means to prevent side- or end-wise shifting of the platform during firing of the gun, the supporting means comprising a pair of legs at one end of the platform, each leg having a wheel at the terminal end thereof, the shift preventing means comprising a flat, ground contacting plate and a pair of blocks for each wheel secured between the wheel and the plate.

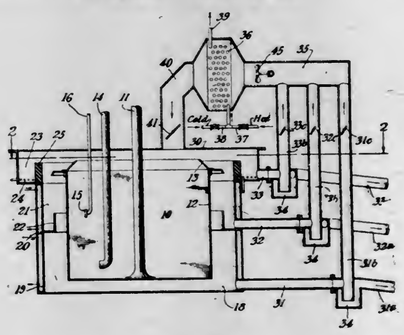
2,379,992
WORK SUPPORTING AND FINISHING APPARATUS
Anthony M. Sasgen, Chicago, Ill., assignor to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application July 9, 1943, Serial No. 493,975
12 Claims. (Cl. 29—26)

1. In a work blank finishing apparatus, a supporting means comprising a base and a work blank holder mounted on said base, a rotary and axially movable tool supporting and driving means positioned to have a tool supported and driven thereby operate upon a work blank mounted in said holder, an auxiliary tool support pivotally mounted on said base, a rotary cutting tool mounted in said auxiliary support for rotation and for limited axial movement, spring means urging said cutting tool to a withdrawn position, said auxiliary support having an inoperative position and an operative position wherein the rotary cutting tool carried thereby is in position when shifted axially to act on a work blank in the holder while the work blank remains in the same position had during the performance of the other



operation thereon, and means interchangeable with the tool carried by said tool supporting and driving means and forming a connection therefrom to the tool in said auxiliary support for rotatively driving said tool in said auxiliary support and for shifting the same axially into cooperative engagement with the work blank.

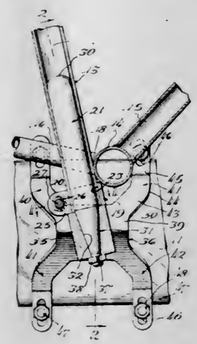
2,379,993
CENTRIFUGAL
August Henry Schutte, Bronxville Manor, N. Y.
Application December 7, 1940, Serial No. 368,983
9 Claims. (Cl. 210—63)



1. In the continuous separation of a mixture of materials having different melting points wherein such mixture is emulsified in liquid condition with a liquid inert and non-solvent with respect to said materials and the resulting emulsion is cooled until the material to be separated has solidified and wherein the cooled emulsion is continuously fed into one end of a centrifugal separator, from which the liquid of the emulsion separated from the solid is removed, and wherein the resulting separated solid is continuously moved in an axial direction and discharged from the other end of the separator and wherein a temperature sufficient to maintain said separated liquid in liquid condition is created at the feed end region of the separator and a higher temperature sufficient to melt the discharged

solid is created in a region adjacent the solid discharge end of the separator whereby a temperature gradient is set up between the ends of the separator, the steps of controlling said temperature gradient which comprise performing said separation in a confined space to exclude the external atmosphere, adjusting the temperature of a gaseous medium, saturating such gaseous medium with the vapors of said non-solvent liquid, continuously introducing said vapor-saturated, temperature-conditioned gaseous medium into said confined space, controlling the amount of such gaseous medium so introduced whereby the temperature and vapor content of the atmosphere within said confined space are controlled, passing such introduced medium through the separator countercurrent to said axially moving solid material to maintain said temperature gradient, continuously withdrawing said vapor-saturated temperature-conditioned gaseous medium from said confined space, and controlling said withdrawal of said vapor-saturated gaseous medium to control the circulation of the gaseous medium within said confined space and separator.

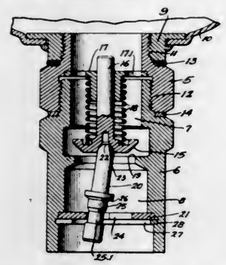
2,379,994
BICYCLE CARRIER
Frank W. Schwinn, Chicago, Ill.
Application November 19, 1943, Serial No. 510,875
6 Claims. (Cl. 224—29)



1. In a bicycle carrier the combination of a bicycle frame having a seat post mast tube provided with an open socket at its lower end, a bracket member adapted to be fixedly secured to an automobile bumper, said bracket having a stud adapted to fit in said socket, and clamping means for securing the stud in the socket.

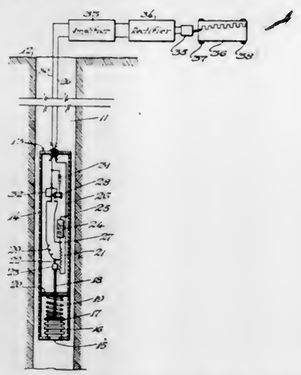
2,379,995
DRAIN VALVE
Joe C. Shaw and Earl H. Kidd, Racine, Wis., assignors to Young Radiator Company, a corporation of Wisconsin
Application October 25, 1943, Serial No. 507,544
4 Claims. (Cl. 137—34)

1. A drain valve mechanism comprising a housing formed of two separable interfitting parts one of which is equipped for attachment to the drain opening of a fluid container and the other of which has a valve seat formed therein, a perforated valve-supporting plate secured in said one housing part, a valve slidably mounted on said supporting-plate and adapted to cooperate with said valve seat for controlling the flow of fluid through said housing, a spring interposed between said valve and said suporting-valve for seating said valve, a valve-shifting pin supported on said other housing part in contact with said valve and shiftable axially and laterally of said housing between positions to effect the seating



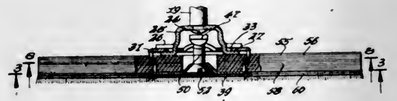
and unseating of said valve, a pin-supporting plate fixed in said other housing member and having a keyhole slot therein for receiving said pin, and shoulders on said pin adapted to co-act with said plate for retaining said pin in either of its positions.

2,379,996
TRANSMITTING SYSTEM
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 29, 1942, Serial No. 441,046
2 Claims. (Cl. 177—351)



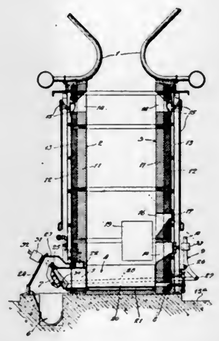
2. Apparatus for transmitting through a transmission medium between a point in a well and the surface of the earth information in regard to measurements made by measuring apparatus in said well, including a generator of a first pulsating electric signal, the amplitude of which may vary from time to time, means actuated by said measuring apparatus and acting on the output of said generator to produce a second set of signals the magnitude of which relative to that of said first set of signals varies in accordance with said measurements, means in the vicinity of said measuring apparatus and said generator in said well for automatically and repeatedly applying said set of signals and said second set of signals alternately to the transmitting end of said medium, said applying means being characterized by freedom of control from the surface, means at the surface for receiving said signals at the receiving end of said medium, and means responsive to said receiving means for continuously producing separate indicia proportional respectively to said first set of signals and to said second set of signals, whereby the indicia proportional to said first set of signals can be used to correct the amplitude of the indicia proportional to said second set of signals to correct for the changes in magnitude of said generated first set of signals and for changes in the transmitting characteristics of said medium.

2,379,997
POLISHER
Gustave J. Soderberg, Babylon, N. Y.
Application June 27, 1944, Serial No. 542,366
4 Claims. (Cl. 15—97)



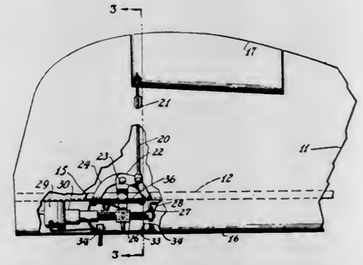
3. A portable apparatus for polishing and the like, said apparatus comprising an electric motor, a motor shaft carried by said motor and having a projecting end, a polishing disc having a central opening and an outer annular nappy polishing surface, and removable means having parts extending through said central opening, said removable means connecting said polishing disc to the projecting end of said motor shaft and having nappy polishing surfaces extending substantially flush with said annular nappy surface to cover said central opening.

2,379,998
ASH STORAGE AND CONVEYING APPARATUS
Frederick L. Stokoe, Chicago, Ill.
Application November 2, 1942, Serial No. 464,310
7 Claims. (Cl. 110—171)



1. An ash storage and conveying apparatus comprising a substantially horizontal floor, a hopper having front and rear walls and an elongated bottom of substantially greater length than width extending longitudinally of and between said walls, on which bottom the ashes fall, said front wall having a plurality of longitudinally spaced discharge openings therethrough, adjacent the bottom of the hopper, said bottom having a plurality of transversely extending channels therein extending substantially across said bottom leading to said openings, respectively, operable closure means for each opening, means for maintaining cooling fluid closely adjacent the walls of said channels and preventing the cooling fluid from entering the hopper, means for injecting fluid into said hopper above said floor into and along said channels in the direction of the openings to cause it to flow substantially the length of said channels to eject the deposit of ashes through said openings, a sluice channel into which the ashes are ejected through said opening, and a housing for each closure providing an enclosed passage from the opening to said sluice channel, said housing being provided with an opening having a second openable closure affording access to said first closure.

2,379,999
CONTROL OPERATING MECHANISM
Walter Tydon, Kenmore, and Winfield J. Augustine, Hempstead, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application January 31, 1941, Serial No. 376,748
4 Claims. (Cl. 244—87)

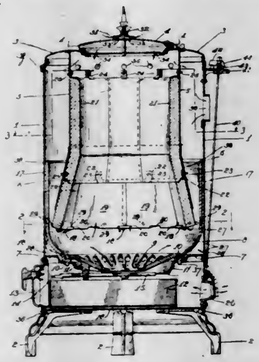


1. In aircraft controls, in combination, a fixed airfoil, a manually controllable airfoil hinged to the trailing edge thereof about a normally horizontal axis rearwardly spaced from but relatively close to the leading edge of the controllable airfoil, a trim tab hinged to the rear edge of the controllable airfoil, an electric motor in the leading edge of the controllable airfoil ahead of said hinge axis so that the motor assists in statically balancing the controllable airfoil, a mechanical transmission connecting the motor and trim tab to translate motor operation into tab movement with respect to the controllable airfoil, and a selectively operable electric circuit for energizing said motor.

2,380,000
MAGAZINE FEED SOLID FUEL HEATER
Arthur K. Walton and Cecil E. Chesser, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application August 11, 1943, Serial No. 498,158
1 Claim. (Cl. 126—73)

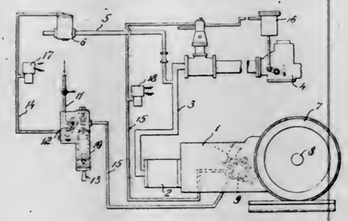
In a heater, an outer casing, a fire bowl supported therein, and a fuel magazine including an outer metallic shell disposed in spaced relation to said casing and extending downwardly into said fire bowl, a refractory lining in said shell, said fire bowl having a series of inwardly projecting lugs upon which said refractory lining is supported, the portions of said fire bowl wall between adjacent lugs being spaced from the outer surfaces of said lining substantially at the combustion zone, said refractory lining being composed of segmental tiles placed row upon row with the lowest row of tiles having their upper edges rabbeted and disposed with high portions of said rabbeted edges adjacent said metallic shell, and clips secured to said shell and formed to overhang said high portions of the tile edges, a succeeding row of tiles resting on the upper

edges of the lower row, the lower edges of said second row being rabbeted to interlap with the



edges of the first row for making close joint connection therewith at the inner face of said lining.

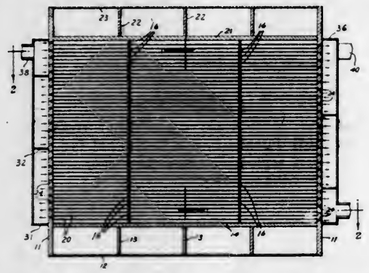
2,380,001
LOCOMOTIVE BOOSTER RECORDER
Fay D. Welden, Tuckahoe, N. Y., assignor to Valve Pilot Corporation, New York, N. Y., a corporation of New York
Application January 12, 1944, Serial No. 517,955
4 Claims. (Cl. 105—48)



3. In a locomotive equipped with a booster, a main steam line supplying steam to the booster for running it, a throttle valve in the main steam line, an auxiliary steam line supplying steam to the booster for idling it, a throttle valve in the auxiliary steam line and pneumatic means for selectively opening each throttle valve, the improvement which comprises means for recording the operation of the booster on a movable tape including a stylus that marks the tape, electromagnetic means for moving the stylus to make distinctive marks on the tape, and means operated upon actuation of the pneumatic valve-control means to open the throttle valve in the main steam line, and upon actuation of the throttle valve in the auxiliary steam line, for energizing the electromagnetic means to cause the stylus to make a record of the periods during which steam is supplied to the booster through the main and auxiliary steam lines, respectively.

2,380,092
METHOD OF MAKING HEAT EXCHANGERS
Arthur Vivian Wetherby-Williams, New York, N. Y., assignor to Walker-Wallace, Incorporated, Buffalo, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,801
2 Claims. (Cl. 113—118)

1. The method of making heat exchangers comprising welding together five plates to form an open-topped rectangular box, placing a flow-controlling grid on the bottom of the box, placing a thin metal plate on top of the grid and welding its periphery to the inner side of the walls of the box to form a fluid-tight compartment therebe-

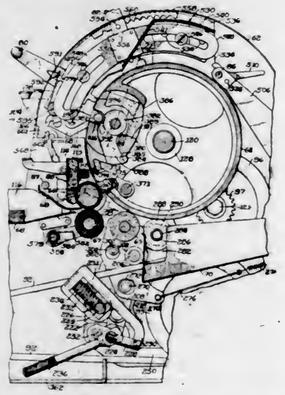


low, repeating the procedure of placing a thin metal plate on tops of grids and welding them to the inner side of the walls of the box to form a fluid-tight compartment therebelow until the box is filled and welding on a top.

2,380,003
TEXTILE PRODUCT
William Whitehead, Rye, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 2, 1941, Serial No. 386,449
3 Claims. (Cl. 8—131)

1. Process for the production of a compact bonded yarn, which comprises associating strong yarns of stretched, saponified organic esters of cellulose with thermoplastic yarns having a basis of cellulose acetate to form a composite yarn, and then subjecting said composite yarn to the action of vapors of a softening agent for said thermoplastic material.

2,380,004
DUPLICATING APPARATUS
Eli Wilderson, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application September 8, 1941, Serial No. 409,943
46 Claims. (Cl. 101—132.5)



1. A method of collectively printing a plurality of selected lines of a master sheet on a copy sheet by means of a device for printing only a single line of the master sheet which comprises the steps of positioning the master sheet between successive printing operations with respect to the line printing device so that a different selected line will be printed each time, feeding a copy sheet to said device a plurality of times, and advancing the position of the copy sheet with respect to the line to be printed during each succeeding feeding step.

12. A duplicating machine comprising a drum having a shaft, a pressure roller for cooperation therewith, and means to maintain and to release the pressure between said pressure roller and said drum during the duplicating operation, said means comprising a cam associated with said drum, a cooperating follower associated with said pressure roller, and supporting means for maintaining said pressure roller and said follower in predetermined positions wherein they bear against said drum and said cam respectively to introduce a predetermined stress between said drum shaft and said supporting means and their associated parts during a portion of the drum's revolution, said pressure roller and said follower being rockingly mounted about said supporting means as a common center so as to cause the stress between the parts to be released when said follower drops off said cam.

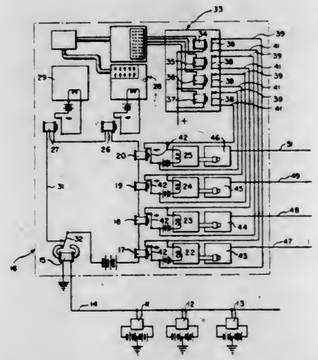
2,380,005
REVOLVING SHELVING FOR REFRIGERATORS AND THE LIKE
William E. Wilson, Los Angeles, Calif.
Application May 18, 1944, Serial No. 536,189
3 Claims. (Cl. 312—183)

1. A cabinet of the character described, comprising a casing having upper and lower sockets, a series of sector-shaped shelf sections having sector-shaped shaft sections at their inner ends forming a shaft rotatably mounted in said sockets.

2,380,006
METHOD OF PREPARING SULPHANILYL GUANIDINE
Philip S. Winnek, Riverside, and Herman E. Faith, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 10, 1942, Serial No. 430,246
6 Claims. (Cl. 260—397.7)

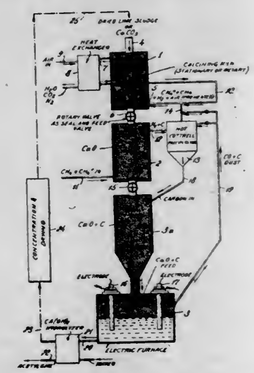
2. The process which comprises fusing a metal salt of an acylsulphanilyl cyanamide with a compound which liberates ammonia at a temperature below the decomposition point of the reaction product to give an acylsulphanilyl guanidine, and hydrolyzing to give sulfanilyl guanidine.

2,380,007
TELEGRAPH SWITCHING SYSTEM
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 3, 1943, Serial No. 477,800
6 Claims. (Cl. 178—2)



1. In a telegraph system, a multiple contact controller responsive to code signals over an incoming line, a series of selector relays, means responsive to divers operations of said contact controller for selectively operating one of said selector relays, a group of retransmission circuits, and a control apparatus associated with each of said selector relays for establishing communication between said incoming line and different combinations of said retransmission circuits, whereby upon the operation of one of said selector relays communication will be established with a predetermined combination of said retransmission circuits.

2,380,008
PROCESS FOR IMPREGNATION OF LIME WITH CARBON
Armand J. Abrams and Louis B. Cook, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1941, Serial No. 419,238
16 Claims. (Cl. 23—208)



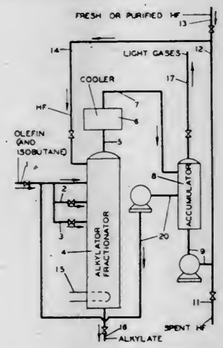
6. The process of manufacturing calcium carbide which comprises passing a moving bed of crushed calcium oxide through a pyrolyzing zone, introducing a methane-predominating gas into

said zone while maintaining the zone at a temperature between about 850° and about 1150° C. by heating same without introducing extraneous gases thereinto, pyrolyzing said methane-predominating gas in said zone whereby the calcium oxide is transformed into non-dusting calcium oxide-carbon complexes which are substantially harder than calcium oxide, and which are of suitable proportions for manufacturing calcium carbide by heating, passing said complexes in heated condition substantially directly into a carbide-forming zone, passing said complexes through said carbide-forming zone in the form of a moving bed while heating the complexes to a carbide-forming temperature above about 1700° C. but below the melting points of the complexes and calcium carbide so that the calcium oxide-carbon complexes are converted in the solid state to calcium carbide.

2,380,009
INTERPOLYMERS OF ASYMMETRICAL DICHLOROETHYLENE
Harold Wilfred Arnold, Marshallton, and George Lowrance Dorough, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 31, 1940, Serial No. 349,000
8 Claims. (Cl. 260—66)

1. A copolymer of asymmetrical dichloroethylene with a polymerizable ketone which has a single aliphatic unsaturated group and in which the carbonyl group is attached to a carbon atom in turn attached by an ethylenic double bond to a methylene (CH_2) group, the other valence of the carbonyl group being satisfied by a monovalent hydrocarbon radical, said copolymer containing 40–95% of dichloroethylene.

2,380,010
HYDROCARBON CONVERSION
Philip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 4, 1942, Serial No. 467,870
4 Claims. (Cl. 260—683.4)

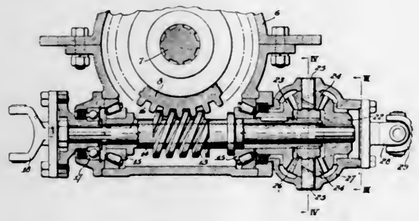


1. The process of alkylating isobutane with low-boiling aliphatic olefins employing liquid anhydrous hydrogen fluoride as the alkylation catalyst which comprises continuously feeding a stream comprising the olefin into the upper portion of a fractionating column equipped with a reboiler, introducing said stream at a plurality of vertically spaced points in the upper portion of said column, including in said stream isobutane in amount just sufficient to replace that consumed in the alkylation reaction, maintaining an excess of isobutane over olefin throughout the column, individually adjusting the amount of said olefin fed into the upper portion of said column at each of said vertically spaced points in such manner as to maintain an excess of isobutane over olefin throughout the column, simultaneously fractionating the mixture and effecting catalytic alkylation of the isoparaffin with the olefin in said column, reboiling the mixture approaching the bottom of said column and thereby effecting separation of isobutane, olefin and hydrogen fluoride from the alkylate, continuously withdrawing from the bottom of said column a heavy fraction consisting essentially of alkylate, continuously withdrawing from the top of said column an overhead fraction consisting essentially of isobutane and hydrogen fluoride, condensing said overhead, effecting separation of the condensate into a liquid hydrocarbon phase comprising chiefly isobutane and a hydrogen fluoride phase, returning all of said liquid hydrocarbon phase to the top of said column as reflux therefor, and returning at least a part of said hydrogen fluoride phase to said column to furnish catalyst for said alkylation.

2,380,011
GERMICIDAL PREPARATIONS
Zelma Baker and Benjamin F. Miller, Chicago, Ill.
No Drawing. Application March 12, 1941, Serial No. 382,933
8 Claims. (Cl. 167—82)

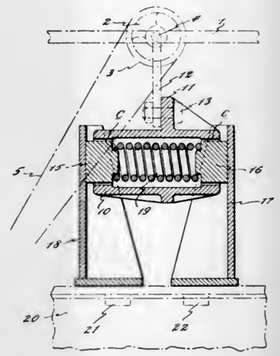
8. Composition of matter for the oral cavity comprising a secondary alkyl sulphate containing from 8 to 21 carbon atoms in the molecular structure as an active germicidal agent and a carrier base therefor selected from the class consisting of tooth powder, tooth paste and chewing gum.

2,380,012
DRIVE FOR VEHICLES
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application March 19, 1942, Serial No. 435,303
3 Claims. (Cl. 74—311)



1. A differential drive comprising a pair of relatively rotatable concentric shafts with the inner shaft projecting from both ends of the outer one, a bearing supporting one end of the inner shaft, external bearings for both ends of the outer shaft, said outer shaft having an extension projecting from one of said external bearings, one end of the inner shaft projecting from said extension, a pair of bevel gears facing each other and having driving connection with the outer shaft extension and the adjacent projecting end of the inner shaft, a spider rotatably supported by said extension of the outer shaft between said gears, a plurality of bevel pinions rotatably mounted on the spider and meshing with said gears, a rotatable housing surrounding said gears with one end of the housing supported by said outer shaft extension, the central portion of said housing being rigidly mounted on the spider by which the housing also is supported, the opposite end of said housing rotatably supporting said adjacent projecting end of the inner shaft, a shaft connected to said housing, the outer shaft and one of the other two shafts being adapted to be connected to driven means, and means for operatively connecting the remaining shaft to driving means.

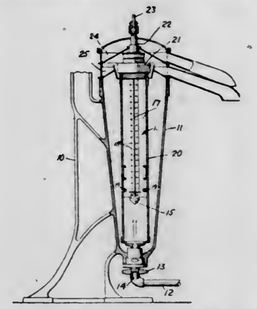
2,380,013
VIBRATION DAMPER
William F. Bankauf, East Paterson, N. J., assignor to Robins Conveyors Incorporated, Passaic, N. J., a corporation of New Jersey
Application September 29, 1943, Serial No. 504,243
1 Claim. (Cl. 188—1)



In a device of the character described, a body for attachment to a continuously vibrating member having means for vibrating the member at a predetermined amplitude, means located in said body and spaced therefrom, means cooperating with said last means to form a damping means engaging the body when the amplitude of vibration increases beyond the said predetermined amplitude, said first means spaced a sufficient distance so that the body only engages the damping means to limit the vibration when the vibration increases beyond the predetermined amplitude as when the vibrating member passes through a critical point in speeding up or slowing down.

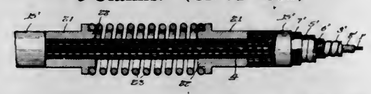
2,380,014
CENTRIFUGAL SEPARATOR
Wilmer H. Bath, West Conshohocken, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 6, 1943, Serial No. 493,651
3 Claims. (Cl. 233—28)

1. In a centrifugal separator, the combination comprising a centrifugal rotor, means for injecting liquid into the rotor, a deflector member in the path of the injected liquid, a longitudinally extending accelerator extending beyond said deflector in the direction of flow of liquid through said rotor, said accelerator comprising a plurality of wings, an extension from said deflector member interconnecting the same with said accelerator, and a laterally extending enlargement on a portion of said extension secured within a corresponding laterally extending recessed portion of said accelerator member, said accelerator



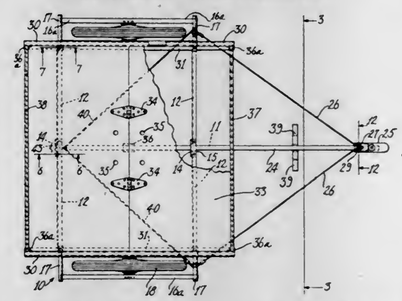
wings being secured together in their central portions and thereby clamping said enlargement therebetween.

2,380,015
HEAVY-DUTY CONTROL CABLE
Ernest W. Batterson and Eugene A. Midling, Kalamazoo, Mich., assignors to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan
Application July 17, 1943, Serial No. 495,402
9 Claims. (Cl. 74—501)



1. A control, comprising a motion transmitting inner member, a helically coiled primary outer casing member receiving said motion transmitting inner member for sliding motion transmitting movement therein, a sectional helically coiled secondary outer member receiving said primary outer member, and spring means about a portion of said primary outer member arranged between and engaging the adjacent ends of the sections of said secondary outer member normally applying outwardly directed pressure thereto.

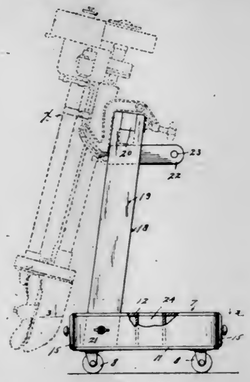
2,380,016
COLLAPSIBLE VEHICLE
Theodore R. Black, Tipp City, Ohio
Application December 4, 1942, Serial No. 467,886
24 Claims. (Cl. 280—33.4)



1. In a collapsible vehicle, a rigid longitudinal intermediate frame constituting a propelling element, separate wheel units spaced laterally from the respective sides of said intermediate frame and constituting the sole support therefor, laterally extending connecting members on the re-

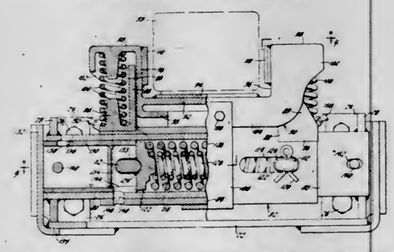
spective sides of said intermediate frame, having at their inner ends pivotal supporting connection with said frame and having their outer ends pivotally connected with and supported by the respective wheel units, said pivotal connections being on substantially vertical axes to permit said wheel units to move longitudinally of and toward said intermediate frame to collapsed positions, and means for retaining said wheel units in fixed spaced relation to said frame while said vehicle is being propelled by said frame.

2,380,017
PORTABLE OUTBOARD MOTOR STAND
Meyer Blicker, Minneapolis, Minn., assignor of one-half to Harold Schien, Minneapolis, Minn.
Application December 8, 1943, Serial No. 513,656
6 Claims. (Cl. 312—146)



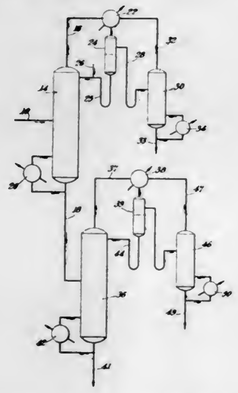
1. An outboard motor stand comprising a truck body having front and rear pairs of wheels, and an upstanding frame attached to the truck body substantially directly over one pair of said wheels and inclined toward the other pair of said wheels including a transverse member on which an outboard motor may be clamped and supported therefrom in its usual position.

2,380,018
COUPLER SUPPORTING AND CENTERING DEVICE
Martin P. Blomberg, Hinsdale, and John M. Smidl, Cicero, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1944, Serial No. 531,328
18 Claims. (Cl. 213—61)



1. In a coupler supporting and centering device, the combination of a carrier member, a saddle slidably and rotatably mounted on said carrier member, and means connecting said saddle to said carrier member to normally prevent rotative movement relative thereto, said means being removable to allow said saddle and support member to be swung downwardly about said carrier member to permit withdrawal of the coupler.

2,380,019
AZEOTROPIC DISTILLATION
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application February 9, 1942, Serial No. 430,147
14 Claims. (Cl. 202—42)



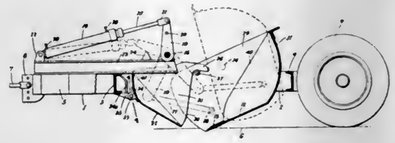
1. The process of recovering a concentrated vinyl benzene hydrocarbon fraction from a mixture thereof primarily with close boiling saturated benzene hydrocarbons having at least one saturated side chain, which comprises subjecting such mixture to azeotropic distillation in the presence of an azeotrope-forming agent selected from the group consisting of the lower fatty acids having from two to four carbon atoms, removing as the overhead from such distillation a binary azeotrope primarily of saturated side chain benzene hydrocarbons and the lower fatty acid, and removing the concentrated vinyl benzene hydrocarbon fraction as the bottoms stream from such distillation.

2,380,020
AQUEOUS DISPERSIONS OF HARDENED OR TANNED PROTEIN SALTS
George H. Brother, Berkeley, Calif., and Allan K. Smith, Peoria, Ill.
No Drawing. Application March 20, 1943, Serial No. 479,902
4 Claims. (Cl. 106—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A stable aqueous dispersion of hardened protein salts comprising about 9 percent partially hydrolyzed protein salt and about 4 percent excess formaldehyde.

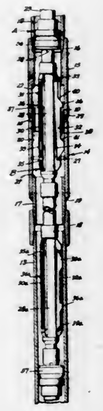
2,380,021
SCRAPER
Anthony J. Brown and Joseph B. Silva, Turlock, Calif.
Application April 21, 1943, Serial No. 483,890
5 Claims. (Cl. 37—129)

5. In a scraper, a frame supported from the ground, a main forwardly opening bowl pivotally suspended from the frame for swinging movement between carrying, digging and dumping positions, said main bowl being pivoted so that its forwardly opening end moves downward as said bowl is tilted from carrying to digging position, a front rearwardly opening bowl pivotally suspended from the frame ahead of the main bowl, said front bowl being pivoted ahead of its open rear end so that such end tends to swing downward about said pivot, means to control rotative movement of the main bowl, the main



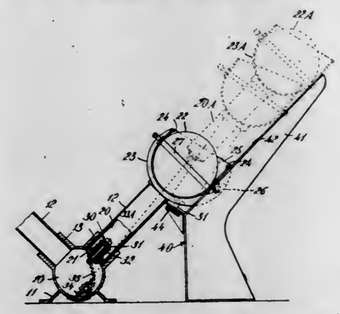
and front bowls being disposed to cooperate in closing relationship when the main bowl is in carrying position, and disengageable means between the bowls to control the movement of the front bowl with movement of the main bowl between digging and carrying positions and disengaging the front bowl upon movement of the main bowl between carrying and dumping positions.

2,380,022
FLOW CONTROL APPARATUS
Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application June 23, 1941, Serial No. 399,292
20 Claims. (Cl. 166—1)



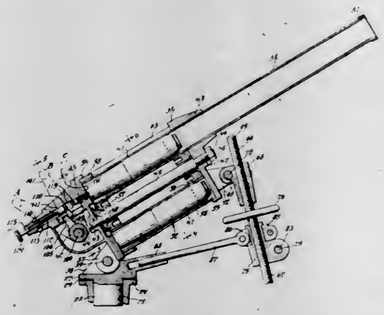
1. An apparatus including a ported conduit adapted to be positioned in a well bore, valve means for controlling the flow of fluids through the port of said conduit, a device comprising instrumentalities movable laterally of said conduit to engage said valve means for shifting it with respect to said port upon movement of said device in one direction within said conduit, and means fixed with respect to said conduit and engageable with said instrumentalities upon continuation of the movement of said device in said one direction for moving said instrumentalities laterally of said conduit to disengage said instrumentalities from said valve means.

2,380,023
DEPTH CHARGE PROJECTOR
Cecil P. Caulkins, New London, Conn.
Application November 26, 1941, Serial No. 420,471
5 Claims. (Cl. 89—1)



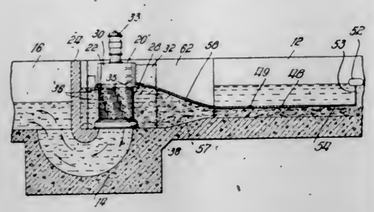
1. A depth charge projector comprising an open muzzled gun barrel, a support therefor, an arbor having a diameter corresponding to the caliber of the gun barrel adapted to be inserted in the gun barrel, said arbor having an enlarged head on its outer end arranged to receive and support a depth charge, guides for said head outside of and parallel with the gun barrel combined with means for arresting the movement of the arbor connected with the head and with the support for the gun barrel.

2,380,024
ROCKET GUN
Edward F. Chandler, Brooklyn, N. Y.
Application August 15, 1941, Serial No. 406,944
1 Claim. (Cl. 89—13)



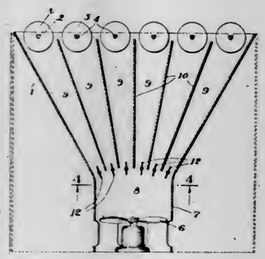
In combination with a gun provided with a rotatable magazine having a plurality of tubular shell-supporting elements and a gun barrel, a spring-pressed hammer, a firing pin, and means for intermittently rotating the magazine to successively position the shell-supporting elements in alignment with the barrel, fire-control means comprising a manually-movable rock-shaft, a plurality of fingers carried thereby, hammer-cocking means connected with one of said fingers during rearward movement of the shaft, magazine-locking means actuated by another of said fingers during forward movement thereof, hammer-releasing means actuated by a third finger when the shaft has reached its maximum forward position, and magazine-rotating means associated with a fourth finger for actuation during return movement of the shaft.

2,380,025
SEWAGE TREATMENT SYSTEM
Corson W. Chase, Chicago, Ill., assignor to Chicago Pump Company, a corporation of Illinois
Application June 22, 1942, Serial No. 447,936
11 Claims. (Cl. 210—152)



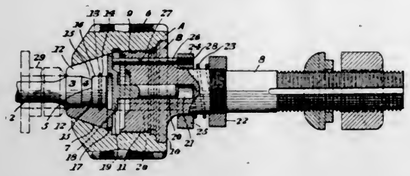
1. The method of comminuting grit-containing solids carried by a flowing liquid stream in the lower portion thereof along with the major amount of the grit or other abrasive material in the stream comprising splitting the stream into an upper, substantially grit-free liquid portion and into the said grit-containing solids portion, conducting the upper portion to a region adjacent the cutting zone of a comminuting device and flowing said upper portion from said region through a screen, conducting the lower portion to a region remote from said cutting zone, filtering said portion through said screen to separate the grit-containing solids therefrom, carrying the said solids into said first-mentioned region and washing them in said grit-free liquid portion to separate grit from said solids, carrying said substantially grit-free solids to said cutting zone and comminuting them, and passing said comminuted solids through said screen for disposal.

2,380,026
COOLING DEVICE FOR METAL RECTIFIERS
Carole A. Clarke, Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 6, 1943, Serial No. 497,619
5 Claims. (Cl. 175—366)



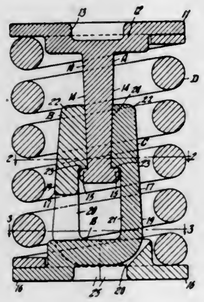
1. A cooling apparatus for multiple rectifier stack assemblies and the like comprising a cooling unit having a casing providing support for the rectifier stacks to extend transversely thereof and formed with a cylindrical base intake conduit portion, a distributing chamber thereabove and air passages from the distributing chamber individual to each of the rectifier stacks, said air passages having progressively increased cross-sectional area from their intake to their discharge openings and a blower positioned in the intake conduit portion.

2,380,027
DEVICE FOR HOLDING TENSION TEST BARS
John C. Crocker, Oakmont, Pa.
Application September 3, 1943, Serial No. 501,122
7 Claims. (Cl. 24—263)



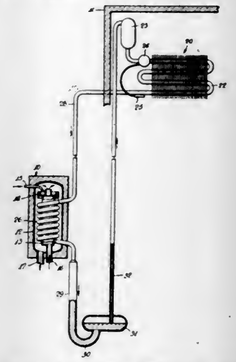
1. A device for holding tension test bars comprising a head having a cavity therein, which cavity is tapered from smaller to larger cross section from its mouth inwardly, bar holding means in said cavity, said bar holding means comprising cooperating gripping members adapted to engage and grip the bar, said gripping members having at their inner faces means for interengaging with the bar and being externally tapered from smaller to larger cross section in the direction from the mouth of the cavity inwardly whereby pull on the bar results in tightening of the holding means thereon spring means disposed externally of the head for urging the gripping means toward the mouth of the cavity in the head, means mounted on the device against which said spring means bears in one direction and means entering the head and disposed in bearing relationship with respect to the gripping means against which said spring means bears in the opposite direction.

2,380,028
FRICTION SHOCK ABSORBER
George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 20, 1943, Serial No. 506,944
6 Claims. (Cl. 267—9)



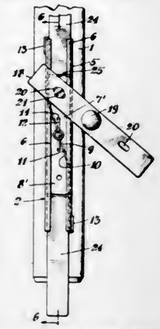
1. In a friction shock absorber, the combination with a tapered friction post; of tiltable friction shoes embracing said post at opposite sides, each shoe having a base portion extending laterally therefrom, said base portion being fulcrumed at its inner end, said shoes and post being slidable lengthwise with respect to each other; and a spring opposing relative movement of the shoes and post toward each other, said spring bearing on said base portions of the shoes to resist tilting movement of the same.

2,380,029
REFRIGERATION
John Davidson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 5, 1940, Serial No. 343,941
1 Claim. (Cl. 62—125)



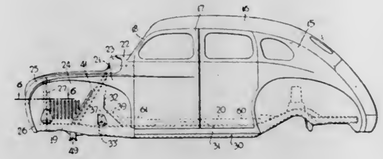
A closed heat transfer system devoid of any moving part requiring a lubricant miscible with liquid in the system, flow of the liquid being promoted by a bubble type gas lift, and the liquid containing a minor percentage of oil which increases viscosity and, therefore, frothing and bubbling of the liquid during action of the lift to increase the efficiency of such action.

2,380,030
SLIDE-LOCK DEVICE
Erastus C. Deal, Wilkes-Barre, Pa., assignor to Deal Slide-Lock Devices, Inc., Bronx, N. Y., a corporation of New York
Application March 18, 1942, Serial No. 435,246
18 Claims. (Cl. 45—139)



7. In a device of the class described, the combination of means forming a guideway, a member mounted to move along said guideway, a pair of wedge members slidable in said guideway and operatively connected to said first mentioned member by means permitting a limited longitudinal movement and having abutting wedge surfaces, a flexible strip of material extending between the wedge surfaces of the wedge members and secured to the guideway at points beyond the wedge surfaces to permit longitudinal adjustment of the wedge members, and means operatively connected to the wedge members permitting said wedge members to draw apart from each other slightly for adjustment of said first member when one of the two wedge members is moved away from the other.

2,380,031
VEHICLE STRUCTURE, ESPECIALLY VEHICLE FRONT END STRUCTURE
Edward J. Deisley, Theodore Ulrich, and Alexander R. Lindsay, Detroit, Mich., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 2, 1940, Serial No. 349,704
7 Claims. (Cl. 296—28)



1. In a vehicle body having side walls extended beyond and integrally connected with one of its end walls; a pair of members in the form of elongated webs arranged substantially in a transverse plane inclined upwardly and toward the upper part of the end wall; each of said members having one of its margins conforming and fastened substantially throughout to one of the extended side walls; the upper ends of said members being wider than the lower ends in said transverse plane and being fastened substantially throughout their width to said end wall yet leaving a wide open space between their juxtaposed margins; said members, extended side walls and said end wall mutually interbracing each other in longitudinal and transverse direction and being adapted for the transmission of stresses in the direction of said plane without substantially decreasing the space between said extended side walls.

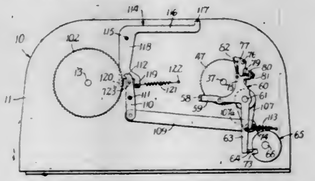
2,380,032
PROCESSES OF COLOR PHOTOGRAPHY
George Lowrance Dorough, Niagara Falls, N. Y., and David Malcolm McQueen, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 24, 1942, Serial No. 436,056
20 Claims. (Cl. 95—6)

1. A photographic element bearing a water-permeable colloid layer containing a light-sensitive material and a polyvinyl acetal capable of reacting with a diazo compound to form an azo dye.

2,380,033
PHOTOGRAPHIC ELEMENTS CONTAINING POLYVINYL ACETAL COLOR FORMERS
George Lowrance Dorough, Niagara Falls, N. Y., and David Malcolm McQueen, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 24, 1942, Serial No. 436,056. Divided and this application May 17, 1944, Serial No. 536,026. In Canada April 15, 1941
6 Claims. (Cl. 95—6)

1. A silver halide emulsion containing as a color former fast to diffusion an amide of a color former and the acetal obtained by the condensation of polyvinyl alcohol with an aromatic aminoaldehyde.

2,380,034
CAMERA MAGAZINE
Irving W. Doyle, Massapequa, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application October 16, 1942, Serial No. 462,267
16 Claims. (Cl. 242—71)



1. In a camera, in combination, a film supply spool, an exposed film spool adapted to have wound thereon film subsequent to exposure, means for driving the latter spool to wind film thereon after exposure, said means including a clutch, brake means for stopping rotation of the first spool subsequent to the winding operation, means for disengaging said clutch and means operated by said clutch disengaging means for setting said brake means after said clutch is disengaged.

2,380,035
PROCESS FOR THE PRODUCTION OF AROMATIC HYDROCARBONS
Kenneth C. Edson and Frank E. Fisher, Pawhuska, Okla., assignors to Skelly Oil Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application May 28, 1943, Serial No. 488,888
14 Claims. (Cl. 260—673.5)

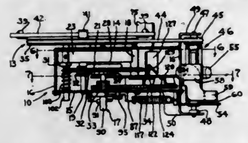
1. A process for the production of aromatic hydrocarbons from aliphatic hydrocarbons which comprises subjecting the aliphatic hydrocarbons at elevated temperatures to a catalyst comprising an oxide selected from the group consisting of vanadium oxide, molybdenum oxide and chromium oxide, in admixture with barium peroxide.

2,380,036
DESICCATION OF CITRUS FRUIT JUICES
Earl W. Flosdorf, Upper Darby, Pa., assignor to Lyophile-Cryochem Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 17, 1943, Serial No. 495,211
5 Claims. (Cl. 99—206)

1. In the desiccation of citrus fruit juices by sublimation of water therefrom from the frozen state, the step of adding to the juice before freezing a small amount of a crystallizable sugar to prevent the desiccated juice from becoming gummy and difficultly soluble in water at temperatures in the range of 100–110° F.

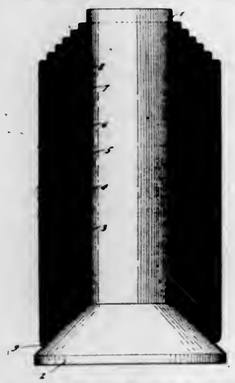
2,380,037
PHONOGRAPH
Ernest W. Franck, Glenbrook, Conn., and Hazard E. Reeves, New York, N. Y.
Application August 25, 1943, Serial No. 499,886
11 Claims. (Cl. 274—14)

1. In a phonograph, a record support, a spring motor for driving said support, a reproducer for cooperation with a record on said support, a support for said reproducer, a cam shaft driven in opposite directions by said motor as the same is wound and unwound, means pivotally mounting said reproducer support for movement of the reproducer back and forth across a record on said record support, a cam on said cam shaft and comprising a plate having a spiral cam slot therein, an arm fixed to said reproducer support and entering said cam slot whereby the reproducer is



moved from the end to the beginning of a record on said record support as said motor is wound, and cam means at the inner end of said cam slot and operable to engage said arm and move the reproducer away from the record at the end of the playing thereof.

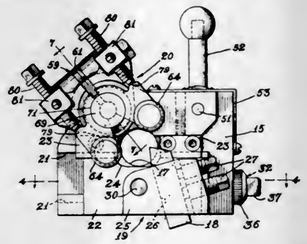
2,380,038
TAPERED END STRAND MASS
John H. Garrott, Bloomfield, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application February 10, 1942, Serial No. 430,223
5 Claims. (Cl. 242—161)



1. An article of manufacture comprising a mass of yarn or the like wound on a bobbin, said bobbin having an arbor portion and a tapered base; said mass having a stepped end formation at the end of the bobbin and receding toward the base, said formation comprising a plurality of layers of yarn of substantially equal length, each of substantial radial thickness, and the starting point of each layer following the first being substantially spaced lengthwise of the bobbin from the starting point of the preceding layer, the first layer terminating, adjacent the tapered end of the bobbin, in a surface substantially perpendicular to the axis of the arbor, which surface forms with the surface of the tapered base an annular recess; the second layer extending into and occupying said recess and itself forming with the adjacent surface of the tapered base an annular recess; and so on with each successive layer.

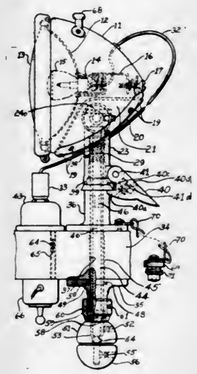
2,380,039
TURNING TOOL
Victor W. Gideon, Chicago, Ill., assignor to Boyar-Schultz Corporation, Chicago, Ill., a corporation of Illinois
Application October 12, 1942, Serial No. 461,673
7 Claims. (Cl. 82—35)

1. In a turning tool of the character described, the combination of a body having a recess adapted to receive a rotary workpiece, a tool slide adapted to support a turning tool in position to project into said recess for cutting engagement with the workpiece and being supported on said body for adjustment transversely of said recess, an adjusting screw journaled in said body for rotation and for axial movement in a path parallel that of said slide, a nut rigid with said slide and threaded on



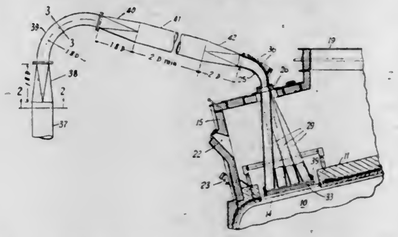
said screw, whereby said slide is adjustable by the movement of said nut along said screw incident to rotation of the latter, and means including an operating lever pivoted on said body for movement between alternate limit positions for shifting said screw and the slide connected thereto bodily as a unit between corresponding alternate limit positions of axial displacement of said screw.

2,380,040
SPOT LAMP
George E. Gravenstine, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 19, 1942, Serial No. 431,543
3 Claims. (Cl. 240—61.13)



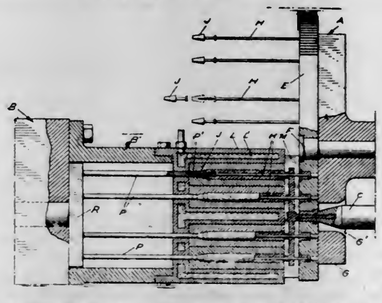
2. In a vehicle having a housing wall portion provided with an opening, outer and inner bearing parts secured to the outer and inner surfaces respectively of the wall portion, a sleeve rotatably carried by the bearing parts, a rod rotatable in the sleeve, said rod and said sleeve projecting inwardly beyond the inner bearing part and terminating within the outer bearing part to be protected thereby, individual control members for operating the rod and the sleeve from within the vehicle, a lamp housing, a rotatable mounting member on which the housing is pivotally supported, mechanism in said mounting member for pivotally moving the housing with respect to the mounting member, a readily attachable and detachable clutch connection between the mounting member and the sleeve, a readily attachable and detachable clutch connection between said mechanism and said rod, and manually releasable latch means for normally retaining said mounting member in operative relation upon said bearing part and providing manual release for complete separation of said parts.

2,380,041
FUEL BURNING APPARATUS
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 30, 1941, Serial No. 412,921
15 Claims. (Cl. 110—104)



2. In a furnace having a burner port in one of the walls thereof, and a row of spaced horizontally arranged fluid heating tubes extending across said burner port, fuel burning apparatus comprising a conduit for conveying a stream of pulverized fuel and air and terminating in a section of elongated cross-section, means for dividing the fuel stream into a series of small streams arranged side-by-side in a single row, and a series of burner tip members arranged to receive corresponding fuel streams, said burner tip members being arranged in groups with the burner tip members of each group having their discharge ends in alignment longitudinally of corresponding subjacent burner port tubes and the discharge ends of at least some of said burner tip members being arranged at opposite sides of said stream dividing means.

2,380,042
APPARATUS FOR FORMING PLASTIC OBJECTS
Paul S. Hauton, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application December 30, 1941, Serial No. 424,868
9 Claims. (Cl. 18—30)



7. Apparatus for producing injection molded plastic articles such as pencil barrels, comprising a rectilinearly reciprocating mold carrying platen, a second platen and a registering plate backed by said second platen, a sectional mold comprising

a main mold section and a complementary mold section, said main mold section comprising a group of laterally positioned hollow dies and a superposed die in contact with said hollow dies having mold chambers registering with said hollow dies and a gate passage connecting said mold chambers, said complementary section comprising a plurality of mandrels, one for each hollow die, registrable therewith and with the corresponding mold chambers in said superposed die, said mandrels being undercut in those portions which occupy the mold chambers in said superposed die, said main mold section being mounted on said reciprocating platen and a plurality of said complementary mold sections being mounted on said registering plate, said second platen and registering plate having a forward position in which the registering plate extends into the path of said main mold section adjacent the end of its range of movement in a mold closing direction, and being movable rearwardly of said forward position under pressure of said main mold section, said registering plate being movable also in a plane perpendicular to the direction of movement of said reciprocating platen to bring complementary mold sections successively into registry with the main mold section, an outlet nozzle from a plasticizing chamber positioned back of said registering plate with its mouth in sealed contact with said plate when the latter is pressed back by said main mold section, said registering plate having sprue passages therethrough individual to the complementary mold sections positioned to register with said nozzle and to communicate with the gate passage in said superposed die when the corresponding complementary mold section is in registry with the main mold section, said superposed die being separable in a vertical plane embracing the registering mandrels.

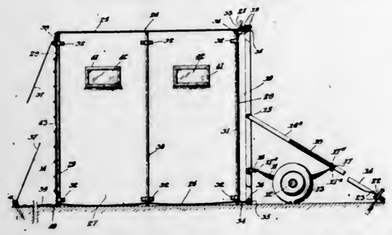
2,380,043
GREASEPROOF AND WATER REPELLENT PAPER
Carroll A. Hochwalt, Rahn Road, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application August 19, 1942, Serial No. 455,348
5 Claims. (Cl. 117—154)

1. A combined grease proof and water repellent paper containing an N-acylated aminobiphenyl where the acyl group is that of fatty acids ranging from C_{12} to C_{28}.

2,380,044
PROCESS FOR PRODUCING ELECTRO-DEPOSITS
Raymond A. Hoffman, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 28, 1940, Serial No. 342,902
5 Claims. (Cl. 204—56)

1. In a process for the production of an electro-deposit, the step comprising electrodepositing an adherent, abrasion-resistant cathode deposit of an oxygen compound of molybdenum at a current density of about from 1 to 15 amperes per square foot from an aqueous acid bath including boric acid, a soluble nickel compound, and a soluble molybdenum compound selected from the group consisting of sodium molybdate, potassium molybdate, ammonium molybdate, and molybdic oxide, the amount of molybdenum present, calculated as metal, being from 7 to 150 grams per liter.

2,380,045
COLLAPSIBLE TRAILER HOUSE
Bertie Hope-Johnson, Jr., Saskatoon, Saskatchewan, Canada
Application May 16, 1944, Serial No. 535,855
2 Claims. (Cl. 296—23)



1. A collapsible trailer house comprising trailer suspension means, an axle connected thereto, wheels mounted on said axle, at least two tubular frames connected to and adapted, when spaced, to support a tent-like fabric covering and form therewith a collapsible house, a trailer frame consisting of two side rails joined by end rails at least at each end pivotally connected at each side to the suspension means to pivot on an axis substantially parallel to that of the wheels, a forked tow bar pivotally connected to each side of the trailer frame, said tow bar being adapted to brace said frame when it has been pivoted into the erected position and having means for preventing pivoting of the tow bar in relation to the frame at least during travel, a longitudinal slot formed in each fork of the tow bar, means connecting the suspension means to said frame at another point in the length of the frame, said connection being an indirect connection to the tow bar and comprising a shackle pin connected to the suspension means and adapted to slide in the slot formed in each fork of the tow bar, the two points of connection of the suspension means straddling the pivotal connection of the tow bar to the frame, and said indirect connection being adapted, on sliding of the shackle pins in the slots, to permit the trailer frame to be pivoted into an upright position to cooperate with said spaced frame members to support the fabric covering, means connecting the collapsible house to the trailer frame for support when erected and means for bracing the end of the collapsible house remote from the trailer frame, said house being collapsible onto said trailer frame to be carried on top of it during travel.

2,380,046
METHOD OF MAKING COFFEE EXTRACT
Richard Huguenin, Stamford, Conn., assignor to Inredeco, Inc., Panama City, Panama, a corporation of Panama
No Drawing. Application May 26, 1943, Serial No. 488,525
9 Claims. (Cl. 99—71)

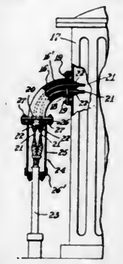
1. A method of making a dry coffee extract, which consists in extracting roasted and ground coffee with water at a maximum temperature of substantially 100° C. to produce a first aqueous extract which contains substantially all the volatile aromatic constituents of said coffee, then making a second aqueous extract of the spent coffee grounds at a temperature above 100° C. while hydrolyzing at least some of the hydrolyzable portion of said grounds at a temperature above 100° C., said extracts being sufficiently dilute so that their mixture contains less than 30% of solids by weight, then concentrating the second aqueous extract until the mixture of the concentrated second extract and of the substantially unconcentrated first extract will have at least substantially 30% of solids by weight, then intermixing said concentrated extract and said substantially unconcentrated first extract at a temperature below 100° C. while retaining said aromatic constituents to form said mixture, and then evaporating the water of said mixture to produce said dry extract.

2,380,047
METHOD OF AND MEANS FOR APPLYING COATINGS
Frank W. Hyman, New York, N. Y.
Application October 3, 1942, Serial No. 460,597
9 Claims. (Cl. 117—45)



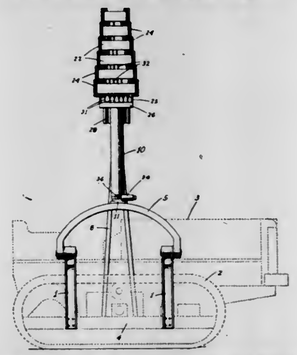
1. The method of building up on a web a coating of uniform continuity and accurately controlled weight comprised of superimposed layers of non-uniform continuity but each of accurately controlled weight, which includes, passing the web over a succession of rolls and pressing the web in rolling contact with successive ones thereof, each of said rolls having minute intagliations therein arranged in a pattern of uniform distribution over its surface and with the intagliations in each roll arranged to overlap only partially the area of registry on the web for a corresponding intagliation in the preceding roll, flowing liquid coating material onto each of said intagliated rolls, and doctoring away the excess material from each roll to leave deposits of substantially uniform volume in the intagliations for transfer from the latter to the web as such web is pressed in rolling contact with the rolls.

2,380,048
POTHEAD
Jacob S. Jammer, Montclair, N. J., assignor to Federal Telephone & Radio Corporation, a corporation of Delaware
Application June 11, 1942, Serial No. 446,559
7 Claims. (Cl. 174—152)



1. A pothead for connecting a vertically extending cable to an electrical device provided with a connection point on a vertical wall thereof, including a hollow cap of substantially cylindrical shape, embracing the sheath of said cable at the lower end of the cap and flanged at the upper end, an elbow flanged at both ends, connecting the upper end of said cap to the connection point on said device, conductors extending through said elbow and connecting to said cable at one end and to said electrical device at the other end, and an insulating material of monomeric styrene filling said elbow and projecting from both ends thereof for a relatively short distance so as to keep said conductors out of contact with one another and with the walls of said elbow, said monomeric styrene being polymerized in situ.

2,380,049
BARK PEELING MACHINE
George B. Jones, Caspar, Calif.
Application October 6, 1942, Serial No. 460,938
12 Claims. (Cl. 144—208)



1. A bark peeling machine comprising a frame adapted to be mounted on a vehicle, an extensible boom unit projecting from the frame laterally of the direction of travel of the vehicle, operator controlled power means operative to extend and contract the boom unit, an operator controlled bark peeling blade assembly mounted on the outer end of the boom unit, for limited rotation about an axis parallel to the axis of the boom unit, and separate operator controlled power means operative to rotate said assembly to adjust the cutting angle of the latter; said assembly being power actuated, under the control of the operator, to engage in conforming relation across a log for bark peeling movement lengthwise thereof upon corresponding movement of the vehicle.

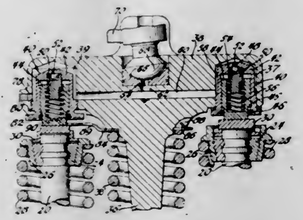
2,380,050
ATTACHABLE SHOE CAP OF PLASTIC MATERIAL
Jack Karp, Brooklyn, N. Y.
Application May 26, 1944, Serial No. 537,431
2 Claims. (Cl. 36—72)



1. An attachable shoe cap consisting of a shield constructed to enclose the toe of a shoe, the side

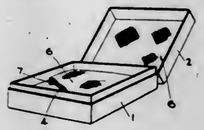
edges of the forward part of the sole and the undersurface of the sole and having a thermo setting film on its inner surface adapted to be cemented directly to the shoe on which the shoe cap is placed.

2,380,051
HYDRAULIC VALVE ADJUSTING MEANS
Eugene W. Kettering, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 22, 1943, Serial No. 484,007
2 Claims. (Cl. 123—90)



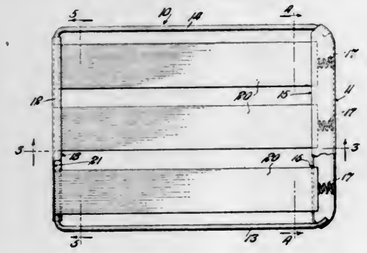
1. In a valve operating mechanism for an internal combustion engine having a plurality of engine valves held seated by spring means, a rocker arm for operating said valves, a valve bridge arranged to be actuated by said arm engaging the bridge at a point between said valves, oil pressure passages in said bridge and a hydraulic lash adjuster unit in said bridge adjacent each valve, each unit comprising a hollow body having a recess and a fluid inlet passage therein communicating with one of said pressure passages in the bridge, an inlet check valve in the recess adjacent the inlet passage, check valve retaining means in said recess, a hollow piston slidable in the body and a spring between said piston and said retaining means, the last mentioned spring being guided by the inner wall of said piston, so that each piston is urged into contact with an adjacent engine valve by the fluid and spring pressure within the valve body, one of said units being firmly secured in the bridge and the other being adjustably secured therein for adjustment relative to the adjacent engine valve.

2,380,052
JEWELRY BOX
Peter B. Koller, Jr., Buffalo, N. Y., assignor to Buffalo Jewelry Case Company, Inc., Buffalo, N. Y.
Application April 8, 1944, Serial No. 530,119
7 Claims. (Cl. 206—75)



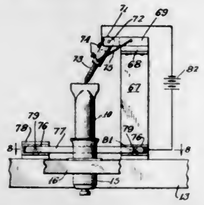
1. A liner for a box compartment of substantially rectangular shape, comprising a stiffener having an intermediate body section shaped to fit the box compartment and having end flaps along two opposite sides folded beneath the intermediate section, a layer of facing material coextensive in length substantially with the combined length of the flaps and the intermediate section and of relatively greater width to form marginal portions extending over the adjoining side edges of the stiffener and adhesively secured to the back face of the latter, said marginal portions serving to hold the adhesively free transverse portions of the layer on the flaps and the latter acting in their folded position to hold the layer in tension across the front of the intermediate section.

2,380,053
REFRIGERATING APPARATUS
Walter A. Kuenzli, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 11, 1944, Serial No. 525,977
7 Claims. (Cl. 211—153)



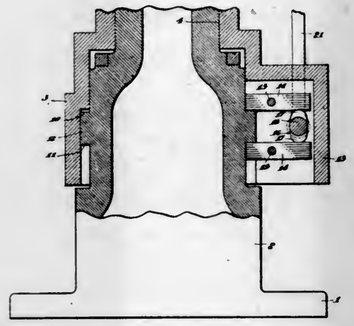
3. A food supporting shelf for domestic refrigerators comprising a frame, said frame including a plurality of spaced recessed end members and a plurality of spaced side members connecting said end members, a plurality of individually removable non-metallic food supporting strips having their ends projecting into the recesses of said end members and being supported by said end members, and means associated with one of said end members arranged to resiliently urge said strips toward another of said end members.

2,380,054
MEANS FOR WELDING
Alfred J. Lautmann, Detroit, Mich., assignor to Iodent Chemical Company, Detroit, Mich., a corporation of Michigan
Application August 27, 1943, Serial No. 500,201
2 Claims. (Cl. 219—4)



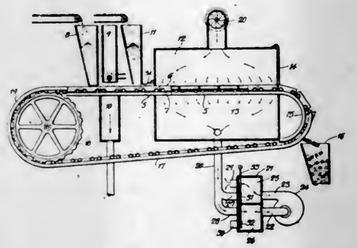
1. In a machine for sealing the collapsed end of a filled metallic tube having a metallic carrier for said tubes, a bracket on said machine, a shoe mounted on and insulated from said bracket connected to one terminal of an electric circuit, an electrode mounted on and insulated from said bracket and connected to the other terminal of said circuit, means to move said carrier into contact with said shoe and carry the collapsed end of the tube into contact with the electrode to close the circuit so as to heat the electrode and melt and interfuse said end along the line of contact with said electrode.

2,380,055
CLAMPING MECHANISM FOR MACHINE TOOLS
Carl E. Linden, Cincinnati, and Raymond H. McClellan, Hamilton, Ohio, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application March 3, 1944, Serial No. 524,926
5 Claims. (Cl. 77—27)



1. In a radial drill having concentric inner and outer circular members, one engaging the other and adapted to be clamped together, a clamping mechanism comprising means on one of said members delineating opposed annular surfaces thereon which extend in a direction lateral to the axis of said members, and means carried by the other of said members comprising jaws pivotally mounted thereon and having surfaces at one side of their pivotal axes respectively for engaging said annular surfaces, means common to said jaws at the opposite side of the pivotal axes thereof for actuating said jaws pivotally whereby they are forced into clamping engagement with said annular surfaces.

2,380,056
HEAT-TREATING PROCESS AND APPARATUS
Thorne E. Lloyd, Bear Pond, N. J., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y., a corporation of Delaware
Application July 18, 1942, Serial No. 451,419
21 Claims. (Cl. 75—5)



1. A method of heat treating material containing metal compounds comprising igniting a bed of fuel and material to be treated at its upper surface, covering the ignited surface of said bed with an upper bed of said material and fuel and thereafter passing air for combustion alternatively downwardly and upwardly through said beds of material while said zone of combustion travels upwardly through said upper bed and downwardly through said underlying bed.

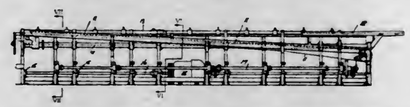
6. Apparatus for heat treating minerals which comprises a traveling grate, a windbox below said grate, a fan, and means to connect said windbox alternatively to the intake and delivery ends of said fan.

2,380,057
DIALKYLATED SILICON ESTERS AND METHOD OF MAKING THEM
Rob Roy McGregor, Swissvale, and Earl Leathen Warrick, Westview, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,285
3 Claims. (Cl. 260—462)

1. Dimethyldiethoxysilicane.

2. The method of making dimethyldiethoxysilicane which comprises reacting a methyl halide with metallic magnesium and ethyl orthosilicate in the absence of solvent, allowing the reaction to continue until a substantial quantity of dimethyldiethoxysilicane is obtained, fractionally distilling the product and recovering dimethyldiethoxysilicane.

2,380,058
NEEDLE SCOURING AND POLISHING MACHINE
William McLucas, Glasgow, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 19, 1944, Serial No. 554,849
In Great Britain September 24, 1943
8 Claims. (Cl. 51—38)

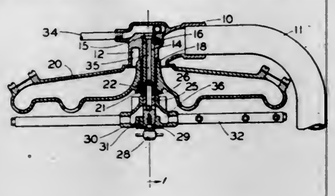


1. A semi-automatic machine for use in scouring and polishing the blades and shanks of sewing machine needles, including a pair of rotary conveyor screws adapted to convey needle-carrying members along the length of the machine, mechanism for intermittently rotating said conveyor screws, brushing heads or stations located at spaced points along the length of the machine, at least one rotary brush located at each station, guide rail means disposed alongside the conveyor screws and adapted to support and guide the needle-carrying members, and clamp means located at each station for clamping the needle-carrying members in position during the scouring or polishing operation.

2,380,059
WASHING MACHINE
David A. Meeker, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application June 11, 1942, Serial No. 446,667
7 Claims. (Cl. 299—70)

1. In a washing machine of the character described, a pair of fluid distributing arms for distributing fluid to and upon the articles to be washed, a stem member, means for mounting said arms adjacent each other for independent rotation with one of the arms being positioned inwardly of the other in the direction in which the fluid is projected, a drive member carried by and rotatable with the outer of said arms, a driven member carried by and rotatable with the

inner of said arms and positioned out of the path of said drive member when the latter is not rotating, and means responsive to the speed of rotation of said outer arm for moving said drive member into an operative position to engage said



driven member, said drive member and said driven member being so related to one another angularly about the axis of rotation that when said members are in engagement said inner member is in predetermined non-interfering position relative to said outer member.

2,380,060
LAMINATED GANGWAY
George H. Messmore, New York, N. Y.
Application January 4, 1944, Serial No. 516,943
5 Claims. (Cl. 14—72)



1. In a gangway, a left superimposed pair of longitudinally extending stringers, a right superimposed pair of longitudinally extending stringers, a plurality of longitudinally spaced transverse beam-like spreaders having their left ends engaging between and supported by said left pair of stringers and their right ends engaging between and supported by said right pair of stringers, longitudinally extending flooring strips mounted upon the top edges of said beam-like spreaders, longitudinally spaced transverse tread strips mounted across said flooring strips, and a left and a right longitudinally extending arch truss mounted upon said left and right stringers, said transverse spreaders being connected with said stringers in repeating groups in which the first and last spreader of each two adjacent groups are the same single spreaders, each of said groups having outer full height side plates extending between said superimposed stringers and located at the end of the first and last spreader of said group, short height side plates in line with said full height plates but adjacent the inner faces of the top stringers, and bolts between each pair of short height and full height side plates.

2,380,061
CYANOMETHYL ESTERS OF DICARBOXYLIC ACIDS
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 27, 1943, Serial No. 504,047
5 Claims. (Cl. 260—464)

1. Compounds having the formula:

$$NC.CH_2.OOC.CH:CR.COO.CH_2CN$$

where R is selected from the group consisting of hydrogen, chlorine and methyl.

2,380,062
CYANOMETHYL CROTONATES
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 27, 1943, Serial No. 504,049
4 Claims. (Cl. 260—464)

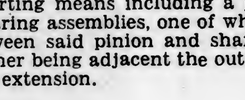
1. Compounds of the formula:

$$CH_3CR:CH.COO.CH_2CN$$

where R is a member of the group consisting of hydrogen and chlorine.

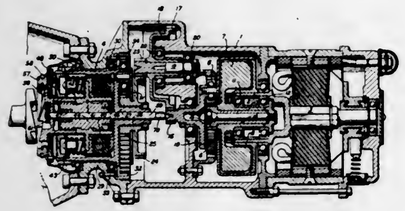
2,380,063
CYANOMETHYL CINNAMATES
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 27, 1943, Serial No. 504,050
3 Claims. (Cl. 260—465)

1. Compounds having the formula:



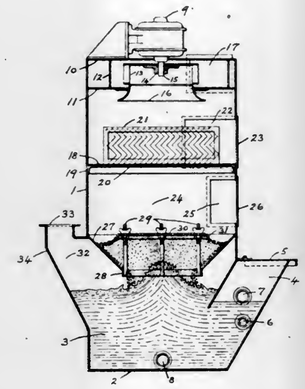
where R is a member of the group consisting of hydrogen and methyl.

2,380,064
ENGINE STARTING MECHANISM
Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application April 8, 1941, Serial No. 387,539. Divided and this application January 15, 1944, Serial No. 518,429
2 Claims. (Cl. 74—259)



1. In an engine starter, a flywheel, flywheel accelerating means including a driving shaft having a hollow extension, and a planetary step-up gear train having a planet carrying element surrounding said flywheel and drivably secured to said hollow shaft extension to be rotated by the latter, said step-up gear train also including a central pinion having driving connection with said flywheel, to drive the latter, and supporting means for said pinion and shaft extension, said supporting means including a pair of concentric bearing assemblies, one of which is interposed between said pinion and shaft extension, and the other being adjacent the outer surface of said shaft extension.

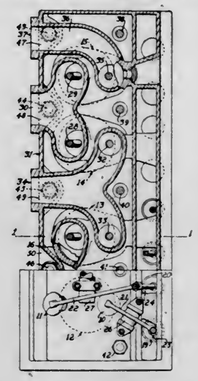
2,380,065
APPARATUS FOR WASHING AIR, GASES, OR VAPORS
Avon Lockhart Newcomb, Birmingham, Mich., assignor to Newcomb-Detroit Company, Detroit, Mich.
Application December 5, 1942, Serial No. 467,944
6 Claims. (Cl. 183—22)



1. An apparatus for washing air comprising a casing through which air is caused to flow, having a lower portion forming a reservoir with a body of water therein, and within said casing a hollow truncated cone terminating at its lower end in a neck bounding an orifice which is positioned above and adjacent to the surface of the water in said reservoir, a horizontal flat circular plate with a downwardly inclined bevelled rim concentrically positioned within said truncated cone and above said orifice, the said bevelled rim presenting a surface substantially normal to the interior surface of said truncated cone, an eliminator positioned above said flat circular plate and means for causing flow of air at suitably high velocity through said casing whereby spray is copiously picked up by said air from the surface of the water in said reservoir and is caused to successively pass through said orifice, impinge against said flat circular plate and thence be projected in a dense sheet against the inner surface of said truncated cone.

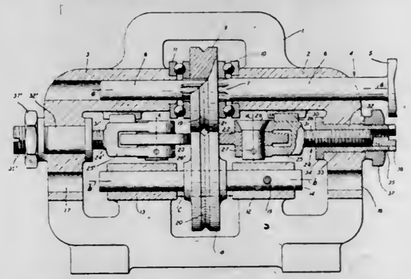
2,380,066
INTERNAL-COMBUSTION ENGINE
Raul Pateras Pescara, Lisbon, Portugal
Application April 18, 1942, Serial No. 439,607
In Spain March 25, 1941
3 Claims. (Cl. 123—52)

1. In an internal combustion engine, more particularly of the multicylinder type with the cylinders in alinement, a cylinder head with an exhaust channel and an inlet channel provided therein for each engine cylinder, said channels opening on the same side of the cylinder head; an inlet valve and an exhaust valve in said cylinder head to respectively control said inlet and exhaust channels, the axes of said valves being disposed in one and the same plane substantially transverse to the engine axis; and means to actuate said valves, said exhaust channels of the successive cylinders being grouped by pairs with



the exception of the exhaust channels corresponding to the extreme cylinders of the engine line.

2,380,067
WIRE-ROLLING MILL
Chester Leroy Patterson, Jackson Heights, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application April 26, 1944, Serial No. 532,695
5 Claims. (Cl. 80—31.1)

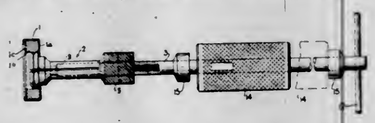


3. In a device for rolling wire including a first pair of peripherally grooved rollers rotatable about parallel axes and peripherally tangent to each other, wherein one of said rollers is adjustable in the direction of its axis in order to cause the roller grooves to register, the combination of a second pair of rollers rotatable about axes in the plane of but at right angles to the axes of the first pair of rollers, the rollers of said second pair being adapted to bear against the side walls of the adjustable roller of the first pair, means to support said second pair of rollers so as to contact said adjustable roller of said first pair close to where the rollers of the first pair contact each other, and means to adjust the position of each roller of the second pair independently of the position of the other roller of the second pair in a direction parallel to the axes of said first pair of rollers.

2,380,068
OIL SEAL PULLER
Clark E. Patton, Springfield, Ohio
Application December 8, 1943, Serial No. 513,649
1 Claim. (Cl. 29—255)

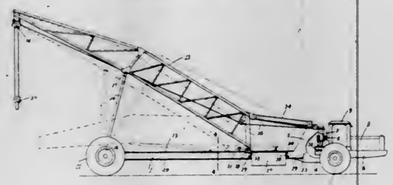
An extractor consisting of a sleeve having an interiorly screw threaded portion at one end, an

intermediate reduced portion and an enlarged head, the head and the intermediate portion of the sleeve being provided with longitudinal slots to form integral spring arms, the head portion of the sleeve having an exterior gripping formation and an interior tapered surface, an integral shaft extending from the head to a point substantially beyond the other end of the sleeve, that end of the shaft which is located within the head being provided with a conical end in contact with the



aforesaid tapered surfaces, an intermediate portion of the shaft being provided with a thread engaging the threaded portion of the sleeve, that portion of the shaft which extends beyond the sleeve being unthreaded, spaced abutments secured on the remote end of the shaft, a sliding block between the abutments on the unthreaded portion of the shaft, and means to rotate the shaft in the sleeve to move the conical end of the shaft toward or from the tapered surfaces.

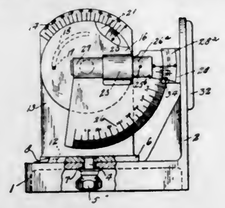
2,380,069
HEAVY-DUTY PORTABLE CRANE
Oscar Raymond Peterson, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application September 18, 1943, Serial No. 502,913
8 Claims. (Cl. 189—11)



5. A crane comprising a longitudinally extended body, a boom mounted at its lower end on the body for sliding movement along the length of the body, such boom inclining upwardly over and along the body, means to slide the boom longitudinally of the body, means to selectively secure the boom at different points along its line of travel on the body, and an upstanding post unit mounted on the body and supporting the boom in its inclined position, such unit being swingable in a plane lengthwise of the body with the sliding movement of the boom along such body.

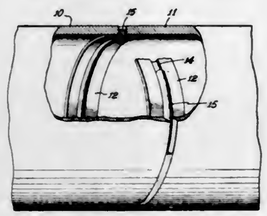
2,380,070
DEVICE FOR COMPUTING COMPOUND ANGLES
John M. Petrov, Cleveland, Ohio
Application February 26, 1944, Serial No. 524,136
7 Claims. (Cl. 33—1)

1. In an angle computer of the class described, in combination, a base, a protractor thereon, a base dial rotative about a vertical axis on said base, and having a vernier coacting with said protractor, a standard extending upward from the base dial, a main vertical dial rotative on said standard about an axis perpendicular to the axis of the base dial, a protractor on the standard, a vernier on the main dial coacting with the last protractor, a side dial supported in a plane perpendicular to the base dial and having a vernier thereon, a side member on the base supporting the side dial, a protractor on the side member coacting with the vernier of the side dial, a swinging protractor carried by the main dial and having its axis perpendicular to the axis of the main



dial and angularly shiftable with the main dial about the axis of the latter, a turning arm connected to the side dial and having a vernier coacting with the swinging protractor, and means connecting said turning arm to the last mentioned protractor whereby swinging movement of the latter transmits rotation to the side dial.

2,380,071
WELDING BAND FOR PIPE JOINTS
Earl C. Planett, Downey, Calif.
Application April 3, 1943, Serial No. 481,757
1 Claim. (Cl. 285—111)

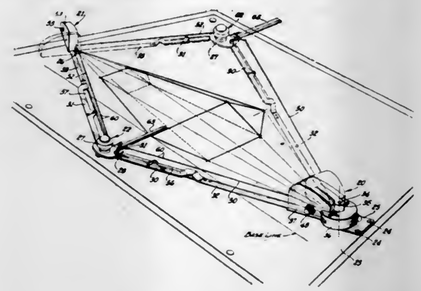


As an article of manufacture, a heat transmitting and radiating welding band comprising a circular band of flat cross-section, said band having a groove formed in its exterior surface and extending circumferentially about the same and centrally thereof, a ring of fusible metal and of circular cross-section and of a diameter considerably less than the width of the band and mounted circumferentially and centrally of the band and nesting in said groove, the ends of said band being spaced apart, the ends of said ring being spaced apart, the spacing between the band ends and ring ends being spaced apart circumferentially.

2,380,072
SULPHURIZED HYDROCARBON AND METHOD OF PREPARATION
James A. Reid, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 6, 1942, Serial No. 433,668
7 Claims. (Cl. 260—79)

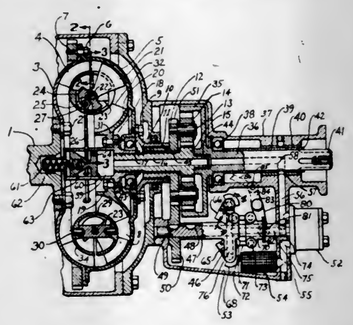
1. A sulphur-containing aliphatic hydrocarbon prepared by polymerizing ethylene in the presence of an oxide of a metal of the iron group, segregating a polymer fraction boiling above 240° C. from the total product, and reacting said polymer fraction wth a sulphurizing agent to form a sulphurized hydrocarbon.

2,380,073
APPARATUS FOR DRAWING PERSPECTIVES
Ralph J. Robinson, Los Angeles, Calif.
Application November 24, 1943, Serial No. 511,566
13 Claims. (Cl. 33—77)



2. In apparatus for the production of perspective drawings by the use of vanishing points, the combination of: a pair of heads adapted to be mounted on a drawing board to establish said vanishing points; a flexible tape housed in each of said heads; and means pivotally connecting the free ends of said tapes, whereby movement of said connecting means over said board will cause movement of each of said tapes.

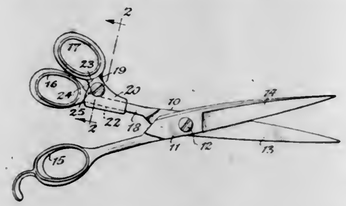
2,380,074
FLUID FLYWHEEL TRANSMISSION
Clifton R. Roche, Los Angeles, Calif.
Application August 19, 1940, Serial No. 353,253
6 Claims. (Cl. 60—54)



3. A transmission of the character described including: variable ratio driving means, means for changing from one ratio to another by variations in fluid pressure, a source of fluid under pressure, a conduit connecting said source of fluid with said means for changing ratio, a centrifugal governor including a centrifugally controlled rotating valve means in communication with said fluid pressure so as to control same, and means other than the speed of rotation for varying the effect of the centrifugal force upon the centrifugally controlled rotating valve means.

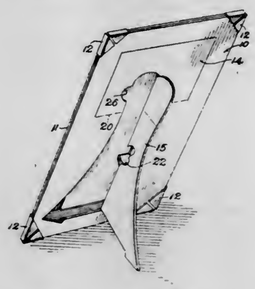
2,380,075
ATTACHMENT FOR SCISSORS OR SHEARS
Edward Rose, Dunkirk, N. Y.
Application September 16, 1944, Serial No. 554,410
3 Claims. (Cl. 30—341)

1. An attachment for a pair of scissors having crossed levers which are pivotally connected and provided on one of their corresponding arms with cooperating blades and on their other corresponding arms with a main thumb ring and a finger ring adapted to receive the thumb and a finger of the operator, said attachment comprising an



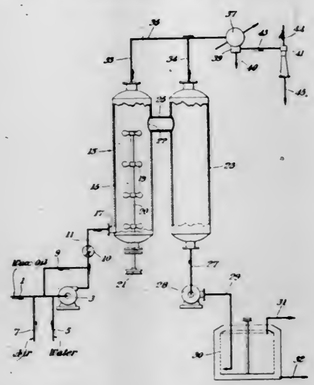
auxiliary thumb ring adapted to be arranged on the circumferentially outer side of the main thumb ring, and a bracket carrying said auxiliary ring and attached to the arm of the main thumb ring.

2,380,076
EASEL BACK FOR PICTURES
Roy W. Scheyer, Chicago, Ill.
Application October 13, 1943, Serial No. 506,020
2 Claims. (Cl. 40—152.1)



1. A die cut easel back for pictures or the like comprising a single flat sheet of foldable board cut and creased to define within its borders a pocket flap extending transversely across the upper portion of the sheet, said pocket flap being hinged to the remainder of the sheet along a transverse crease line defining the lower edge of said pocket flap and about which the latter is foldable rearwardly and downwardly out of the plane of said sheet to permit the insertion of a picture through the opening occupied by said pocket flap, and said sheet also being cut and creased to define within its borders an easel flap extending generally longitudinally of the sheet and disposed with its upper portions superimposed on the central portion of the outline of the pocket flap, said easel flap being outlined by cuts in the sheet defining its bottom edge and an upwardly extending side edge, the other side edge of the easel flap being defined by a second crease line in the sheet disposed at right angles to and intersecting the first-mentioned crease line, the rigidity of said superimposed upper portion of said easel flap against deflection of the same in an edgewise direction serving to retain said pocket flap firmly in the latter's closed position in the plane of said sheet when said easel flap is folded rearwardly along said second crease line into a position in which said easel flap projects rearwardly substantially at right angles to the plane of said sheet for supporting the latter.

2,380,077
WAX-OIL SEPARATION
August Henry Schutte, Hastings on Hudson, N. Y.
Application August 1, 1942, Serial No. 453,219
8 Claims. (Cl. 196—18)

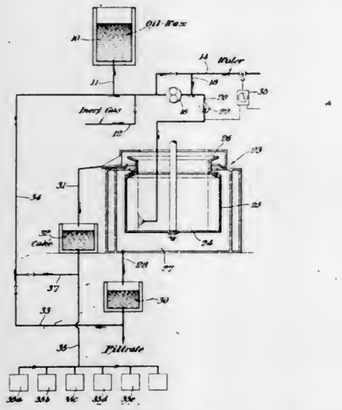


1. The method of separating a mixture of at least two organic compounds having different melting points into predetermined fractions, which comprises maintaining the mixture in a liquid condition, forming an emulsion thereof with an inert, nonsolvent gas and a nonreactive, nonsolvent liquid, said liquid having a boiling point considerably below those of the organic compounds, cooling the resulting emulsion by subjecting it to a reduction in the pressure maintained thereon to vaporize at least a part of the nonsolvent liquid sufficient to solidify at least one of the predetermined fractions, violently mechanically agitating the emulsion during such cooling to maintain the emulsified condition, and thereafter making a liquid-solid separation of the emulsion to separate the solidified material from the remaining liquid material.

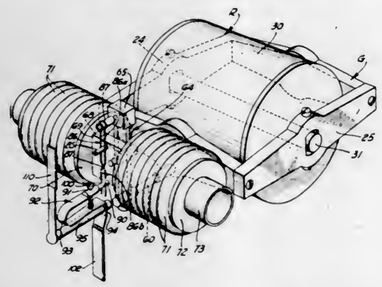
2. An apparatus for gradually cooling an emulsion of a wax-oil mixture with water and air, which comprises a vertical cooling tower, means to introduce the wax-oil mixture in liquid condition admixed with the water and air into the lower portion of the tower, agitating means within said tower to emulsify such mixture, means to apply a vacuum to the top of the tower to subject the resulting emulsion thereto in order to gradually vaporize a portion of the water sufficient to gradually partially cool the emulsion and to gradually partially solidify the wax desired to be separated, means to remove the vaporized water from the top of the tower, means to pass the partially cooled emulsion from the upper portion of the tower to the upper portion of a second cooling tower, means to apply a vacuum to the top of the second tower to subject the partially cooled emulsion continuously to a vacuum to gradually vaporize sufficient water to completely solidify the desired wax fraction, means to remove the vaporized water from the top of this tower, and means to remove the cooled, partially solidified emulsion from the lower portion of this tower.

2,380,078
METHOD OF SEPARATING WAX
August Henry Schutte, Hastings on Hudson, N. Y.
Application April 9, 1943, Serial No. 482,464
3 Claims. (Cl. 196—18)

1. In a continuous wax separation process including the continuous forming of an emulsion of different melting point waxes, a chilling nonsolvent liquid and an inert gas; the steps for obtaining different melting point wax fractions from said emulsion, comprising subjecting the emulsion progressively to a continuous liquid-solid separating operation to separate a solidified higher melting point one of said waxes from the liquid of the emulsion, continuously and repeatedly recycling through said separation step and said emulsifying step the liquid including lower melting point waxes in a liquid condition separated from said solidified wax, progressively introducing chilling non-solvent liquid directly to said recycled liquid in the course of recycling of the latter to reduce the temperature of the recycled liquid step-by-step and solidify the different melting point waxes in succession, successively separating, in said separating step, the so-solidified waxes from the remaining liquid undergoing said recycling, and segregating from each other the different melting point wax fractions so obtained.

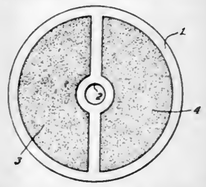


2,380,079
GYROSCOPIC ANGULAR VELOCITY INDICATOR
Leo Nevin Schwien, Los Angeles, Calif., assignor to L. N. Schwien Engineering Co., Los Angeles, Calif., a limited partnership composed of Leo Nevin Schwien, Louise Korbel Schwien, Georgia Korbel, Mary Korbel, and Frances Korbel
Application October 6, 1943, Serial No. 505,147
14 Claims. (Cl. 33—204)



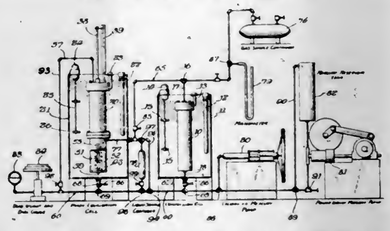
14. In a gyroscopic instrument comprising a relatively fixed frame, a gimbal frame rotatable on said relatively fixed frame on a precession axis, and a gyroscope rotor rotatable on said gimbal frame on an axis at right angles to the precession axis: a pair of resilient hermetically sealed liquid-containing bellows spaced from one another in end to end opposition on a common longitudinal axis and secured at their remote ends to said relatively fixed frame, a bridge member interconnecting the proximate ends of said bellows, a restricted liquid passageway interconnecting the interiors of the two bellows, a pivoted two-sided arm located between said bellows, a pin projecting from said bridge member between the two sides of said arm, and a pin projecting from said gimbal frame from a point offset from said precession axis and received between the two sides of said pivoted arm, and indicator mechanism driven from said bridge member, including a pivoted resilient two-sided arm, a pin projecting from said bridge member and received between the two sides of said pivoted arm, and a pivoted pointer driven by said resilient arm.

2,380,080
RECTIFIER
George H. Shoemaker, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application April 7, 1942, Serial No. 438,001
1 Claim. (Cl. 175—366)



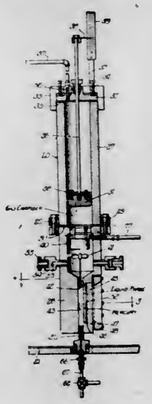
In a rectifier disc, a flat metal plate, a selenium layer thereon, and a conducting coating on the selenium layer, said disc having a central perforation extending through said plate, layer and coating, the coating being divided into a plurality of substantially equal areas covering the entire exposed selenium surface except a narrow stripe extending radially from the perforation between said areas and along the edge.

2,380,081
METHOD OF EVALUATING THE CONTENT OF GAS RESERVOIRS
James Paul Sloan, Houston, Tex., assignor to Houston Laboratories, Houston, Tex., a corporation of Texas
Application March 26, 1942, Serial No. 436,295
11 Claims. (Cl. 73—151)



5. A method of evaluating the content of gas reservoirs and the like, which consists in obtaining samples of liquid and gas produced by a stabilized well under conditions of temperature and pressure existing at the field separator, subjecting a portion of the gas sample to compressibility tests to secure data concerning the pressure-volume behavior of the gas at constant temperatures, recombining a portion of the gas calculated as to volume by the aid of the said compressibility data with a volume of liquid having a certain ratio to said volume of gas to provide a mixture substantially the equivalent of the reservoir fluid that entered the well bore during the sampling period, and in subjecting said mixture to tests for obtaining data indicating the isothermal behavior of the mixture in equilibrium from separator pressure to reservoir pressure.

2,380,082
APPARATUS FOR USE IN EVALUATING GAS RESERVOIRS
James Paul Sloan, Houston, Tex., assignor to Houston Laboratories, Houston, Tex., a corporation of Texas
Application January 19, 1944, Serial No. 518,832
9 Claims. (Cl. 73—23)

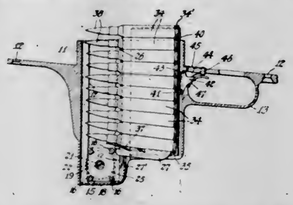


7. A variable volume cell for use in analyzing reservoir fluid comprising, a cylindrical member having a bore extending internally of the same from end to end, said bore including a major portion of large diameter and a portion below the same of small diameter, a movable piston within the member having association with the large diameter portion of said bore, a cap removably secured to the top of the member thereby forming a compartment above the piston, a piston rod secured to said piston and extending through the cap, a valved fitting secured to the base of the member for connecting the small diameter bore with a source of mercury supply, a conduit secured to the cap for supplying the compartment above the piston with mercury from said source, said bore below the piston forming a chamber therewith and which has communication with the small diameter bore, a second conduit extending through the wall of the member into said chamber for supplying a fluid thereto, an electric motor positioned within the gas chamber and having an armature shaft extending within the small diameter bore, and propellers fixed to said shaft and located in the gas chamber and in the small diameter bore respectively.

2,380,083
CARTRIDGE FEEDING MECHANISM
Cosimo D. Spagnolo, New York, N. Y.
Application September 1, 1943, Serial No. 500,792
4 Claims. (Cl. 42—18)

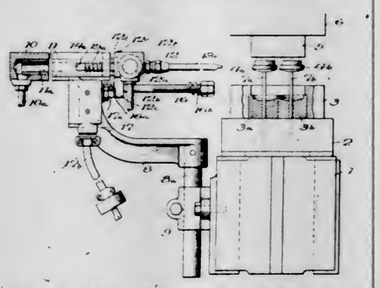
1. In a gun of the class described having means for consecutively transferring cartridges from a

loading position into the breech of said gun, cartridge feeding mechanism comprising a housing open at the top and having a portion depending from said gun between its trigger and the said breech, a carriage forwardly mounted for vertical reciprocation in said housing, a stationary vertical rack in said housing, a pinion journaled in said carriage and in mesh with said rack, a spiral spring operatively connected between said pinion and said carriage so as to be energized by the downward travel of said pinion along said rack, an arm pivoted to said carriage and extending rearwardly therefrom beneath said cartridges, spring means for urging said arm upwardly,



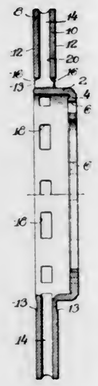
means for limiting the movement of said arm in either direction, a spring member secured to said arm and extending upwardly and toward said carriage, a U-shaped clip for supporting a row of cartridges, open at top and bottom with converging side walls at the top opening for engaging the top cartridge in said row, and constructed and arranged to be inserted through the top of said housing, whereupon a cartridge in said clip will engage said arm and spring member, and force said carriage downwardly against the urge of said spiral spring, and latching means for holding said clip in a fixed position so long as a cartridge remains therein, said clip being constructed and arranged to fall free of said housing when empty.

2,380,084
PUSH-OFF DEVICE
William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application October 9, 1942, Serial No. 461,483
6 Claims. (Cl. 18—16)



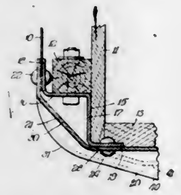
3. A push-off device for a molding press comprising, in combination, an air cylinder having a piston therein mounted adjacent said press for movement transversely of the press, a jet pipe manifold carried by said piston, a plurality of jet pipes mounted on said manifold and arranged to direct a plurality of parallel air streams transversely of said press for discharging molded articles from between the separated mold parts, a connection from said air cylinder to a source of fluid under pressure including a valve controlling the admission of fluid to said cylinder, a vent passage formed in said manifold and having a connection to the inner space of said air cylinder, said vent passage being positioned to direct an air stream parallel to the streams formed by said jet pipes, and means for adjusting the rate of flow through said vent passage.

2,380,085
ROTOR
Carl E. Tack and Louis G. Vree, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 12, 1942, Serial No. 468,750
11 Claims. (Cl. 188—218)



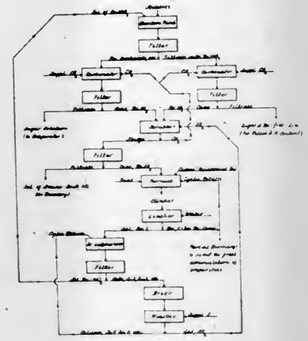
1. In a brake rotor, a substantially cylindrical support member, a brake ring formed on the outer periphery thereof and comprising a plurality of spaced plates, transverse blades extending between said plates, fluid inlets formed in the side of said ring adjacent its juncture with said member, said inlets communicating with the space between said plates, the inlets in one side of said ring being alternately arranged with respect to the inlets on the opposite side of said ring.

2,380,086
RAILWAY CAR STRUCTURE
William J. Tangerman, Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1944, Serial No. 530,383
10 Claims. (Cl. 105—410)



1. In a railway car having a corner structure comprising a vertical member comprising angularly disposed arms, an end wall sheet comprising a body part formed with a flange, means to secure said body part of the wall sheet to one of said arms, and means to secure said flange of the wall sheet to the other of said arms, whereby a box structural beam is provided, said wall sheet provided with a plurality of horizontal corrugations which extend around the corner of the car and merge into said sheet flange, portions of said flange being substantially straight between said arms to provide reenforcement for said corner structure.

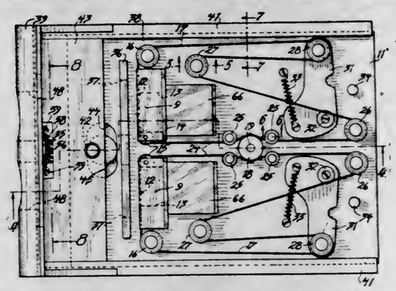
2,380,087
PROCESSING OF MOLASSES AND THE LIKE
Alfred M. Thomsen, San Francisco, Calif.
Application January 16, 1943, Serial No. 472,563
1 Claim. (Cl. 127—47)



The extraction of sucrose from impure solutions of same in any state of concentration but substantially free from invert sugar which comprises; commingling said solution of sucrose with an excess of barium hydroxide; separating the barium saccharate produced; converting said barium saccharate into barium carbonate by treatment with carbon dioxide with simultaneous liberation of the sucrose; separating said barium carbonate from the sucrose solution; converting the carbonate of barium into barium sulphite by the addition of sulphur dioxide produced in a subsequent step; reducing said barium sulphite to barium sulphide and making a water solution of same; desulphurizing said barium sulphide solution by the addition of metallic oxides capable of removing the sulphur, thus forming barium hydroxide and the corresponding metallic sulphides; separating the metallic sulphides from the barium hydroxide solution and returning the latter cyclically to fresh impure solutions of sucrose; roasting said separated metallic sulphides to obtain the regenerated oxides and sulphur dioxide; returning said oxides and said sulphur dioxide to the process for the conversion of barium sulphide and barium carbonate, respectively, where and as previously indicated.

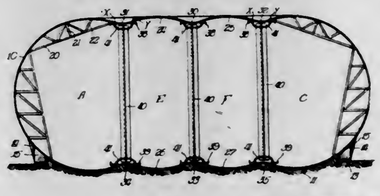
2,380,088
STEREOSCOPIC APPARATUS
Herbert J. Tickell, Chicago, Ill.
Application February 23, 1942, Serial No. 432,019
10 Claims. (Cl. 88—31)

5. In a stereoscopic apparatus, the combination of two similarly disposed picture plane forming strip feed guides spaced longitudinally thereof, means for feeding two feed perforated picture strips, each comprising an endless belt, in synchronism respectively through said guides comprising a rotatable sprocket engaging feed perforations of both of said strips and disposed between and opposedly operative on stretches thereof extending from the adjacent ends of said guides, two sets of spaced guide rollers respectively engaging said strips between said sprocket and the remote ends of said guides and the rollers of each set being spaced in zigzag arrangement and providing a corresponding zigzag path



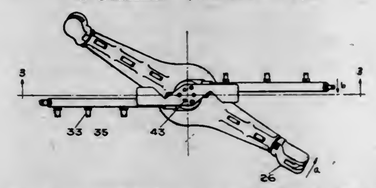
of the strip engaged thereby, and means yieldably urging one roller of each set of rollers against the strip engaged thereby to tension the strips.

2,380,089
PRESSURE TANK
Reign C. Ulm, East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind., a corporation of Delaware
Application December 13, 1943, Serial No. 514,028
5 Claims. (Cl. 220—1)



1. In a pressure tank, a closed container substantially rectangular in plane and formed of circular surfaces throughout, said container including spherical portions forming the corners, horizontal cylindrical sections forming the tank sides and at least one horizontal cylindrical segment comprising the center of the tank, inwardly curved connecting surfaces for joining the center cylindrical segment with the parallel sections forming the tank sides, supporting girders located at the junctions of said center segment with the parallel sections and being disposed on the respective sides of each inwardly curved surface, and posts extending vertically of the tank for connecting certain roof and bottom girders.

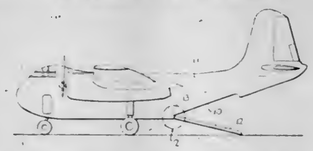
2,380,090
WASHING MACHINE
De Loss D. Wallace, Dayton, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application June 11, 1942, Serial No. 446,644
3 Claims. (Cl. 299—70)



1. In a dish washing machine of the character described, inner and outer arms adapted

to be connected respectively to separate sources of fluid supply for distributing said fluid to and upon the dishes to be washed, means for independently mounting said arms to provide for separate rotation thereof in response to the supply of fluid into each of said arms, said arms having discharge jets therein arranged so that the supply of fluid to said arms produces opposite rotation thereof by reaction, and fluid deflector means carried by the inner of said arms and adapted to be impinged by the stream of fluid discharged from a jet of the outer of said arms during rotation of the latter to cause rotation of said inner arm in a direction opposite to that of the outer arm prior to supply of fluid to said inner arm.

2,380,091
HINGE SUPPORT
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 23, 1943, Serial No. 503,505
6 Claims. (Cl. 214—85)



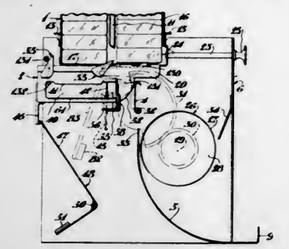
1. A hinge construction adapted for the support of one end of a ramp or like part which is subject to heavy loading transversely of the hinge axis, comprising a first hinge means providing arcuate movement between the hinged part and a connected part, and a second hinge means providing load-carrying surfaces concentric with the axis of the first hinge means.

2,380,092
COFFEE PRODUCT
Mark Weisberg, Providence, R. I., assignor to Bellefont Associates, Cranston, R. I.
No Drawing. Application May 1, 1942, Serial No. 441,343
4 Claims. (Cl. 99—71)

1. The process of making artificial coffee beans which are substantially non-staling and non-hydroscopic, comprising mixing the extract from roasted coffee with a solution containing 25% to 30% of solids of the group consisting of potassium acid phosphate and corn syrup, concentrating the mixture to a solid, compressing the solidified mass into the shape and size substantially of a coffee bean, lightly roasting the compressed beans to bring out the aroma and give them the glaze and the color substantially of the natural coffee beans, and a surface that is non-porous.

2,380,093
DISPENSING MACHINE
Charlton Wilder, Cincinnati, Ohio, assignor of fifty per cent to Albert Price, University City, Mo.
Application March 18, 1941, Serial No. 383,991
15 Claims. (Cl. 312—67)

15. A dispensing mechanism comprising a plurality of pairs of columns arranged in a row, the columns of each row being arranged one behind the other, slidable dispensing mechanism, one for each pair of columns, arranged beneath the columns, pusher elements carried by said dispensing mechanism, one pusher element being located behind the rearmost column and another pusher element being located behind the foremost column, the said pusher elements being adapted to push articles of merchandise contained within said columns from the columns when the dispensing mechanism is slidably operated, a chute located generally forwardly and below the fore-



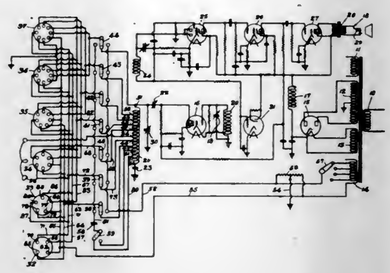
most columns of the row, a rotatable door extending along the row of columns in the chute, the said door, when closed, constituting a trough adapted to receive an article of merchandise ejected from one of said columns, and means for rotating the door to overturn the trough and cause the article of merchandise therein to spill into said chute upon return stroke of the dispensing mechanism which delivered the article into the trough.

2,380,094
OIL WELL DERRICK STRUCTURE
Homer J. Woolslayer, Tulsa, Okla., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,109
6 Claims. (Cl. 189—16)



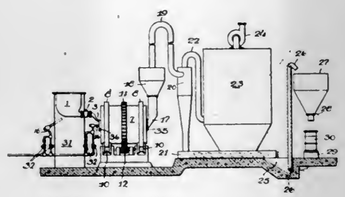
1. A preassembled gin pole adapted to be mounted at the top of an oil well derrick, said pole comprising a skeleton mast structure substantially as wide as the top portion of the derrick and having a laterally projecting portion at one end, means connected to the outer end of said portion for supporting block and tackle, means at the opposite end of said mast for hinging it at horizontally spaced points to one side of the derrick near the top of the latter with the mast hanging down the outside of the derrick and with said lateral portion projecting outwardly, said mast being adapted to be swung up into upright position to locate said supporting means over the top of the derrick, and means on said mast above said hinging means for fastening it in said position to the derrick.

2,380,095
TUBE TESTING DEVICE
Walton De Verter, Oak Park, Ill., assignor of one-third to Samuel L. Brenner, Chicago, Ill.
Application June 11, 1943, Serial No. 490,413
6 Claims. (Cl. 315—368)



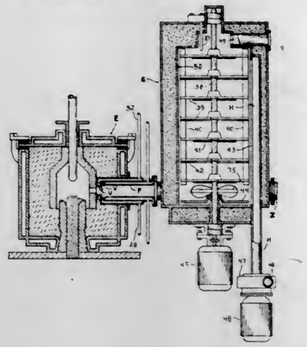
1. In a tube testing device of the type comprising a high frequency oscillator for supplying oscillations of constant frequency coupled to a testing circuit and indicator means coupled to respond to fluctuations in the load imposed on said oscillator by said testing circuit, the combination of means in said testing circuit for connecting the cathode element of the tube under test in individual series circuits with other elements of the tube and for connecting said tube elements for energization at high frequency potentials supplied by said oscillator, means for heating said cathode to render said series circuits conductive, and means for limiting the flow of current in said individual series circuits to prevent variations in frequency of said oscillator.

2,380,096
MANUFACTURE OF LEAD OXIDE
Donald Jay Doan and Leonard Vaughn, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
Application July 27, 1940, Serial No. 348,016
2 Claims. (Cl. 23—146)



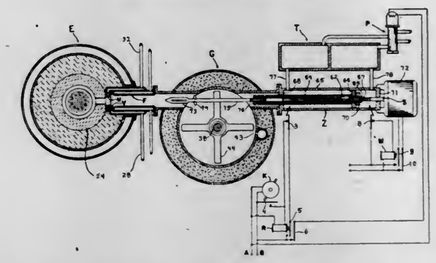
1. The process of making red modification litharge which comprises placing a mass of dry pulverulent lead monoxide particles in a closed space, maintaining an oxidizing atmosphere at temperatures approximately 621° F. to 675° F. in said space, adding molten lead to said mass in said oxidizing atmosphere at a rate that the pulverulent and dry condition of the mass is maintained and the lead contacts and is absorbed by the surfaces of the lead monoxide particles, simultaneously subjecting said mass to agitation, attrition and oxidation in said atmosphere, and finally separating and recovering red modification litharge from the resultant material.

2,380,097
SLUDGE SEPARATOR
Henry A. Doerner, Pullman, Wash.
Original application December 30, 1940, Serial No. 372,293. Divided and this application January 23, 1943, Serial No. 473,324
3 Claims. (Cl. 183—25)



1. A sludge separator comprising a vertical cylindrical casing, a shaft rotatably mounted axially of said casing, spider heads secured to said shaft in spaced apart relation, blades disposed longitudinally of said casing and secured to the arms of said spider heads, disc baffles and annular baffles alternately arranged and secured to said spider heads, said annular baffles each being notched out and saddled over said blades with the periphery extending to the outer edge of the blades so as to form zones along the length of said blades to retard gravitation of sludge within the separator, a sludge pipe disposed longitudinally of said casing on the outside thereof and communicating therewith by a longitudinal slot, an inlet at one end of said casing, and a gas outlet at the opposite end of said casing.

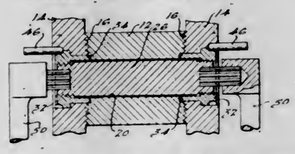
2,380,098
AUTOMATIC REAMER
Henry A. Doerner, Pullman, Wash.
Application January 23, 1943, Serial No. 473,325
12 Claims. (Cl. 266—42)



1. An automatic reamer comprising a piston within a cylinder, a tubular plunger carried by said piston, a sleeve rotatably mounted within said plunger and held against longitudinal movement relative thereto, a reamer shaft secured to the outer end of said sleeve, a cutting head and propeller blades secured to said shaft, an elongated shaft mounted within said sleeve and slidably engaged therewith by a key traveling in a keyway so as to rotate said sleeve during reciprocation thereof, a motor for driving the latter said shaft, an electromagnetic valve selectively supplying pressure to opposite sides of said piston, a

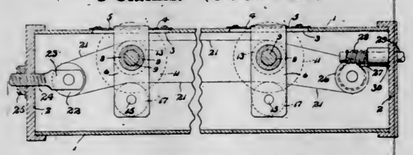
self-locking relay for energizing said valve, a clock operated circuit for periodically energizing said relay, a normally closed switch opened by the stroke of said piston to break the circuit to said relay and reverse said valve, and a circuit for said motor including a normally closed switch held open by said piston in its initial stationary position.

2,380,099
CRANKSHAFT
Julius Dusevoir, Dearborn, Mich., assignor to Century Motors Corporation, Dearborn, Mich., a corporation of Michigan
Application March 16, 1944, Serial No. 526,669
6 Claims. (Cl. 74—598)



1. In an engine crankshaft of the class wherein there is a pair of throws spaced from one another longitudinally of the axis of said crankshaft, and a separately formed journal member is interposed between said throws, the combination with said throws and said journal member of a screw member having threads of different pitch at opposite ends thereof projected through said throw members and said journal member, the outer faces of said throws being recessed, and nuts seated in said recesses threadably engaging the corresponding ends of said screw member.

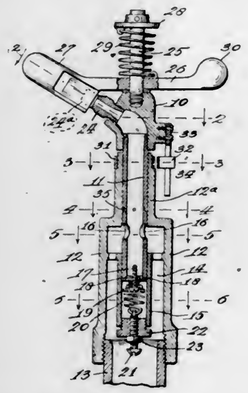
2,380,100
DYEING MACHINE
Arthur J. Emerson, deceased, late of Utica, N. Y., by Jane F. Emerson, executrix, Marshall Township, Oneida County, N. Y., assignor of one-half to J. Anna Ainsworth, Utica, N. Y., and one-half to W. Chase Young, New Hartford, N. Y., and Theodore Steinhorst, Utica, N. Y., as trustees
Application May 24, 1943, Serial No. 488,125
8 Claims. (Cl. 68—202)



1. A dyeing unit adapted to be inserted into an opening in the upper part of a dye holding reservoir including, a support having a vertical leg, means at the upper end of said support for detachably connecting it to the reservoir, and a rotatably mounted dye carrying disk mounted on said leg at one side thereof, means for rotatably mounting said disk on the leg including a shaft to which the disk is connected, said shaft passing through the leg, and means on the shaft at the opposite side of the leg adapted to be engaged to turn the shaft and rotate said disk.

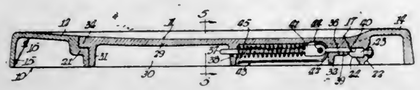
2,380,101
CONSTANT PRESSURE SPRINKLER
Orton H. Englehart, Glendora, Calif.
Application October 25, 1943, Serial No. 507,501
3 Claims. (Cl. 299—69)

1. In a constant pressure water sprinkler, a tubular spindle, a sprinkler head mounted on said tubular spindle, means mounted on said sprinkler head and actuated by the water discharging from said head for imparting step by step rotary movement to said head and spindle, a support in which said spindle is mounted for rotary movement, said support having a chamber,



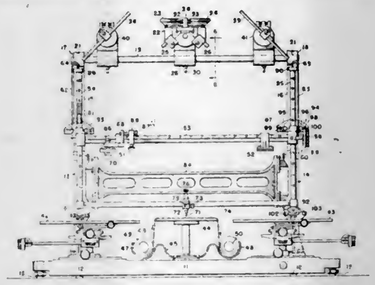
there being an opening formed in said spindle and adapted to communicate with the opening in said support, the effective size of which opening is restricted as the spindle moves upwardly through said support with means for yieldingly resisting the upward movement of said spindle.

2,380,102
SEAT FOR INVALID TRANSFER DEVICES
Melvin M. Farmer, Blue Island, Ill.
Application May 17, 1944, Serial No. 535,901
6 Claims. (Cl. 5—81)



6. A seat for an invalid transfer device embodying therein a seat member having an opening therein, a closure for said opening adapted to be applied to and removed from said seat member from beneath the same, said closure including a top portion and a downwardly and outwardly flaring bordering flange fitting in said opening, a part of said top portion at one end of the closure extending beyond the associated part of said flange and adapted for engagement upon an upwardly facing ledge of the seat member for supporting the associated end of the closure when said closure is disposed in said opening, transverse flanges on the bottom of said closure, a spring pressed plunger associated with the other end of said closure and having sliding engagement in said flanges, one end of said plunger being formed for detachable engagement with a part of said seat member whereby to support the associated end of the closure, when said closure is arranged in said opening, and a pivotally mounted lever for actuating said plunger to disengage said one end of the plunger from said part of the seat member, said lever when in the position disengaging said plunger from said part of the seat member forming a handle by which the closure may be held in the hand when removing the same from or when applying it to said opening in the seat member.

2,380,103
PLOTTING INSTRUMENT
Theodore P. Flynn, Portland, Oreg., and Albert J. Kramer, Arlington, Va., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
Application March 10, 1943, Serial No. 478,644
5 Claims. (Cl. 33—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a plotting instrument of the character described, a stereoscope, and index marks movable in the field of vision of the stereoscope, said index marks being carried by a carriage comprising vertical columns at least one of which is a tube, a horizontal bar on which the index marks are supported and which is slidably mounted on the vertical columns, and at least one counterweight suitably connected to the bar for counterbalancing the weight of the bar and its carried parts and disposed inside the vertical tube.

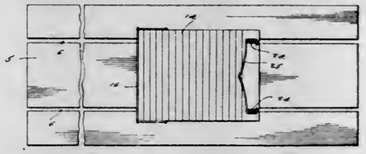
2,380,104
SUPPORT FOR PENDANT ORNAMENTS
Walter Gebauer, Union, N. J., assignor to Premier Glass Works, Inc., Irvington, N. J.
Application February 8, 1943, Serial No. 475,225
4 Claims. (Cl. 24—73)



1. A support for an article having a hollow tubular extension and including a cap of cellulosic material for said hollow tubular extension, said cap having an aperture in the top thereof, and a loop having registering ends cooperating therewith, and including a flexible cellulosic ribbon-like strap the ends of which are enlarged and provided with transverse slots normal to the edges of said strap receiving the lip of the cap surrounding said aperture and interlocking with said lip.

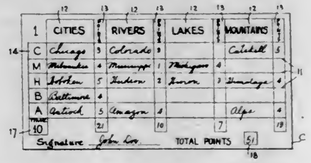
2,380,105
AIRPLANE LANDING AND RETARDING APPARATUS
Oswald Gerrard, Houston, Tex.
Application March 11, 1944, Serial No. 526,026
1 Claim. (Cl. 244—110)

An airplane landing and retarding apparatus of the character described comprising an elongated pit, longitudinal rails in said pit, an elongated deck mounted longitudinally above the pit, a carriage operable on the rails in the pit, a platform, for receiving an airplane making a landing, mounted on said carriage and operable above the deck, brakes on the carriage frictionally engageable with certain of the walls of the pit, a bale mounted for swinging movement on the carriage, said bale for connection with an airplane for anchoring said airplane on the platform, a lever



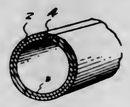
secured to said bale, a pinion on said lever, a rack movable by said pinion, and additional levers movable by said rack to apply said brakes, for braking the carriage with the airplane on the platform.

2,380,106
GAME
Melvin Jenkins Hilton, Burbank, Calif.
Application September 1, 1943, Serial No. 500,757
2 Claims. (Cl. 273—135)



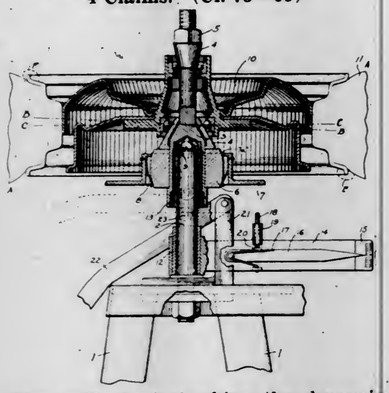
1. A game comprising the combination of a card having a plurality of vertical columns with headings therein for designating the meaning of the words to be written in said columns and horizontal lines crossing said columns for writing words thereon in said columns, and an alphabet pool comprising men with letters of the alphabet thereon for determining the first letter of each of said words on said lines in said columns.

2,380,107
TUBING
Raymond H. Hobrock, Grosse Pointe, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application May 2, 1941, Serial No. 391,595
4 Claims. (Cl. 138—47)



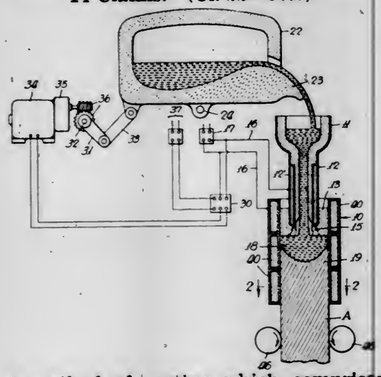
1. A tube comprising metal stock having the geometric shape of elongated strip with opposite edges, some of said metal stock being a copper-nickel alloy, said metal stock being of hollow cross-sectional form having parts, including the opposite edges, disposed in interfacial relationship forming a seam or ply structure so that the hollow form is closed and a bond zone consisting entirely of an alloy of copper and the strip stock metal co-extensive with the interfaces and integral therewith, said bond zone and the interface of the copper-nickel strip having copper-nickel proportions substantially corresponding to the copper-nickel proportions of the copper-nickel strip, whereby the proportions of copper and nickel throughout the body of the copper-nickel strip and the bond zone are substantially uniform.

2,380,108
METHOD FOR TESTING THE DYNAMIC BALANCE OF WHEELS
Herbert Glenn Holmes, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Original application June 4, 1936, Serial No. 83,587. Divided and this application October 9, 1939, Serial No. 298,552
4 Claims. (Cl. 73—66)



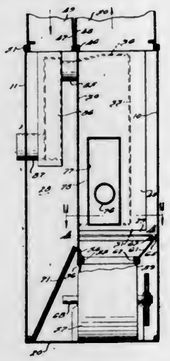
1. The method of checking the dynamic unbalance of a rotatable object comprising supporting the object for free universal tilting movement thereof, rotating the object about its axis at sufficient speed to cause it to tilt under the influence of dynamic unbalance thereof whereby the object is caused to wobble around a reference axis, establishing a reference plane at right angles to said reference axis while the object wobbles about the same during its rotation, stopping the rotation of the object while maintaiing the reference plane in its established position relative to the axis of the object, and gauging the angularity of said reference plane with respect to a plane of the object normal to its axis to determine the amount and location of the dynamic unbalance of the object.

2,380,109
METHOD AND APPARATUS FOR CASTING METAL BODIES
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application July 29, 1943, Serial No. 496,665
14 Claims. (Cl. 22—57.2)



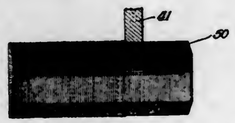
2. A method of casting which comprises depositing molten metal into a mold through a substantially non-conductive nozzle having a conductive external lower discharge end submerged in a floating layer of flux in said mold, and discharging current across a gap between said discharge end and the upper surface of the deposited metal while metal is being deposited in said mold, to heat the upper portion of the deposited metal and maintain it sufficiently fluid to feed continuously the solidifying metal below.

2,380,110
FURNACE
Charles A. Huwer, Detroit, Mich.
Application March 14, 1942, Serial No. 434,706
13 Claims. (Cl. 126—110)



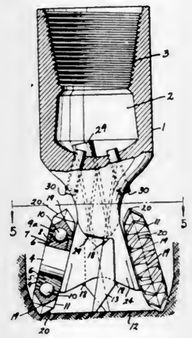
1. A furnace comprising a box-like casing having vertically arranged side walls, a hollow metal heater element within the casing and having vertically arranged side walls disposed in spaced relation to the side walls of the casing, vertical flanges projecting laterally from opposite sides of the element and extending substantially to opposite sides of the casing so as to divide the casing but being spaced therefrom and free from metal to metal contact therewith, flexible vertically extending sealing strips on the flanges adjacent their outer edges and projecting laterally beyond such edges into flexible wiping engagement with the casing wall whereby the casing is divided into two vertically arranged chambers, a blower in the bottom of the casing and connecting the lower ends of the chambers, and means for supporting the heating element on the blower housing, the arrangement being characterized by the fact that the assembly of blower housing and heater element with flanges may be assembled with the casing side walls and is supported vertically without any rigid connections between the side walls and flanges.

2,380,111
HELICALLY WOUND BODY
Walter Kasten, Franklin, Mich., assignor to Ralph L. Skinner, Detroit, Mich.
Application June 19, 1943, Serial No. 491,433
4 Claims. (Cl. 138—73)



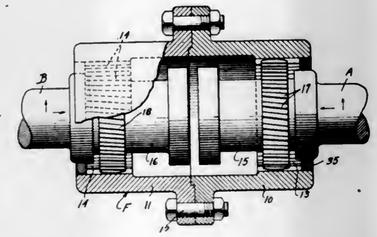
2. In a round hollow body composed of a helically-wound plurality of individual parallel registered uneven-surface ribbons adhered together in face-to-face contact with one another with passages between the ribbons, the novel improvement being that said ribbons are crepe-paper and that the rugosities of the contacting faces of the ribbons cross one another.

2,380,112
DRILL
Clarence Wellington Kinnear, Houston, Tex.
Application January 2, 1942, Serial No. 425,408
2 Claims. (Cl. 255—71)



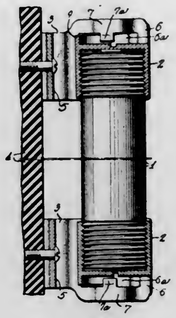
1. A rolling cutter for use in well drills comprising, a disc-like body having on its periphery cutting teeth terminating in outwardly directed cutting edges and spaced apart so as to leave notches, or depressions, between the cutting teeth, that portion of the notches, or depressions, forming the body of the rolling cutters, being beveled so as to form sharp cutting edges extending circumferentially of the disc-like body, the cutting edges of the teeth extending radially further than the circumferential cutting edges of the notches.

2,380,113
FLEXIBLE COUPLING
Austin Kuhns, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y., a corporation of Connecticut
Application April 12, 1943, Serial No. 482,692
3 Claims. (Cl. 64—9)



1. A coupling assembly comprising a coupling member having helical teeth at its ends, shafts at the ends of the said coupling member coaxial therewith and having helical teeth meshing the teeth at the respective ends of said coupling member, all of said teeth extending longitudinally in the same direction and with the same angle relative to the axis of said assembly.

2,380,114
MOUNTING FOR ELECTRIC FUSES
Max Kurillo, Washington, D. C., assignor of one-third to Knight Bros., Washington, D. C.
Application December 16, 1941, Serial No. 423,247
9 Claims. (Cl. 200—134)



1. In an electric fuse mounting, a clip carried by said mounting and fashioned to receive into its embrace, a fuse entering into assembly with said clip and disassembly therefrom by a bodily movement of the fuse relatively to the clip; said fuse and mounting, while in assembly, having an interlocking movement relatively one to the other, independent of the assembly movement between them, and interlocking members carried respectively by the mounting and by the fuse and brought into and out of interlock by said independent movement, said interlocking member on the fuse comprising a semi-cylindrical extension at the extremity of the fuse and the interlocking member on the mounting comprising projections on said clip adapted to engage said extension.

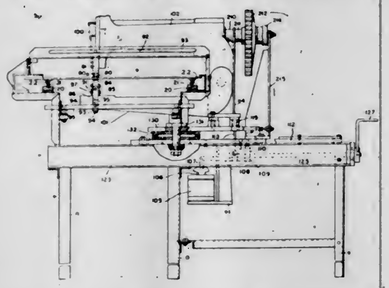
2,380,115
METHOD OF TREATING GUM SOLUTIONS
Herbert T. Leo, Clarence C. Taylor, and John W. Lindsey, Anaheim, Calif., assignors to Mutual Citrus Products Company, Anaheim, Calif., a corporation of California
No Drawing. Application December 22, 1941, Serial No. 423,954
10 Claims. (Cl. 99—78)

3. A method of preparing a stable aqueous solution of a natural water soluble gum and pectin which comprises heating an aqueous solution of said gum at 170° to 200° F. for a time sufficient to destroy enzymes present therein and thereafter incorporating pectin therewith.

2,380,116
STAPLING MECHANISM
Alvin C. Lind, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application March 16, 1942, Serial No. 434,958, which is a division of application Serial No. 411,940, September 22, 1941. Divided and this application September 8, 1942, Serial No. 457,666
26 Claims. (Cl. 1—2)

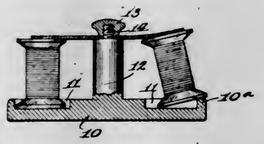
1. In apparatus of the character described, a conveyor, a slide adjustable transversely of said conveyor, a swivel plate pivoted to said slide, a stapling device secured to said swivel plate, said stapling device having a stapling head located remote from the pivot axis of said swivel plate

whereby said stapling head moves along said conveyor while engaged with articles carried



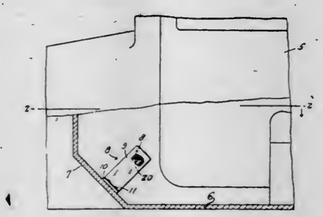
thereby, and resilient means for returning said swivel plate to initial position when said stapling head becomes disengaged from said articles.

2,380,117
SPOOL HOLDER
Joseph Maldonado, Los Angeles, Calif.
Application March 1, 1944, Serial No. 524,582
2 Claims. (Cl. 242—139)



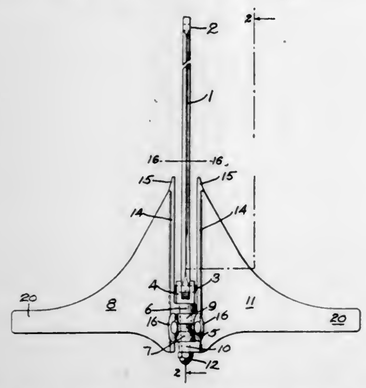
1. A spool holder comprising a base having in its upper face a depression adapted to receive the lower ends of spools, a member projecting upward from the center of said base and a resilient member mounted on the upper portion of said upwardly projecting member, the marginal portion of which resilient member is positioned above the spool receiving depression in said base and disposed inwardly from and parallel with the outer edge of said depression.

2,380,118
FOOTREST
Loyd C. Martz, Del Norte, Colo., assignor of one-half to Lester L. Felker, Del Norte, Colo.
Application June 24, 1943, Serial No. 492,076
1 Claim. (Cl. 155—165)



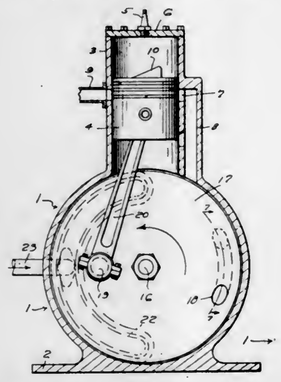
An automobile accessory type foot rest comprising a stand, said stand embodying an upright having a laterally directed anchoring foot at its lower end attachable to a relatively fixed part of an automobile, and a foot rest, said foot rest being channeled in cross-section and including parallel flanges along longitudinal edges and overlapping ears at the end adjacent said upright, said ears being fastened to said upright, said foot rest being attached to said upright at a point below the upper end thereof, thus permitting the upstanding portion to function as an anti-slipping guard.

2,380,119
ANCHOR
John K. Northrop, Los Angeles, Calif.
Application March 31, 1941, Serial No. 386,059
15 Claims. (Cl. 114—208)



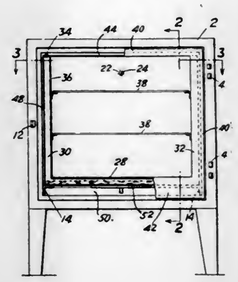
15. An anchor in accordance with claim 2 wherein said fluke section limiting means limits the relative rotation of the two fluke sections to substantially 60° and wherein said shank limiting means limits said shank rotation with respect to said hinge pin to approximately 40° to 45° on each side of said shank, and wherein the length of said fluke sections and the length of said shank are coordinated to provide an initial fluke penetration angle of approximately 60° under a cable pull.

2,380,120
ENGINE
Walter T. Pfeifer, New York, N. Y.
Application May 6, 1943, Serial No. 485,905
2 Claims. (Cl. 123—73)



1. An internal combustion engine comprising a crank case including opposed end plates, one of said end plates having an arcuate slot, a cylinder on the crank case communicating, at an intermediate point therewith, for receiving fuel therefrom, an elongated arcuate chamber, for the reception of air and fuel, mounted on said one of the end plates and communicating with the crank case through said slot, a shaft journaled in the crank case, a thick and heavy combined fly wheel and valve disk fixed on the shaft in the crank case and operable in face abutting engagement with said one end plate, said disk having a transversely and circumferentially extending passage therein for admitting air and fuel from the chamber into the crank case for compression in the latter, said passage extending from the outer face of the disk to the inner face thereof in a direction opposite to the direction of rotation of the disk, and a piston mounted for reciprocation in the cylinder and operatively connected to the disk at the inner side of the latter.

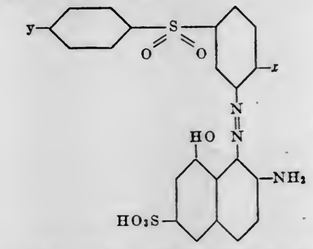
2,380,121
FOOD STORAGE EQUIPMENT
Mabel Nixon Robertson, Philadelphia, Pa.
Application July 9, 1942, Serial No. 450,267
4 Claims. (Cl. 126—20)



1. Apparatus of the type described for the maintenance of cooked foods at elevated serving temperatures for extended periods of time comprising a heat-insulated housing, means for closing said housing against transfer of air to or from the exterior thereof, means providing a food compartment within said housing, means providing a vapor compartment within said housing, said food and vapor compartments having contiguous areas of substantial extent for free heat conduction between them, means providing communication between said compartments restricted so that seepage of vapor between them may occur due substantially solely to small differences of vapor pressures in the compartments resulting from small temperature differences and so that there is prevented the creation of any substantial convection currents in the food compartment by the vapor, means for applying heat to water within said vapor compartment, the vapor compartment spacing the heating means from the food compartment so that heating of the food compartment by the heating means can occur substantially only by transmission of heat from the vapor compartment, said means for applying heat being characterized by doing so at such low rate, in conjunction with said free heat conduction between the compartments and their common insulation against their surroundings, as to prevent substantial temperature differences from existing between the food and vapor compartments, and means under control of the temperature within the food compartment for regulating the action of the heating means to maintain the temperature within the food compartment within a narrow range substantially below the boiling point of water.

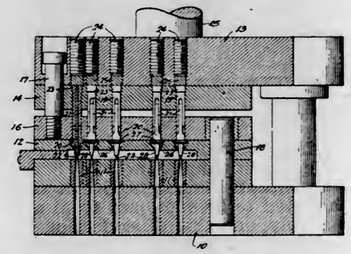
2,380,122
MONOAZO DYESTUFFS
Jakob Scheidegger, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss company
No Drawing. Application April 20, 1942, Serial No. 439,769. In Switzerland April 25, 1941
2 Claims. (Cl. 260—198)

1. Dyestuffs which, in the free state, correspond to the general formula



in which the position denoted by x is occupied by a member selected from the group consisting of chlorine and bromine and the position denoted by y is occupied by a member selected from the group consisting of H and methyl.

2,380,123
PUNCH MOUNTING
Jacob A. Smith, Chicago, Ill., assignor of one-half to Claude A. Benjamin, Chicago, Ill.
Application July 10, 1944, Serial No. 544,166
6 Claims. (Cl. 164—124)

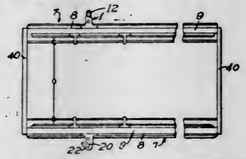


1. For use with a punch press having a fixed die, a stripper plate fixed above the die, and a punch pad above the stripper plate movable toward and away from the stripper plate and die, a punch mounting comprising a pair of elongated members having telescopically interengaging parts for relative longitudinal telescoping movement and formed with a longitudinal punch receiving opening, a punch in said opening supported against lateral bending by said parts, one of the parts and one end of the punch being secured against movement relative to the punch pad, a reduced extension at the end of the other part to support the punch and adapted to extend thru an opening in the stripper plate, and an enlargement on the other part adjacent the upper end of the extension to engage the stripper plate.

2,380,124
HEDDLE FRAME FOR LOOMS
Emil Streuli, Horgen, Switzerland, assignor to Grob & Co., A. G., Horgen, Switzerland
Application May 18, 1942, Serial No. 443,449
6 Claims. (Cl. 139—92)

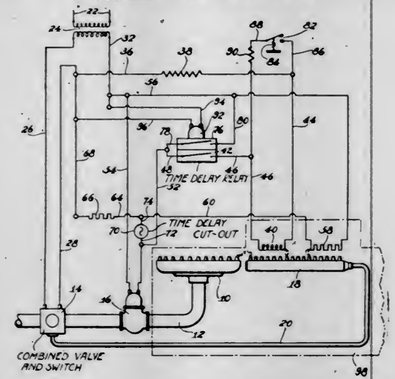
1. An attachment clutch for heddle frames, the staves of which have ribs each with a web and

an enlarged head, comprising a pair of interconnected jaws, one on each side of a rib, with elongated portions opposite the web of the rib



and centrally spaced from the web, the elongated portions having terminal parts in sliding engagement with the web.

2,380,125
SAFETY CONTROL FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application October 1, 1942, Serial No. 460,456
7 Claims. (Cl. 158—117.1)

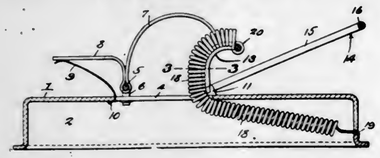


1. A safety control and ignition system for fuel burners having main and pilot burners comprising an initially unbalanced electrical bridge circuit adapted to be energized from a source of current supply, one arm of said bridge including an electric resistance igniter for the pilot burner, a second arm comprising electrically operable means controlling supply of fuel to the main burner, a pair of resistors in the third and fourth arms one of which is exposed to the heat of the pilot burner flame and the other being thermally responsive to energizing current in said circuit, said resistors being adapted to increase in resistance value when heated thereby, a cut-out connected across opposite junctions of said first and second arms and said third and fourth arms of said bridge and being inoperative during the initial unbalanced period, said cut-out being adapted to receive a reduced supply of current as said bridge balance improves when said resistors increase in resistance value, and means for connecting opposite junctions of said first and fourth arms and said second and third arms to said source of current supply.

2,380,126
MARKING CRAYON
Fred A. Sturm, Paterson, N. J.
No Drawing. Application September 11, 1941, Serial No. 410,373
7 Claims. (Cl. 260—738)

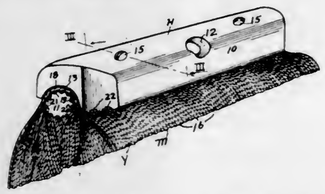
1. A marking crayon for textiles undergoing processing comprising a composition containing pigment, a chlorinated rubber, a high boiling plasticizer solvent and a wax, said pigment being dispersed in said composition and coated by said chlorinated rubber and said wax preponderating over the chlorinated rubber content, said crayon forming a mark upon a textile which will remain thereon without substantial removal and masking even though the fabric be subjected to prolonged boiling treatments in finishing and dyeing baths, in the acid or alkali baths, and said marking resulting in an attachment of the pigment to the textile by the chlorinated rubber after removal of the wax, which chlorinated rubber not only serves as a permanent adhesive attachment to the pigment but also protects the pigment against masking from any chemical.

2,380,127
TRAP
Earl Hicks Tomey, Detroit, Mich.
Application May 10, 1944, Serial No. 534,931
3 Claims. (Cl. 43—81)



1. A trap including a base, a jaw pivotally mounted on the base, an arcuate member extending upwardly from and movable with the jaw, a coiled spring anchored to the base and to said arcuate member and positioned to be bent and placed under tension when the jaw is moved to set position and the arcuate member is moved in one direction, thereby to produce spaces between those convolutions of the spring engaging the arcuate member, a latch pivotally mounted and positioned to move by gravity into one of said spaces, thereby to hold the spring under tension and the jaw in set position, and a bait holder extending from the latch and depressible to disengage the latch from the spring.

2,380,128
MOP STRUCTURE
John Charles Trindl, Chicago, Ill.
Application May 22, 1943, Serial No. 488,032
3 Claims. (Cl. 15—153)

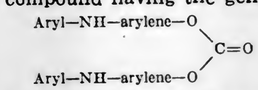


3. A mop structure comprising an oblong body having a wide semi-cylindrical channel in its under side extending longitudinally along the front portion thereof to leave an extended heel portion rearwardly of the channel, a cylindrical clamping bar for fitting into said channel with its lower half projecting below the bottom of the body, a mop element having its intermediate portion engaging around the top of said bar with its strands extending therefrom, said bar being corrugated to provide longitudinally extending gripping edges, means for drawing said bar into the channel for engagement of the top gripping

edges on the bar with the intermediate portion of the mop element for securing the mop element to the body, the under side of said heel portion being corrugated to provide longitudinally extending gripping edges, the gripping edges on said body and on the projecting portions of said bar serving to grip the mop element strands at various points along their length when the strands are moved along a surface to be cleaned whereby to distribute the tension on the strands and prevent localization of the tension at the points of connection of the strands with the body, the strands extending from the forward side of said bar being sufficiently longer than the strands extending from the rearward side of the bar whereby when said body is moved forwardly and rocked rearwardly under pressure against a surface the ends of the strands will be pressed between the surface and the rear side of said heel portion for extraction of moisture from the strand ends.

2,380,129
ANTIOXIDANTS
Frank R. Valentine, Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application January 29, 1943, Serial No. 473,975. Divided and this application February 24, 1944, Serial No. 523,749
7 Claims. (Cl. 260—808)

3. An organic substance which tends to deteriorate by absorption of oxygen from the air containing a compound having the general formula



where aryl and arylene each refer to an aromatic nucleus selected from the class consisting of the benzene, naphthalene, and biphenyl series.

2,380,130
ANTIOXIDANTS
Frank R. Valentine, Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 29, 1943, Serial No. 473,975
4 Claims. (Cl. 260—463)

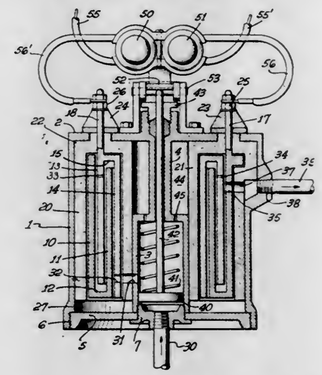
4. A di-(arylamino) diaryl carbonate.

2,380,131
FASTENER
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application June 4, 1942, Serial No. 445,746
10 Claims. (Cl. 24—221)



1. A fastener adapted for detachably connecting a plurality of apertured parts comprising a receptacle adapted to be fixedly mounted on the innermost part and having a stud-receiving aperture adapted to overlie the aperture of said innermost part in spaced relation therefrom, a spring finger on said receptacle, a stud adapted to be rotatably mounted in the aperture of the outermost part having a helical cam portion rotatable into the aperture of the receptacle to engage and deflect the aperture-defining receptacle portion toward the part aperture to draw the parts together, and an abutment on said stud adapted to thrust against said spring finger on the receptacle for holding the stud against unauthorized rotation.

2,380,132
INSTANT HEATER FOR LIQUIDS
Lucian E. Walther, Los Angeles, Calif., assignor to James N. Schien, Los Angeles, Calif.
Application December 18, 1943, Serial No. 514,777
5 Claims. (Cl. 219—39)



1. In an instant water heater, the combination of: a cylindrical housing having one closed end and a centrally disposed piston valve cylinder integral with said housing; an annular end plate and means for connecting the end plate to the other end of the housing and to the piston cylinder to form a water-tight annular chamber within the housing; conduit means for supplying liquid to one end of the cylinder; a distribution port in the side of the piston cylinder and communicating the cylinder with the interior of the housing; a valved outlet pipe in communication with the housing; an air chamber isolated from the rest of the housing above the piston cylinder and in communication therewith; and a piston valve in the cylinder, said valve being adapted to shut off communication between the supply conduit and the distribution port when the valved outlet pipe is closed and to open communication between the supply conduit and distribution port when the valved outlet pipe is open.

2,380,133
PROCESS FOR RENDERING TEXTILES WATER-REPELLENT
Ernst Waltmann and Edgar Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 3, 1938, Serial No. 183,234. In Germany January 6, 1937
7 Claims. (Cl. 8—116.2)

1. A process for rendering textile material water-repellent which comprises heating the material with a compound of the formula

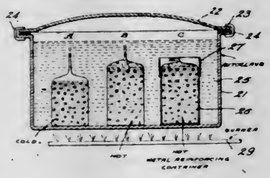
R.Y.CH_2.Halogen

where R is an aliphatic radical containing at least 10 carbon atoms and Y is a radical selected from the group consisting of NH.CO.NH,

CO.NHCONH, CO.NHNH, CO.NHCSNH,

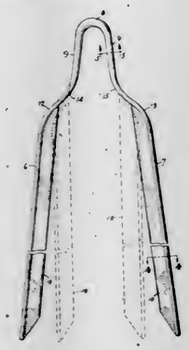
O.CO.NH, O.CO.NHCONH, O.CONHCSNH, and CO.NHO, to render it water-repellent.

2,380,134
METHOD OF PRESERVING FOODS IN FLEXIBLE-WALLED FLUID-TIGHT BAGS
Harry F. Waters, New York, N. Y.
Application October 22, 1940, Serial No. 362,182
6 Claims. (Cl. 99—182)



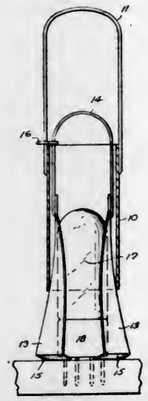
1. The method of preserving foods in flexible-walled bags which comprises introducing food to be preserved into a flexible-walled bag fluid-tight and heat-fusible on its inner surface at least, collapsing the portions of said bag above the level of the contents, hermetically heat-sealing the mouth of said bag thereby providing a substantial collapsed head space capable of subsequent expansion upon increase of the inner pressure within said bag, externally exposing said filled and sealed bag to contact with a fluid heat transfer medium to raise the temperature of the contents to sterilizing temperatures whereby the gases produced within said bag incident to sterilizing will be taken up by expanding said normally collapsed head space without exerting any appreciable pressure on the seam structure, and then causing cooling of said bag and contents to room temperature to collapse said head space into its original position.

2,380,135
PELT STRETCHER
George S. West, Lynwood, Calif.
Application August 16, 1943, Serial No. 498,833
5 Claims. (Cl. 45—24)



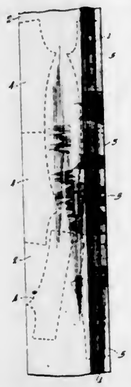
4. A resilient pelt stretcher comprising leg members having converging bent ends, shoulder members connecting with the bent ends by means of inward curves arranged back to back, and a cross member connecting the shoulder members with each other, the device gradually reducing in size from the cross member through the shoulders and to the leg members and the leg members having inward reenforcing flanges extending through the bent ends to reenforce same, to provide the greatest resilience at said inward curves.

2,380,136
RADIO TUBE EXTRACTOR
Joseph W. Whitney, Conway, Pa.
Application August 3, 1944, Serial No. 547,929
1 Claim. (Cl. 294—99)



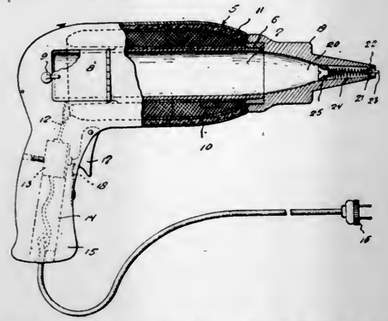
In a device of the character described, in combination, a sleeve, a handle on said sleeve, a pair of tapered members positioned for movement within said sleeve, a resilient handle member connecting said tapered members at their upper extremities and biasing their lower extremities outwardly with respect to said sleeve, a flange at the lower extremity of each of said members adapted to engage the base of a radio tube, and means securing said handles together to hold the same in alignment and limit the movement of said sleeve and said tapered portion with respect to each other.

2,380,137
FABRIC AND GARMENT CONSTRUCTION
Charles D. Williamson, Fort Worth, Tex.
Application August 25, 1944, Serial No. 551,162
2 Claims. (Cl. 139—383)



1. An improved article of manufacture, a woven sheet for fabricating trousers, said sheet having a selvedge, a continuous area of increased wear quality extending parallel to said selvedge comprising a group of yarns having, as a group, comparatively high wearing properties, a relatively narrow area formed of yarns of comparatively low wearing properties between said area of increased wear quality and selvedge, a second, comparatively wide area formed of yarns of relatively low wearing properties at the opposite side of said area of increased wear quality, the relative widths of said areas being such that sections cut lengthwise of said area of increased wear quality with equal widths of material of lesser wear quality at opposite sides thereof will form trouser front panels having said area of increased wear quality extending lengthwise and centrally thereof, and sections cut lengthwise from the remaining portion of said second, wider area of lesser wear quality will form trouser back panels.

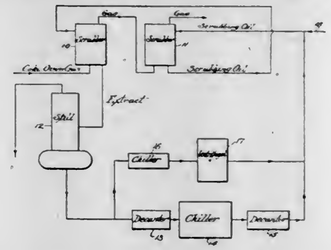
2,380,138
SOLDERER OR LEAD TOOL
Harry Abramson, Ventnor, N. J.
Application July 22, 1943, Serial No. 495,756
1 Claim. (Cl. 219—27)



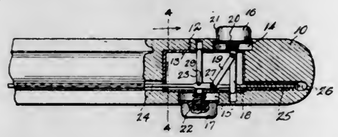
In a tool of the character described, a handled enclosure shell or housing having its end portion remote from its handled portion open and reduced to form a cylindrical neck which is externally screw-threaded, an axial tubular solder or lead-containing and melting chamber having its open end portion fitted and supported leak-tight within said neck portion of the outer shell or housing, said tubular chamber extending with its closed opposite end portion substantially rearward in said shell or housing, an electrical heating element surrounding said tubular chamber within the shell or housing and electrically insulated from both the tubular chamber and the shell or housing but with heating effect on said chamber, and a detachable dispensing nozzle for liquid solder or lead having an enlarged open end portion internally screw-threaded to fit the external screw threads on said neck portion of the shell or housing and provided with a tapered longitudinal chamber communicable at its larger end with said solder or lead containing and melting chamber, said nozzle having a substantially reduced tapered tip extension having a restricted bore therethrough communicating at its inner end with said tapered chamber of the nozzle, and a spring-urged normally closed but inwardly opening valve in the outer end portion of said nozzle tip, said valve having an axial stem projected outwardly beyond the end of the tip extension of the nozzle.

2,380,139
PURIFICATION OF EXTRACTING SOLVENTS
Charles M. Ambler, Jenkintown, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 21, 1942, Serial No. 451,735
5 Claims. (Cl. 196—8)

1. In the treatment of an extracting solvent used in a process comprising the extraction of the material to be treated by said solvent and subsequent re-use of the solvent in the extracting operation, the novel steps comprising effecting purification of the solvent between extraction steps by dividing the body of the solvent between said steps, cooling a divided portion of the body of solvent to a temperature below that of the remainder, removing impurities precipitated by the cooling from said divided portion, cooling the remainder of the body of solvent to a temperature higher than that to which said last-mentioned divided portion is cooled, removing impurities from said less drastically cooled remainder of the body of solvent which are precipitated by the cooling thereof, and thereafter combining said more drastically cooled portion with the less drastically cooled remainder of the solvent for re-use in the extracting operation.



2,380,140
SAFETY GUN TRIGGER
Elmer A. Anderson, Moorhead, Minn.
Application July 1, 1943, Serial No. 493,101
4 Claims. (Cl. 42—70)



1. A safety device for guns having a trigger, said device comprising a slidable trigger-engaging and releasing plate for normally holding a trigger in a safety position, a pull rod secured to said plate and extending forwardly of said trigger and plate, a releasable locking member engaging said pull rod for normally holding the pull rod in a safety position, and a pull rod actuating member engaging the pull rod for shifting the pull rod when said locking member is released from said pull rod, the locking member and the actuating member being mounted adjacent said pull rod and extending at right angles to said pull rod, said locking and actuating members being located forwardly of said trigger and releasing plate.

2,380,141
ROSIN MODIFICATION
Làszló Auer, South Orange, N. J., assignor to Ridbo Laboratories, Inc., Paterson, N. J., a corporation of New Jersey
No Drawing. Application October 12, 1942, Serial No. 461,793
1 Claim. (Cl. 260—106)

A process for making a modified and softened rosin product from hard and brittle rosin, which process comprises dispersing in the rosin from

0.5% to 10% of tetrachloro, resorcinol, and dissolving said compound in and reacting said compound with the rosin by heating the mixture out of contact with the atmosphere between about 200° C. and 350° C., but not above the temperature at which appreciable destructive distillation occurs under the conditions of the treatment, the heating being continued until the resultant mixture has reduced acid value and melting point as compared with the acid value and melting point of the same rosin heated to the same temperature under the same treatment conditions but without a decarboxylation promoting agent.

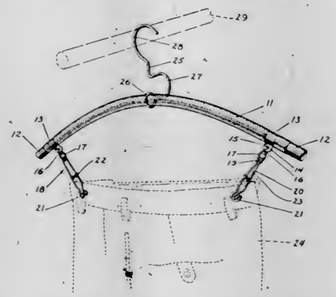
2,380,142
HYDROGENATED KETONE RESINS
Seaver A. Ballard, Berkeley, and Vernon E. Haury, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1943, Serial No. 484,654
17 Claims. (Cl. 260—64)

1. In a method of improving color qualities of a resinous condensate obtained by reacting an aldehyde at an elevated temperature in the presence of a condensing agent with a lower aliphatic ketone, having hydrogen on the alpha carbon atom, auto-condensation product which is a substituted Δ^2-cyclohexenone of the formula

$$C_nH_{2[m(k-1)+1]}O$$

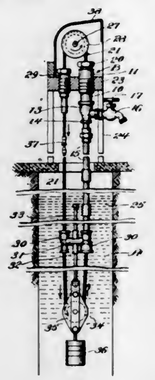
wherein m and k are each integers with m of at least 4 and k of at least 3 and $n=k\times m$, the step which comprises hydrogenating said resinous condensate in the presence of a hydrogenation catalyst.

2,380,143
CLOTHES HANGER
Sidney Frederick Better, New York, N. Y.
Application February 4, 1944, Serial No. 521,095
2 Claims. (Cl. 223—93)



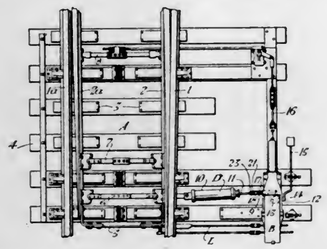
1. In a garment hanger of the character described, a one-piece arcuate member, brackets at each end of said arcuate member slidably mounted thereon, an opening at the base of each of said brackets, links passing through said openings, a wire clamp having an opening to receive said links of each bracket, said clamp having converging corrugated legs, gripping ends and an S-shaped member slidable upon the legs of each of said clamps for spreading and closing said gripping ends, a bent wire hanger hook having one end firmly attached to the center of said arcuate member, and bent to form a horizontal U-shape to receive garment collars and a circular hook for suspending said garment hanger.

2,380,144
PUMP
Hoyt H. Bohannon, Albertville, Ala.
Application September 27, 1944, Serial No. 556,011
5 Claims. (Cl. 103—72)



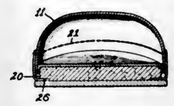
1. A pump of the kind described, comprising a stripper head forming a water collecting chamber, a water lift cable working through the chamber in said head, a wiper diaphragm engaging the cable for stripping water lifted thereby for deposits in the chamber, a discharge faucet on the head and leading from the chamber, power means for operating the cable, means for guiding the cable in its travel, means for holding the cable taut under travel thereof and a standpipe depending from the head into a body of water within a well and having the cable movable therethrough.

2,380,145
RAILWAY SWITCH OPERATING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 12, 1944, Serial No. 522,098
7 Claims. (Cl. 246—291)



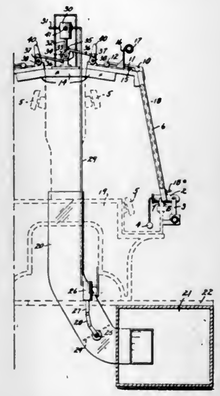
1. The combination with a spring switch connected with a switch operating mechanism through means including an operating rod normally in tension but subjected to sudden reversals in the force applied thereto while a train is trailing the switch which reversals at times cause the rod to be in compression, of stop means operatively associated with said operating rod and adjusted to prevent movement of said operating rod toward said switch operating mechanism beyond the extreme position to which it is normally moved by said switch operating mechanism to move the switch points to their normal set positions, said stop means being wholly independent of any of the operating parts of said switch operating mechanism.

2,380,146
SHOE CONSTRUCTION
Walter Braun, Los Angeles, Calif.
Application September 1, 1942, Serial No. 456,899
2 Claims. (Cl. 36—19.5)



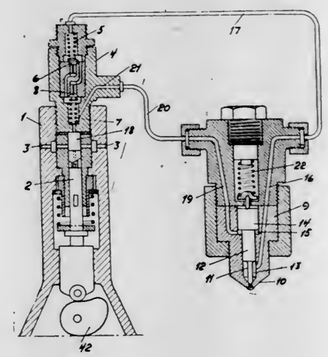
1. A shoe construction embodying a relatively thick platform, an upper and a soft flexible insole stitched together, the latter overlying the platform with the edge portion of the insole turned down against the outside edge portion of the platform and the lower edge portion of the upper lying flat against the turned down edge portion of the insole, and a combined mudguard and platform cover strip the upper edge of which is secured to the upper at a substantial distance above the seam joining the upper and insole and also substantially above the upper surface of the insole itself and lying flat against said upper throughout the area common to both, with the lower edge of said cover strip turned under and secured to the lower face of the platform whereby the seam joining the upper and insole as well as the lower portion of the upper is covered by the cover strip and protected against abrasion, moisture and other deteriorating effects, and an outsole attached to the lower surface of the platform and in-turned edges of said cover strip.

2,380,147
SPINNING MACHINE CONTROL
James J. Burke, Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 17, 1942, Serial No. 447,445
6 Claims. (Cl. 18—8)



1. In a machine for spinning rayon and the like, means for substantially enclosing a region of the machine to thereby hinder the escape of gases or vapors to the surrounding atmosphere of the spinning room comprising readily openable members to afford access to portions of the machine, a duct system communicating with the enclosed region, fan means for continuously withdrawing gases and vapors through the duct system from the enclosed region of the machine, damper means in the duct system for controlling the withdrawal, and means operated by said members for increasing and decreasing the extent of opening of said damper means when said enclosure is opened and closed respectively by said members.

2,380,148
FUEL INJECTING MEANS FOR INTERNAL-COMBUSTION ENGINES
Hilding Gunnar Camner, Ektorp, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden
Application July 3, 1941, Serial No. 400,946
In Sweden July 8, 1940
11 Claims. (Cl. 299—107.2)

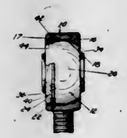


1. A fuel injection device including a fuel pump of the kind operative to provide a rising fuel pressure and then a sudden pressure drop, a fuel injection valve housing having means forming an injection chamber and a passageway leading from said chamber to injection ports, a valve member movable in said housing and so associated with valve seat means in said passageway as to control flow of fuel through said passageway, loading means acting on said valve member in such a direction as to close said passageway, means providing a communication between said injection chamber and the working space of the pump, means forming a second chamber in said housing separate from said injection chamber, means connecting said second chamber with the working space of the pump, pressure responsive means movable in said second chamber and exposed through said connecting means to fuel pressure from the working space of the pump, said pressure responsive means being associated with said valve member to exert thereon in response to rising pressure in said second chamber an opening force acting in opposition to the closing force exerted thereon by said loading means and operative upon such rising pressure to cause said valve member to move to open said passageway, said opening force being reduced by flow of fuel from said second chamber to the working space of the pump upon said sudden pressure drop in said working space to thereby render said loading means effective for closing said valve member, and a valve device in communication with the injection chamber and the working space of the pump to maintain a predetermined minimum fuel pressure in the injection chamber while said passageway is closed.

2,380,149
LIQUID COATING COMPOSITIONS, COATED OBJECTS, AND PROCESSES FOR MAKING SAME
Newcomb K. Chaney, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application December 14, 1940, Serial No. 370,138
17 Claims. (Cl. 117—132)

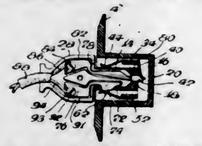
6. A formed film coated article shaped by deformation of a metallic body coated with a dried film comprising the reaction product of a sulfur containing vulcanization agent and a benzene soluble resinous polymer of a material having as substantially the only resin forming content thereof one of a group consisting of (*a*) cyclopentadiene and (*b*) cyclopentadiene admixed with up to 20% methyl cyclopentadiene, said formed film adhering tenaciously to the formed metal.

2,380,150
SPHERICAL SELF-ALIGNMENT BEARING DEVICE
Victor S. Collito, Newark, N. J.
Application September 21, 1943, Serial No. 503,192
3 Claims. (Cl. 308—72)



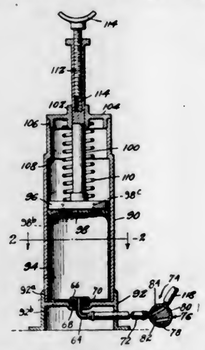
1. In a self-alignment bearing device which has an inner member provided with a spherically convex outer peripheral bearing surface, an outer bearing member having an axial opening therein defined by a cylindrical surface having a diameter at least as large as the maximum diameter of said inner bearing member and by a spherically concave surface continuous with said cylindrical surface and extending axially in a direction away from the inner end of said first mentioned surface, the maximum diameter of said concave surface in a plane at right angles to the axis of said opening being substantially equal to said maximum diameter of said inner bearing member, said inner bearing member being positioned in said opening in movable bearing relation with said spherically concave surface and insertable into said outer bearing member through said opening, said first mentioned surface of said outer bearing member having a groove therein extending peripherally of said surface, and a retaining and complementary bearing member mounted in said cylindrical surface part of said opening in fixed relation to said outer bearing member axially thereof for holding said inner bearing member in said opening, said retaining member having a spherically concave inner surface in relatively movable bearing relation to said spherically convex surface of said inner bearing member and having a peripheral edge portion extending radially into said groove in said outer bearing member, said annular member being formed of spring metal and being split transversely thereof to provide the same with relatively movable ends whereby said annular member is insertable in said outer bearing member in said groove thereof by progressively inserting axially displaced portions of said annular member in said groove.

2,380,151
OUTLET RECEPTACLE AND WALL PLUG
Andrew M. David, Washington, D. C.
Application February 29, 1944, Serial No. 524,467
8 Claims. (Cl. 173—330)



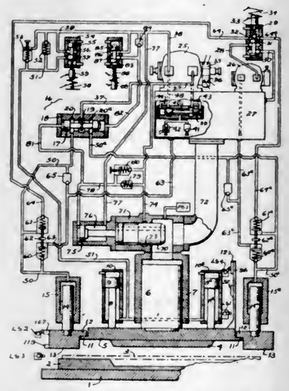
1. An outlet receptacle and single-pronged plug therefor which comprises a body portion of insulating material in said outlet receptacle, a single-pronged plug having a single stem, a forwardly-extending contact member mounted on said stem, a laterally-extending contact member mounted on said stem and projecting outwardly from the surface thereof intermediate the ends of the stem, a transverse cylindrical opening in the body portion of the outlet receptacle extending through the said body portion, a slot in said body portion extending into said transverse opening, said transverse opening being adapted to receive said stem and said slot being adapted to receive said laterally-extending contact member, a spring contact member mounted in said body portion so as to contact with said forwardly-extending contact member when the plug is seated in said transverse opening, a second spring contact member mounted in said body portion adjacent said slot so as to contact with said laterally-extending contact member in the seated position of said plug and cam means on said laterally-extending contact member so as to provide pressure contact with said second spring contact member in the seated position of the plug in the outlet receptacle.

2,380,152
PNEUMATIC POWER DEVICE
Erich David, United States Army
Application April 2, 1942, Serial No. 437,450
2 Claims. (Cl. 254—93)



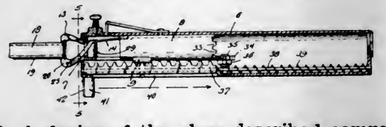
1. A pneumatic jack comprising a hollow cylindrical base provided between its ends with a wall, a cylinder having its lower end positioned in and secured to the base above said wall, a piston slidably mounted in the cylinder and carrying work engaging means, the piston being slightly smaller diametrically than the corresponding inner dimension of the cylinder, a bladder within the cylinder below the piston, a washer of softer material located between the piston and bladder and contacting with the inner wall of the cylinder and embracing the upper end portion of the bladder, the wall of the base being provided with a central depression, an inflating tube for the bladder passing through the side wall of the base and through the depressed portion of the wall of the base, and means for securing the tube to the lower end of the bladder, said means fitting in said depression.

2,380,153
HYDRAULIC DRAW PRESS
Richard E. Davis, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 30, 1941, Serial No. 391,057
12 Claims. (Cl. 113—45)



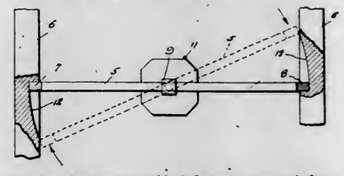
1. In a hydraulic press having a main motor for forcing a die against a work piece, a clamping motor for forcing a clamping member against said work piece and auxiliary motor means for retracting said die, the combination of a main pump for energizing said main motor, an auxiliary pump for energizing said clamping motor, means for directing the output of both pumps to said clamping motor to create pressure therein, means responsive to said pressure reaching a given value for diverting the output of said main pump only to said main motor means for diverting the output of said main pump from said main motor to said auxiliary motor means to retract said die, and means responsive to said die being retracted through a limited distance for connecting said auxiliary pump and said clamping motors to discharge.

2,380,154
HAIR CURLER
Winifred S. Dickerson, Bluefield, W. Va.
Application March 29, 1944, Serial No. 528,583
13 Claims. (Cl. 132—34)



10. A device of the class described comprising a spinner including a casing, a tube rotatably mounted in the casing, means at one end of the tube for attaching a hair winding mandrel thereto, a manually operable reciprocating member carried by the casing, means operatively connecting said member to the other end of the tube for rotatably actuating the latter, said first-named means comprising a pair of mandrel gripping jaws and including a pivoted jaw, and means carried by the casing for actuating said pivoted jaw.

2,380,155
OUTLET BOX HANGER
Theodore C. Divine, Bellevue, Idaho
Application January 27, 1944, Serial No. 519,918
1 Claim. (Cl. 248—57)



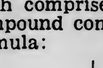
A hanger for an outlet box comprising a collar adapted to be rotatably mounted through the head of an outlet box, a bar for passing through said collar, said bar being of a length adapting it to project from opposite sides of the outlet box and having end portions gradually reduced in thickness transversely thereof from upper and lower faces to form longitudinally extending blades, each having a cutting edge along one side, the cutting edges of said blades being at opposite side edges of the bar, whereby the bar may be swung transversely between floor beams and its blades cut their way into side faces of the beams to mount the bar between the beam.

2,380,156
WELL DRILLING
William M. Dobson and Albert L. Frye, Long Beach, and Truman A. Griggs, San Pedro, Calif., assignors to Richfield Oil Corporation, Los Angeles, Calif., a corporation of New Jersey
No Drawing. Application June 10, 1941, Serial No. 397,384
2 Claims. (Cl. 252—8.5)

1. The process of circulating an aqueous drilling fluid in a well and forming a substantially impervious sheath on the walls of the bore hole which comprises preparing an aqueous suspension of clay, adding from 5 to 95 percent of an emulsion of asphalt thereto to form an oil-in-water emulsion, circulating the suspension whereby its ability to form an impervious sheath is decreased and adding additional emulsion of asphalt thereto.

2,380,157
PRODUCTION OF CELLULOSE DERIVATIVES
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 20, 1942, Serial No. 443,806. In Great Britain May 16, 1941
11 Claims. (Cl. 8—116.2)

1. Process for the treatment of cellulosic materials which comprises reacting them with an organic compound containing two radicles having the formula:



2,380,158
METHOD OF PREPARING A COCOA EXTRACT
Hans Konrad Durrenmatt, Marysville, Ohio, and Jean de Schoulepnikow, Glenbrook, Conn., assignors to Inredeco, Inc., Panama City, Panama, a corporation of Panama
No Drawing. Application October 21, 1942, Serial No. 462,816
4 Claims. (Cl. 99—23)

1. A method of making a water-soluble cacao extract, which consists in treating broken and

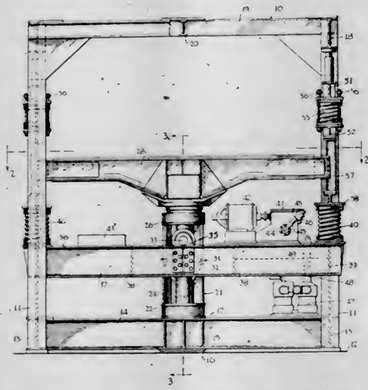
non-adherent cacao nibs which contain substantially all their original fat, with sufficient water and at a sufficiently high temperature to hydrolyze the starch and at least a major proportion of the hemi-celluloses of said nibs and to dissolve said hydrolyzed products out of said nibs, while leaving substantially all the fat in said broken nibs, clarifying and alkalizing said aqueous extract, and heating said clarified and aqueous extract in the presence of oxygen, until the cocoa-red color is developed.

2,380,159

ENDURANCE TESTING METHOD AND MACHINE, ESPECIALLY FOR VEHICLE BODY BOLSTERS

Rupen Eksergian, Media, Pa., assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 1, 1943, Serial No. 474,258
13 Claims. (Cl. 73—100)



1. Endurance testing machine comprising a rigid supporting structure, a central support for a test specimen, a walking beam supported by said structure and journalled thereto about a horizontal axis, resilient means such as springs arranged on said walking beam on either side of said axis and adapted to engage a test specimen from one of its sides, two further resilient means such as springs resting against said frame structure and adapted to engage the opposite side of a test specimen, means for forcing said resilient means toward each other and against said two sides of a test specimen and thereby the test specimen against the central support, and means for imparting oscillatory movement about said axis to said walking beam.

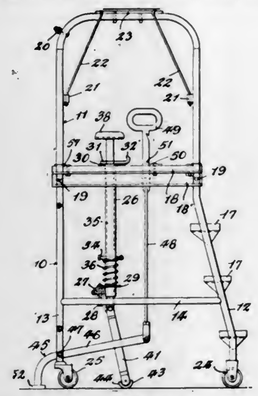
2,380,160

PROPELLED AND STEERED STEP STAND

Robert W. Fieroh, Chicago, Ill.

Application June 29, 1943, Serial No. 492,755
4 Claims. (Cl. 304—9)

4. A propelled and steered step stand comprising an upright frame work having front and rear legs, a platform mounted betwen said front and rear legs, a longitudinally extended strut connecting respective front and rear legs, a strut extended transversely across said last named strut and fixed thereto, a tube rotatably extended through said platform of a length to be rotatably supported by said transverse strut, means on the upper end of the tube for manually turning the tube, a shaft reciprocably mounted in the tube and having a foot rest at its upper end, positioned above the platform, a leg pivotally mounted on the lower end of the shaft, a foot pivotally mounted on the leg for contacting engagement with a supporting surface, said leg normally having a position inclined to the vertical axis of the shaft, spring means for holding the shaft, leg and foot in raised inoperative position, fixed casters on the lower extremities of the front legs and swivelled casters on the rear legs.

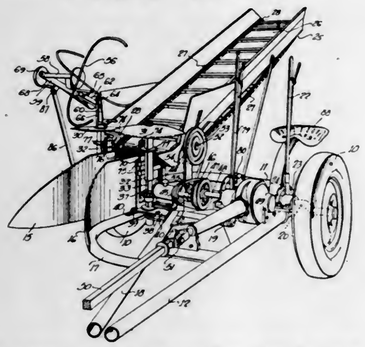


2,380,161

ROW CROP HEADER

Cyril M. Flook, Garland, Tex., assignor of one-fourth to Earl Hogge, one-fourth to H. A. Shugart, and one-fourth to W. M. Herring, Garland, Tex.

Application October 18, 1943, Serial No. 506,677
5 Claims. (Cl. 56—15)



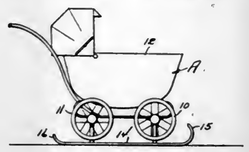
1. A machine for harvesting head crops comprising a wheeled frame capable of height adjustment, a pair of cooperating cutting discs mounted upon telescopically related shaft sections rising from said frame, means for rotating one of said shafts to impart rotation to the disc mounted thereon, a circular flange carried by each of the movable sections of said shafts, a vertically movable bar adjacent each of said sectional shafts, a second shaft having link connection with each of said bars and oscillatable to actuate said bars, rollers mounted in spaced relation on said bars and engageable with each face of said circular flanges to effect vertical adjustment of said discs, a reel operable over said discs and means connecting said second shaft and the mounting of said reel to effect vertical adjustment thereof simultaneously with that of said discs.

2,380,162

SNOW RUNNER FOR BABY CARRIAGES

Charles E. Germain, Worcester, Mass.

Application December 17, 1943, Serial No. 514,713
1 Claim. (Cl. 280—8)



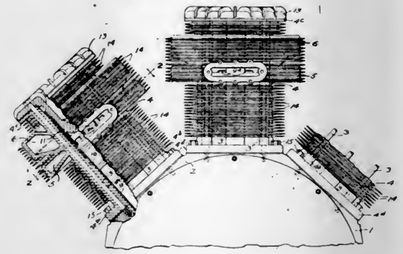
A detachable clamp for holding the standards of sled runners on the axles of a baby carriage of the type having wheels and square axles from which the sled runners are supported, comprising a pair of parallel, spaced blocks fixed on each side of the sled runner standards and extending upwardly to engage the axle fore and aft, a plate hingedly connected to one block and extending across the tops of the blocks over and in contact with the top of the axle, a downturned slotted ear on the hinged plate, and a screw and nut carried by the other block to engage in the slot to clamp the plate in locking engagement with respect to the axle.

2,380,163

INTERNAL-COMBUSTION ENGINE

Clifford S. Goby, Cleveland, Ohio, assignor of one-half to Frank Kramer, Cleveland Heights, Ohio

Original application November 13, 1939, Serial No. 303,942, now Patent No. 2,316,160, dated April 13, 1943. Divided and this application October 14, 1942, Serial No. 461,987
2 Claims. (Cl. 123—193)



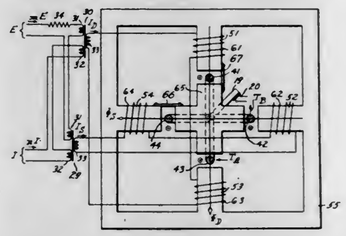
1. The combination, with a crankcase provided with a cylinder-supporting base, a casing having an outwardly projecting bottom flange adapted to be secured to and upon said base and an outwardly projecting top flange, and a head provided with a flange adapted to overlie the top flange of the casing, the said casing being provided with a circumferential series of inlet ports extending substantiallly therearound and with a circumferential series of exhaust ports extending substantially therearound and spaced longitudinally of the casing from the series of inlet ports, the ports in each said series being separated by segments of said casing and the segments of the casing which are interposed between the ports of one series registering longitudinally of the casing with the segments interposed between the ports of the other series, of means for anchoring the said head and casing to the said base, the said means comprising hollow bosses formed on the outer wall of the casing, and including the aforesaid segments thereof and each of the said bosses extending uninterruptedly between and in proximity to the top and bottom flanges of the casing, and bolts extending through the bores of said bosses and the casing flanges and the cylinder head flange and into the base and connecting the casing and the cylinder head with the said base.

2,380,164

LOOP-TYPE IMPEDANCE RELAY OR THE LIKE

Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 22, 1943, Serial No. 503,367
11 Claims. (Cl. 175—294)



1. A substantially non-vibratory, product-responsive, single-phase, torque-producing relay-element adapted for use on an alternating-current system and comprising a stator member and a rotor member, one of said members comprising four successive windings of an electrically excited magnetizable element, the other of said members comprising two mechanically connected loops A and B, first- and third-winding exciting-means of said electrically excited magnetizable element for causing one alternating flux to enter at one loop-side of loop A and leave at the other loopside of loop A, interlinking through loop B in the process, and second- and fourth-winding exciting-means of said electrically excited magnetizable element for causing another alternating flux to enter at one loop-side of loop B and leave at the other loop-side of loop B, interlinking through loop A in the process, the exciting-means which produces at least one of said fluxes being responsive to the vectorial sum of an alternating-current function of a line-current and an alternating-current function of a line-voltage.

2,380,165

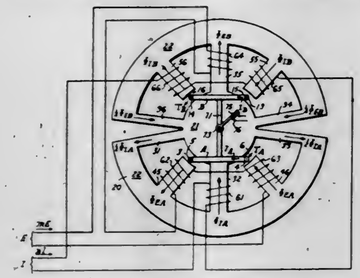
DOUBLE-LOOP DIRECTIONAL ELEMENT

Shirley L. Goldsborough, Basking Ridge, and Arthur C. Mehring, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 22, 1943, Serial No. 503,366
12 Claims. (Cl. 175—294)

1. A substantially non-vibrating single-phase torque-producing electro-responsive device comprising a relatively stationary flux-producing means for producing a first alternating flux or fluxes in response to a first electrical quantity and a second alternating flux or fluxes in response to a second electrical quantity, said flux-producing means comprising magnetic circuits for said fluxes, at least some of said magnetic circuits having an airgap or airgaps; and a relatively movable member comprising means, in said airgap or airgaps, for providing first and second closed paths for circulating currents, a first circulating-

current path being so disposed that it is interlinked by a first flux while its circulating current flows in an airgap or airgaps of a second flux, and



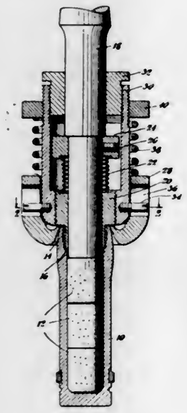
a second circulating-current path being so disposed that it is interlinked by a second flux while its circulating current flows in an airgap or airgaps of a first flux.

2,380,166
EMULSIONS
William C. Griffin, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1941, Serial No. 395,392
18 Claims. (Cl. 252—311.5)

10. An emulsion comprising wax; water; and a mixed emulsifier comprising a lipophilic partial ester of a fatty acid with at least 12 carbon atoms and a hydrophilic compound selected from the group consisting of polyhydric alcohols, polyhydroxylic cyclic inner ethers of polyhydric alcohols, polyhydroxylic external ethers of polyhydric alcohols, polyhydroxylic external ethers of polyhydroxylic cyclic inner ethers of polyhydric alcohols, and a highly hydrophilic hydroxy-polyoxyethylene ether of a lipophilic partial ester of a fatty acid with at least 12 carbon atoms and a hydrophilic compound selected from the said group, said hydroxy-polyoxyethylene ether containing from 10 to 30 oxyethylene groups, and the ratio of the oxyethylene groups in the hydroxy-polyoxyethylene ether to total ester groups (both in the free ester and in the hydroxy-polyoxyethylene ether) being from about 1.5 to 9.0.

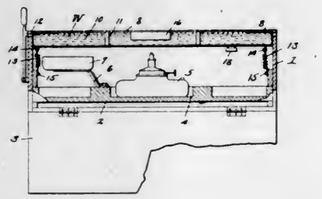
2,380,167
LOADING MACHINE
Forrest D. Grim, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
Application February 3, 1942, Serial No. 429,355
2 Claims. (Cl. 86—29)

1. A machine for pressing a charge in a rigid container having a charging end provided with an interiorly shouldered wall and a mouth opening upwardly during the pressing operation, the machine comprising a punch serving as the pressing unit upon the said charge; a guide member for the punch fitting around the punch and holding the punch centrally therewithin; an extension of the guide member that at its lower end is smaller in internal diameter than the said mouth at its most narrow portion, extends into the said mouth, and fits in sealing relation against the shoulder of the said wall; a coil spring disposed directly around the punch and resting upon the said guide member; a spring stop mounted upon the punch at a position above the guide member and engaging the top of the said spring; a guide collar for the container mounted slidably and centrally around the said guide member, the guide collar defining with the guide member a generally annular space to receive the charging end of the container; a second coil spring weaker than the first spring resting upon the guide collar; a second spring stop mounted upon the guide member at a position directly above the second spring; and means for forcing the punch downward through



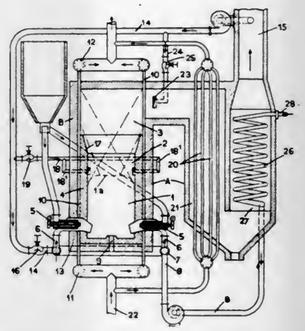
the guide member and upon the charge in the container; the downward movement of the punch compressing the second spring, causing the guide collar to become seated upon the container, applying pressure through the first spring directly upon the punch guide member as the punch continues its downward travel, causing sealing contact of the lower end of the said extension of the guide member with the shoulder of the wall of the container, compressing the first spring, and causing the punch to enter the container.

2,380,168
BLOOD TESTING APPARATUS
Cecil James Guthrie, Kansas City, Kans.
Application August 10, 1944, Serial No. 548,906
3 Claims. (Cl. 73—432)



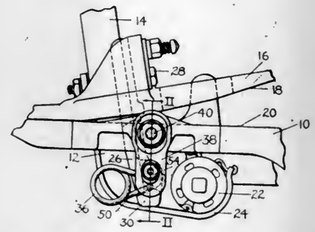
3. Blood testing apparatus including a casing, a water tank pivotally mounted in the casing, a test plate joined to and constituting the top of the tank, tensioned springs connecting the tank and casing for maintaining the plate normally in a substantially horizontal position, and means extending from the plate for actuation by the user to rock the tank and plate against the action of the springs.

2,380,169
GAS HEATER
Hans Gygi, Wildegg, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application October 26, 1943, Serial No. 507,691
In Switzerland December 31, 1942
5 Claims. (Cl. 110—28)



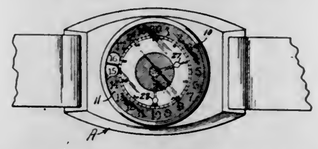
1. In a high temperature gas heating furnace, the combination of means forming a furnace chamber including a combustion space at one end, a radiation space at the other end and an intermediate mixing passage; surface heat-exchange means arranged for the passage therethrough of the gas to the be heated and located at least in part in the radiation space in the path of radiant heat passing through the mixing passage from the combustion space; at least one pulverized fuel burner directed into said combustion space and arranged to develop therein temperatures such as to fuse the ash of the fuel; and means for limiting the transfer of heat from the combustion space to the radiation space, comprising means for delivering relatively cool products of combustion to said mixing passage.

2,380,170
PICKING MECHANISM
Wallace Hamilton, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 27, 1944, Serial No. 537,755
6 Claims. (Cl. 139—150)



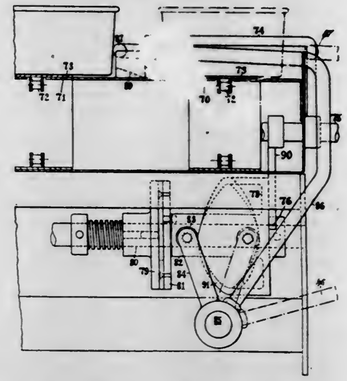
1. In a loom, the combination of a parallel having an opening therein, a curved shoe rocking on said parallel, a picker stick fixed in an opening in said shoe and extending through the opening in said parallel, a parallel tongue fixed to the lower end portion of said picker stick, an abutment on the lower end of said tongue, and resilient means interposed between said parallel and said abutment on said tongue to prevent jumping of said curved shoe and picker stick at one limit of its rocking movement.

2,380,171
TIME INDICATING MECHANISM
Nathan Hammer, New York, N. Y.
Application August 3, 1944, Serial No. 547,864
3 Claims. (Cl. 58—126)



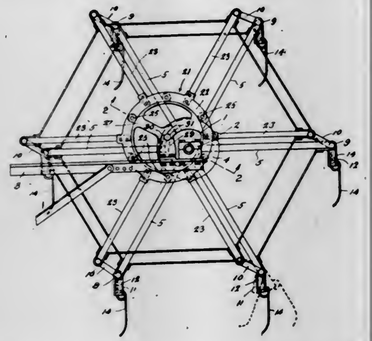
1. A time indicating mechanism for a watch, clock or the like, having time shafts, a time dial having outer and inner time zones, each provided with time denoting indicia, a disk fixed to one of the said shafts and provided with a transparent portion overlying said inner zone, and an opaque portion having a double paneled transparent window overlying the outer zone for making visible singly and double progressively the indicia in the latter, and indicator hands fixed to the other shafts and overlying the inner zone for co-action with the time indicia therein and visible through the transparent portion of the said disk.

2,380,172
CONVEYING MEANS
Laurence Seymour Harber, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England
Application May 25, 1942, Serial No. 444,420
In Great Britain June 11, 1941
1 Claim. (Cl. 198—21)



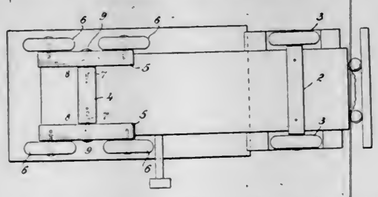
In the manufacture of tin bread, a pair of tin conveyors having conveying laps arranged side by side, means for imparting continuous movements to the conveyors so that said laps move in opposite directions, a rock shaft mounted on an axis parallel to the direction of travel of said conveyors, a pusher arm secured to said rock shaft and having a part movable in a path across the conveyor for transferring a tin from one conveyor to the other, a rotary cam, a rocker arm on said shaft and engaging the cam, slip friction means for intermittently driving the cam, a detent on said cam, a catch normally engaging the detent to prevent rotation of the cam, a trigger controlling said catch and located in the path of the tins on the conveyor from which the transfer is to take place, said trigger automatically removing said catch when a tin arrives in the transfer position and engages said trigger.

2,380,173
HARVESTER REEL
William H. Harrison, Spokane, Wash.
Application June 28, 1943, Serial No. 492,565
3 Claims. (Cl. 56—226)



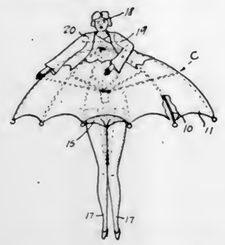
1. In a harvester reel, a rotary drive shaft, hubs carried by said shaft, spokes extending radially from said hubs, rocker shafts carried by said spokes, bats connected with said rocker shafts and suspended therefrom, crank arms for said rocker shafts, a ring eccentrically mounted on said drive shaft and movable about the same to adjusted positions, a spider rotatably mounted about said ring and having radiating arms pivoted at their outer ends to the crank arms for turning the rocker shafts and maintaining the bats substantially vertical during rotation of the reel, said spider consisting of spaced discs and rollers rotatably mounted between the discs, the rollers having their peripheral edge faces V-shaped in cross section and engaging a similarly shaped edge face of the eccentric ring to prevent the rollers from slipping out of engagement with the eccentric ring, and means for releasably securing the eccentric ring in a set position.

2,380,174
TOY
Kenneth Edgar Haselton, Athol, Mass., assignor to The N. D. Cass Co., Athol, Mass., a corporation of Massachusetts
Application January 25, 1945, Serial No. 574,495
2 Claims. (Cl. 46—201)



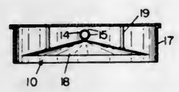
1. A pull toy comprising a body, a front axle block secured to the bottom of the body adjacent the front thereof, nails having portions protruding from the ends of said block, wheels rotatably mounted on said nails, a rear axle block secured to the bottom of the body adjacent the rear thereof, nails having portions protruding from the ends of the rear axle block, a bogie pivotally mounted on each of the nails protruding from the rear axle block, a nail having a portion protruding outwardly from each end portion of each bogie, and a wheel rotatably mounted on each of said last-mentioned nails.

2,380,175
UMBRELLA DOLL
Mary C. Hawkey, Philadelphia, Pa.
Application October 30, 1943, Serial No. 508,306
3 Claims. (Cl. 46—151)



1. In a doll of the character described, a stem, a canopy carried by said stem including supporting ribs and a fabric, a slide on said stem, supporting arms attached to said ribs and gathered at and secured to said slide, a doll body structure carried by the lower end of said stem and providing a recess about said stem adapted to receive said slide, and arms and doll body structure carried by upper end of said stem exteriorly of said canopy.

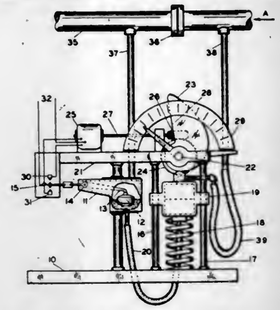
2,380,176
GAS DIFFUSION MEANS FOR LIQUID STORAGE TANKS
Sigurd T. Helseth and Stanley T. Fauver, Painesville, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 20, 1942, Serial No. 427,528
4 Claims. (Cl. 299—121)



1. Gas diffusing apparatus comprising a conduit having at least one upwardly extending gas discharge opening, a generally concave deflector positioned above said gas discharge opening, and gas disseminating means positioned within said deflector and extending across at least a part of the open end of said deflector, said gas-disseminating means having a substantial portion of its surface positioned at a level no lower than the bottom edge of said deflector, said gas discharge opening of said conduit being positioned between said deflector and said disseminating means and above the bottom edge of said generally concave deflector.

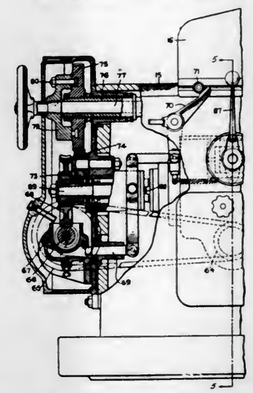
2,380,177
NULL-TYPE FLUID MANOMETER SYSTEM
James R. Hicks, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application October 8, 1942, Serial No. 461,312
15 Claims. (Cl. 73—205)

1. Apparatus for producing an effect corresponding with a variable magnitude constituting a function of a differential pressure, said apparatus comprising a liquid type manometer adapted to respond to said differential pressure and having a fixed reservoir and a vertically movable reservoir, means responsive to vertical displacement of the surface of liquid in said fixed reservoir from a predetermined level for actuating said movable reservoir in a sense and to an extent to return



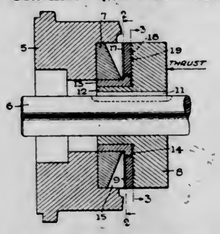
said surface to said level, a movable element, and means for positioning said element as an incident to movement of said movable reservoir.

2,380,178
MACHINE FOR CUTTING TUBULAR MEMBERS INTO RINGS
John William Howlett, London, England, assignor to Wellworthy Piston Rings Limited, London, England
Application October 7, 1940, Serial No. 505,368
In Great Britain December 22, 1942
3 Claims. (Cl. 29—70)



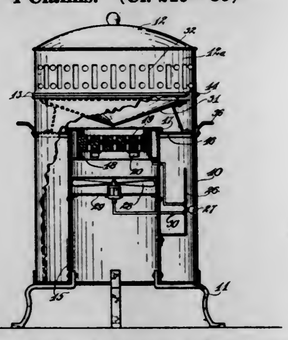
1. A machine for cutting a metal tubular member into rings, including a rotatable spindle, axially-spaced circular cutters carried by said spindle, and, parallel thereto, a second rotatable spindle, for supporting the tubular member, a slide supporting said second spindle, said slide operated by a lead screw and nut for feeding purposes, a gear for said lead screw, a double-acting clutch device for effecting through said lead screw gear a high-speed return of said slide or a high-speed forward travel thereof prior to cutting, a worm gear for driving said lead screw gear for the slow-rate feed, said worm gear incorporating a drop-out worm releasable when the high-speed motion of said slide is required, said clutch device and said worm being driven from a common driving means respectively through a bevel gear and a pair of oppositely disposed bevel pinions on the one hand and through a pick-off gear pair on the other hand, and means biasing said double-acting clutch device to the neutral position, said device being adapted to slip if engaged while said drop-out worm is in mesh with its coacting worm wheel.

2,380,179
THRUST BEARING
Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application August 13, 1943, Serial No. 498,479
7 Claims. (Cl. 308—160)



1. A thrust bearing comprising opposed relatively rotatable thrust members and an interposed creep plate, said members having interrupted bearing surfaces comprising alternating bearing areas and relieved areas similarly arranged on the opposed faces of the thrust members, relieved areas on each member being larger than bearing areas on the other member periodically opposed thereto, whereby the interposed creep plate is subjected to intermittent flexing stresses as the thrust members rotate.

2,380,180
ELECTRIC HEATER
Theodore P. Kouvallis, Chicago, Ill.
Application October 23, 1943, Serial No. 507,435
4 Claims. (Cl. 219—39)

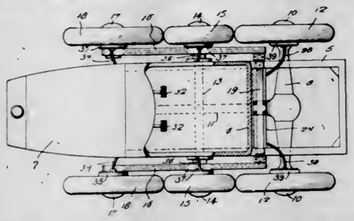


1. An electric heater comprising an enclosure open at the top and bottom, a filler in the enclosure and having perforations, and a series of electrical heating elements carried by the filler in the zone of said perforations, said filler being horizontal and with channels in its bottom communicating with said perforations, and said elements seating with some parts in said channels and bridging said perforations with other parts.

2,380,181
FRONT WHEEL DRIVE FOR VEHICLES
Alvin T. Krenzien, Norfolk, Nebr.
Application April 11, 1944, Serial No. 530,521
3 Claims. (Cl. 180—74)

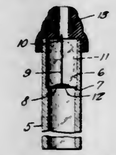
1. A motor driven vehicle comprising rear driven wheels one at each side of the vehicle, an axle extending transversely of the vehicle forwardly of the rear wheels, rocker arms pivotally mounted intermediate their ends on said axle and extending longitudinally at each side of the vehicle, front wheels mounted freely rotatable on

the front ends of said arms, spring means connected supportedly to the rear ends of the arms, and idler wheels mounted freely rotatable on said



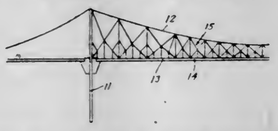
transverse axle forwardly of the rear wheels and positioned in frictional engagement with said front and rear wheels.

2,380,182
INHALER
Joseph A. La Bille, Chicago, Ill.
Application April 8, 1940, Serial No. 328,555
1 Claim. (Cl. 128—185)



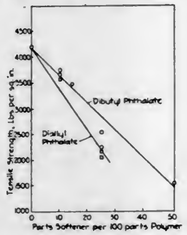
In an inhaler, a tubular body member having the bore thereof enlarged in the forward end portion so as to form an annular seat therein, a nipple attached to the forward end of the body member having a reduced bore co-axial with the bore of the body, a flat open mesh disk mounted transversely within the tubular body having diametrically opposed marginal portions seated on the said annular seat, the said disk having opposite marginal portions bent to form forwardly directed flanges, a pin having its inner end fixed to the center of the disk and extending axially of the tubular body, the said pin having its outer end tapered to a point disposed to project into the reduced bore of the nipple, and a porous medicament saturated body impaled upon the said pin and pressingly held thereon within the tubular body between the nipple and the disk.

2,380,183
BRIDGE AND HANGER SYSTEM
George A. Maney, Evanston, Ill.
Application March 6, 1941, Serial No. 382,039
6 Claims. (Cl. 14—18)



6. A bridge having a suspension system for the floor thereof comprising vertical and oblique members, such members forming a continuous web with each vertical member intersecting a pair of oblique members at or near the floor, said suspension system including means for distributing the dead load of the bridge floor in a statically determinate manner, said means causing the oblique members of a pair to be prestressed an amount equal to the dead load of the floor at the point of intersection.

2,380,184
SYNTHETIC RUBBER COMPOSITIONS
Kenneth E. Marple, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 6, 1942, Serial No. 464,935
8 Claims. (Cl. 260—36)

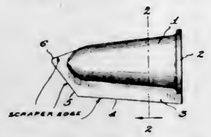


1. A composition of matter containing a rubber-like polymer from the class consisting of polymerizates of butadiene and copolymers of butadiene and another polymerizable compound containing an olefinic linkage, and as softening agent therefor, a neutral polycarboxylic acid ester of an open chain monohydric unsaturated alcohol which alcohol contains an olefinic linkage between two carbon atoms, one of which carbon atoms is linked directly to a saturated carbon atom to which in turn is linked the hydroxyl group.

2,380,185
PRODUCTION OF HYDROXY ETHERS
Kenneth E. Marple, Edward C. Shokal, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 6, 1942, Serial No. 464,936
9 Claims. (Cl. 260—615)

7. A process for the production of a hydroxy ether which comprises reacting an epoxide compound with a monohydric alcohol in the presence of a stannic halide-alcohol complex.

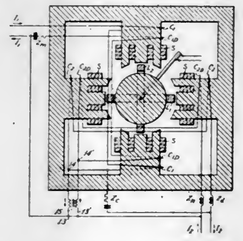
2,380,186
SCRAPER FOR POTS, PANS, AND THE LIKE
Beatrice S. Mayer, New Rochelle, N. Y.
Application March 21, 1944, Serial No. 527,417
1 Claim. (Cl. 15—236)



A scraper for pots, pans and the like comprising a relatively rigid frusto conical thimble closed at its smaller end and adapted to fit over the finger of the user to enclose and protect the finger against injury, and a relatively thin rigid scraper blade projecting radially from said thimble and extending uninterruptedly along at least one side and across the closed end thereof, said blade having a succession of straight scraping edges consecutively in angular relation to one another and forming at their juncture scraper points, said straight scraping edges being of different lengths, with the longest scraping edge extending longitudinally of the thimble from the open end thereof to and terminating near the closed end thereof and of a length approximately the same as the

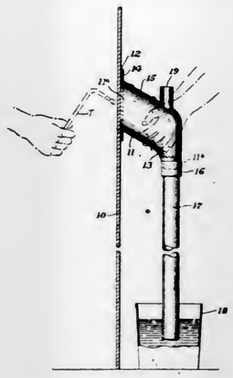
length of the thimble, and the adjacent shorter scraping edge extending from said longest scraping edge to substantially the axis of said thimble and all of said edges lying in a plane including the axis of the thimble.

2,380,187
UNIVERSAL HIGH-SPEED DIRECTIONAL RELAY
Arthur C. Mehring, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1944, Serial No. 517,966
16 Claims. (Cl. 175—294)



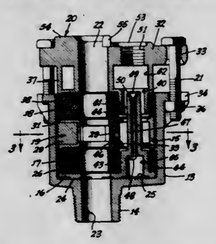
1. An alternating-current torque-producing device for directionally and differentially responding to two alternating relaying currents having the same frequency and having relative magnitudes and phase-relations which are subject to change, said device comprising a product-responsive element having two flux-producing winding-means for respectively producing two alternating magnetic fluxes, said fluxes being so cooperatively disposed as to produce a torque in response to the product of said two fluxes, multiplied by a function of the angle between them, and electrical means for so energizing said two flux-producing means that the respective fluxes are responsive to the respective relaying currents, and at least one of the fluxes is responsive also to the difference between the two relaying currents.

2,380,188
SPARK AND SLUG CATCHING CHUTE
Edward G. O'Connor, New York, N. Y.
Application December 20, 1943, Serial No. 515,069
6 Claims. (Cl. 193—2)



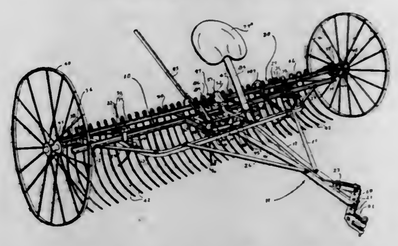
1. A portable device to be disposed against the partition being cut and moved along the path of the cutting torch to receive sparks and slugs and to transfer them to a water-filled receptacle or like quenching means, said device comprising a hollow head having an inlet port to be disposed against the partition when it is being cut, an outlet port, a window in said head to enable the operator to see the path of the tool, and a conduit connected to said outlet port to effect communication between said head and said receptacle.

2,380,189
STUFFING BOX
James P. Ratigan, Los Angeles, Calif.
Application July 28, 1941, Serial No. 404,259
8 Claims. (Cl. 286—27)



1. In a stuffing box for providing a fluid seal between a vertically disposed reciprocating rod and a conduit surrounding said rod and confining therein oil under pressure, the combination of: a body member secured to the upper end of said conduit and defining a stuffing box chamber through which said rod is extended; a pair of sealing members in said chamber surrounding said rod for providing a fluid seal between said rod and said body; means spacing said sealing members axially of each other; means for conducting oil from said conduit to the space between said sealing members; and passage means around the uppermost one of said sealing members for conducting oil from said space to the surface of said rod at a point above said uppermost one of said sealing members.

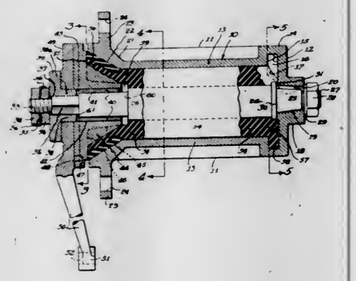
2,380,190
DUMP RAKE
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application May 2, 1942, Serial No. 441,439
5 Claims. (Cl. 56—27)



1. In a tractor drawn dump rake having a head, rake teeth and carrying wheels, means engaging the wheels for rotating the head for dumping the rake, a toggle for holding the teeth in ground engaging position, said toggle being proportioned to go over-center when in holding position, a curved member connected for controlling said toggle, a rock shaft controlled from a position on the tractor, a tongue on said rock shaft positioned to swing within the curve of said

curved member and adapted in one position to maintain said curved member in a position to maintain said toggle in said over-center position, and said tongue when swinging in said curved portion passing from said position in a path to contact said curved portion after leaving said position and to move it in a manner to shift said toggle out of said over-center position, and means connected with said rock shaft for actuating said wheel engaging means after said toggle has been moved out of said over-center position.

2,380,191
SHOCK ABSORBER
Claude Sauzedde, Detroit, Mich.
Application February 2, 1942, Serial No. 429,177
18 Claims. (Cl. 267—21)

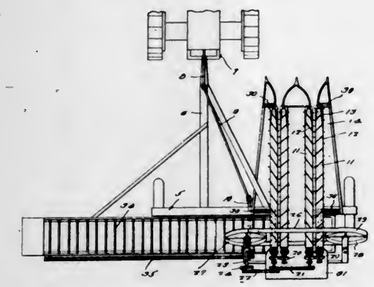


1. In a shock absorber, an elongated hollow casing having an annular recess at one end thereof, an elongated tubular body of rubber-like material secured near one end to said casing within said recess, a shaft secured to said casing and extending concentric therewith, a rotary operating member rotatably mounted on said shaft and secured to said rubber-like body near the other end thereof and operable to torsionally twist said body about said shaft, and means responsive to the twisting of said rubber-like body for braking the motion of said operating member.

2,380,192
ROSIN MODIFIED PHENOL-ALDEHYDE RESIN
Raymond F. Schlaanstine, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1942, Serial No. 436,834
1 Claim. (Cl. 260—20)

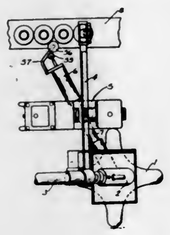
A pale drying oil varnish with a color no greater than 3L Hellige, characterized by color stability, consisting of a heat-bodied mixture of linseed oil and resin in the proportion of about 100 pounds of resin per 25 gallons of oil, and suitable mineral spirits thinner, the resin being the pale heat-reaction product of 100 parts of rosin acid crystals crystallized from wood rosin and having an acid number of about 183 and a neutral body content of less than 1%, 3.5 parts of maleic anhydride, 15 parts of resinous condensate of para-tertiary-amyl phenol and formalin prepared by refluxing the latter two substances in a ratio of about 1.8 to 1 first with acetic acid and then with sodium hydroxide, and 14 parts of pentaerythritol, reacted until the said resin has an acid number of about 15.

2,380,193
HARVESTING MACHINE
Harry R. Scott, King City, Calif.
Application October 21, 1943, Serial No. 507,143
4 Claims. (Cl. 146—85)



1. A harvester of the character described comprising crop elevating means, a feeding device for carrying the elevated crop and an endless cutting device operating transversely of the elevating means and adapted for topping the crop as it is elevated and fed to said cutting device, said endless cutter being in the form of a band saw and common drive means for the band saw, and said elevating means.

2,380,194
CLOSURE FEEDING AND EMBOSSING MECHANISM
John E. Sharp, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 7, 1943, Serial No. 482,136
8 Claims. (Cl. 101—4)



1. In a closure feeding mechanism having a closure chute and a closure picking unit for discharging closures thereinto, the combination of a closure marking die and punch diametrically disposed on either side of said chute, means for effecting axial relative movement between said die and punch to mark closures, an escapement device projecting into said chute for positioning closures to be marked between said die and punch and for releasing the marked closures down said chute to containers, and means controlled by the presentation movement of containers to said closure feeding mechanism for simultaneously actuating said closure picking unit and said relative movement effecting means and for thereafter actuating said escapement device to position a closure for the next succeeding marking operation.

2,380,195
SAFETY PAPER AND INK THEREFOR
Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York
No Drawing. Application May 19, 1942, Serial No. 443,647
8 Claims. (Cl. 117—1)

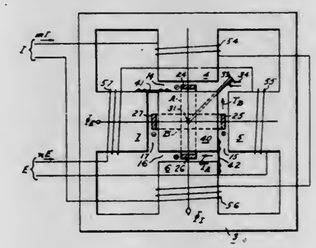
1. A safety paper bearing an alteration-indicating composition comprising a film-forming vehicle, a normally-colorless dye which develops color when subjected to the action of ink eradicators for indicating attempted alteration thereof and tending to develop color prematurely due to hydrolysis upon increase in pH when in contact with the paper and an acid-reacting non-volatile buffering agent which is an organic compound containing an inorganic acid radical selected from a class consisting of the phospho and sulfo radicals, soluble in and compatible with said vehicle when in the form of a dry film and adapted to stabilize the pH of said composition at a value below that of the paper and below the point producing hydrolysis of the dye and inert towards the dye.

2,380,196
PROCESS FOR THE PREPARATION OF TARTARIC ACID VALUES
Solomon Soltzberg, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 20, 1942, Serial No. 443,694
4 Claims. (Cl. 260—528)

1. A cyclic process for the production of tartaric acid values which comprises oxidizing in aqueous solution a mixture of a carbohydrate material selected from the group consisting of glucose, fructose, pentoses, gluconic acid, 5 ketogluconic acid erythritol, and materials rapidly hydrolyzable to these by dilute nitric acid; and an oxidation residue from a previous oxidation, with nitric acid, in the presence of a soluble vanadium compound catalyst specific for tartaric acid production, conducting the reaction in a series of temperature stages comprising a prior stage conducted substantially entirely at a temperature of not more than approximately 75° C. and a later stage conducted at a temperature of at least approximately 90° C. and below the boiling point of the reaction mixture until evolution of nitrogen oxides ceases, removing tartaric and oxalic acids from the reaction, thereby leaving said oxidation residue, adding additional carbohydrate material to said residue and repeating the cycle.

2,380,197
DOUBLE-LOOP FOUR-POLE DIRECTIONAL ELEMENT
William K. Sonnemann, Roselle Park, Arthur C. Mehring, East Orange, and Shirley L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1943, Serial No. 516,238
8 Claims. (Cl. 175—335)

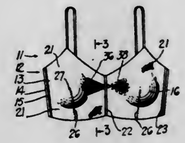
1. A substantially non-vibratory, product-responsive, single-phase, torque-producing relay-element, comprising a stator member and a rotor member, one of said members comprising four successive windings of an electrically excited magnetizable element, the other of said members comprising two mechanically connected loops A and B, first- and third-winding exciting-means of said electrically excited magnetizable element for causing one alternating flux to enter at one loop-side of loop A and leave at the other loop-side of loop A, interlinking through loop B in the process, and second- and fourth-winding exciting-means of said electrically excited magnetizable element for causing another alternating flux to enter at one loop-side of loop B and leave at the other loop-side of loop B, interlinking through loop A in the process, the two fluxes being relatively variable, both as to phase and magnitude, with respect to each other.



2,380,198
CERAMIC BODIES
Ira E. Sproat, Westport, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 2, 1943, Serial No. 508,747
4 Claims. (Cl. 106—62)

3. A mixture of comminuted brucite and comminuted pyrophyllite in a ratio ranging from 1:4 to 3:2, said pyrophyllite containing a small amount of sericite.

2,380,199
FOUNDATION GARMENT BUST POCKET
Sara Stein, Brooklyn, N. Y.
Application January 12, 1944, Serial No. 518,205
2 Claims. (Cl. 2—42)



1. A foundation garment having a wall having two bust pockets therein, in the inner and opposing side of each of which is an elongated cut-out extending from a point adjacent to but spaced from the center of the pocket to the base of the pocket and toward the other pocket, said cut-out having substantial width throughout, and the edges of the cut-out on each pocket where they intersect its base line being brought and secured together to partially contract the cut-out and to contract the base line on that side of the pocket, said pocket thus having a generally triangular opening, with said side of the pocket being flattened while fullness is maintained at the center of the pocket.

2,380,200
MAGNESIUM BASE ALLOY
Philip T. Stroup and George F. Sager, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 10, 1942, Serial No. 450,407
5 Claims. (Cl. 75—168)

1. The process of handling molten magnesium and magnesium base alloy which consists in increasing the resistance to oxidation of the molten metal by providing in the metal an amount of beryllium equal to between 0.00005 and 0.001 per cent by weight of the total composition.

2,380,201
MANUFACTURE OF CASTINGS
Philip T. Stroup and George F. Sager, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 10, 1942, Serial No. 450,408
5 Claims. (Cl. 22—200)

1. In the sand casting of magnesium and magnesium base alloy, the step of providing the metal prior to the casting operation with a content of beryllium not greater than about 0.002 and not less than 0.00005 per cent by weight of the total metal.

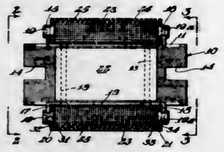
2,380,202
METHOD OF THERMAL TREATMENT
Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 31, 1942, Serial No. 456,748
10 Claims. (Cl. 148—21.3)

1. In the art of thermally treating magnesium and alloys containing at least 70 per cent by weight of magnesium, the method of minimizing deterioration of the metal during treatment which comprises providing a fluorine-containing substance in vapor form in the atmosphere surrounding the metal.

8. In the art of thermally treating magnesium and alloys containing at least 70 per cent by weight of magnesium, the method of minimizing deterioration of the metal during treatment which includes providing in the metal prior to the treatment beryllium in amounts not less than about 0.0005 per cent or more than about 2 per cent by weight, calcium in amount not less than about 0.01 per cent or more than about 1.0 per cent by weight, and surrounding the metal during the treatment with an atmosphere containing fluorine-containing substance in vapor form.

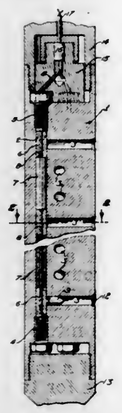
2,380,203
COIL
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 13, 1942, Serial No. 454,658
12 Claims. (Cl. 175—21)

1. An electrical coil comprising a metallic core, a plate secured to each of two opposed sides of said core, outwardly projecting spaced lugs on each of said plates, spaced wall structures surrounding said core and plates and operatively engaging the inner faces of said lugs, each of said wall structures comprising a pair of plate-like elements of insulating material, one of which is secured to the adjacent pair of said lugs, and a



coil winding wound around said core and plates between said wall structures.

2,380,204
GUN PERFORATOR
George F. Turechek, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application November 24, 1943, Serial No. 511,756
9 Claims. (Cl. 164—0.5)

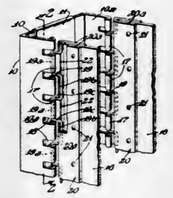


1. A gun perforator comprising: a gun body defining a longitudinal bore and several laterally directed gun bores communicating with said longitudinal bore; explosive cartridge units and non-explosive filler units slidably contained and positioned in alternate succession end to end in said longitudinal bore, said cartridge units being located in said longitudinal bore opposite the points of communication with said gun bores and said filler units being located in said longitudinal bore intermediate said cartridge units; and an ignition fuse interconnecting said cartridge units.

2,380,205
LUBRICATING OIL COMPOSITIONS
Paul R. Van Ess, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 16, 1942, Serial No. 434,892
21 Claims. (Cl. 252—53)

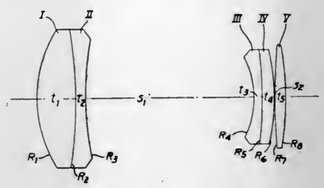
1. An improved lubricant comprising a mineral lubricating oil having dissolved therein a small amount of an oil-soluble compound selected from the group consisting of saturated polynuclear monohydroxy alicarbocyclic alcohols and esters thereof, having at least 12 carbon atoms in the alicyclic radical.

2,380,206
BOOKBINDING
Guy Brown Wiser, Los Angeles, Calif.
Application June 24, 1942, Serial No. 448,209
25 Claims. (Cl. 281—29)



7. In apparatus of the class described, a unitary backbone unit comprising a relatively rigid wall member and strut means integral with said member at opposite ends thereof, said means extending for the most part longitudinally of and in spaced relation to one face of said member, a flexible sleeve surrounding said strut means, means for securing a filler to the outer surface of said sleeve, a cover on each side of said filler, and means for operatively securing each of said covers to said backbone unit for hinged movement relative to said filler, said last-named means comprising an elongated element having a plurality of axially-aligned longitudinally-spaced portions having hinged connection with said unit and U-shaped portions connecting said first-named portions and operatively connected to one of said covers.

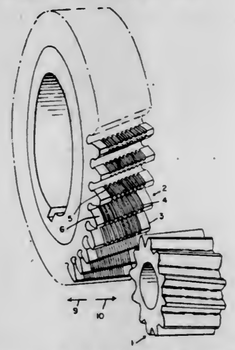
2,380,207
TELEPHOTO OBJECTIVE
George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 14, 1943, Serial No. 514,230
5 Claims. (Cl. 88—57)



EF. = 100mm.			f/5.6		Plz Sum = 0.00
LENS	N	V	RADII		THICKNESSES
I	1.498	67.0	R_1 = +16.0	t_1 =	4.8
II	1.656	40.5	R_2 = −51.3	t_2 =	1.3
			R_3 = +49.3	s_1 =	21.1
III	1.500	61.6	R_4 = −11.0	t_3 =	1.0
IV	1.755	47.2	R_5 = −73.4	t_4 =	1.5
			R_6 = −30.8	s_2 =	0.05
V	1.755	47.2	R_7 = +508	t_5 =	1.2
			R_8 = −79.8	BF =	53.2

1. A telephoto lens consisting of a front positive member and a rear negative member separated by air, the positive member consisting of a biconvex element cemented to the front of a biconcave element whose refractive index is higher than that of the positive element, and the negative member consisting of a rear positive component and a front negative component separated by an air space of positive power and thickness less than 0.02f where "f" is the focal length of the objective, the negative component being meniscus and concave to the front and comprising a negative element cemented to the front of an element whose refractive index is greater than 1.7 and is higher than that of the negative element by at least 0.11 and the positive component having an index of refraction greater than 1.7 and having the more strongly curved of its two bounding surfaces to the rear.

2,380,208
METHOD OF FINISHING GEARS
Harold Ashton, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application January 2, 1943, Serial No. 471,157
2 Claims. (Cl. 90—1.6)



1. The method of finishing an external gear member without marking the same which comprises meshing at crossed axes the gear member with a gear-like cutting tool member having a cutting portion and lands at the ends of the cutting portion of a minimum width of approximately $\frac{1}{8}$ inch, rotating the gear member and tool member while in mesh, relatively reciprocating the gear member and tool member generally axially of the gear member during their rotation with a predetermined length of stroke to positively position the cutting portion of the tool member beyond the ends of the gear member and approximately one-half the width of an end land in supporting contact with the gear member at the ends of the stroke, relatively feeding the gear member and tool member toward each other at an end of the stroke, discontinuing the relative feeding when the desired amount of material has been cut from the gear member, and then discontinuing the relative reciprocation at an end of a stroke and also discontinuing the rotation.

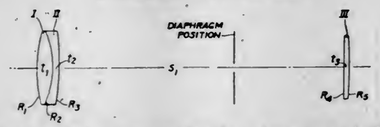
2,380,209
POSITIONING MEANS
Charles H. Bachman, Scotia, and Jacob T. Tschopp, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 11, 1942, Serial No. 468,676
10 Claims. (Cl. 88—40)



1. In a device for controlling the position of an article, the combination including a supporting plate member, a pair of substantially parallel ways members attached to said supporting plate and having a traversing member in engagement with races provided by said ways members,

a second pair of members having ways substantially perpendicular to said races, a third set of ways members lying in a plane perpendicular to the first-mentioned and second-mentioned ways members and supported by the second-mentioned ways members, an article support carried by said third set of ways members, and three mechanisms for independently controlling the vertical, horizontal and longitudinal motion of said support, each of said mechanisms being operable by the application thereto of a force perpendicular to said supporting plate member.

2,380,210
TELECENTRIC LENS SYSTEM
Harold F. Bennett, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 14, 1943, Serial No. 514,231
4 Claims. (Cl. 88—57)



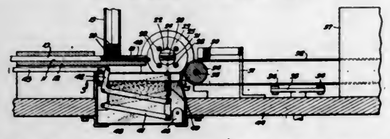
1. A telecentric projection lens consisting of front and rear positive components with a diaphragm enclosed therebetween, in which the front component consists of a biconvex element cemented to the front of a meniscus negative element whose refractive index is higher by at least 0.1, the separation of the two components being greater than the focal length of the front component and in which the rear positive component is between 0.4 and 0.9 times as far from the diaphragm as is the front component, has a focal length between 5 and 12 times its distance from the diaphragm, and the power of that surface of the rear component which faces the diaphragm is numerically less than the power of the whole component.

2,380,211
FLUORESCENT LAMP MOUNTING
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application June 5, 1944, Serial No. 538,803
4 Claims. (Cl. 176—32)



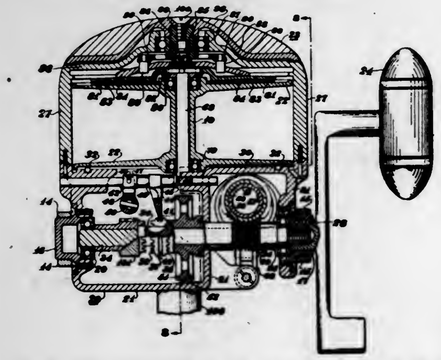
1. In a fluorescent lamp mounting comprising a tubular lamp having spaced parallel pin contact members projecting from the ends thereof and lampholders having annular sockets and grooves through which said pin contact members are entered into said sockets, and spring contact members secured to said holders and having free end portions disposed in said sockets on opposite sides thereof, whereby said pin contact members are rotatable into engagement with said free end portions of said spring contact members, the improvement which consists in providing the engaging surfaces of said pin and spring contact members with interlocking portions that prevent axial disengagement of said pin contact members from said spring contact members, said interlocking portions comprising a rib on one of said cooperating pin and spring contact members and a groove on the other of said members, said rib and groove extending transverse to the longitudinal axis of said pin.

2,380,212
APPARATUS FOR ARTICLE WORKING
Charles O. Blaisdell, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1943, Serial No. 472,174
8 Claims. (Cl. 91—47)



4. In an apparatus for spotting quartz crystals, a magazine for holding a supply of crystals, clamping jaws for supporting a crystal in position to receive a spot of material on one of its sides, a reciprocable slide associated with said magazine for sequentially feeding a crystal to said clamping jaws and for feeding a spotted crystal from said jaws, the forward portion of said slide being recessed to receive a crystal and to form a shoulder for carrying said crystal forward, said shoulder being notched to engage a corner of said crystal to center said crystal with respect to said slide, said recessed portion being slotted to avoid contact with the center portion of a crystal, a spotting device comprising a tank for containing spotting material, a spotting rod in said tank, pivotally mounted bracket arms for supporting said rod in said tank and for moving it into contact with a crystal while the crystal is supported by said clamping jaws, means for rotating said jaws to present successively both sides of the crystal to said spotting device, a belt conveyor having a groove extending along the center portion of said conveyor to avoid contact of the conveyor with the spotting material on a crystal, and a stripping mechanism comprising a pair of spaced spring arms having their forward portions bent inwardly and then outwardly to receive and engage a crystal from the reciprocable slide and to deposit it on said conveyor.

2,380,213
FISHING REEL CONSTRUCTION
Francis H. Boor, La Fayette, Ind., assignor to Rochester Baird
Original application November 30, 1940, Serial No. 367,987, now Patent No. 2,332,481, dated October 19, 1943. Divided and this application September 16, 1941, Serial No. 411,054
8 Claims. (Cl. 242—84.7)



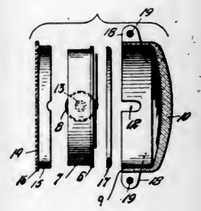
3. A reel comprising, in combination, a spool, driving means including change speed gearing

means for rotating the spool at different speeds, a first shaft driven by the change speed gearing means, a disengaging clutch device driven by the first shaft, a second shaft driven by the clutch device, a frictional device connected between the second shaft and the spool, and means to constrain the first shaft against reverse rotation, said spool being rotatively mounted about the second shaft.

2,380,214
ACTIVATED FILLER AND PROCESS OF MAKING SAME
Harry Burrell, Paramus, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application March 9, 1944, Serial No. 525,770
9 Claims. (Cl. 260—9)

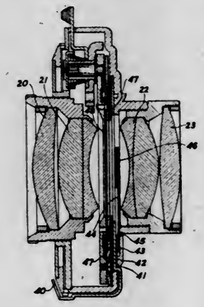
1. A filler possessing plastic flow and suitable for hot-molding compositions, comprising heat-masticated redwood wood flour produced by mastication of redwood under mechanical pressure at a temperature between that imparted by steam at atmospheric pressure and about 200° C. for a period sufficient to develop plastic flow, said redwood containing about 25% to about 75% of moisture during the mastication.

2,380,215
WATCH
Nicholas Caldara, Bronx, N. Y.
Application September 26, 1944, Serial No. 555,858
1 Claim. (Cl. 58—90)



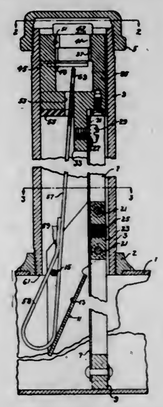
A wrist watch comprising a case of transparent plastic open at the back and having integral front and side walls forming a movement chamber and integral, oppositely disposed strap lugs, said side wall having a notch in the edge of the same at a point between the oppositely disposed strap lugs, a watch movement of less diameter than said side wall and seated in said chamber against said front wall, said watch movement having a winding stem received in and projecting through the notch in the side wall and a back cover of transparent plastic having a thin annular flange projecting inwardly between said side wall and said watch movement, said flange having dust-tight holding engagement with said side wall for securing said back cover in place and engaging said watch movement at the inside to center and retain the watch movement in centered relation in said chamber and said back cover having a peripherally extending portion projecting radially beyond said flange substantially to the outer periphery of said side wall and covering the joint between said side wall and back cover to exclude and prevent seepage of moisture from the wrist.

2,380,216
LENS SYSTEM
Rolla N. Carter, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1942, Serial No. 429,975
7 Claims. (Cl. 95—64)



1. An objective comprising a lens mount, a highly corrected lens consisting of a plurality of components carried in the mount and having troublesome internal reflections produced cooperatively by refracting surfaces on opposite sides of an airspace between components, and a variable aperture diaphragm for the lens in said airspace, the reflections being relatively more troublesome at small apertures than at large characterized by a zero power light filter of density less than .5 carried by the mount axially aligned in said airspace uniformly extending over all of the light beam transmitted by said diaphragm at small apertures only whereby, at said small apertures, the reflection producing light is reduced by at least three passages through the filter.

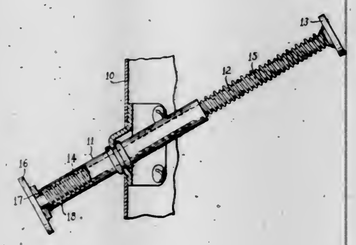
2,380,217
CONDUIT CLOSURE
Charles H. Chapman, La Grange, Ill., and Clement P. Griffith, Fort Wayne, Ind., assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application February 25, 1943, Serial No. 477,174
8 Claims. (Cl. 70—167)



1. In a closure for a tank which is equipped with a fill pipe, the combination of a support adapted to rest on the bottom of the tank, a fill

pipe closure on said support, means on said support adapted to engage the interior of the fill pipe, a locking member mounted on said support for translatory movement longitudinally and laterally relative to the support, and means on said support adapted to force said locking member laterally into locking position under said fill pipe upon longitudinal movement of said locking member, to prevent removal of the support from the tank, said first named means being so disposed as to engage the fill pipe at a point substantially diametrically opposite to the point of contact of said fill pipe and said locking member.

2,380,218
PEDAL ROD MOUNTING OR THE LIKE
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application April 27, 1943, Serial No. 484,743
2 Claims. (Cl. 74—512)

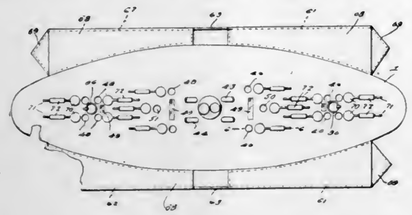


1. A reciprocable actuating device for a starter or the like, comprising a reciprocable rod, a pedal mounted wholly on one end of the rod, an actuator on the other end of the rod, a housing having a bore with an open end disposed around the rod and facing toward the pedal at a distance from the pedal, the other end of the housing being located adjacent the actuator, said rod intended for rectilinear movement in and through the housing but being maintained substantially free of guiding engagement with said housing by means of a coiled spring surrounding the rod and located partly within the housing and acting against the rod to urge the pedal away from the housing, said spring having offset portions whereby in all operative positions of the rod the latter is supported from the housing, the turns of the spring being well spaced apart in the normal position but being brought close together on depression of the pedal.

2,380,219
SPRAY COATING COMPOSITION
Charles H. Clinton, Milwaukee, Wis., assignor to Spray Wax Sales Co., Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application January 1, 1944, Serial No. 516,736
2 Claims. (Cl. 106—272)

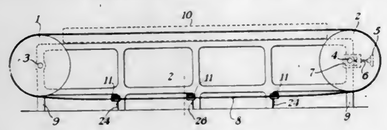
1. A spray coating composition, comprising, approximately nine parts by weight of mixed carnauba, paraffin and bees wax, approximately sixty parts of naptha, approximately thirty parts of water, and the remainder of boron of the type adapted to separate from the composition as fine dust when dried, the total parts of said composition constituting one hundred parts.

2,380,220
BOAT
Francesco P. Cortese, Detroit, Mich.
Application August 30, 1941, Serial No. 409,092
1 Claim. (Cl. 114—16)



A boat of the class described comprising an ellipsoidal hull adapted to be submerged in the water, and means to elevate said hull comprising exterior pneumatic devices upon opposite sides of the hull, respectively, adapted for inflation and deflation, and means in said hull to inflate and deflate said devices at will, said devices comprising air bags, and rigid fins extending laterally from said hull over said air bags, respectively, to provide a backing therefor preventing deformation of the same, said fins having conical end shields depending therefrom and fitting against ends of said air bags to form noses therefor.

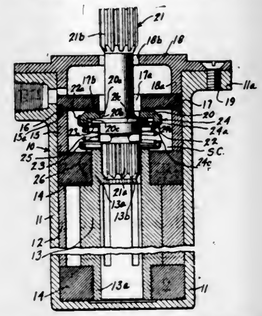
2,380,221
METAL BELT GUIDING MECHANISM
Lincoln A. Cundall, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 12, 1942, Serial No. 468,836
4 Claims. (Cl. 74—241)



1. In a machine of the type in which a long metal belt is supported on a pair of spaced drums for receiving films or coatings, the combination with the said belt and supporting drums, of means for guiding the belt through a fixed path about and between said drums comprising an edge guide for the belt including a pair of shoes spaced apart approximately the width of the belt and arranged at an angle to the surface thereof each of said shoes having a metal belt contacting surface of a material softer than the material of which said metal belt is made, a pivotal support for each guide on which said guide may move relatively to the edge of the belt, said pivotal support including a bent rod extending substantially parallel to the width of said belt and then being bent upwardly and at an angle thereto.

2,380,222
PUMP SEAL AND DRIVE CONSTRUCTION
Russell R. Curtis and Richard L. Gates, Dayton, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application February 15, 1943, Serial No. 475,930
3 Claims. (Cl. 286—11)

1. A shaft and seal construction comprising a stationary seal ring having a raised face portion providing an annular sealing surface, a rotating seal ring having an annular sealing face for sliding area contact with the face portion of the stationary seal ring, said rotating seal ring having a recessed face on the side thereof opposite said annular sealing face, a shaft extending freely through both of said rings and having an integral collar in the recess provided by the recessed face of the rotating seal ring, said collar being smaller than said recess to provide an annular gap between the periphery of the collar and the rotating seal ring, a non-metallic flexible diaphragm sheet having an inner portion overlying the collar, a bowed intermediate portion bridging said gap accommodating relative axial and tilting movements of the shaft and rotating seal ring and a marginal portion overlying the recessed face of the rotating seal ring, a sleeve pressed on said shaft having a flange clamping the inner portion of said diaphragm against the collar, a cup surrounding the rotating seal ring having a base portion clamping the marginal portion of the diaphragm against the seal ring, and a spring acting on the base of the cup to urge the annular sealing face of the rotating seal ring against the raised face of the stationary seal ring.

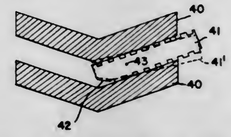


2,380,223
TOY ROCKET CHUTE
William E. Dodds, Corsicana, Tex.
Application March 6, 1944, Serial No. 525,209
1 Claim. (Cl. 46—86)



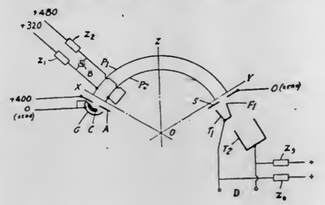
A toy comprising an arrow having an enlarged substantially flat feather end portion, said enlarged end portion being recessed providing a compartment, a closure for the compartment, said compartment adapted to contain a folded parachute, an extension disposed rearwardly upon the wall of the compartment, an extension on the closure adapted to overlie the extension on the compartment, a cord wrapped around the alining extensions, a weight on one end of the cord adapted to unwind the cord releasing the closure, an elastic member connected with the closure and arrow and adapted to normally pull the closure open, when the cord becomes unwrapped.

2,380,224
HERRINGBONE GEAR FINISHING
Robert S. Drummond, Detroit, Mich.
Application March 25, 1940, Serial No. 325,861
8 Claims. (Cl. 90—1.6)



1. The method of shaving the teeth of a herringbone gear which comprises providing a gear-like shaving cutter having teeth substantially relieved at one corner, meshing said gear and cutter so that said relieved corner provides crotch clearance while the opposite side of said cutter tooth machines the point side of the adjacent gear tooth completely to the point, rotating said gear and cutter in mesh, and relatively oscillating said gear and cutter about the common normal to their axes to remove material at and adjacent the point of said gear teeth.

2,380,225
ELECTRON DISCHARGE DEVICE
Brian Clifford Fleming-Williams, London, England, assignor to A. C. Cossor Limited, London, England, a company of England
Application August 20, 1941, Serial No. 407,688
In Great Britain June 26, 1940
12 Claims. (Cl. 250—27)

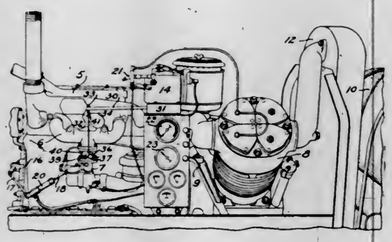


1. In an electron beam deflection valve, an electron gun to generate a beam of electrons, said gun comprising a cathode and an electrode having only a single opening through which said beam passes, whereby said beam is focused to pass through a crossover and diverge therefrom, a focusing system including a pair of co-axial part-cylindrical electrodes of different radii so arranged that they bound an arcuate space through which the beam passes and means to maintain a steady component of potential difference between said part-cylindrical electrodes to focus into a parallel beam the electrons issuing from said crossover, means to superimpose on said steady component a relatively small alternating component of potential difference to deflect said electrons, and means responsive to the deflection of said electrons to excite an output circuit in accordance therewith.

2,380,226
AUTOMATIC COMPRESSOR REGULATOR
John R. Frantz, Wauwatosa, Wis., assignor to Le Roi Company, West Allis, Wis., a corporation of Wisconsin
Application August 18, 1941, Serial No. 407,263
4 Claims. (Cl. 230—5)

1. In a regulating system for an internal combustion engine driven air compressor having an

air receiver, a carburetor for supplying fuel to the engine, a speed governor for controlling the flow of fuel to the engine from said carburetor, an unloading device for the compressor, a fuel control valve interposed between the carburetor



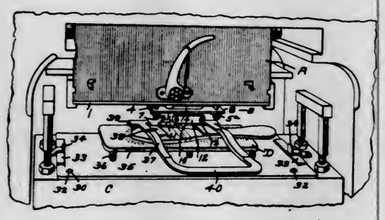
and the engine, and mechanism for controlling the opening of said valve directly in accordance with variations in receiver pressure and entirely independently of said speed governor and of said unloading device.

2,380,227

MEANS FOR SLASHING PLATFORMS AND INSOLES

Louis G. Freeman, Jr., Cincinnati, Ohio, assignor to Benjamin W. Freeman, Cincinnati, Ohio

Application January 24, 1944, Serial No. 519,510
12 Claims. (Cl. 12—40)



1. In a machine for forming slashes in pieces of work for shoes and the like, a cutting die comprising a support and a series of separate blades mounted therein at the desired angle, means for moving said support in the plane of the work, and means for supporting the work in gauged position, and means for increasing the spacing of the die support and the work support during the return motion of the die support after a stroke during which the blades pass through the work.

2,380,228

HYDROCARBON TREATMENT

Stewart C. Fulton, Elizabeth, and Thomas Cross, Jr., Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 5, 1942, Serial No. 433,484
2 Claims. (Cl. 196—50)

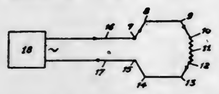
1. The process of reforming naphtha which comprises contacting said naphtha at reforming temperatures with a catalyst prepared by impregnating an activated solid adsorbent with aluminum chloride vapors contained in a carrier gas and then heating the mass with an inert gas to remove unadsorbed aluminum chloride.

2,380,229

DIRECTIONAL AERIAL

Pierre Paul Gamet, Paris, France; vested in the Alien Property Custodian

Application August 19, 1942, Serial No. 455,378
In France August 20, 1941
9 Claims. (Cl. 250—33)



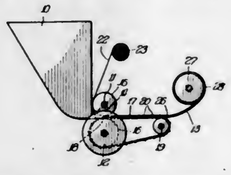
1. In a directional aerial for transmitting or receiving electro-magnetic waves, three rectilinear radiating conductors connected in series, three other rectilinear radiating conductors connected in series, an impedance connecting an adjacent pair of free ends of each unit of three conductors and thus forming a convex hexagon, both these units of three conductors each and this impedance being arranged symmetrically with respect to an axis passing through the input into the aerial across the other adjacent pair of free terminals, and a feeding device connected with this hexagon.

2,380,230

APPARATUS FOR PRODUCING COMPOSITION BRAKE LINING MATERIAL IN TRANSVERSELY GROOVED STRIP FORM

Thomas L. Gatke, Oak Park, Ill.

Application Novmber 29, 1939, Serial No. 306,627
5 Claims. (Cl. 18—10)



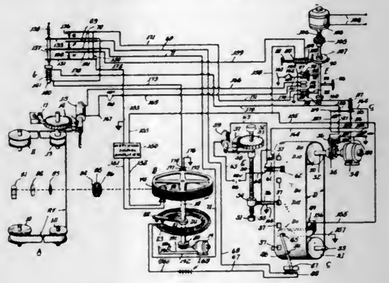
5. Apparatus for producing transversely grooved composition brake lining material in long coiled up strips ready for curing, characterized by a pair of peripherally spaced compression and shaping rolls between which the composition in soft relatively uncompressed dough-like form is fed, means for introducing a web of flexible open mesh wire screening into the composition adjacent the periphery of one of the rolls, the other roll acting on the composition at a point opposite the first roll to compress the composition and force it between the meshes of the reinforcing material, whereby to embed the reinforcing material in the composition adjacent one face of the latter, means associated with the periphery of said other roll for simultaneously pressing transverse grooves of substantial depth into the other face of the composition, said last named means being so positioned that the composition which is fed between the two rolls is subjected from opposite sides at the same point and at the same time to the aforesaid embedding and grooving operations, a mandrel on which the reinforced and grooved composition strip coming from the rolls is wound, with the composition still in a soft condition and with the reinforcement on the inside of the coiled strip and the grooves on the outside, and means for rotating the rolls and the mandrel, said reinforced and grooved composition strip being so directed in the apparatus upon leaving the compression and shaping rolls as to avoid any reverse curvature of the strip prior to the latter having the aforesaid curvature imparted to it by the action of the mandrel.

2,380,231

APPARATUS FOR ANALYZING RECORDED DATA

Harvey D. Giffen, Pico, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware

Application March 8, 1943, Serial No. 478,367
6 Claims. (Cl. 234—1.5)



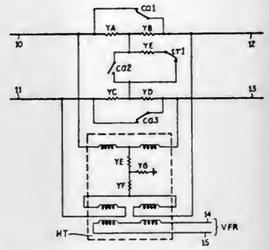
2. In an apparatus for analyzing data on a record film recorded from gauge devices, in combination, a light responsive device, a light source directed thereon, means for supporting a record film so that the light beam passes through it and is interrupted in part by the data markings thereon, a scanning means interrupting the light beam having markings thereon varying over the range of the markings on a record film, a marking device swingable back and forth across a space adapted to be occupied by a chart, and means for moving said device in at least one direction from a starting position in accordance with movement of the scanning means from a starting position, and a circuit including said light responsive device and an actuator operable when the scanning means reaches a matching position, to cause the marking device to mark a chart in said chart space.

2,380,232

TELEPHONE OR LIKE SYSTEM

Charles Gillings, Liverpool, and Percy Edward Alexander Cowley, Coventry, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 18, 1943, Serial No. 514,810
In Great Britain January 14, 1943
4 Claims. (Cl. 179—84)



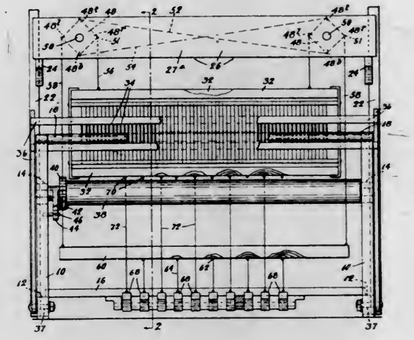
1. In a telephone system, a bi-directional transmission line, means inserted in said line for at times preventing the transmission of signals therethrough, a signal receiving circuit, and means coupling said signal receiving circuit to said line at points on either side of said first means, whereby said signal receiving circuit is rendered responsive to signals received over the line from either direction.

2,380,233

HAND LOOM

Donald W. Greenwood, Wheaton, Ill.

Application December 15, 1942, Serial No. 469,064
13 Claims. (Cl. 139—33)



1. In a hand loom, a plurality of heddle frames, a series of treadles for operating said heddle frames, a pair of pivoted members for each heddle frame each mounted on a fixed axis, each member having a connection with an opposite end part of the associated heddle frame and each having crossed connections to the other member, a floating lam disposed above and crosswise of said treadles having connections with said pivoted members on the outer side of the axes of the members and outside of the ends of the heddle frames operative upon the depression of said lam to turn both pivoted members in directions to move both ends of the associated heddle frame in the same direction, and a substantially vertical connection between said lam and a treadle for depressing said lam.

2,380,234

HYDROCARBON CONDENSATION PROCESS

Homer J. Hall, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 25, 1940, Serial No. 358,213
12 Claims. (Cl. 260—683.4)

1. A process which comprises condensing olefinic hydrocarbons under suitable condensation conditions in the presence of a condensation catalyst composition comprising a normally liquid condensation catalyst and a minor portion of a solid adsorbent material suspended therein said adsorbent being substantially chemically inert to the catalyst.

2,380,235

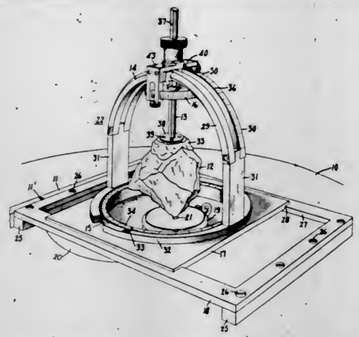
MEANS AND METHOD FOR ORIENTING IRREGULAR QUARTZ CRYSTALS

David Harker, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

Application June 5, 1943, Serial No. 489,790
21 Claims. (Cl. 250—53)

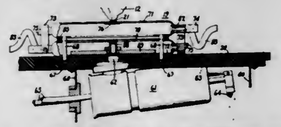
1. The method of orienting an irregular quartz crystal which includes determining an approximate optical axis of said crystal, impinging an X-ray beam on said crystal along said approximate axis, intercepting a reflected X-ray

beam from said crystal on a light-sensitive film, and determining the true directions of the axes



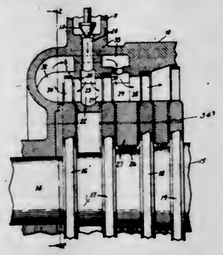
of said crystal from the reflected X-ray diffraction pattern produced on said film.

2,380,236
X-RAY CAMERA
David Harker, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
Application June 5, 1943, Serial No. 489,791
13 Claims. (Cl. 250—53)



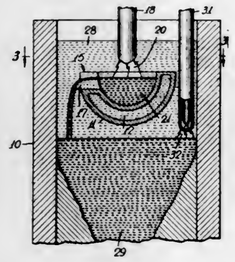
1. A back reflection X-ray camera comprising a light impervious body member having a wall transparent to X-rays and adjacent which an object to be examined is placed, a substantially flat film supported within said body member in a plane substantially parallel with said wall, and means to project a collimated beam of X-rays transversely through said film and wall onto said object whereby said X-rays are reflected back on said film to form a figure thereon dependent on the character of said object.

2,380,237
ELASTIC FLUID TURBINE
Eugene E. Harris, Latham, N. Y., assignor to General Electric Company, a corporation of New York
Application July 29, 1943, Serial No. 496,569
1 Claim. (Cl. 253—69)



An elastic fluid turbine comprising a casing, a shaft supported therein, two first stage bucket wheels mounted on the shaft, partial arc admission means in the casing between the bucket wheels arranged to deliver operating medium to both wheels in parallel flow relation, valve means for controlling the flow of operating medium to the respective arcs of the first stage wheels, a second stage wheel mounted on the shaft adjacent one of the first stage wheels, partial arc admission means arranged to deliver operating medium from both first stage wheels to the second stage wheel, and walls defining passages in the casing arranged to conduct operating medium directly from an arc of each of the first stage wheels to a certain arc of the second stage wheel so that both first and second stage wheels may be operated with partial arc admission.

2,380,238
METHOD AND APPARATUS FOR PRODUCING CAST METAL BODIES
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application January 21, 1944, Serial No. 519,230
9 Claims. (Cl. 22—61)



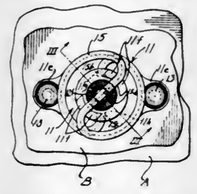
1. A method of casting metal which comprises the steps of producing and depositing metal in a furnace immersed in a layer of flux in a mold, and simultaneously discharging molten metal from said furnace through said layer of flux and into said mold.

2,380,239
ADHESIVES
Arthur M. Howald, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application July 10, 1941, Serial No. 401,797
6 Claims. (Cl. 117—161)

1. A method of preparing a dry heat-setting adhesive that remains stable for an extended period, which comprises applying an aqueous solution of a urea-formaldehyde condensation product, containing substantially no free formaldehyde, to a surface together with an ammonium salt of a strong acid and a quantity of a polyhydric phenol sufficient to delay appreciably the reaction of the ammonium salt with formaldehyde liberated from the urea-formaldehyde condensation product, and drying.

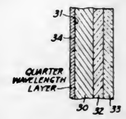
2,380,240
SEPARABLE FASTENER
George H. Hufferd, Grosse Pointe, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 13, 1942, Serial No. 430,733
9 Claims. (Cl. 151—11)

1. A fastener for joining a plurality of apertured parts which comprises a receptacle having a base adapted to be mounted around the aperture of one of said parts, an internally threaded collar carried by said base in alignment with the aperture in said parts, a stud having a shank portion, an enlarged head portion and an enlarged threaded portion in spaced relation from the head portion, said shank portion of the stud fitting freely in the aperture of said other part and said head and threaded portion being larger than said aperture to hold the stud in said other



part, said threaded portion on said stud engageable in screw thread relation in the internally threaded collar portion of the receptacle, a spring member carried by said receptacle having a portion thereof engageable with a portion of said stud, and said stud portion having a serrated surface cooperating with said spring portion to prevent unauthorized relative rotation between the receptacle and stud.

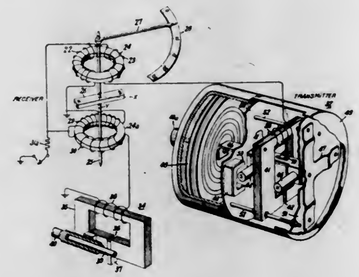
2,380,241
VIEWING SYSTEM
Edwin E. Jelley and Henry C. Staehle, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 21, 1942, Serial No. 435,672
1 Claim. (Cl. 88—28.93)



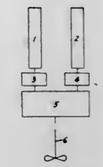
A screen for displaying optical images projected thereonto from the rear comprising a translucent plate the rear surface of which is rough, an optical interference layer for reducing reflection coated on the rough surface and colorless means through which to view images displayed by the rough surface, consisting of a substantially circularly polarizing layer on the front surface of and facing away from the translucent plate.

2,380,242
TELEMETERING SYSTEM AND APPARATUS
Richard G. Jewell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application February 25, 1944. Serial No. 523,835
15 Claims. (Cl. 177—351)

1. A telemetering system of the alternating current saturable core type comprising a receiver having stator and armature means, one comprising saturable core material provided with a plurality of alternating current windings and the other comprising a unidirectional flux magnet in inductive relation to said core means, a transmitter having relatively movable and inductively related saturable core and unidirectional flux producing means, a winding on the saturable core transmitter means connected to one of the windings on the receiver for producing a variable torque in the receiver along one axis in response to relative movement of the transmitter means, and a saturable core means having a winding connected to another winding of the receiver for producing a substantially constant torque in the receiver along another axis, whereby the operation of the receiver is responsive to the resultant of said two torques.

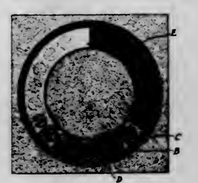


2,380,243
POWER TRANSMITTING APPARATUS
Dennis Ernest Jewitt, Rugby, England, assignor to General Electric Company, a corporation of New York
Application August 11, 1942, Serial No. 454,401
In Great Britain August 18, 1941
4 Claims. (Cl. 172—8)



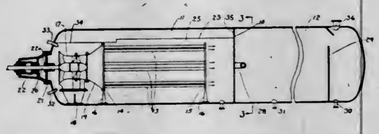
4. In an electric ship propulsion system, three pairs of prime movers each adapted to operate efficiently at a given speed, three propeller shafts each adapted to be driven by one of said pairs of prime movers, a mechanical speed reduction coupling connecting each of said pairs of prime movers to the appropriate one of said shafts, electrodynamic couplings interposed between each of said prime movers and said mechanical coupling connected thereto, said electro-dynamic couplings each consisting of a field-producing structure and an armature associated therewith, one of which is connected to the prime mover and the other to one of said mechanical couplings the number of poles provided on the field-producing structures associated with one of said pairs of prime movers being higher than that provided on the structures associated with the other two of said pairs of prime movers, means for holding stationary said other two pairs of prime movers, and means for supplying to the armatures of the couplings having the lower number of poles the slip energy developed in the amature of the remaining coupling having the higher number of poles when the pair of prime movers associated therewith continues to rotate at their given speed while the other pairs of prime movers are held stationary whereby by reason of the predetermined relation of the pole numbers to produce substantially equal speeds of rotation of all of said shafts while maintaining full load on said one pair of prime movers.

2,380,244
SENSITOMETRY
Loyd A. Jones, Clarence N. Nelson, and Lawrence D. Clark, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 19, 1942, Serial No. 466,114
16 Claims. (Cl. 95—10)



1. A sensitometer tablet comprising density steps ranging from high densities to low densities, with a plurality of steps in a high density group and a plurality of steps in a low density group, each step including at least one density area, said one density area in each density step in the high density group being adjacent to a density area differing therefrom by approximately .06 density unit and said one density area in each density step in the low density group being adjacent to a density area differing therefrom by approximately .02 density unit.

2,380,245
APPARATUS FOR EFFECTING CATALYTIC REACTIONS
Percival C. Keith, Peapack, N. J., and Myrle M. Perkins, Brooklyn, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 31, 1941, Serial No. 376,804
2 Claims. (Cl. 23—285)



1. Apparatus for effecting liquid phase catalytic hydrocarbon reactions in the presence of a liquid catalyst heavier than and immiscible with at least a substantial proportion of said hydrocarbon reactants which comprises a horizontally elongated reaction chamber having elongated side walls and short end walls, partitions extending along the elongated side walls of said chamber and arranged to provide with the walls of said chamber a vessel for containing a body of liquid comprising a mixture of said hydrocarbon reactants and liquid catalyst and arranged with respect to said elongated side walls of said chamber to provide collecting troughs adapted to receive overflow of liquids from said vessel, said partitions having relatively low upper edges near one end of said chamber whereby overflow of liquid from said vessel into said collectors is concentrated at that end of said chamber, a plurality of substantially parallel elongated tubes extending between points adjacent the ends of said chamber, said tubes being located in said chamber in a position to be submerged in said body of liquid in said vessel, impelling means positioned within said vessel at an end thereof to contact said body of liquid and located with respect to said tubes to cause flow of liquids in said body into said tubes at the ends thereof adjacent the low edges of said partitions, and means for continuously introducing fresh reactants into said vessel at the end thereof adjacent the said low edges of said partitions.

2,380,246
PREPARATION OF AROMATIC NITROCOMPOUNDS
Max C. Knake, Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 4, 1940, Serial No. 312,354
7 Claims. (Cl. 260—645)

1. A method of producing crystalline trinitrotoluene in a form readily adapted to purification treatment, which comprises forming a mixture of the molten crude aromatic nitrocompound and water, cooling said mixture to the temperature at which crystallization of said aromatic nitrocompound commences, the rate of cooling during this decrease in temperature being insufficient to cause localized freezing of the aromatic nitrocompound, controlling the crystal growth by regulating the cooling rate during the interval between the start of crystallization and a point at which the crystallization is substantially complete, and shocking the crystals by cooling said charge more than 5° C. and quickly by introducing thereinto an excess of cold water.

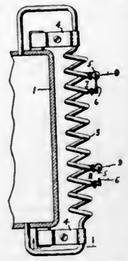
2,380,247
TRINITROTOLUENE
Christian Elmer Olsen, Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1940, Serial No. 364,031
4 Claims. (Cl. 260—645)

4. A method of producing substantially pure trinitrotoluene, which comprises adding to crude molten trinitrotoluene, cooling water having a temperature appreciably below the solidification temperature of said crude trinitrotoluene to effect crystallization of the trinitrotoluene, and washing the crystals with an alkaline sulfite solution while the mass is at a temperature between approximately 67° and 71.5° C.

2,380,248
PURIFICATION OF TRINITROTOLUENE
Marshall F. Acken and Robert M. Cavanaugh, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 6, 1941, Serial No. 392,094
2 Claims. (Cl. 260—645)

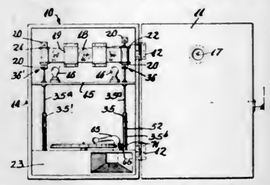
1. A method for purifying trinitrotoluene by means of an alkali metal sulfite solution, which comprises subjecting crude trinitrotoluene to a preliminary treatment with the alkali metal sulfite solution in such proportion that the quantity of alkali metal sulfite is insufficient to react with all the isomeric impurities present in said crude trinitrotoluene, separating the resultant trinitrotoluene from the spent alkali metal sulfite solution, and then retreating said resultant trinitrotoluene with an additional quantity of fresh alkali metal sulfite solution, the total quantity of the alkali metal sulfite solution employed representing approximately the amount theoretically necessary for reaction of all the isomeric impurities originally present in the crude trinitrotoluene.

2,380,249
LIQUID LEVEL INDICATING DEVICE
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 11, 1944, Serial No. 535,098
3 Claims. (Cl. 73—296)



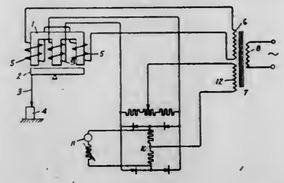
1. Apparatus responsive to liquid level variations comprising a tubular liquid container shaped in the form of a loosely wound spiral, means for supporting the end portions of said spiral in fixed relation with the axis thereof substantially vertical, connections to said tubular container for permitting a variable amount of liquid to rise therein, said container being sufficiently flexible to be deformed by and in proportion to the weight of the liquid contained therein, and means responsive to such deformation of said container.

2,380,250
COMBINED PHONOGRAPH AND PROJECTOR
Larry Lowy, New York, N. Y.
Application May 8, 1944, Serial No. 534,645
9 Claims. (Cl. 88—16.2)



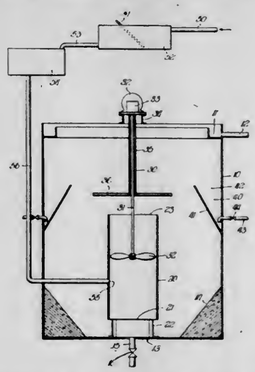
1. A combined phonograph and motion picture toy, comprising a box, lamps for lighting up the interior of said box, a lens mounted through one wall of said box, guide means for film mounted on the opposite wall of said box, clips for supporting a supply roll and a driven roll for film, phonograph means within said box and having a motor driven turntable, means for intermittently turning said driven roll and actuated by said motor driven turntable mechanism and including a clutch a supply roll of film mounted on said clips and having its film web engaging said guide means and connected with said driven roll, and means for opening said clutch when the end of said film is reached, said first means comprising a vertical shaft having its bottom end attached to said driven motor and a transmission between said phonograph means and said shaft and including intermittent gears, said clutch being arranged between the adjacent ends of said driven roller and said vertical shaft, said latter mentioned means comprising a rod slidably supported in said driven roller and having an extended bottom end engaging an opening in the top end of said vertical shaft, and means controlled by the tension of the film wound upon said driven roller for extending said rod to lift said driven roller and separate said clutch.

2,380,251
ELECTROMAGNETIC GAUGE
Leslie C. Ludbrook, Cawston, near Rugby, England, assignor to General Electric Company, a corporation of New York
Application July 11, 1944, Serial No. 544,450
In Great Britain July 13, 1943
3 Claims. (Cl. 177—351)



1. A phase sensitive bridge circuit comprising four rectifiers connected in a series closed circuit as the four arms of a bridge with all of the rectifiers connected for the same direction of current flow about said bridge circuit, a resistance connected across one diagonal of such bridge, a second resistance connected across the other diagonal of such bridge, excitation input terminals at the midpoints of said resistances, measurement input terminals connected across one of the bridge diagonals, a common source of alternating current supply for said excitation input and measurement input terminals, means responsive to a measurement for varying the voltage applied to the measurement input terminals and reversing its phase relation with respect to said source of supply, and a zero center direct current measuring instrument connected across the other bridge diagonal.

2,380,252
TREATMENT OF PAPER MACHINE WASTE WATER
George A. McBride, Grosse Pointe Woods, Mich., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application October 31, 1942, Serial No. 464,138
9 Claims. (Cl. 210—16)



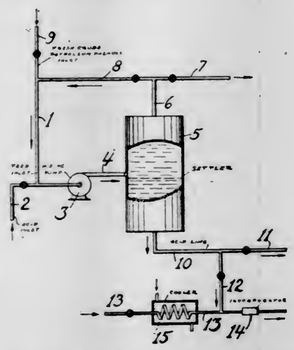
1. A process of mechanically recovering fibers from a suspension thereof, and without addition of a chemically reacting reagent thereto, which comprises maintaining a body of liquid undergoing treatment, said body of liquid being functionally divided into a lower agitated zone containing a thickened suspension of similar fibers accumulated from previously treated suspension and a superposed quiescent clarified liquid zone, passing entering liquid containing fibers through

said zone containing a thickened suspension of similar fibers, continuously agitating the contents of said last mentioned zone so that newly entering fibrous suspension is mixed through and incorporated in the thickened suspension, whereby newly entering fibers are entrapped by and retained within said thickened suspension, withdrawing clarified liquid from the upper surface of said thickened suspension into said clarified liquid zone, and withdrawing liquid containing fibers from said thickened suspension to control the accumulation of fibers therein.

2,380,253
METHOD OF GRANULATING METALS
James P. A. McCoy, Milwaukee, Wis., assignor of one-half to Milwaukee Tool & Die Company, Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application February 22, 1943, Serial No. 476,773
1 Claim. (Cl. 83—91)

The method of producing granulated metal, which comprises, agitating the solid metals having melting points below 1000° C. while completely concealed in an abundance of saw dust and heating the mass to plasticize the metal, mixing silica gel with the concealed and plasticized metal to granulate the latter, and finally separating the granulated metal from the mixture.

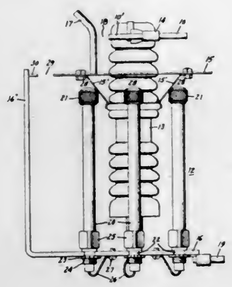
2,380,254
METHOD OF INHIBITING HYDROCHLORIC ACID AGAINST CORROSIVENESS TO FERROUS METALS
Thomas B. McCulloch, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 12, 1941, Serial No. 388,256
11 Claims. (Cl. 252—146)



3. The method of inhibiting hydrochloric acid against corrosiveness to ferrous metals which comprises contacting said acid with crude phenols of petroleum origin, settling the mixture, and separating the inhibited acid from the undissolved material.

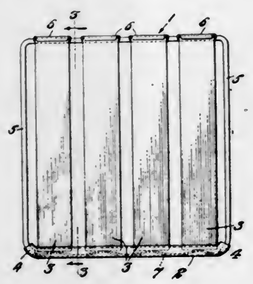
2,380,255
PROTECTIVE DEVICE
Donnell D. MacCarthy, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 17, 1943, Serial No. 498,924
6 Claims. (Cl. 200—115)

1. In combination, an insulating member, a pair of spaced conducting means associated with said member, a plurality of fuse tubes supported in spaced relationship on one of said spaced conducting means, a terminal at the corresponding end of each of said fuse tubes, a fuse link in each fuse tube electrically connected to the terminal associated with said fuse tube, all of said fuse



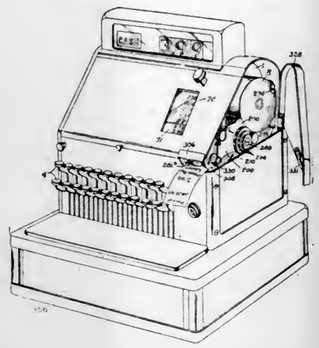
links being electrically connected to said one spaced conducting means, said fuse tubes being mounted so that all of said terminals are spaced a predetermined distance from said other spaced conducting means, and a back-up gap connected between said spaced conducting means in parallel with the circuit through all of said fuse tubes.

2,380,256
REFRIGERATING APPARATUS
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 11, 1944, Serial No. 525,974
3 Claims. (Cl. 211—153)



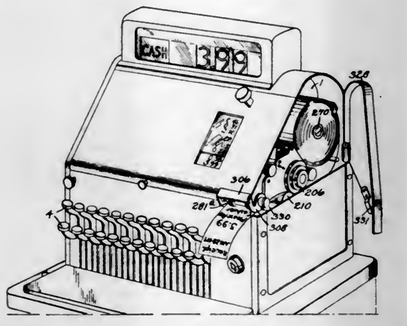
2. A food supporting shelf for use in a domestic refrigerator comprising a rectangular frame including a hollow member at one end thereof formed with a plurality of spaced openings in one face thereof, a leaf spring in said hollow member, said spring having portions thereof bent toward the openings in said hollow member, a rod extending from each end of said hollow member and bent so as to form with said hollow member said rectangular frame, a supporting member mounted on said rod opposite each of the openings in the hollow frame member, and a plurality of glass strips removably mounted on said rectangular frame with one end of each of said strips resting in one of said supporting members and with the opposite end of each of said strips projecting into one of the openings in said hollow member and with said spring urging said strips toward said supporting members.

2,380,257
CASH REGISTER
Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application February 12, 1940, Serial No. 318,501
17 Claims. (Cl. 101—93)



1. The combination in a cash register of the class disclosed having a plurality of sets of type carriers and a roller-platen type of printing mechanism; of means for supporting the roller-platen so that it may be moved across the faces of the sets of type carriers to make printing impressions, means for mounting said platen roller on said supporting means comprising a shaft carried by said supporting means having a centrally located eccentric rib on it of greater diameter than said shaft, said roller-platen having an opening therethrough in which said shaft is positioned which opening has a diameter substantially equal to that of said rib, and said shaft being rotatably adjustable and provided with means for holding it in different adjusted positions whereby said eccentric rib may be adjusted to vary the position of said roller-platen to vary the intensity of the printing impressions.

2,380,258
CASH REGISTER
Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Original application February 12, 1940, Serial No. 318,501. Divided and this application December 30, 1943, Serial No. 516,154
6 Claims. (Cl. 164—84.5)

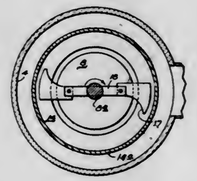


1. The combination in a cash register having a check issuing mechanism; of a pair of feed rolls for feeding a check-strip, one of said rolls being movable relative to the other to separate them to permit side insertion of said check-strip, and a tear-off blade movable from an operative to an inoperative position where it is out of the path of said check-strip, said tear-off blade having means associated with it normally preventing it from moving when the check-strip is torn off against it, said means also acting to hold said feed rolls engaged and, when said tear-off blade is forcibly moved toward its inoperative position, acting to separate said feed rolls and to then free said blade to permit it to be moved to its inoperative position where said means then acts to releasably hold said blade and said feed roll against return to normal.

2,380,259
CLEANSING COMPOSITION
Frederic E. Pierce, Los Angeles, Calif.
No Drawing. Application April 6, 1942, Serial No. 437,776
3 Claims. (Cl. 252—135)

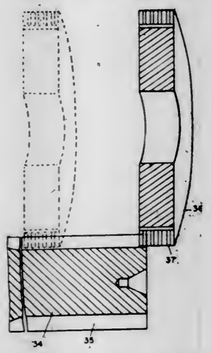
1. A composition for use in making aqueous solutions for the treatment of vegetables and fruit for the removal of spray residues therefrom and for the treatment of trees for the control of scale thereon comprising: 17% to 38% by weight of trisodium phosphate, 25% to 75% by weight of a double salt of trisodium phosphate and sodium nitrate and 12% to 38% by weight of tetrasodium pyrophosphate.

2,380,260
STOKER
John Mason Pilcher, State College, and Frank F. Dennis, Philadelphia, Pa., assignors to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa., a corporation of Pennsylvania
Application April 19, 1944, Serial No. 531,824
7 Claims. (Cl. 110—45)



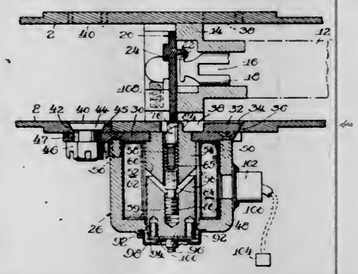
1. An underfeed stoker comprising the combination of a substantially vertical retort provided with a main combustion tuyère at the upper portion where active combustion occurs, means for supplying coal to the lower end of said retort, a vertical screw disposed in said retort for moving coal upwardly in the retort, the upper end of said screw being disposed below the plane of said tuyère, a supplementary continuously unobstructed tuyère disposed in the retort wall below said main combustion tuyère for supplying an oxidizing agent to the coal engaged by said screw in a region where the coal is heated but not plastic, conduits for supplying an oxidizing agent to the said tuyères, and a scraper member extending into said supplementary tuyère and loosely carried by the shaft of said screw for movement relative to said tuyère opening.

2,380,261
METHOD OF SHAVING GEARS
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application January 10, 1944, Serial No. 517,726
2 Claims. (Cl. 90—1.6)



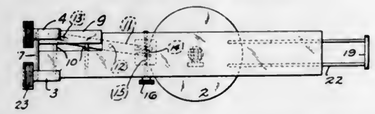
1. The method of shaving the teeth of a blind gear member which comprises rotating the blind gear member and a circular gear-like cutter member in mesh and at crossed axes, meanwhile effecting a relative translation of the members in opposite directions so that a relative reciprocation of the members is effected between a position in which the cutter member extends partly beyond the open end of the gear member and a position in which the cutter member is located adjacent the blind end of the gear member, and relatively feeding the members toward each other at the first mentioned position only.

2,380,262
SOLENOID INITIATING MECHANISM FOR MACHINE GUNS OR OTHER DEVICES
La Vern Edward Quinnell and John C. Koonz, Fort Wayne, Ind., assignors, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application May 10, 1941, Serial No. 392,826
3 Claims. (Cl. 89—28)



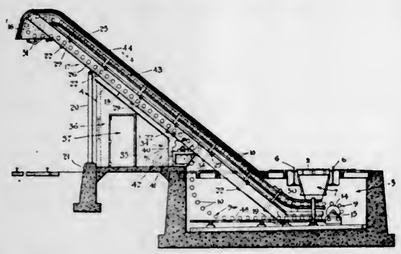
1. Firing pin release mechanism for automatic firearms having a breech bolt, a transversely and horizontally movable sear carried by the breech bolt, and means for biasing the sear in one direction to engage the firing pin to hold it in cocked position, comprising a solenoid, means for energizing said solenoid, a fixed core and a cooperating plunger disposed within said solenoid, a sear-operating pin housed within said plunger and core and having an angularly disposed face adapted to engage the sear in its operative position, and means for adjusting the position of said pin with relation to the sear, comprising pins mounted in openings in said plunger, a plate secured to said pins, a cap member closing the end of the solenoid, an adjustment lever secured to said plate and pivotally mounted in said cap, and a plurality of notches in the outer surface of said cap adapted to be engaged by said adjustment lever.

2,380,263
APPARATUS FOR MEASURING THE DISTANCE BETWEEN VISUAL AXES OF THE EYES AND FOR DETERMINING VERTICAL INBALANCE OF THE EYES OR EYEGLASS LENSES
Herbert C. Rees, San Antonio, Tex.
Application June 7, 1941, Serial No. 396,984
5 Claims. (Cl. 88—20)



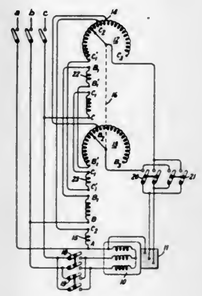
1. In an apparatus for determining subjectively during binocular vision of a patient's eyes the distance between the visual axes of said eyes in a plane closely adjacent to the eyes, an elongated table including a portion applicable to the patient's face adjacent to the eyes, a pair of objects optically opposite the eyes when the table portion is so applied, and movable to and from each other transversely of the line of vision of the eyes, means providing for the view of the right hand object by the left hand eye only and of the left hand object by the right hand eye only, a single sighting device optically midway said table portion and said objects and with which the lines of vision from both eyes to the respective objects will intersect simultaneously when the objects are spaced apart the same distance as the lines of vision at said plane during binocular vision, and cooperative scale means associated with the objects and indicating the distance between the centers of the objects.

2,380,264
CINDER DRAINING AND DISPOSAL PLANT
Walter C. Richardson, Montreal, Quebec, Canada
Application May 3, 1944, Serial No. 534,003
In Canada February 2, 1944
9 Claims. (Cl. 198—53)



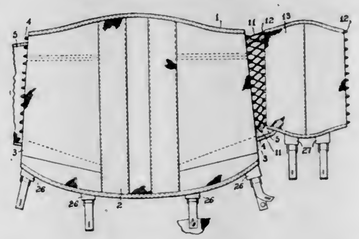
1. A cinder plant comprising a pit, a hopper through which cinders are dropped into said pit, a lower idler roll arranged in the pit below and to one side of the hopper, an upper idler roll located a substantial distance above and to one side of the pit, the upper idler roll being also located at the opposite side of the hopper from the lower idler roll, an endless cinder conveyor trained around said idlers, a pair of vertically inclined, laterally spaced frame members lying at opposite sides of said conveyor, said inclined frame members carrying the upper idler roll between their upper ends and having their lower ends anchored to the bottom of the pit at the opposite side of the hopper from the lower idler roll, a pair of upper track rails carried by said inclined frame members and extending longitudinally thereof, said upper track rails extending downwardly from a point adjacent the upper idler roll to a point adjacent the lower end of the inclined frame members and being then directed horizontally beneath the hopper to a point adjacent the lower idler roll, a pair of lower track rails also carried by and extending longitudinally of said inclined frame members, said lower track rails extending downwardly from a point adjacent the upper idler roll to a point located above and to one side of the pit opening, an additional pair of track rails located on the bottom wall of the pit and extending from a point adjacent the lower idler roll to a point adjacent that side of the pit which is nearest the lower ends of the lower track rails carried by said inclined frame members, said conveyor being provided with supporting rollers which run on said track rails, the rollers of the upper flight of the conveyor running on the horizontal and inclined portions of the upper track rails carried by said inclined frame members while the rollers of the lower flight of said conveyor run on the lower track rails carried by said inclined frame members and on the track rails mounted on the bottom wall of said pit, driving sprockets arranged adjacent the lower ends of the lower track rails carried by said inclined frame members to engage the lower rollers of the conveyor and thereby drive the conveyor in a direction such that the upper flight of the conveyor travels upwardly along the inclined frame members, the portion of the lower flight of the conveyor located between the drive sprockets and the lower idler roll being sagged so that the rollers thereof travel on the rails mounted on the bottom wall of the pit.

2,380,265
ADJUSTABLE TRANSFORMER REGULATOR
Percy W. Robinson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 2, 1943, Serial No. 481,566
9 Claims. (Cl. 172—274)



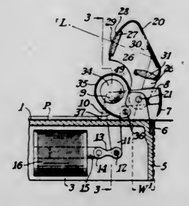
1. In combination with a polyphase source of supply, a polyphase load, and means for impressing a substantially balanced polyphase voltage on said load from said source which voltage varies in magnitude and phase relation relative to the source of supply, said means including a plurality of separate single-phase auto transformers, each having a winding connected across two phases of said source through a winding section on another of said transformers, such connections for the different transformers being across different phases of said source, said transformers having taps which are independent of the last-mentioned connections, adjustable along said windings and connected to the load the adjustable taps on the different transformers being mechanically connected together so as to be adjustable in fixed relation to each other, said taps having a range of adjustment along their transformer windings past the points which are connected to the winding section on another transformer.

2,380,266
CORSET-TYPE GARMENT
Augusta Roth, Cleveland, Ohio
Application June 5, 1942, Serial No. 445,905
4 Claims. (Cl. 2—43)



1. An article of the character described having in combination, a supporting garment having a front and rear section, flexible fabric elements connecting such front and rear sections to each other for relative movement thereof through the flexing of such connecting elements, and a plurality of fabric stays at each of the marginal portions of said front and rear sections, each fabric stay being formed of folded fabric layers of relatively stiff fabric structure united by a plurality of closely spaced rows of stitches restraining such fabric stays from excessive edgewise movement and affording free flexibility of such stays transversely at right angles to their width.

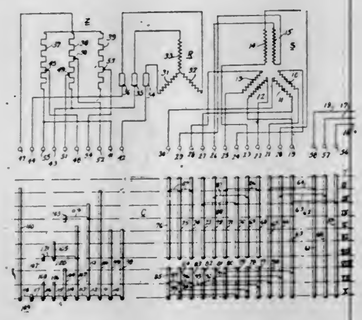
2,380,267
PRINT TRIMMING GAUGE
Roger A. Ruth, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 3, 1944, Serial No. 556,918
16 Claims. (Cl. 164—43)



1. An attachment for print trimmers including a base, stationary and movable knives carried at one end of the base and means for operating the movable knife, said attachment comprising a housing, means for attaching the housing to the trimmer adjacent the knives thereon, a window in said housing extending parallel to said knives and extending along the greater part of the

length of said knives, and optical means carried by the housing for focusing a portion of a print to be cut upon said window, said housing including means for determining the alignment of the print relative to said knives.

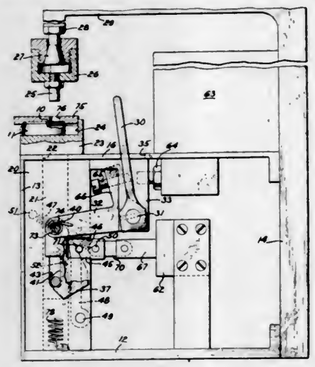
2,380,268
MOTOR CONTROL
Ernst L. Schwarz, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application January 10, 1942, Serial No. 426,277
1 Claim. (Cl. 172—274)



In a motor control system, the combination comprising a motor having a poly-phase stator with at least two part windings in each phase, and a poly-phase wound rotor, variable resistance means connected to said rotor and forming a rotor circuit, and a controller arranged to be selectively moved through a plurality of positions representing different motor speeds, said controller having means thereon for connecting the part windings in each stator phase in series throughout a first predetermined number of positions and then in parallel throughout a second predetermined number of positions, said controller also having means thereon for maintaining one phase of said rotor circuit open throughout a first part of said first predetermined number of positions while changing the resistance value for each position of said first part of said first predetermined number of positions, then connecting the rotor circuit for poly-phase operation throughout the remaining positions and varying the resistance in the rotor circuit in a predetermined manner for each said remaining positions.

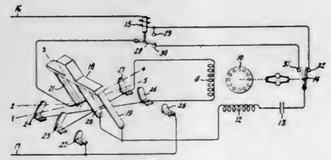
2,380,269
APPARATUS FOR BONDING ONE ARTICLE TO ANOTHER
George Stuhlfauth, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 13, 1944, Serial No. 518,088
16 Claims. (Cl. 154—1)

16. In an article bonding apparatus, a support for an article, a movable heating element adjacent said article support, means for suspending said element in position to be lifted and supported by an article on the article support, means for moving said article support to engage said article with said heating element to cause said heating element to be supported by said article, means engageable with the article support for retaining said article support in the position in which the article is engaged with said heating means, means for disengaging said retaining means from said article support after a predetermined time, and



means associated with said disengaging means for disengaging said article support moving means from said article support.

2,380,270
QUICK REVERSING SINGLE PHASE MOTOR
Fred W. Suhr and Wilbur W. Warner, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application February 8, 1944, Serial No. 521,516
11 Claims. (Cl. 172—279)

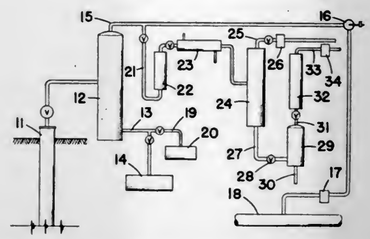


1. A quick reversing single phase motor having axially displaced main and starting primary windings, a condenser in series with the starting winding, a speed responsive switch in the starting winding circuit having a movable contact and stationary start and running contacts, a relay having an energizing winding in series between a first line terminal and the starting contact of the speed responsive switch and a movable contactor which when the relay is energized establishes a connection from such contactor to the starting contact of the speed responsive switch and when the relay is deenergized establishes a connection from such contactor to the running contact of the speed responsive switch, and a double throw switch between a second line terminal and the motor providing connections from such line terminal to one end of the main winding and that end of the starting winding circuit not connected to the speed responsive switch, and for connecting the other end of the main winding to said movable contactor when said double throw switch is closed and for disconnecting the motor from said second line terminal when said double throw switch is open, said switch reversing the said end connections to the main winding relative to the other connections when moved from one closed position to the other closed position.

10. A quick reversing single phase motor having axially displaced main and starting windings, a condenser in the starting winding circuit, a speed responsive switch for opening and closing the starting winding energizing circuit as the

motor accelerates to and decelerates from normal running speed respectively, relay means responsive to flow of energizing current in the starting winding circuit for establishing an energizing circuit for the main winding which circuit is also a holding circuit for said relay means, whereby said relay means remains energized after the speed responsive switch opens during a starting operation until said main winding energizing circuit is otherwise opened, a double throw switch and connections thereto for reversing the main winding and for completing the energizing circuits for both motor windings and connections made only when said relay means is deenergized for conecting the motor windings in series relation with the condenser for regenerative braking purposes.

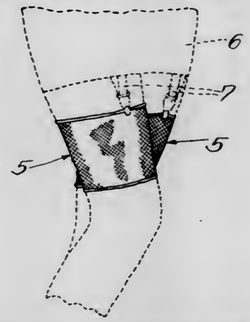
2,380,271
METHOD FOR OBTAINING HIGH PRESSURE DISTILLATE SAMPLES
Robert J. Sullivan and Joe Miller, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 2, 1942, Serial No. 429,157
4 Claims. (Cl. 73—421)



1. A method of obtaining a representative sample from a high pressure distillate well comprising the steps of producing the well at such a rate as to maintain a substantially constant gas-oil ratio, passing the output of the well into a separator maintained under conditions to separate the output into an overhead fraction and a bottoms fraction for a known interval of time, determining the ratio of the overhead fraction to the bottoms fraction, diverting a small portion of the overhead fraction through a drying zone, a chilling stage and into a second separating zone maintained at a high pressure and low temperature, removing the bottoms from said second separating zone and passing it into a third separating zone maintained at a lower pressure and a higher temperature, removing the bottoms from said third separating zone as a liquid fraction, determining the volume of the diverted portion of gas, determining from such volume and the gas-oil ratio the volume of liquid separated in the first separating zone corresponding to the volume of the diverted gas and combining such a volume of liquid from the first separating zone with the liquid fraction from the third separating zone.

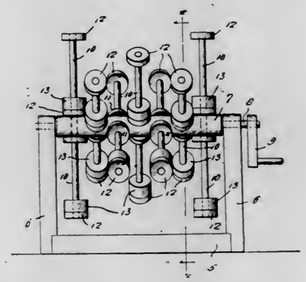
2,380,272
ANCHORING MEANS FOR FOUNDATION GARMENTS
Edward R. Sutter, Chicago, Ill., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1942, Serial No. 460,606
5 Claims. (Cl. 2—313)

5. An anchoring means for a foundation garment to be worn on the thigh in the absence of stockings comprising a wide band of thin, flexible material stretchable in a direction longitudinally of the band and having substantially no



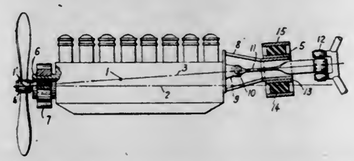
stretch circumferentially, the band tapering from its upper to its lower edge to conform to the shape of the thigh.

2,380,273
SOUNDING TOY
Kenneth W. Taplin, Minneapolis, Minn.
Application April 24, 1944, Serial No. 532,486
6 Claims. (Cl. 46—191)



1. A toy of the class described and including a shaft, means rotatably supporting the shaft, means for rotating the shaft, a guide member extending radially from the shaft, a slidably mounted member on the guide member, and stop means adjacent the outer end of the guide member a substantial distance from the shaft and being struck by the slidably mounted member upon the swinging movement of the guide member from a position above the shaft to a position below the shaft.

2,380,274
AIRPLANE ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.; Eleanor J. Trott executrix of said Rolland S. Trott, deceased
Application November 4, 1940, Serial No. 364,185
7 Claims. (Cl. 248—5)



1. In an airplane engine and propeller unit the propeller being rigidly mounted upon a revolving

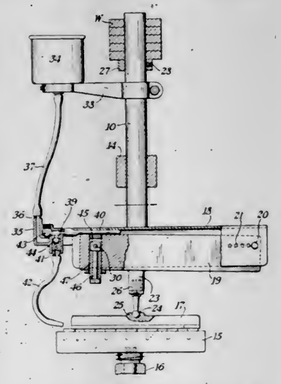
shaft carried by the engine and providing the load for the engine, and the engine case being normally un-counter-weighted, a cross member pivotal support pivotally supporting the end of the engine adjacent the propeller and located concentric with said propeller, cushion means supporting said pivotal support on the airplane, and means mounting and locating the end of the engine unit opposite said propeller on the airplane for adjustably opposed and automatically controlled oscillatory movements, said mountings forming an axis of oscillation for the engine and propeller unit located to pass through the center of mass of the propeller and through the center of mass of the engine.

2,380,275

METHOD AND APPARATUS FOR POLISHING GLASS AND LIKE SUBSTANCES

John R. Turner, John H. McLeod, and Glenn H. Bullock, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 14, 1943, Serial No. 482,992
19 Claims. (Cl. 51—263)



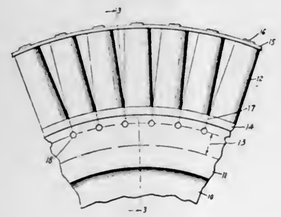
1. An apparatus for polishing a surface and comprising in combination a work holding tool on which a piece to be polished is adapted to be mounted, a polishing tool adapted to be moved in contact with said work, means for oscillating one of said tools relative to the other and for applying a downward pressure thereon, said last mentioned means including a spindle oscillating mechanism, a spindle adapted to be oscillated by said mechanism and free to move vertically relative to said tools, means normally urging said spindle in a downward direction, an articulated driving and pressure transmitting connection between the oscillatable tool and spindle, and comprising a member pivoted adjacent one end to said spindle and pivoted adjacent the other end to said oscillatable tool so that said pivot points are relatively spaced in two directions and the downward force acting on the spindle is applied to the tool at an angle to the horizontal and in a direction to oppose the kinetic frictional force between the polishing tool and the work when the oscillatable tool is moving in one direction, whereby said articulated member is adapted to move to and from the spindle as the tool oscillates when the work becomes so dry that the kinetic friction exceeds that value established by the relative location of said pivot points and the moments of force acting on said member about said points, and the reciprocal movement of said pivoted member indicates the need for the addition of a lubricant to the work, a flexible tube having one end connected to a source of lubricant and the other end connected with a discharge conduit, a pair of check valves associated with opposite ends of said tube so that an expansion of the tube allows the same to fill up from the source and a compression of the tube causes a discharge of the lubricant through the discharge conduit, said tube located between the spindle and articulated member so as to be repeatedly expanded and compressed when the relative displacement between the two varies, and thereby pump lubricant onto the work when, and during the time, the work is so dry that the kinetic frictional force is in excess of said established value.

2,380,276

WELDED STRUCTURE

Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 3, 1944, Serial No. 516,873
7 Claims. (Cl. 253—77)



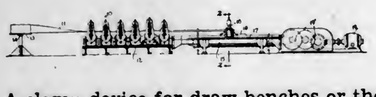
1. In an elastic fluid turbine, a blade carrying support, a plurality of blade bases having adjacent surfaces abutting one another, and a cast metal joint between the surface of said blade carrying member and the ends of said blade bases, said cast metal joint and said blade bases having rounded surfaces forming holes extending transversely thereof and constituting the terminal portion of the cracks formed by said abutting surfaces of said blade bases at said joint.

2,380,277

CLAMP FOR DRAWBENCHES OR THE LIKE

William A. Weightman, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application February 15, 1940, Serial No. 318,983. Divided and this application January 6, 1942, Serial No. 425,747
6 Claims. (Cl. 153—35)



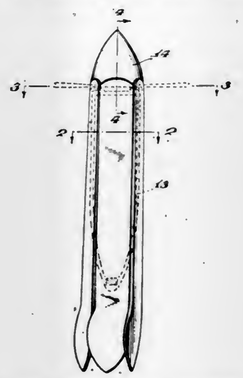
1. A clamp device for draw benches or the like comprising a clamp structure having legs extending in the direction of draw and forming a widened base for supporting and guiding it on a runway, clamping members in said structure adapted to receive and clamp between them the work being drawn, one of said clamping members being movable in said structure transversely to the direction of draw and toward and away from the other clamping member and having its clamping reaction taken up by a wedging means pointing in the direction of draw, and a draw connection from said wedging means to a source of power, the plane of said connection and the plane in which the work is clamped being offset from each other, the widened base opposing tilting of the clamp due to said offset relation.

2,380,278

AERIAL APPARATUS

Eugene Weissman, Baltimore, Md.

Application April 8, 1944, Serial No. 530,216
6 Claims. (Cl. 244—138)



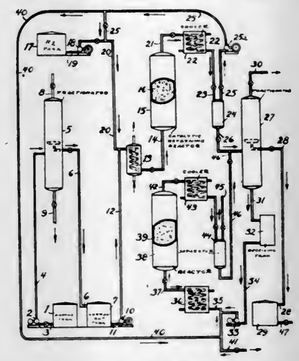
1. An aerial apparatus comprising a hollow vertically projectible capsule including a solid pointed nose portion, a series of substantially flat blades surrounding the capsule and hingedly connected near their root ends to the base of the nose portion for movement into a substantially horizontal plane upon downward gravitational movement of the capsule, each blade consisting of a body portion and a tip portion, the opposite side surfaces of the body portion converging toward the leading edge of the blade substantially throughout the length of the body, and the trailing edge portion of the body of the blade gradually increasing in thickness from the root toward the tip portion of the blade.

2,380,279

PRODUCTION OF AROMATICS

Albert B. Welty, Jr., Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 20, 1942, Serial No. 443,711
2 Claims. (Cl. 260—668)



1. An improved process for producing substantially pure toluene from petroleum distillates which comprises segregating from a petroleum distillate a fraction boiling between 200–300° F., subjecting this fraction to catalytic reforming in the presence of hydrogen in an operation resulting in a net production of hydrogen, segregating from the products of catalytic reforming a fraction boiling from 200 to 250° F. and a fraction boiling above 250° F., subjecting the fraction boiling above 250° F. to catalytic cracking in the presence of at least a portion of the net hydrogen produced in the catalytic reforming in the presence of hydrogen, segregating from the products of catalytic cracking a fraction boiling between 200 and 250° F. and a fraction boiling above 250° F., recycling the last-named fraction to the catalytic cracking, combining the fractions boiling between 200 and 250° F. found in the products of catalytic reforming and catalytic cracking, respectively, subjecting these combined fractions to extraction with a solvent having a preferential solvent power for aromatic hydrocarbons, subjecting the solvent-free extract to treatment with sulfuric acid to remove unsaturated hydrocarbons therefrom, and fractionating the thus acid-treated material to obtain substantially pure toluene.

2,380,280

CHEMICAL SENSITIZING OF EMULSIONS

Walter J. Weyerts, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 6, 1943, Serial No. 478,303
12 Claims. (Cl. 95—7)

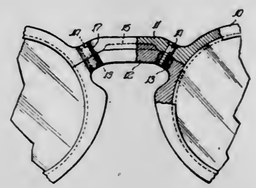
1. The method of increasing the speed of a silver halide photographic emulsion, which comprises adding thereto from 5 to 25 grams per liter of a water-soluble salt of an unsaturated, lower aliphatic acid.

2,380,281

EYEGLASSES

Willis A. Whipple, Chicago, Ill., assignor to Chicago Eye Shield Company, Chicago, Ill., a corporation of Illinois

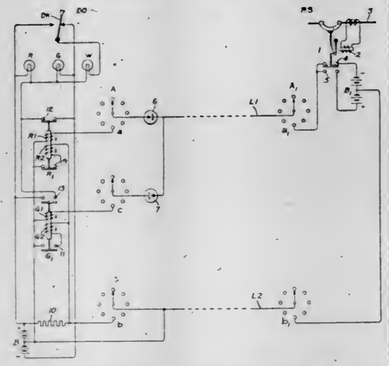
Application November 26, 1942, Serial No. 466,980
3 Claims. (Cl. 88—41)



1. A frame for glasses constructed from plastic material having portions for surrounding and holding the lenses in place, a bridge connecting said lens holding portions, said bridge being split lengthwise from one lens holding portion to the other substantially at right angles to the front and rear faces of the bridge to provide squared faces for said split portions to be drawn into face-to-face position with respect to each other and to permit the parts thereof to be separated and enlarge the openings for the glass retaining portions and means for securing the portions of said bridge together, said means including an interlock between intermediate portions of the bridge, and said interlock comprising an up-

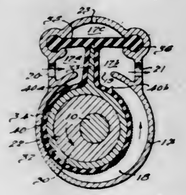
standing portion on the top of a lower intermediate section of said bridge and a recessed portion in the bottom of an upper intermediate section of said bridge engageable with said upstanding portion.

2,380,282
REMOTE SIGNALING SYSTEM
Leo D. White, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 28, 1941, Serial No. 416,841
5 Claims. (Cl. 177—353)



1. In combination, two stations, two conductors interconnecting said stations, a movable device at one of said stations having two positions, two relays at the other station, each relay having an operating winding and a holding winding, a source of current, means controlled by each relay when in its energized position for connecting the holding winding thereof across said source, means for impressing across said conductors a voltage of a polarity dependent upon the position of said device, and means for effecting simultaneously the deenergization of the holding winding of each energized relay and the connection of said operating windings across said conductors in such a manner that current flows through one of said operating windings only when a voltage of a predetermined polarity is impressed across said conductors and current flows through the other of said operating windings only when a voltage of the opposite polarity is impressed across said conductors.

2,380,283
ROTARY PUMP
Cornelius W. Van Ranst, Dearborn, Mich.
Application March 13, 1942, Serial No. 434,527
2 Claims. (Cl. 103—132)

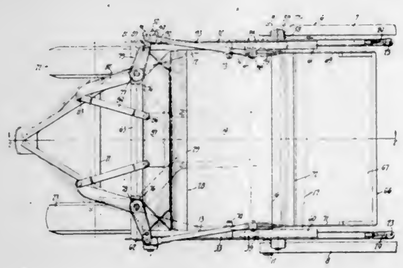


2. A rotary pump, comprising a body portion having a pumping chamber and another body portion having a supplemental chamber, the two chambers being in communication and the last mentioned body portion being provided with opposed intake and exhaust ports for said supplemental chamber, a revolvable eccentric member mounted in said pumping chamber, a piston member having the major portion of its exterior circumferential wall surface provided with closely spaced radially extending flexible ribs transversely disposed with respect to such wall surface, said piston member being mounted on said eccentric member for eccentric motivation therewith to maintain a moving substantially fluid-tight surface contact between said piston member ribs and the interior wall of said pumping chamber, said piston member having an arm extending radially therefrom into said supplemental chamber between said intake and exhaust ports and connected to an intermediate portion of a flexible web having its ends anchored to the body portion of said supplemental chamber, said ports lying on that side of said web which is toward said pumping chamber, and an air vent for that portion of the supplemental chamber which lies on the opposite side of said web.

2,380,284
METHOD OF CLEANING FERROUS METAL ARTICLES
James H. Young, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1942, Serial No. 469,703
2 Claims. (Cl. 252—156)

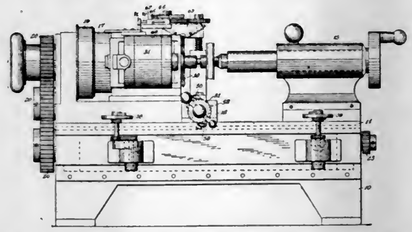
1. The method of removing impurities in the form of oxides from a ferrous metal article which comprises subjecting said article to the cleaning action of a fused bath consisting essentially of a substantially homogeneous, anhydrous, eutectic mixture of alkali metal hydroxide and alkali metal cyanide, while maintaining said bath at a temperature below 600° C.

2,380,285
EXCAVATOR
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application October 7, 1941, Serial No. 413,930
8 Claims. (Cl. 37—126)



5. An excavator comprising a frame including a main bowl, a front apron mounted to swing toward and away from the front end of said bowl, an earth pusher mounted to close the rear end of said bowl and to move into said bowl, a rocker pivoted on said frame behind said pusher, a link extending forwardly from said rocker to said front apron, and connecting means extending forwardly from said rocker to said pusher.

2,380,286
MACHINE FOR AUTOMATICALLY GRINDING THREAD GAUGES AND THE LIKE
William J. Bauer, New York, N. Y., assignor of fifty one-hundredths to John L. Dudley and fifty one-hundredths to James J. Moroney, both of Pleasantville, N. Y.
Application July 10, 1942, Serial No. 450,427
6 Claims. (Cl. 51—50)



5. In a machine for grinding metal articles: a supporting frame, a support for a blank carried by said frame, means to rotate the blank in the support, a rotary grinder associated with the support adapted for movement radially toward and away from a blank retained therein and including a laterally and longitudinally movable supporting carrier bearing oppositely disposed open nut elements, a pair of lead screws and means to rotate the same continuously, and means actuated from the movement of one of the screws to displace laterally the carrier into engagement with the other of the screws.

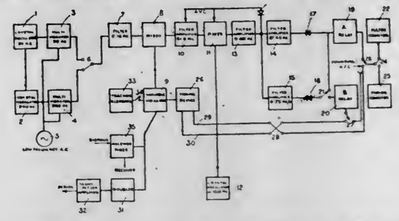
2,380,287
DOWEL PIN
Emil A. Baumbach, River Forest, Ill.
Application June 11, 1942, Serial No. 446,563
3 Claims. (Cl. 85—19)



1. A fastening member for use to form joints capable of sustaining high stresses comprising a substantially cylindrical body, grooves in the cylindrical surface intersecting other grooves, and bearing surfaces defined by the grooves conforming substantially to the cylindrical contour and having substantially greater area than the area of the grooves to provide a large bearing surface, said grooves being wider at the top than at the bottom whereby the edges of the grooves broach the material into which the fastening member is driven, the entire surfaces between said grooves lying in said cylindrical surfaces, said grooves extending to the entering end of the cylindrical surface.

2,380,288
MULTICHANNEL RADIO SIGNALING SYSTEM
Norman Richard Bligh, Harrow, Douglas Max Heller, Wembley, and Luis Charles Stenning, Ealing, London, England
Application April 24, 1943, Serial No. 484,332
In Great Britain April 27, 1942
28 Claims. (Cl. 250—6)

1. A signaling system in which a receiver can be set to receive signals from a selected transmitter without actually receiving signals from such transmitter, said system comprising a group of at least three radio stations, each consisting of a transmitter, a superheterodyne receiver, or both, and said system including at least one transmitter and one such receiver; each transmitter and receiver comprising a standard oscillator having a fundamental natural frequency f_0 which is the same for all transmitters and receivers, means for generating from the fixed frequency oscillations emitted by the standard oscillator a plurality of oscillations having frequencies mf_0 where m is



an integral number, an oscillator whose frequency of oscillation f is variable and able to cover the range F_L to F_H within which lie a plurality of frequencies on which the transmitters and receivers of the system may communicate, means for establishing, at least approximately, a predetermined relationship R_0 between the frequency f and any selected frequency of the plurality mf_0, and automatic means for maintaining that relation when once established.

2,380,289
MILITARY AIRCRAFT
Vincent J. Burnelli, Matawan, N. J., assignor to V. J. Burnelli Airplanes Inc., Red Bank, N. J., a corporation of New Jersey
Application November 26, 1940, Serial No. 367,209
1 Claim. (Cl. 244—124)



An all-wing airplane comprising a central lifting fuselage section that is composed of separable spanwise units and means for detachably connecting said units, one to another, one of said units having less width than adjacent units, said one unit providing quarters for the entire crew and controls of the airplane and having protective armor, whereby said one unit is readily replaceable, said arrangement providing for weight conservation of the entire airplane.

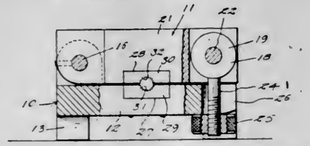
2,380,290
CARGO CARRYING AIRPLANE
Vincent J. Burnelli, Matawan, N. J., assignor to V. J. Burnelli Airplanes Inc., Red Bank, N. J., a corporation of New Jersey
Application September 6, 1941, Serial No. 409,785
2 Claims. (Cl. 244—118)



1. In an all-wing airplane, having a wide central wing section, front and rear beams in said section, a series of compartments permanently fixed between said wing beams in said central wing section, spanwise thereof, each compartment having a bottom opening and a top, removable containers for said compartments hav-

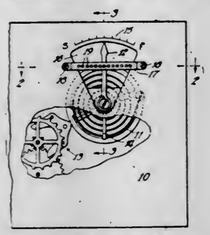
ing an upper contour agreeing with the lower contour of the top of said compartment for providing a snug fit between the upper surface of the container and the lower surface of the top when the container is disposed in position within the compartment, a cable for each compartment anchored to one of said wing beams, pulleys and a drum for each compartment connected to the other wing beam, the cable being passed over said pulleys and engaged with said drum to be wound on the latter, a single main shaft extending transversely across the central wing section, a motor to drive said shaft, an individual jack shaft mounted in each compartment to rotate the drum therefor, clutch and gear means between the main shaft and each jack shaft for the selective operation of the latter, and pulley means on each container for engagement by said cable in the manner of a sling to move said container into and out of its individual compartment.

2,380,291
DRILLING JIG
Fred H. Cameron, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application December 17, 1943, Serial No. 514,682
2 Claims. (Cl. 77—62)



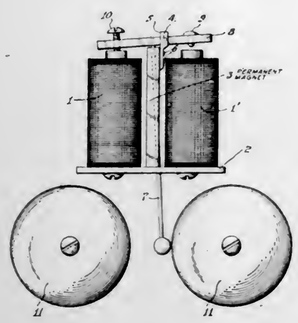
1. A drill jig or chuck for drilling an article without creating a burr, comprising a pair of article clamping jaws, each jaw having a recess therein, confronting article gripping inserts in said recesses, each insert having a groove formed with threads for a portion of the length thereof, means securing said inserts in said recesses, positioning means for accurately positioning said inserts in said recesses, and means for holding said jaws in clamping position, said jaws having axially aligned drill guide openings and said inserts having openings registering with said jaw openings.

2,380,292
WATCH AND CLOCK REGULATOR
Lawrence M. Campau, Detroit, Mich.
Application March 13, 1944, Serial No. 526,165
2 Claims. (Cl. 58—109)



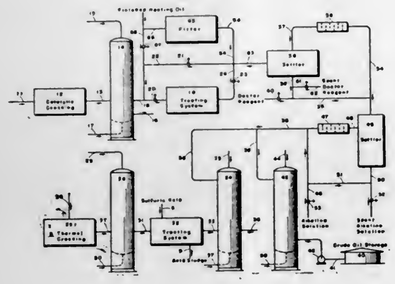
1. A watch or clock regulator comprising a regulating lever, a clock case having an opening in a wall thereof through which access may be had to said lever, and a bridge overlying said opening and lever and secured to the clock case, said bridge having a multiplicity of closely spaced apertures therein through which a prying instrument may be inserted and rocked against the edge of the regulating lever to move it a minute distance.

2,380,293
MAGNETICALLY BIASED TELEPHONE RINGER
Louis W. Carroll, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1942, Serial No. 453,516
3 Claims. (Cl. 177—7)



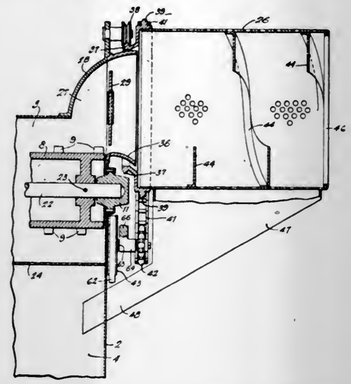
1. In a biased electro-magnetic ringer, two electro-magnets, a permanent magnet, means for supporting the magnets, an armature cooperating with said magnets and having its center aligned with the permanent magnet and adjacent to one pole thereof a magnetic connection between the other pole and said electro-magnets, a pivotal mounting for said armature engaging it at a point between its center and one end, and a clapper-arm attached to the armature at its center.

2,380,294
METHOD OF TREATING AND BLENDING HEATING OILS
Artie Q. Cato, Houston, George Wash, Goose Creek, and Albert J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 12, 1944, Serial No. 522,124
8 Claims. (Cl. 196—33)



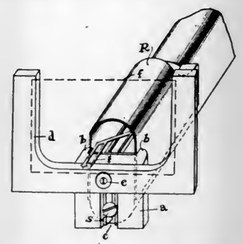
1. In a process for producing a heating oil the steps of subjecting a mixture of heating oil fractions from a thermal cracking operation and from a crude petroleum to treatment with an alkaline reagent, separating alkaline reagent from the treated mixture, doctor sweetening the treated mixture of heating oil fractions and admixing the doctor sweetened product with a heating oil fraction from a catalytically cracked product to obtain a blended heating oil.

2,380,295
CORN SHELLER
Charles F. Crumb, Clarendon Hills, and Edward R. Gerber, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application March 8, 1943, Serial No. 478,376
6 Claims. (Cl. 130—6)



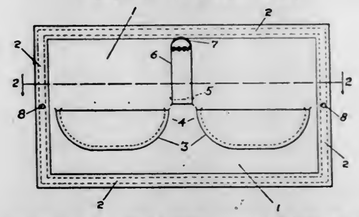
1. A corn sheller, comprising a shelling chamber, a rotating roll having projecting lugs within said shelling chamber, a perforated under plate for said shelling chamber, a corn cleaning chamber beneath said perforated plate, the top of the shelling chamber having a cob-removing aperture, a spout covering said aperture having a mouth at right angles to said aperture, a rotary cylindrical screen, said spout communicating with said rotary screen, spiral ribs fixedly attached internally of the said rotating screen, a receptacle beneath said rotary cylindrical screen, and a trough extending downwardly from said receptacle into said cleaning chamber.

2,380,296
DEVICE FOR USE IN ZEROING DUMMY RIFLES AND OTHER DUMMY FIREARMS USED FOR TRAINING MARKSMEN
Zygmunt de Lubicz-Bakanowski and Frederick John Minns, Oxford, England, assignors to The Swift Rifle Company Limited, Oxford, England
Application June 11, 1943, Serial No. 490,502
In Great Britain April 18, 1942
1 Claim. (Cl. 273—101.2)



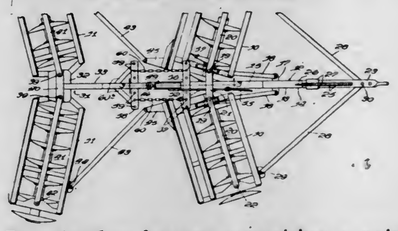
A sight zeroing or testing device for dummy rifles and like weapons comprising a block fitting on to the lower part of the front end of the rifle and having an open slot engageable with a grub screw attached to the front end of the rifle and by means of which it can be secured in the required adjusted position, a U-shaped frame pivoted to the block, and a strip of paper attached tightly across said frame.

2,380,297
EYEGLASS HOLDER
James O. Dibert, Altoona, Pa.
Application July 6, 1944, Serial No. 543,688
1 Claim. (Cl. 248—300)



A holder for eyeglasses comprising a plate, a pair of pockets attached to a face of the plate and arranged in closely spaced side by side relation, said pockets each substantially conforming in outline to the lower half of an eyeglass lens to receive the lower portions of such lenses of eyeglasses, and a forwardly and upwardly extending flat tongue secured to the said face of the plate and slightly spaced therefrom, said arm being located between the pockets and entirely thereabove.

2,380,298
HARROW
Jacob V. Dyrr, Bell, Calif., assignor to International Harvester Company, a corporation of New Jersey
Application August 10, 1942, Serial No. 454,202
8 Claims. (Cl. 55—83)



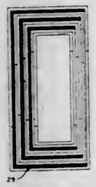
1. In a tandem harrow comprising a pair of front gangs, a pair of rear gangs, a front draft frame connected to the front gangs, and a rear draft frame connected to the rear gangs, the combination therewith of means connecting the draft frames in a longitudinal slide and vertical pivot connection providing relative fore-and-aft movement and relative pivoting between the frames, and flexible laterally spaced draft elements connecting the frames on opposite sides of and spaced from the slide-and-pivot connection whereby draft on the sliding and pivoting connection and tension in one of the flexible draft elements resists lateral movement of the rear draft frame during straight-ahead movement of the harrow and whereby the sliding connection permits angular movement of the rear frame relative to the front frame for turning movement of the harrow.

2,380,299
STABILIZED RUBBER COMPOSITIONS
Hector C. Evans, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 11, 1942, Serial No. 434,254
11 Claims. (Cl. 260—799)

1. A method of treating an unvulcanized rubber composition which comprises incorporating an

oil-soluble phenolate of a metal in the iron family of group VIII of the periodic table with the rubber.

2,380,300
PROCESS OF FABRICATING TRANSFORMERS
John R. Gaston, East Orange, N. J., assignor to American Transformer Company, Newark, N. J.
Application January 1, 1942, Serial No. 425,306
2 Claims. (Cl. 29—155.5)



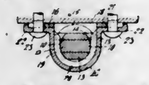
1. The process of fabricating a transformer including windings and a core, which consists in taking a flat strip of precoated lamination stock, cutting off pieces, a certain number of which are of the same length, then cutting off a certain number of other pieces differing in length from the first-mentioned pieces, bending the pieces across their flat faces into U shape, with one arm longer than the other, then building up stacks with pieces of progressively increasing length for at least the purpose of ease in assembly with the winding, also taking a similar strip of lamination stock and putting it through the same steps up to the point of bending, then bending these pieces across their flat faces into U shape with equal arms, then building up a stack with these pieces of progressively increasing length for at least the purpose of ease in assembly with the windings, then finally assembling the two types of stacks into the windings, utilizing the U-pieces with equal arms in spaced relation with the other laminations to increase the core area in the parts of the core exterior to the parts embraced by the windings as and for the purpose described.

2,380,301
BANDALORE TOY
Pete Gavriles, Laurel, Md.
Application April 19, 1945, Serial No. 589,192
3 Claims. (Cl. 46—61)



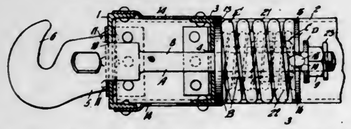
1. In a bandalore toy, the combination of a pair of rollers each roller consisting of opposed disks and a connecting axial hub, each of said disks having an axial opening upon their outer faces, a yoke member having opposed arms adapted to engage the openings of one of said rollers, and said yoke having a half loop for securement of the cord of the other of said rollers.

2,380,302
DOOR OPERATOR
William A. Geiger, Chicago, Ill., assignor to William P. Sidley, M. F. Back, Albert P. Withall, Edwin C. Austin, and George A. Johnson, all of Chicago, Ill., and Alice T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation
Application January 6, 1944, Serial No. 517,176
3 Claims. (Cl. 292—218)



1. In a device of the character described, the combination of a bearing bracket comprising a base member and a cover member forming when assembled a cylindrical bearing portion, an end member rotatably positioned in said bearing portion, an operating bar extending into said bearing portion in overlapping telescoped relation with said end member, and interlocking means within the bearing portion of the cover member and between the cover member the end member and bar for holding the bearing bracket, end member and bar against relative endwise displacement.

2,380,303
FRICTION DRAFT GEAR FOR RAILWAY CARS
William A. Geiger, Chicago, Ill., assignor to William P. Sidley, M. F. Back, Albert P. Withall, Edwin C. Austin, and George A. Johnson, all of Chicago, Ill., and Alice T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation
Application January 28, 1944, Serial No. 520,034
5 Claims. (Cl. 213—35)



1. In a railway draft rigging for a railway car having a front stop, the combination of a tapered friction post bearing against said front stop, a pair of pivoted shoes frictionally engaging said post and movable lengthwise thereof, seat members connected with said shoes, spring resistance means interposed between said front stop and said seat members, a pivot bearing member for said shoes, and a drawbar extending longitudinally through said post, springs and pivoted shoe members and connected to said bearing member for transmitting the pull of the drawbar to the pivots of said shoes.

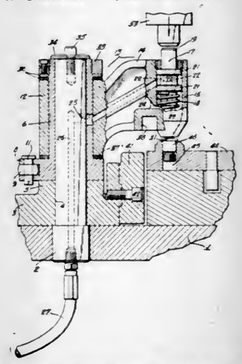
2,380,304
LUBRICATING OIL COMPOSITION
Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1942, Serial No. 470,818
8 Claims. (Cl. 252—56)

1. A lubricating composition comprising a mineral lubricating oil and between 0.5% and 5% by weight an oil-soluble co-polymer of a diolefin and an unsaturated ester.

2,380,305
LUBRICATING OIL COMPOSITION
Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1943, Serial No. 471,009
10 Claims. (Cl. 252—57)

2. A lubricating composition comprising a mineral lubricating oil and a polyester derived by the autocondensation of a phenyl-hydroxy derivative of an unesterified aliphatic acid, said polyester derivative being present in amount effective to favorably influence the viscosity-temperature relationships of the oil, and having a molecular weight not greatly in excess of 20,000.

2,380,306
TRANSFER MECHANISM
Howard Thomas Hallowell, Jr., Jenkintown, Pa., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa., a corporation of Delaware
Application January 23, 1943, Serial No. 473,383
2 Claims. (Cl. 214—1)

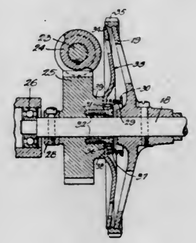


1. Transfer mechanism comprising in combination a pintle, a sleeve oscillatable on the pintle, a hub element embracing and frictionally attached to the sleeve so as to oscillate with the latter and to provide for lost motion between the hub and the sleeve, an arm projecting from the hub, a transfer member on the arm, stop means for limiting the angular movement of the hub, said means being adjustable to regulate the position of the transfer member at each end of said angular movement, and mechanism for oscillating the sleeve through an angle exceeding the angular movement of the hub.

2,380,307
OIL-SOLUBLE RESIN AND METHOD OF MAKING THE SAME
Arthur Haroldson, Newark, Del., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
No Drawing. Application August 15, 1942, Serial No. 454,987
13 Claims. (Cl. 260—19)

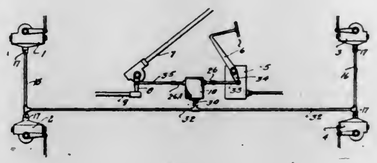
1. The process of making an oil-soluble phenol-formaldehyde resin which comprises combining together a heat-convertible, oil-incompatible phenol-formaldehyde resin and a reaction product obtained by heating together an unsaturated dicarboxylic acid having a —CO—C=C— group, an abietate of an alkyl alcohol having 1 to 5 carbon atoms and heat-treated, reactive soya bean oil.

2,380,308
CLUTCH
William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application May 12, 1943, Serial No. 486,646
5 Claims. (Cl. 74—407)



1. In combination, a driving member, a driven member, a clutch having a central aperture therein positioned intermediate said driving and driven members, said clutch driven by said driving member and adapted to drive said driven member, means for initially shifting said clutch into engagement with said driven member, and secondary means for further shifting said clutch into more positive engagement with said driven member, said secondary means comprising a sleeve projection on said driving member extending through the central aperture in the clutch, spiral teeth on the outer surface of said sleeve projection, spiral teeth on the inner surface of said clutch aperture, and yieldable means interposed between said sleeve projection and said clutch for normally tending to hold said clutch in contact with said driving member and out of contact with said driven member.

2,380,309
VEHICLE STABILIZER
Louis E. Hicks, Portland, Oreg.
Application May 22, 1943, Serial No. 488,086
6 Claims. (Cl. 188—2)

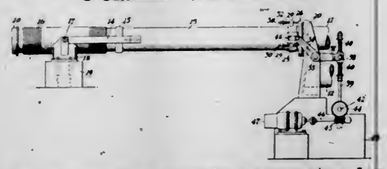


1. The combination with a vehicle of the type having shock absorbers and controlling means, a stabilizer for creating fluid pressure in the actuation of either of a plurality of controlling means, said stabilizer including a plunger for creating fluid pressure, an operating member having independent faces, and elements cooperating respectively with each of said faces for depressing the plunger, a transversely operating member connected to each of said elements for operating the same, and a connection between each of said members and an independent controlling means for the vehicle.

2,380,310
CONVEYING APPARATUS

Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application July 17, 1943, Serial No. 495,137
8 Claims. (Cl. 302—28)

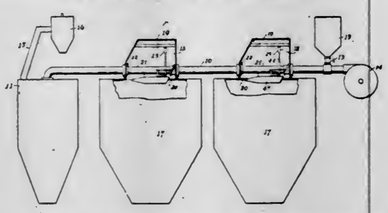


1. In pneumatic conveying apparatus for material to be conveyed by a fluid including a conduit portion, a movable section so connected thereto at one end as to be in communication therewith at all times, a plurality of conduit portions having open ends positioned near and opposite the path of movement of the distal end of said movable section, means for moving said movable section into alignment with a selected one of said plurality of conduits, so that said first-mentioned conduit portion, said movable section, and the conduit of said plurality of conduits with which the movable section is aligned will form a continuous passage, means for sealing the distal end of said movable section to the open end of the selected conduit portion of said plurality of conduit portions comprising a flexible flange extending outwardly in a generally radial direction from the distal end of said movable section, sealing means at the outer portion of said flexible flange, and means for moving the outer portion of the flexible flange and said sealing means in translation and towards said selected conduit to effect a tight joint therewith.

2,380,311
CONVEYING APPARATUS

Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware

Application July 22, 1943, Serial No. 495,720
9 Claims. (Cl. 302—28)



1. In pneumatic conveying apparatus, a conduit through which material is conveyed by a fluid under pressure, said conduit having a pivoted section intermediate its ends, said pivoted section normally being sealed at its ends to adjacent sections of the conduit to form a continuous passage for material, a receiver adjacent said pivoted section, a fluid-proof housing enclosing said pivoted section and communicating with said receiver, and means connected to said pivoted section acting initially to break the seal between one end of the pivoted section and the adjacent section of the conduit, and upon further movement to swing the pivoted section out of the axis of the adjacent sections of the conduit, whereby entrained material may be deposited in said receiver and fluid flow maintained throughout said conduit simultaneously.

2,380,312
DETONATING FUSE

Charles R. Johnson, Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 19, 1942, Serial No. 466,143
2 Claims. (Cl. 102—27)

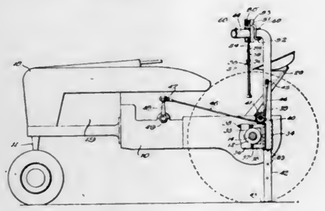


1. A detonating fuse comprising a core of detonating explosive, a textile sheath surrounding said core to contain said explosive, an asphalt layer surrounding said textile sheath to waterproof said sheath and prevent said explosive from sifting, a pliofilm covering for said asphalt to provide for the waterproofing and flexibility, a layer of wire braid protecting said pliofilm, and a layer of wax to protect and hold the said wire braid.

2,380,313
REPAIR APPARATUS FOR VEHICLES

Arnold E. W. Johnson, Oak Park, John R. Orelind, Wilmette, and Hiram P. Smith, Canton, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application January 16, 1943, Serial No. 472,610
12 Claims. (Cl. 214—1)



2. Repair apparatus for the changing of tires or wheels of a vehicle having a power source: comprising a support; means on the support for raising the vehicle; means for operating the raising means from the vehicle power source, and means on the support for temporarily carrying a removed tire or wheel in a position adapting said tire or wheel for reinstallation on the vehicle.

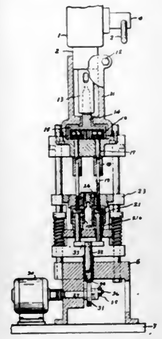
2,380,314
AUTOMATIC WORK FEEDING ATTACHMENT FOR DRILL PRESSES

Oscar C. Kavle, Syracuse, N. Y., assignor to The Kavle-Head Corporation, Ithaca, N. Y., a corporation of New York

Application August 13, 1942, Serial No. 454,717
1 Claim. (Cl. 77—22)

The combination with a machine having an overhanging upright quill, a work table, and a rotating spindle extending vertically of the quill beyond the lower end of the same, of a multiple tool unit including a frame having a head provided with a sleeve portion and enclosing the lower end of the quill and secured thereto and also enclosing the spindle, a base mountable on the table and on which base the frame is supported, multiple drill supporting and driving mechanism mounted within the head and including a shank for attachment to the spindle, whereby said mechanism is actuated by the spindle, the frame including a work support,

means carried by the frame for indexing the work support, and means carried by the base and the

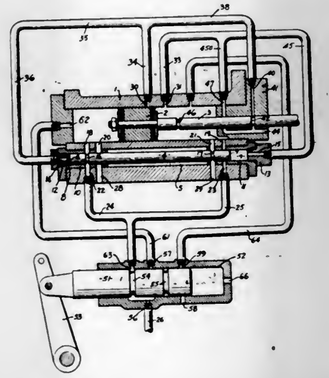


frame as a unit therewith for effecting relative axial movement of the work support and the drill actuating mechanism.

2,380,315
DOUBLE ACTING RECIPROCATING AIR MOTOR

Rudolph R. Kilian, Baldwinsville, N. Y., assignor to Rollway Bearing Co., Inc., Syracuse, N. Y., a corporation of New York

Application March 21, 1944, Serial No. 527,386
2 Claims. (Cl. 121—142)

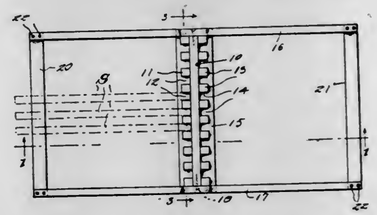


1. In a double acting reciprocating motor, the combination with a cylinder, a piston in the cylinder having a piston rod and a reversing valve for controlling the flow of motive fluid alternately to the cylinder on opposite sides of the piston and the exhaust of motive fluid therefrom; of pressure chambers associated with the valve member and operable to shift the valve member in opposite directions, said cylinder having ports arranged to be uncovered by the piston when at either end of its power stroke, one port being located to be uncovered when the piston is at the end of its power stroke in one direction and the other one when at the end of its power stroke in the opposite direction, conduits connecting said ports and said pressure chambers, and a valve in the feed line for the motive fluid and connected to the cylinder on opposite sides of the piston and having stop and run positions and a starting position between the stop and run positions, a conduit connecting the valve and the cylinder on one side of the piston only to control the flow of air to the cylinder and a conduit on the other side of the cylinder to the exhaust of air through the valve, whereby the motor is started independently of the position of the reversing valve when the reversing valve stops intermediate of its operating movement.

2,380,316
STORAGE RACK

Earl Edward Kintz, Cleveland, Ohio

Application March 7, 1944, Serial No. 525,371
3 Claims. (Cl. 211—41)

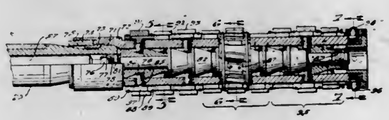


1. A storage rack for screens, windows, or the like comprising a main bar of a thickness adapting it to rest upon a side edge face, cleats mounted against opposite side faces of said bar in spaced relation to each other longitudinally thereof and defining sockets between the cleats, said sockets being open at their outer sides and upper ends, a base board extending longitudinally of said bar with the said bar and its cleats resting upon the upper surface of the baseboard and opposite side edge portions of the baseboard projecting from outer ends of the cleats and ends of the baseboard projecting from ends of the main bar, elongated side bars resting substantially midway their lengths upon the projecting ends of the baseboard and projecting from opposite sides of the baseboard, removable fasteners securing the side bars to the main bar and to the said end portions of the baseboard, and cross bars of substantially the same thickness as the baseboard extending between ends of the side bars with their ends extending under and removably secured to ends of the side bars.

2,380,317
DEVICE FOR HONING SPIRAL GROOVES

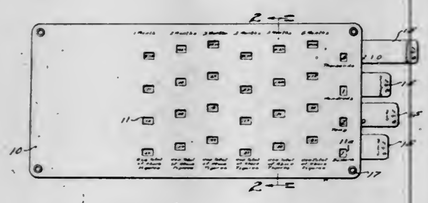
John E. Kline, Grosse Pointe Farms, and Charles S. White, Dearborn, Mich., assignors to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan

Application August 29, 1942, Serial No. 456,608
13 Claims. (Cl. 51—184.3)



2. In a honing tool, a tool body, a plurality of groups of elongated independently movable abrasive elements, each group comprising sets of elements disposed circumferentially of the body, with the elements of one set disposed on helices spaced from the helices on which the elements of the other sets are disposed.

2,380,318
INTEREST CALCULATOR
Quentin M. Kline, Dearborn, Mich.
Application August 14, 1943, Serial No. 498,607
7 Claims. (Cl. 235—85)

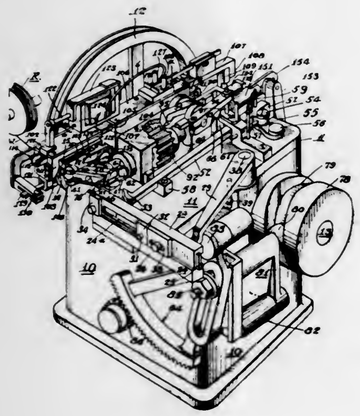


1. A device for computing interest at a given rate on variable sums for a plurality of different predetermined time intervals, and comprising a body portion divided into a plurality of longitudinally extending separated channels, a face portion enclosing one face of each of said channels, and having a series of fixed apertures therein communicating with said channels and arranged in a plurality of vertical columns, each of which is marked to correspond to a single time interval for which interest is to be computed, and having other apertures arranged in a separate vertical column to indicate the principal sum upon which interest is to be computed, a removable slide in each of said channels, each of said slides carrying interest calculations computed at a given rate and figures denominating various principal sums on the face thereof, and adapted for movement longitudinally of one of said channels to bring selectively into alignment simultaneously with all of said apertures communicating with said channel, an interest calculation corresponding to each of the predetermined time intervals indicated thereon for the adjusted principal sum shown in the aperture arranged to indicate said sum.

2,380,319
PROCESS FOR TREATMENT OF CASHEW NUTSHELL LIQUID AND THE RESULTING PRODUCT
Roland E. Kremers, Summit, N. J., assignor to General Foods Corporation, Hoboken, N. J., a corporation of Delaware
No Drawing. Application May 4, 1942, Serial No. 441,758
12 Claims. (Cl. 260—521)

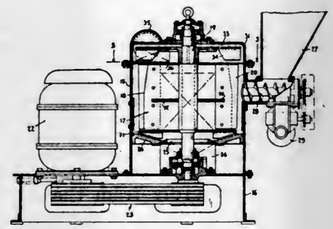
1. The method of converting cashew nut shell liquid containing the usual non-acidic constituents of cashew nut shell liquid and having an anacardic acid content of from at least 40% to about 70% into a hardened plastic product capable of being stored and shipped without substantial loss thereof due to decomposition or loss of constituents by bleeding which comprises mixing and reacting said cashew nut shell liquid with an alkaline earth metal compound selected from the group consisting of an oxide and a hydroxide in an amount in excess of that theoretically required to form a neutral alkaline earth metal salt of the anacardic acid content of said liquid, forming and hardening the product of said reaction into a hardened plastic product of sufficient bulk to prevent appreciable air-oxidation of the product, said product being capable of regenerating cashew nut shell liquid in substantially unoxidized condition upon treatment of said product with an acid capable of forming a salt with the alkaline earth metal of the product.

2,380,320
MACHINE FOR MAKING RADIO TUBE HEATER ELEMENTS
Alfred La France, Salem, Mass., assignor to Hytron Corporation, Salem, Mass., a corporation of Massachusetts
Application January 20, 1942, Serial No. 427,512
44 Claims. (Cl. 140—71)



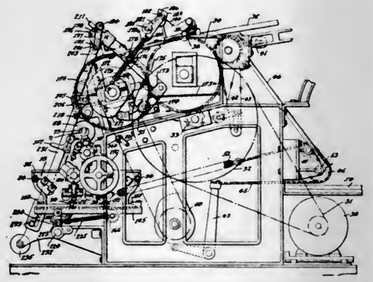
1. In a machine of the character described, a wire feeding mechanism comprising a support, a first member slidably carried by said support, a yoke on said first member adjacent one end thereof, a gripper having a pair of resilient normally open fingers extending outwardly through said yoke and slidable with respect thereto, said fingers being provided with outwardly offset portions for cooperation with the yoke, a second member slidable with respect to both said support and said first member, a pin connecting the base end of said gripper to said second member and extending through slots in the first member and in the support, a block secured on said pin at the opposite side of the first member from said gripper, actuating means operable to move the first and second members and the gripper as a unit relative to said support in one direction to project said gripper, a stop member positioned for engagement by said block to limit movement of the second member and the gripper relative to the support while permitting the actuating means to continue to move the first member in said one direction relative to the support and the second member and said gripper, thereby to cause the yoke on said first member to engage the offset portions of the gripper fingers to close the latter, the said actuating means thereafter further operating to move the first member, the second member and said gripper as a unit in the reverse direction to retract the gripper, a second stop member positioned for engagement by the block to limit said reverse movement of the second member and said gripper while permitting the actuating means to continue to move the first member in said reverse direction a distance sufficient to disengage its yoke from the offset portions of the gripper fingers thereby opening the latter.

2,380,321
PULVERIZING AND CLASSIFYING APPARATUS
Henry G. Lykken and William H. Lykken, Minneapolis, Minn.
Application October 3, 1941, Serial No. 413,438
10 Claims. (Cl. 241—39)



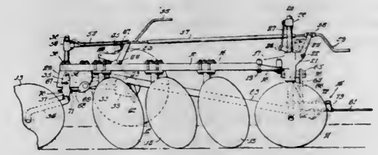
9. In an apparatus for pulverizing and classifying friable material suspended in a gaseous medium, a casing, a discharge outlet therefrom for selected material, a ring-shaped baffle mounted in the casing below the discharge outlet and providing a central opening, a fan for drawing air and selected material through said opening and means for supplying air and material to said casing, a rotor mounted in and of less diameter than the casing, the rotor being provided with a bottom disk and radial blades extending upwardly therefrom to adjacent said opening and across the same, and a laterally extending covering for the end of each blade adjacent said opening, said coverings extending part way over the intrablade spaces.

2,380,322
PRINTING MACHINE
Frank C. Marquardt, Bronx, N. Y., assignor to American Bank Note Company, New York, N. Y., a corporation of New York
Application August 31, 1943, Serial No. 500,602
13 Claims. (Cl. 91—50)



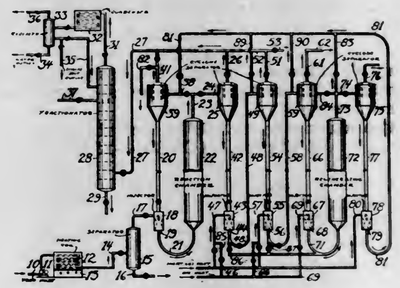
9. In a machine of the class described, a rotary printing couple normally in printing relation, manually controlled means for moving one member of the couple out of printing relation with the other at the end of a run of printing operations, apparatus including an inking roller normally in position to be effective to apply hot wax carbon to the printing member of the couple, and means controlled by the aforesaid manually controlled means for moving the inking roller out of contact with the printing member of the printing couple when the members of said couple are moved out of printing relation.

2,380,323
PLOW
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 22, 1943, Serial No. 511,258
5 Claims. (Cl. 97—103)



1. In a plow comprising a longitudinally-extending tool-carrying beam and a stationary rear frame, a crank axle rotatably mounted at laterally spaced points in said frame, a wheel journaled on said axle on a generally horizontal axis, and means for angularly adjusting said wheel with respect to said frame about a center coincident with one of the locations at which said axle is mounted in said frame.

2,380,324
METHOD OF TREATING AND REMOVING FINELY DIVIDED SOLID MATERIAL
John C. Munday, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 4, 1941, Serial No. 373,112
2 Claims. (Cl. 196—52)

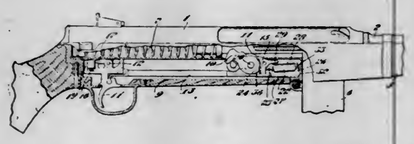


1. In the catalytic conversion of hydrocarbon oils, wherein finely-divided catalyst is injected into a stream of oil vapors to be converted, the resulting mixture passed through a conversion zone, the catalyst thereafter separated from the conversion products, the catalyst so separated treated with an inert gas to remove volatile hydrocarbons retained thereon following the separation; the improvement in the method of removing said volatile constituents which comprises passing a stream of inert gas through a restricted throat under a substantial pressure and at a velocity sufficient to develop a low pressure area adjacent the entrance of said throat, introducing separated catalyst into said low pressure area to thereby subject said catalyst to low pressure treatment and to inject said catalyst into the stream of inert stripping gas passing through said throat and thereafter separating the stripped catalyst from said inert gas.

2,380,325
ASYMMETRIC QUATERNARY ESTER-SALTS OF MORPHOLINE
Joseph B. Niederl, Victor Niederl, and Martin McGreal, Brooklyn, N. Y.
No Drawing. Application September 9, 1944, Serial No. 553,466
13 Claims. (Cl. 260—247)

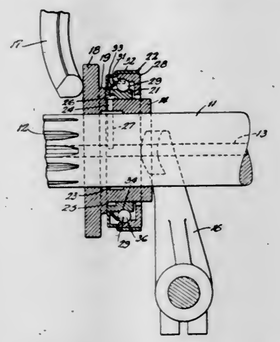
1. A process for producing asymmetric ester-salts of morpholine which comprises reacting a quaternary ammonium morpholinium halide with a mono-metal salt of an ester of a polybasic acid.

2,380,326
FIRING MECHANISM FOR FIREARMS
Joseph W. Norman, Springfield, Mass., assignor to Smith and Wesson, Inc., Springfield, Mass., a corporation of Massachusetts
Application October 7, 1943, Serial No. 505,264
8 Claims. (Cl. 42—69)



1. A firearm comprising a sear, a trigger bar for actuating the sear, a hammer controlled by the sear, means for disengaging the trigger bar from the sear when the hammer is released from the sear, and a single resilient member for yieldingly urging the sear into engagement with the hammer and also yieldingly urging the trigger bar into engagement with the sear, said member being U-shaped with one end engaging the sear and the other end engaging the trigger bar.

2,380,327
BEARING
Harry N. Parsons, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 3, 1943, Serial No. 481,713
3 Claims. (Cl. 308—187)



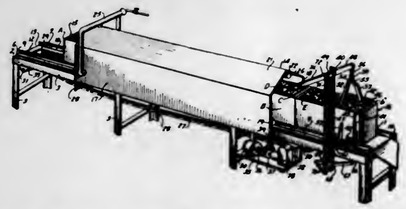
1. A bearing comprising inner and outer race members, balls therebetween, a housing substantially enclosing said bearing, an annular retainer for said balls having ball sockets therein at intervals therearound, depressions in said retainer between said sockets, one of said race members having a passage therethrough, and means on said retainer for directing a lubricant from said passage to said balls.

2,380,328
FISH LURE
Lawrence H. Pecher, Akron, Ohio
Application September 20, 1943, Serial No. 503,039
7 Claims. (Cl. 43—42)



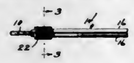
1. In a fish lure of the character described a substantially diamond shaped body of sheet material having the acute angled ends thereof forming the front and rear ends thereof, said body extending upwardly on a medial line extending between said ends with the lateral halves of the body disposed at an obtuse angle to each other; a fin projecting upwardly from each of the forwardly presented edges of said body; a post projecting upwardly from the medial line of said body at a point intermediate the length thereof; means for attaching a line to said body; a hook anchored to said post and extending rearwardly along said medial line with the hook proper curving upwardly and forwardly and terminating in a forwardly presented barbed end portion, and means on said post for retaining an auxiliary lure thereon.

2,380,329
BATTERY OPENING APPARATUS
Jacob R. Price, Kansas City, Mo.
Application February 1, 1943, Serial No. 474,383
6 Claims. (Cl. 136—174)



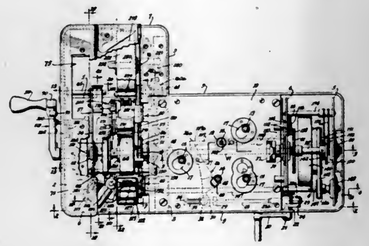
1. A battery opening apparatus including, an elongated table-like supporting frame, guides at the sides of said frame, and spaced apart to provide a battery passageway therebetween, battery conveying means on the frame for moving a plurality of batteries in successive order along said passageway in upright position, a tunnel-like heating housing covering the passageway over the tops of the batteries, and having ends spaced from ends of the table-like supporting frame to provide a battery receiving station and a battery discharge station, and means for supplying heat within the housing to heat the batteries for melting solids tending to prevent removal of cells from the cases of the batteries.

2,380,330
DRILL BIT SUPPORT
Rudolph M. Ringler, Wymore, Nebr.
Application October 12, 1943, Serial No. 505,993
1 Claim. (Cl. 279—42)



A stiffening device for use with drill bits of small diameter in holding the same in drill chucks, comprising a pair of cooperating elongated grooved sections adapted to receive the drill bit in the grooved portion therebetween, and of a length to extend beyond that portion of the bit engaged by the chuck to fully receive the clamping jaws of the chuck, the outer ends of said sections being tapered and threaded and engaging the bit to a point adjacent the effective drilling portion of the bit, and an internally threaded tapered sleeve engaging the tapered ends of the tapered sections to clamp the sections together on the bit.

2,380,331
PRINTING MACHINE
Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware
Application December 11, 1940, Serial No. 369,570
23 Claims. (Cl. 101—233)

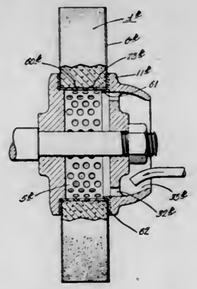


1. Printing apparatus comprising: a rotary printing head and a rotary platen for engaging matter to be printed, and feeding it therebetween while printing on it, means for rotating said platen and printing head to print matter engaged therebetween, said platen and printing head releasing said matter at the completion of the printing thereon, rotary means for engaging the printed matter and discharging it, means for rotating said discharging means following termination of rotation of said printing head, rotary means having substantial inertia coupled to said discharge member for rotating the latter, driving means for rotating said printing head and platen, and over-running clutch means coupling said driving means to said inertia means for driving the latter, said over-running clutch permitting said inertia means to continue rotating independently of said driving means.

3. Printing apparatus comprising in combination: a rotary printing head and a rotary platen for engaging matter to be printed and carrying it therebetween, means for rotating said printing head and platen, a movable stop member positioned in the path of matter moving into position to be engaged by said platen and printing head, and determining the position of said matter at the time of engagement by the printing head and platen, said stop being movable through a limited path by said matter, an abutment for limiting the movement of said stop by said matter, and means responsive to rotation of said printing head and platen into driving relation with said matter to move said abutment out of engagement with said stop member whereby said stop member may move completely out of the path of said matter.

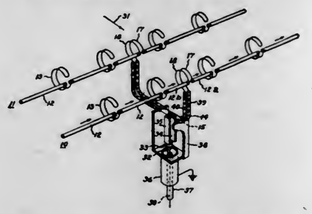
6. A printing machine comprising in combination: a printing head and a printing platen adapted to print upon and feed an object entered therebetween, a discharging means for receiving an object from said printing head and platen, said discharging means being movable between operative and inoperative positions, a tape-supporting and feeding mechanism movable between inoperative and operative positions, a control member movable between two positions, and means responsive thereto for simultaneously shifting said tape-supporting means from inoperative to operative positions and said discharge means from operative to inoperative positions, respectively, said means including a mechanism interconnecting said control member and said tape-supporting mechanism operable in all positions to transmit motion from said control member to said tape-supporting mechanism, but incapable of transmitting motion from said tape-supporting mechanism to said control member in the operative position of said tape-supporting means.

2,380,332
APPARATUS FOR INTRODUCING A COOLANT INTO GRINDING WHEELS
Hubert J. Scheer, Collingswood, N. J., assignor to Abrasive Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,754
2 Claims. (Cl. 51—267)



1. The combination with a porous grinding wheel having a central axially extending cavity, a pair of flanges respectively gripping the opposite side faces of the wheel, an annular gutter formed in one of said flanges, ports affording communication between said cavity and said gutter, means for supplying a fluidic coolant to said gutter, and means within said cavity for receiving said medium from said ports and delivering it directly to definite localities throughout the full circumference and axial depth of said cavity for uniformly distributing said medium axially and circumferentially of said cavity.

2,380,333
HIGH FREQUENCY ANTENNA
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1942, Serial No. 470,763
20 Claims. (Cl. 250—11)



1. A high frequency antenna system comprising at least three colinear elements, each of said elements being approximately one-half wave-

length long, phase inverting means connecting adjacent elements and comprising a conductor approximately one-half wavelength long doubled upon itself to provide two substantially parallel members of substantially the same length, said parallel members being formed in loops at right angles to said elements, the opposite ends of said conductor engaging adjacent elements of said antenna at the ends thereof, whereby voltages induced in said members at opposite sides of said loop by current flowing in said elements are in substantial opposition and substantially no current flows in said members as a result of such induced voltages and radiation therefrom is substantially prevented.

14. An antenna system comprising two assemblies arranged in parallel space relation, each assembly comprising a number of colinear elements arranged end to end, high frequency apparatus connected to each of said assemblies through respective transmission lines differing in length by an odd multiple of a quarter of a wave length of the wave on which said antenna operates whereby said antenna has maximum effect in a direction at right angles to said assemblies and in the plane of said assemblies, and said lines lying substantially entirely out of the plane of said assemblies thereby to have minimum effect upon the field pattern of said antenna in space.

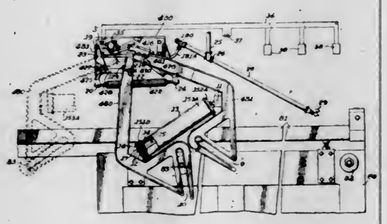
2,380,334

INERTIA DOOR OPERATING DEVICE

Louis F. Schoelkopf, Madison, Wis.

Application June 7, 1941, Serial No. 396,991

7 Claims. (Cl. 268—50)



1. In an inertia door operating device, an air engine, lever arms connected to the opposite ends of said air engine, said lever arms being pivotally connected together at one end, the opposite end of each lever arm terminating in a door roller receiving slot adapted to receive door rollers affixed to a sliding door, the operation of said air engine moving said door through the aforesaid lever arms and door rollers thereby imparting inertia to said door to enable it to open or shut.

2,380,335

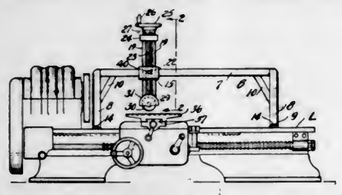
GRINDING ATTACHMENT FOR LATHES

Roy A. Schramm, Bay City, Mich., assignor of forty per cent to Earl S. Johnson, Bay City, Mich.

Application March 13, 1944, Serial No. 526,145

6 Claims. (Cl. 51—259)

1. A grinding attachment for lathes comprising, spaced apart end frames detachably secured to the face of a lathe bed, a rigid guide bar connecting the upper ends of the end frames a bracket mounted on the guide bar and adjustable longitudinally thereon, a grinding wheel assembly



mounted on said bracket, and means for vertically adjusting said wheel assembly.

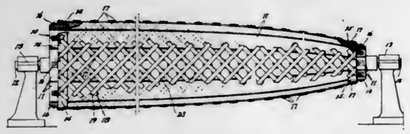
2,380,336

AIRCRAFT CONSTRUCTION

William H. Schwebel, Baldwin, N. Y., assignor, by mesne assignments, to William B. Scarborough, Englewood, N. J., as trustee

Application March 17, 1941, Serial No. 383,782

11 Claims. (Cl. 144—309)



1. The method of fabricating a structural assembly, which comprises, superimposing thin strips of material to form bands arranged in sets of spaced bands; laying the strips of bands of one set in a direction intersecting the bands of another set; superimposing at intersections the strips of one band alternately with the strips of the respective intersecting band; flexing the several strips of each band into surface to surface engagement with each other between intersections; attaching surface to surface the intersecting strips of intersecting bands at intersections; attaching surface to surface the strips in each band between intersections; forming the several bands to a predetermined surface contour on one side of the assembly, and on the opposite side of the assembly forming them to a surface contour which is irregular in accordance with the degree of flexing of strips between intersections.

2,380,337

BOWLING ALLEY

Harry Sebell, Marblehead, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.

Application June 6, 1944, Serial No. 538,988

8 Claims. (Cl. 273—43)



1. A bowling alley comprising an alley bed, a pin-supporting platform at one end of the bed for supporting the pins when they are set up, a basket element in the rear of the platform to receive the pins which have been knocked down, and means to move the platform and basket together with the pins and balls carried thereby from their operative position at said end of the alley bed to a position at the opposite or player's end of the alley, whereby the player may set the pins up again on the platform without leaving said player's end of the alley.

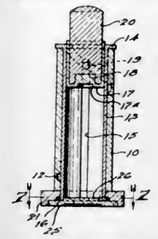
2,380,338

COSMETIC CONTAINER

Orville B. Sherman, Detroit, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan

Application August 7, 1942, Serial No. 453,971

4 Claims. (Cl. 206—56)



1. A dispensing device of the class described, comprising a cylindrical casing having a spiral groove at the inner wall thereof, an open ended sleeve extending through said casing and split longitudinally by means of a slot extending through the bottom end of the sleeve but terminating short of the opposite end thereof, a follower within said sleeve having a lug extending through said slot into said groove so as to be fed longitudinally within the sleeve upon relative rotation of the sleeve and casing, said sleeve having an open split end portion extending beyond the end of the casing, a gripping member having an interlocking connection with said end portion and including a part fitting the outer diameter of the sleeve and a part fitting the inner diameter thereof, said interlocking connection comprising an outwardly projecting rib on the split end of the sleeve fitting into a notch in said first named part.

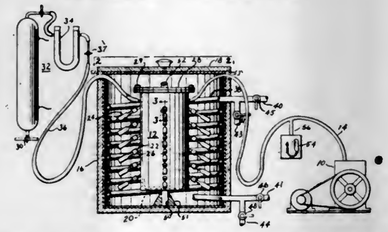
2,380,339

METHOD AND APPARATUS FOR PRESERVING BIOLOGICAL SUBSTANCES

Heinz A. Siedentopf, St. Paul, Minn., assignor to Fromm Laboratories, Inc., Grafton, Wis., a corporation of Wisconsin

Application July 10, 1941, Serial No. 401,871

29 Claims. (Cl. 128—272)



1. A method of preserving a dried biological substance desiccated from the frozen state which is under high vacuum in a container in which it is to be stored for future use, including the steps of replacing the high vacuum by filling the evacuated container with an atmosphere of inert gas uncontaminated by moisture or free oxygen while maintaining the dried biologically active substance in the container immune from moisture and air, and sealing the container with said substance and inert gas atmosphere therein.

2,380,340

METHOD OF CLEANING HEAT EXCHANGER SURFACES

James Simpson, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 11, 1941, Serial No. 422,517

1 Claim. (Cl. 196—69)

A process for cleaning surfaces of petroleum refinery distillation equipment contaminated by highly carbonaceous material and bonded by heavy hydrocarbons soluble in solvents for aromatic type hydrocarbons which consists in washing said surfaces with a light petroleum naphtha to remove as much as possible of the heavy hydrocarbons, then vaporizing furfural in said distillation equipment, allowing the furfural vapor to condense upon the fouled surfaces, and mechanically treating the said surfaces to remove any adherent solid material.

2,380,341

DIESEL FUELS

Wesley H. Sowers, Flossmoor, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application April 24, 1942, Serial No. 440,346

11 Claims. (Cl. 44—57)

1. An improved Diesel fuel comprising hydrocarbon distillate, an effective amount of ignition accelerator which when added to the fuel in effective amounts causes a lowering of the flash test of the distillate below a predetermined standard of approximately 150° F. and sufficient non-inflammable halogenated hydrocarbon to raise the flash test on the final blended fuel to at least the predetermined standard, the boiling point of the halogenated hydrocarbon being approximately the same as the predetermined standard.

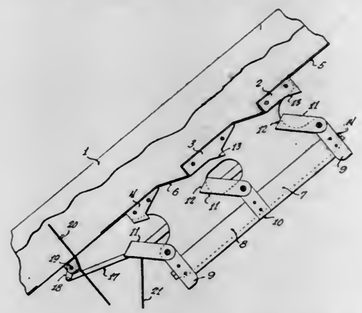
2,380,342

MAGNETIC SEPARATOR

Roswell H. Stearns, Wauwatosa, and Clarence F. Broetzmann, Milwaukee, Wis., assignors to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application June 23, 1941, Serial No. 399,248

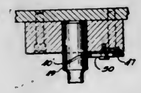
3 Claims. (Cl. 209—228)



1. A magnetic separator comprising a downwardly slanting chute for conducting a mixture of magnetic and non-magnetic material downwardly under the influence of gravity, a pair of pole pieces located on the outer side of and in close proximity to said chute, a permanent magnet having its poles spaced from the said pole pieces, movable magnetic bridge members for

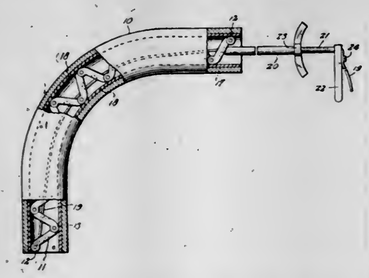
normally magnetically connecting said pole pieces with the poles of said permanent magnet, whereby magnetic material in said mixture will be retained in said chute adjacent said pole pieces, said magnetic bridge members being movable to interrupt the magnetic connection between the poles of the permanent magnet and said pole pieces, whereby the magnetic material will be released from adjacent said pole pieces and will flow downwardly in said chute, a diverting member having a normal position and a discharge position, and manually operable means mechanically connecting said bridge members and said diverting member for simultaneously moving said bridge members to interrupting position and the diverting member to discharge position.

2,380,343
INTERCHANGEABLE PUNCH AND DIE AND RETAINER FOR SAME
Domnic V. Stellin, Bronx, N. Y.
Original application March 6, 1944, Serial No. 525,233, now Patent No. 2,364,401, dated December 5, 1944. Divided and this application June 28, 1944, Serial No. 542,480
7 Claims. (Cl. 164—118)



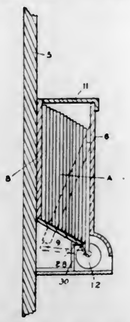
1. In a punch or die assembly, a retainer, a severing member received in said retainer and having a portion projecting therefrom, said member having a recess in its lateral wall, and a holding member slidably supported by said retainer and having an end adapted to enter said recess, said holding member having a lengthwise slot, and means passing through said slot for fastening said holding member to said retainer, said slot being of such length as to permit said holding member to be drawn fully out of said recess by lengthwise sliding.

2,380,344
CHAIN MANDREL FOR BENDING PIPES
Frank G. Sutton, Key West, Fla.
Application December 31, 1943, Serial No. 516,435
5 Claims. (Cl. 153—63)



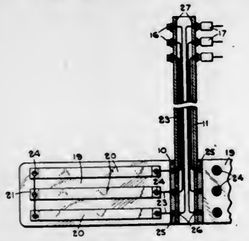
1. A chain mandrel for bending pipes comprising in combination, a sprocket-like chain composed of pivoted links having rounded knuckle joints adapted to be inserted in a pipe to be bent; a crowding cable secured to one end link; and screw means coacting with the other end portion of the links, zig-zag fashion, to crowd and expand the chain diametrically of the pipe.

2,380,345
PERIODICAL DISPENSER
John Tait, San Francisco, Calif.
Application October 5, 1942, Serial No. 460,784
2 Claims. (Cl. 312—51)



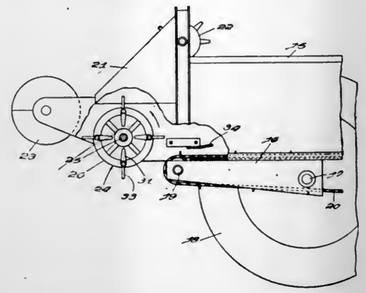
1. In a dispensing device, a cabinet having a front wall consisting of a vertical portion and an outwardly bowed lower portion, a back portion and an inclined member extending from said back portion downwardly toward the bottom of said vertical portion and terminating short thereof and at a point slightly below the bottom of said vertical portion to provide a discharge opening, a horizontal bottom mounted below said inclined member and spaced from the lower edge of said bowed portion to form a dispensing slot, a gauge plate secured to said inclined member whereby the width of said discharge opening may be regulated, a slotted dispensing roller rotatably positioned beneath said discharge opening, a gripper plate movably mounted in said roller slot to engage an article in said roller slot to be dispensed, a hand lever connected to said gripper plate and article to press said plate and article against a wall of said roller slot and thereby actuate said roller whereby an article from said cabinet will be dispensed from said dispensing slot.

2,380,346
APPARATUS FOR HEATING AIR OR OTHER FLUID
Fred Thomlinson, Langley, England
Application May 27, 1943, Serial No. 488,661
In Great Britain June 5, 1942
5 Claims. (Cl. 219—42)



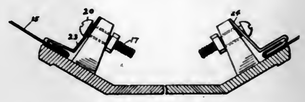
1. A heater for air or other fluid comprising a rotary impeller having a hub and blades projecting from said hub and electric resistance heating elements mounted on the blades, said heating elements being of strip form with integral offset feet at their ends secured to the blades, said feet spacing said elements intermediate their ends from the blades on which they are mounted, and said elements having the entire surface of the spaced portion exposed to the surrounding fluid.

2,380,347
DISTRIBUTOR FOR MATERIAL SPREADERS
Hilmond O. Vogel, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 5, 1942, Serial No. 433,456
5 Claims. (Cl. 275—3)



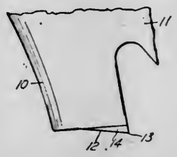
1. A distributor means for a material spreader, comprising a rotatable, generally cylindrical cage structure including a plurality of distributor elements disposed in the cage in circumferentially spaced relation, each element having a toothed portion and an angularly related blade portion, means mounting each element in the cage for positioning of said element in either of two positions, in one position the toothed portions extending radially outwardly from the cage and the blade portions being disposed within the periphery of the cage and in the other position the relative disposition of the bade and toothed portions being reversed.

2,380,348
JOINT STRUCTURE
Albert E. Wagstaff, Frankfort, N. Y., assignor to International Heater Company, Utica, N. Y., a corporation of New York
Application June 8, 1942, Serial No. 446,314
1 Claim. (Cl. 189—36)



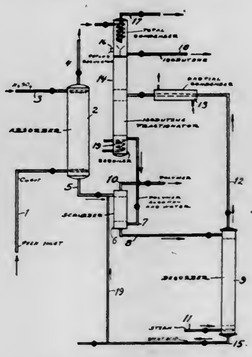
A means for adjusting and fastening a flexible sheet metal casing to the opposite edges of a rigid front panel of a furnace wherein the panel has short inwardly projecting posts spaced back from each edge of the panel and each post is provided with a transverse bolt-receiving aperture near its free end and the spaced ends of the casing are turned inwardly and back and making a close hook extending the full width of the casing at each end thereof, said adjusting and fastening means consisting of a series of three part clamps, each comprising a bolt and a cooperating nut and an L-shaped-clip, the shank of which clip has a bolt-receiving aperture near its free end and the base portion of which L is a close hook each of said hooks of the clips being slidably mounted in an adjacent casing hook for free adjustability along the width of the casing whereby on the parts being assembled with said clamp hooks engaging the oppositely disposed parts of said hooked ends of the casing and with said clip shanks respectively opposite a post and connected thereto by a bolt and nut, relative rotation of the bolts and nuts in the proper direction will draw the hooked edge of each end of the casing towards its adjacent posts and will press the outer surface of said hooked ends of the casing against the inner surface of the panel and the casing may be adjusted relative to the front panel of the furnace.

2,380,349
FOOTWEAR
Curry Ora Walper, Kitchener, Ontario, Canada
Application July 9, 1943, Serial No. 494,095
8 Claims. (Cl. 36—70)



1. In a heel for an article of footwear and including a heel tread portion, said portion having in its tread surface a malformation consisting of an inwardly and forwardly directed declivity formed by building down said portion toward the inner forward heel corner, whereby a water-casting tip is formed in conjunction with said surface at said corner at a lower level than the remainder of said surface, the built down portion of the heel tread portion being formed by means of a layer of elastically compressible material.

2,380,350
RECOVERY AND REGENERATION OF ISOBUTENE
Earl E. Willauer, Cranford, and Insley P. Jones, Basking Ridge, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 11, 1942, Serial No. 450,524
3 Claims. (Cl. 260—677)



1. Process of separating and concentrating isobutene which comprises the following steps, absorbing isobutene in a sulfuric acid solution of about 65% concentration at a temperature of about 65° F., passing the sulfuric acid with isobutene in solution in countercurrent flow to a mixture of polymers, alcohol and water obtained in a later stage of the process, separating the polymers and passing the sulfuric acid with alcohol and isobutene in solution into a regenerating zone, introducing sufficient steam to reduce the acid concentration to 43 to 45% and subjecting the acid solution to a temperature

ranging from 250–325° F., separating an overhead of isobutene, polymers, alcohol and water, fractionally distilling such overhead to separate substantially pure isobutene and a residual liquid containing the polymers, alcohol and water, and recycyiing the residual liquid to contact the sulfuric acid with the isobutene in solution in countercurrent flow as aforesaid.

2,380,351

ARTERIAL EMBALMING METHOD AND ARTERIAL EMBALMING FLUID

David H. Williams, Canfield, Ohio, assignor to Robert C. Switzer, South Euclid, and Joseph L. Switzer, Cleveland Heights, Ohio

No Drawing. Application April 13, 1945, Serial No. 588,251
25 Claims. (Cl. 27—21)

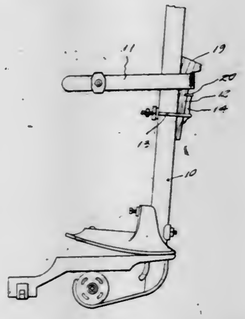
1. In the embalming and preservation of bodies, the steps of injecting into a body to be preserved a fluid containing a fluoragent and then inspecting the body under fluorescigenous radiations to detect the extent of diffusion of the injected fluid by the fluorescence of said fluid.

2,380,352

LUG STRAP HOLDER FOR PICKER STICKS

Harrison L. Williams, Huntsville, Ala.

Application May 19, 1944, Serial No. 536,373
1 Claim. (Cl. 139—154)



A picker stick lug strap holder comprising an elongated member of substantially wedge shape and adapted to engage against one side of the picker stick, said member having a head at the large end thereof, and serrations formed on and offset from the edge of said member confronting said picker stick, said serrations being positioned adjacent the small end of said member and terminating at a point adjacent the lower edge of the area engaged by said strap.

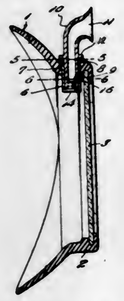
2,380,353

DEFROSTING DEVICE FOR GOGGLES

Burton Willner, Chicago, Ill.

Application May 25, 1944, Serial No. 537,283
1 Claim. (Cl. 2—14)

In a pair of goggles embodying an eye cup and a lens in said cup, an air valve including an outer sleeve extending into the top of said cup and anchored therein, said sleeve having an air discharge port therein opposite the upper portion of the lens, a tubular core fitted in said sleeve and provided above said cup with a laterally extending funnel-shaped end forming an air scoop, said core being rotatable in said sleeve into different positions to swing said scoop into and from forwardly pointing position, a port in said core registering with the first-mentioned port when said scoop is swung into forwardly pointing position,



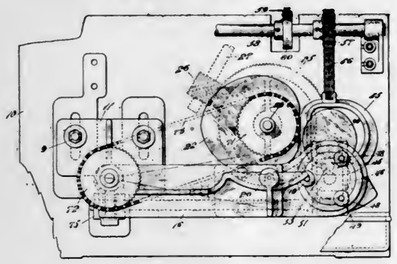
and means to frictionally lock said core in said different positions including a lock washer surrounding said core above the sleeve, and a flange on the core frictionally engaging said washer.

2,380,354

BUILDER MOTION

Albert E. Winslow, Mystic, Conn., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut

Application March 24, 1943, Serial No. 480,351
7 Claims. (Cl. 242—43.7)



1. In a builder motion for a spinning frame or the like a pivot member, an arm rockably mounted thereon, a cam follower carried by said arm, driving means including a cam engaging said follower for rocking said arm, a guideway carried by said arm and a slide movable in said guideway, an auxiliary cam follower carried by said slide, means for connecting said cam follower to a yarn guide, a second cam carried by said arm for engaging said auxiliary follower, and means operated from the driving means for the first cam for rotating said second cam.

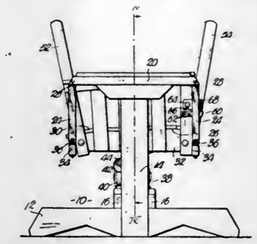
2,380,355

GLIDER-CRADLE

Ernest W. Worley, Kansas City, Kans., assignor to Consolidated Razor Blade Co., Inc., Jersey City, N. J., a corporation of New Jersey

Application June 24, 1942, Serial No. 448,215
1 Claim. (Cl. 5—101)

In a glider-cradle of the character described including a support, a platform having fixed end walls and a side wall, and means for swingably mounting the platform on the support to form a glider; a removable side member for converting the glider into a cradle, said side member having depending legs provided with tapered ends; means for removably securing said side member to the end walls comprising brackets on the side



member having notches in the lower side thereof; pins on the end walls for engaging said notches; and yokes on the end walls for receiving said tapered ends of the legs.

2,380,356

INTERPOLYMERS OF VINYLIDENE HALIDES AND 1,3-DIENES AND PROCESS OF PRODUCING THE SAME

Mortimer A. Youker, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 19, 1941, Serial No. 407,417
6 Claims. (Cl. 260—92.5)

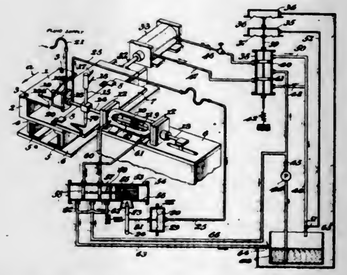
1. A process which comprises polymerizing a mixture of a vinylidene halide of the group consisting of vinylidene chloride, vinylidene bromide, and vinylidene chlorobromide with a diene of the group consisting of 1,3-butadiene, isoprene, and 2,3-dimethyl-1,3-butadiene while in an aqueous dispersion in the presence of an alkali metal hydroxide, the latter being present in the amount of about 0.5 to 3.0 per cent based on the amount of polymerizable material present.

2,380,357

FOLLOW-UP DEVICE, MORE PARTICULARLY FOR MACHINE TOOLS

Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application May 8, 1940, Serial No. 334,041
In Germany May 26, 1939
11 Claims. (Cl. 90—13.5)



1. Mechanism of the class described comprising means for directing a fluid stream under constant pressure including two cooperating spaced nozzles between the ends of which the fluid stream passes from one into the other; a pattern cooperating by its contour with the fluid stream; means for moving said pattern in a longitudinal direction; a tool; follow-up means responsive to the pressure of the fluid in the receiving nozzle controlled by the pattern to operate the tool so that the latter will follow the contour of the pattern; and automatic control means connected to the pattern moving means, including impulse devices responsive to pressure impulses representing square functions of the speeds of the tool and the pattern, and means connected to combine the effect of the impulses on the control means, to maintain the relative speed of the pattern contour and the tool substantially constant.

2,380,358

POLYMERIZATION OF OLEFINS

John Anderson and Walter H. Peterson, Berkeley, and Sumner H. McAllister, Lafayette, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 31, 1941, Serial No. 404,874
10 Claims. (Cl. 260—683.1)

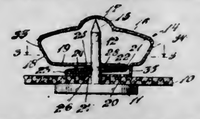
9. The process for the polymerization of straight-chain olefins which comprises the alternate steps of contacting normally gaseous hydrocarbons comprising a straight-chain olefin with a catalyst comprising activated carbon and a reduced metal selected from the group consisting of nickel and cobalt at a temperature of from about 35° C. to about 150° C. and at a pressure of from about 300 lbs. to about 900 lbs., and heating the catalyst at a temperature of about 300° C.

2,380,359

SECURING DEVICE

Frederick A. Ballou, Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island

Application June 25, 1943, Serial No. 492,259
4 Claims. (Cl. 24—108)



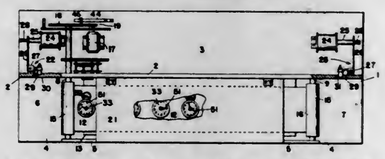
1. A securing device for a shank element comprising a body formed of a single piece of sheet stock disposed in generally a loop with its end portions forming arms extending in opposite directions and in overlapping relation, each of said arms being provided with an opening to receive a stud therethrough, said body being under an inherent tendency to expand, cooperating means on said arms limiting their expansion to cause said openings to be in partial registration to receive said stud.

2,380,360

STOP WATCH TESTING APPARATUS

William Ogle Bennett, Jr., Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

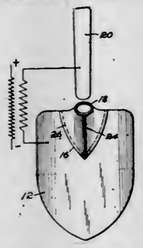
Application May 3, 1943, Serial No. 485,518
9 Claims. (Cl. 73—6)



1. An apparatus for timing stop watches comprising an accurate source of time, a pair of

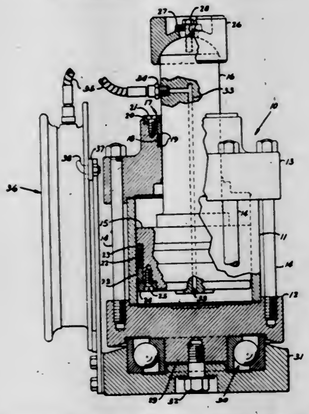
spaced striker blocks actuated at predetermined intervals controlled by said source of time to respectively start and stop a stop watch and a continuously operating conveying means for said stop watches said conveyor means extending between said spaced striker blocks and timed to receive a started stop watch from the operator at one striker block and present said watch after an exact time interval convenient to said other striker block.

2,380,361
MANUFACTURE OF SHOVELS OR THE LIKE
Richard Harte, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware
Application February 18, 1943, Serial No. 476,313
6 Claims. (Cl. 76—113)



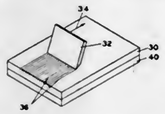
1. The method of making a shovel which comprises forming a blade with a rear edge substantially conforming to the line of the rear edge in the completed shovel, securing marginally to a face of the blade adjacent said edge a frog-forming plate having a rear edge substantially aligned with the opposed portion of the rear edge of the blade, shaping the opposed parts to arcs of a closed curve and welding thereto as a handle-receiving socket the end of a length of tubing having a circumferential unbroken wall which terminally presents corresponding arcs.

2,380,362
LOAD INDICATING HYDRAULIC JACK
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 2, 1944, Serial No. 524,691
1 Claim. (Cl. 73—141)



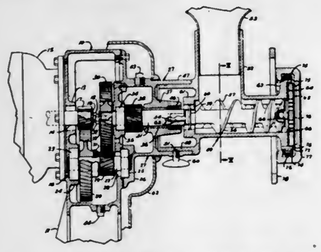
In a device of the class described, in combination, a hydraulic jack comprising a frame, a cylinder in said frame, a pump mounted on said frame and connected to the cylinder, a piston fitted in the cylinder including a piston rod to which loads may be applied, a pressure gage connected to indicate the pressure below the piston, an axial thrust bearing supporting said frame, and a base to receive the axial thrust bearing, a handle for said pump, said handle being adapted to move vertically to operate said pump and horizontally to oscillate said frame on said thrust bearing whereby the effect of the friction between the piston and the surrounding cylinder may be easily eliminated from the gage reading.

2,380,363
LIGHT POLARIZER AND PROCESS OF MANUFACTURE
Edwin H. Land and Robert P. Blake, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application October 18, 1941, Serial No. 415,538
52 Claims. (Cl. 88—65)



1. As a new article of manufacture, a structurally integral, initially substantially homogeneous sheet of material from the class consisting of the transparent, linear, high polymeric plastics, the molecules throughout the central portion of said sheet being substantially disoriented, and a plurality of portions of said sheet, each portion including one surface of said sheet, having the molecules thereof substantially oriented to an appreciable depth.

2,380,364
FOOD HANDLING APPARATUS
Charles O. Marshall, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 21, 1942, Serial No. 435,602
21 Claims. (Cl. 146—183)



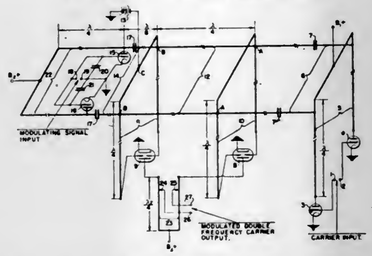
1. In a device for chopping meat, in combination, a pair of intermeshed feeding worms, an elongated chamber in which said worms are parallelly and rotatably mounted, said chamber having two longitudinally intersecting parallel bores, a perforated plate located across one end of said two bores, said worms being adapted to feed material toward such end of said chamber, a revoluble knife drivingly mounted at the end of each of said worms and adapted to sweep over the face of said plate, means for rotating said worms, and mounting means for said plate which permit rocking movement of said plate to equalize the pressure on said knives.

2,380,365
BONDED JOINT OR SECTION OF ELASTIC FABRIC
Dana E. Morrison, Kenilworth, and Paul F. Ziegler, Winnetka, Ill., assignors to The Kendall Company, Chicago, Ill., a corporation of Massachusetts
Application June 12, 1940, Serial No. 340,008
14 Claims. (Cl. 154—42)



4. A garment comprising two or more pieces of material one or more of which is an elastic fabric, and means forming a bonded joint between two pieces of said material at least one of which is elastic fabric, said means comprising a thermosetting bonding material connecting said two pieces and filling substantially all the interstices of a portion of the elastic fabric adjacent the point of connection and rendering said portion substantially non-elastic and free from internal changes such as normally occur in elastic fabric in the stretching and relaxing thereof.

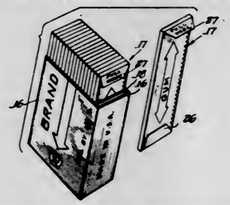
2,380,366
MODULATING SYSTEM FOR FREQUENCY MULTIPLIERS
Arthur L. Nelson, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application September 4, 1941, Serial No. 409,471
8 Claims. (Cl. 179—171.5)



3. A frequency multiplier modulator comprising a pair of vacuum tubes each having two grids and one anode, an individual input circuit for each of said tubes connected to the grids thereof, phase shifting means connected between relatively low impedance points of said individual input circuits, a common input circuit connected to one end of said phase shifting means whereby a signal may be applied to the grids of the same tube in opposite polarity and to corresponding grids of different tubes with predetermined different relative phase, phase shifting means including a variable impedance means connected to said first-named phase shifting means for varying said relative phase, and a common output circuit connected to said anodes to produce a modulated signal of increased frequency.

2,380,367
GUM PACKAGE
Willet B. Ranney, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1944, Serial No. 552,154
6 Claims. (Cl. 206—65)

1. A package comprising a plurality of sticks of gum or the like each completely enveloped in a printed inner wrapper, said inner wrapper being folded to form end flaps lying flat against the said sticks, a sleeve disposed around each said wrapper, to enclose one end flap, but terminating short of the other end flap so as to leave the same uncovered, means securing said sleeves together to form a bellows-like structure thereof, and an outer wrapper disposed around such plurality of sticks, said outer wrapper provided with means for removing one end thereof at a point substantially coinciding with the point of termination of said sleeves, whereby said sticks may be removed one at a time by grasping an exposed end flap, but the said sleeves are retained together in the outer wrapper to prevent collapse thereof and hold the sticks remaining therein in an upright position.

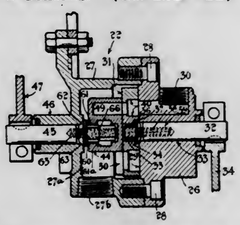


2,380,368
RATTLE
Virginia D. Desmond, Wrentham, Mass., assignor to Pilgrim Plastics, Inc., a corporation of Rhode Island
Application May 6, 1944, Serial No. 534,412
5 Claims. (Cl. 46—193)



1. In a rattle a handle, a hollow bulbous body at one end thereof and a loose element in said body of edible material.

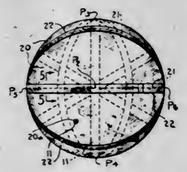
2,380,369
VALVE GEAR MECHANISM
Edmund A. Nix, Montreal, Quebec, Canada, assignor to Dominion Hoist & Shovel Company Limited, Lachine, Quebec, Canada
Application July 8, 1943, Serial No. 493,883
4 Claims. (Cl. 121—41)



3. A valve assembly including a valve casing affording a pressure chamber provided with a

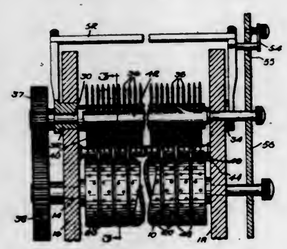
fluid pressure inlet, a valve seat forming one defining wall of said chamber, an exhaust port and two distributing ports opening into said chamber through said valve seat, a valve rotatably engaged with said seat and provided with an exhaust port and two distributing ports for cooperation with the exhaust and distributing ports of the valve seat, a second valve rotatably engaged with the side of the first mentioned valve remote from the valve seat, said second valve being provided with an exhaust channel and with two port-covering elements for cooperation with the exhaust and distributing ports of the first mentioned valve, a valve stem extending through a central opening in the valve seat portion of the valve casing and through a registering central opening provided in the first mentioned valve, the inner end of said stem having driving engagement with said first mentioned valve and being provided with a socket containing a spring bearing against the central portion of the second valve, a second valve stem extending inwardly through a central opening in the wall of the pressure chamber opposed to said valve seat and into a socket provided in the central portion of the second valve, the inner end of said stem being in driving engagement with a surrounding wall portion of said socket and being provided with a recess containing a spring bearing against the bottom wall of said socket, and means for independently rotating said valves in relation to each other and to said valve seat.

2,380,370
INFLATABLE ATHLETIC BALL AND METHOD OF MAKING SAME
Thomas W. Smith, Jr., Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application April 2, 1945, Serial No. 586,131
20 Claims. (Cl. 273—65)



19. An athletic ball comprising an inflatable casing of rubber or like flexible resilient material having attached thereto at least one ply of reinforcing fabric material, said fabric ply being composed of segments having adjacent edges in abutting relation, and separate strips of reinforcing material attached to said casing and extending completely around the same, said strips thereby forming a network of pressure restraining reinforcing members throughout said casing.

2,380,371
MEAT SLITTING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Co., Boston, Mass., a corporation of Massachusetts
Application August 6, 1942, Serial No. 453,767
4 Claims. (Cl. 17—26)

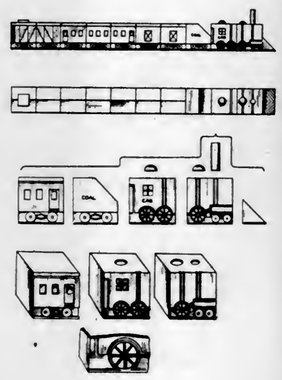


1. In a meat treating machine, a pair of relatively adjacent and parallel shafts, a meat feeding cylinder on one shaft having circular wells therealong and therearound providing meat engaging shoulders at its peripheral surface, rotary meat treating blades on the other shaft, the peripheries of the blades and cylinder being relatively adjacent in a zone adapted to receive and treat a piece of meat passing therebetween, means for rotating the shafts in opposite directions and the blades at relatively and substantially faster peripheral speed than the cylinder, meat stripping elements in meat stripping contact with the cylinder beneath said shoulders adjacent to said zone and extending outwardly therefrom substantially tangentially of the cylinder and in the direction of its rotation, and meat engaging elements extending transversely of the shafts between the blades and operative in the direction of the cylinder to press theragainst pices of meat passed between the cylinder and blades.

DESIGNS

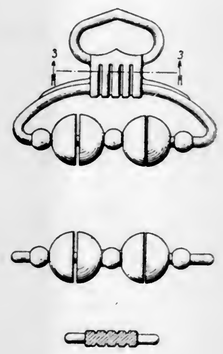
JULY 10, 1945

141,808
DESIGN FOR A TOY TRAIN
Lois Lenski Covey, Torrington, Conn.
Application February 21, 1945, Serial No. 118,075
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy train, substantially as shown.

141,809
DESIGN FOR A TOY RATTLER
George W. Delano, Detroit, Mich.
Application March 26, 1945, Serial No. 118,696
Term of patent 7 years
(Cl. D34—15)



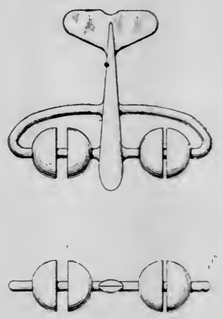
The ornamental design for a toy rattler, as shown.

141,810
DESIGN FOR A TOY RATTLER
George W. Delano, Detroit, Mich.
Application March 26, 1945, Serial No. 118,697
Term of patent 7 years
(Cl. D34—15)



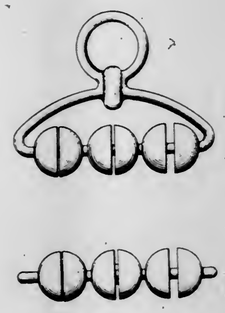
The ornamental design for a toy rattler, as shown.

141,811
DESIGN FOR A TOY RATTLER
George W. Delano, Detroit, Mich.
Application March 26, 1945, Serial No. 118,698
Term of patent 7 years
(Cl. D34—15)



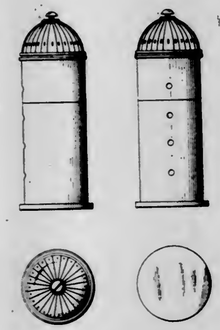
The ornamental design for a toy rattler, as shown.

141,812
DESIGN FOR A TOY RATTLER
George W. Delano, Detroit, Mich.
Application March 26, 1945, Serial No. 118,699
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy rattler, as shown.

141,813
DESIGN FOR A SAVINGS BANK
Louis Ditchik, New York, N. Y.
Application October 23, 1944, Serial No. 115,931
Term of patent 3½ years
(Cl. D34—11)



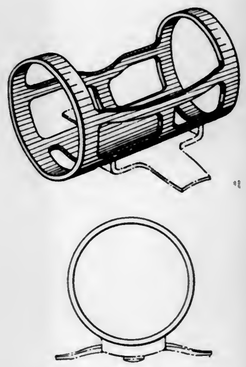
The ornamental design for a savings bank, as shown.

141,814
DESIGN FOR A TEAPOT
Rudolph Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Company, Zanesville, Ohio, a corporation of Ohio
Application May 11, 1945, Serial No. 119,494
Term of patent 14 years
(Cl. D44—26)



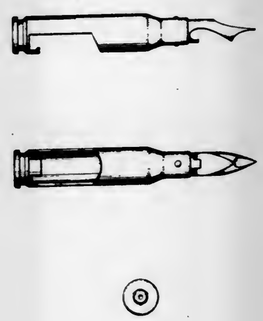
The ornamental design for a teapot, as shown.

141,815
DESIGN FOR A FISHING REEL FRAME
Stephen G. Hirsch, Philadelphia, Pa., assignor to Ocean City Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 21, 1945, Serial No. 118,076
Term of patent 14 years
(Cl. D31—4)



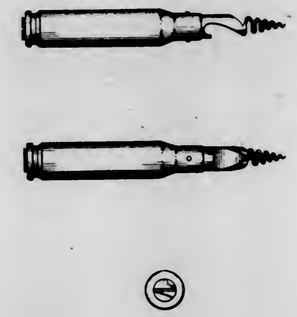
The ornamental design for a fishing reel frame, as shown and described.

141,816
DESIGN FOR A BOTTLE OPENER
Myron A. C. Johnson, Coral Gables, Fla.
Application November 17, 1944, Serial No. 116,392
Term of patent 7 years
(Cl. D44—29)



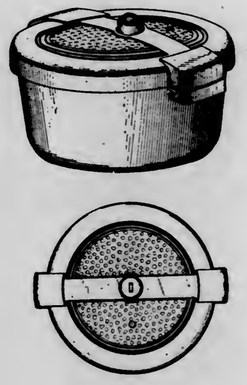
The ornamental design for a bottle opener, as shown.

141,817
DESIGN FOR A COMBINATION BOTTLE CAP REMOVER AND CORK SCREW
Myron A. C. Johnson, Coral Gables, Fla.
Application November 17, 1944, Serial No. 116,393
Term of patent 7 years
(Cl. D44—29)



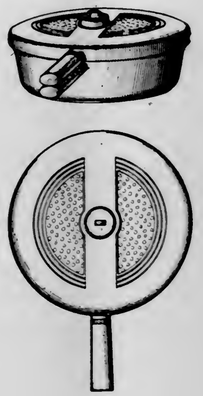
The ornamental design for a combination bottle cap remover and cork screw, as shown.

141,818
DESIGN FOR A PRESSURE COOKER OR THE LIKE
William A. Kendall, Winston-Salem, N. C.
Application December 30, 1944, Serial No. 117,165
Term of patent 14 years
(Cl. D44—1)



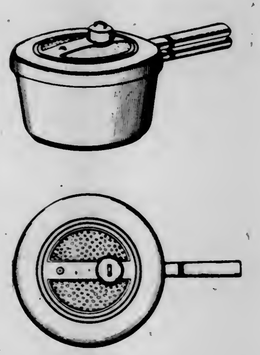
The ornamental design for a pressure cooker or the like, substantially as shown.

141,819
DESIGN FOR A PRESSURE COOKER OR THE LIKE
William A. Kendall, Winston-Salem, N. C.
Application December 30, 1944, Serial No. 117,166
Term of patent 14 years
(Cl. D44—1)



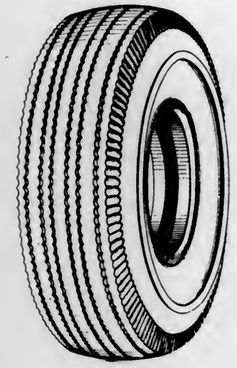
The ornamental design for a pressure cooker or the like, substantially as shown.

141,820
DESIGN FOR A PRESSURE COOKER OR THE LIKE
William A. Kendall, Winston-Salem, N. C.
Application December 30, 1944, Serial No. 117,167
Term of patent 14 years
(Cl. D44—1)



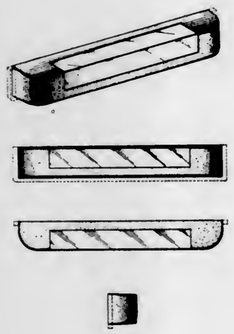
The ornamental design for a pressure cooker or the like, substantially as shown.

141,821
DESIGN FOR A TIRE
George W. Walker, Detroit, Mich., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 22, 1945, Serial No. 118,643
Term of patent 14 years
(Cl. D90—20)



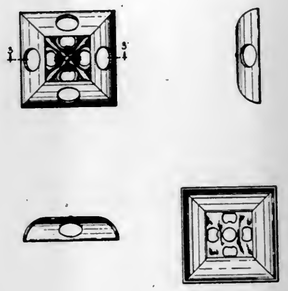
The ornamental design for a tire, as shown.

141,822
DESIGN FOR A LENS PANEL FOR LIGHTING FIXTURE
William M. Adrian, Evanston, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application March 31, 1945, Serial No. 118,805
Term of patent 14 years
(Cl. D48—16)



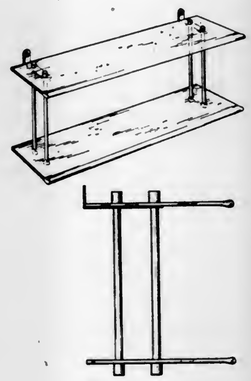
The ornamental design for a lens panel for lighting fixture, substantially as shown and described.

141,823
DESIGN FOR A PLAQUE UNIT FOR ARTICULATED FABRIC OR SIMILAR ARTICLE
Robert Appel, New York, N. Y.
Application February 27, 1945, Serial No. 118,157
Term of patent 14 years
(Cl. D87—3)



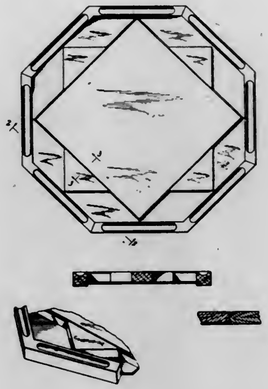
The ornamental design for a plaque unit for articulated fabric or similar article, substantially as shown.

141,824
DESIGN FOR A WALL SHELF
Charles Daum, New York, N. Y.
Application February 20, 1945, Serial No. 118,065
Term of patent 7 years
(Cl. D33—3)



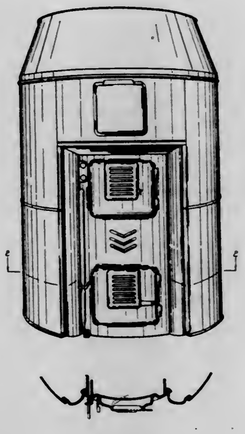
The ornamental design for a wall shelf, as shown and described.

141,825
DESIGN FOR A CARD TABLE TOP
Byron H. Dawson, Los Angeles, and William L. Adams, Bell, Calif.
Application February 15, 1945, Serial No. 117,967
Term of patent 14 years
(Cl. D33—14)



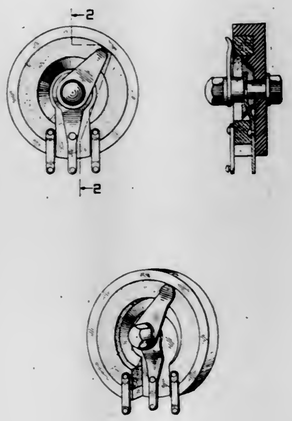
The ornamental design for a card table top, substantially as shown.

141,826
DESIGN FOR A HOT-AIR FURNACE
Roy E. Deming, Kalamazoo, Mich., assignor to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich., a corporation of Michigan
Application December 1, 1944, Serial No. 116,660
Term of patent 7 years
(Cl. D81—1)



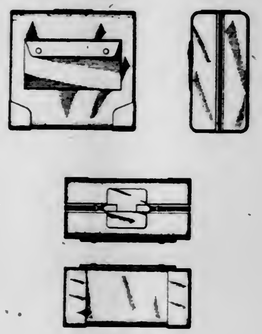
The ornamental design for a hot-air furnace, as shown and described.

141,827
DESIGN FOR A RHEOSTAT
Dominic Di Stadio, New York, N. Y., assignor of one-half to John D. El Koury, New York, N. Y.
Application December 23, 1944, Serial No. 117,061
Term of patent 7 years
(Cl. D26—1)



The ornamental design for a rheostat, as shown.

141,828
DESIGN FOR A LUGGAGE COVER OR SIMILAR ARTICLE
Morris L. Duskin, Chicago, Ill.
Application April 6, 1945, Serial No. 118,883
Term of patent 14 years
(Cl. D87—5)



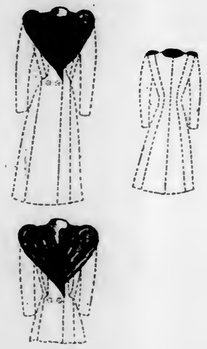
The ornamental design for a luggage cover or similar article, as shown.

141,829
DESIGN FOR A CIGAR AND CIGARETTE LIGHTER
Bedri Hussein Gostkowski, Geneva, Switzerland, assignor to Universal Lighters Selling Company Ltd., Geneva, Switzerland, a company of Switzerland
Application October 29, 1943, Serial No. 111,603
In Switzerland March 4, 1943
Term of patent 14 years
(Cl. D48—27)



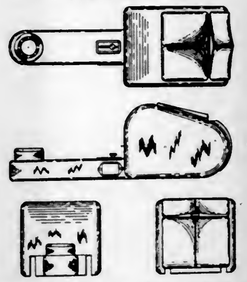
The ornamental design for a cigar and cigarette lighter, as shown.

141,830
DESIGN FOR A COAT
Philip Graber, New York, N. Y.
Application May 22, 1945, Serial No. 119,662
Term of patent 3½ years
(Cl. D3—4)



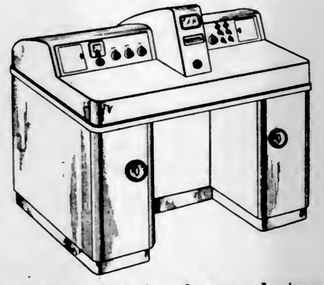
The ornamental design for a coat, substantially as shown and described.

141,831
DESIGN FOR A STOKER
Roy F. Graham, University City, Mo., assignor to Stok-A-Fire Company, Inc., University City, Mo., a corporation of Missouri
Application October 30, 1944, Serial No. 116,047
Term of patent 14 years
(Cl. D81—1)



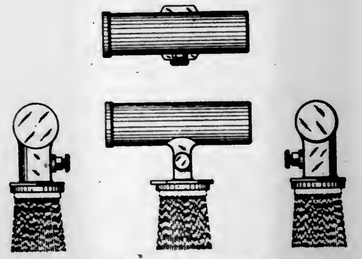
The ornamental design for a stoker, as shown.

141,832
DESIGN FOR AN ELECTRON MICROSCOPE
Robert Holley, Penfield Downs, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1944, Serial No. 113,765
Term of patent 14 years
(Cl. D26—5)



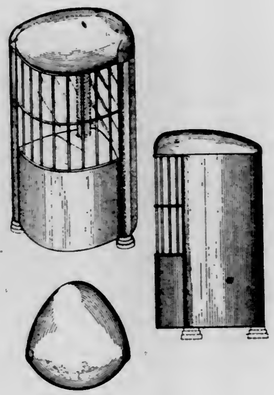
The ornamental design for an electron microscope, substantially as shown and described.

141,833
DESIGN FOR A FOUNTAIN BRUSH OR THE LIKE
Walton C. Marsh, Belleville, Ill., assignor to Marsh Stencil Machine Company, Belleville, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 118,821
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a fountain brush or the like, substantially as shown and described.

141,834
DESIGN FOR A PORTABLE ELECTRIC HEATER
William E. Maxson, Jr., Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1944, Serial No. 116,606
Term of patent 14 years
(Cl. D81—19)



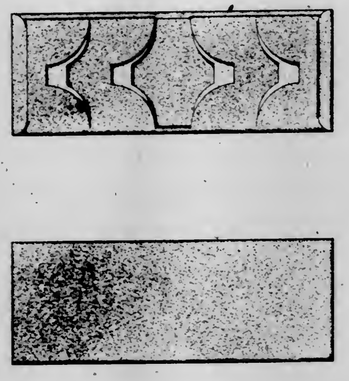
The ornamental design for a portable electric heater, as shown and described.

141,835
DESIGN FOR A TOOLHOLDER
Herman C. Muhlbach, Los Angeles, and Michael L. Wesley, Pasadena, Calif.
Application October 30, 1944, Serial No. 116,065
Term of patent 3½ years
(Cl. D93—4)



The ornamental design for a toolholder, substantially as shown.

141,836
DESIGN FOR A BILLFOLD
William A. Pence, Adell, and Leslie S. Spielmann, West Bend, Wis., assignors to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application November 24, 1944, Serial No. 116,517
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a billfold, as shown.

141,837
DESIGN FOR A COMBINED EVENING DRESS AND PANTALOONS
Celia Phillips, New York, N. Y.
Application April 23, 1945, Serial No. 119,134
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a combined evening dress and pantaloons, substantially as shown.

141,838
DESIGN FOR A COMBINED EVENING DRESS AND UNDERSKIRT
Celia Phillips, New York, N. Y.
Application April 23, 1945, Serial No. 119,135
Term of patent 7 years
(Cl. D3—26)



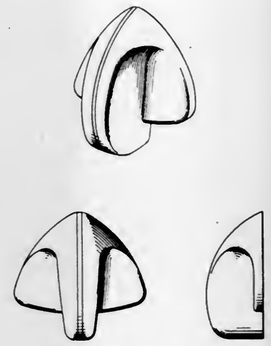
The ornamental design for a combined evening dress and underskirt, substantially as shown.

141,839
DESIGN FOR A CHAIR
Jens Risom, New York, N. Y., assignor to H. G. Knoll, Associates, New York, N. Y., a New York company
Application September 8, 1943, Serial No. 111,076
Term of patent 7 years
(Cl. D15—1)



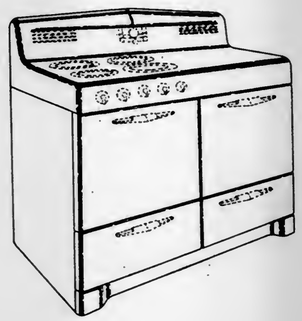
The ornamental design for a chair, substantially as shown.

141,840
DESIGN FOR A GAS CONTROL KNOB FOR STOVES OR THE LIKE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,538
Term of patent 7 years
(Cl. D81—25)



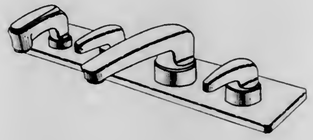
The ornamental design for a gas control knob for stoves or the like, substantially as shown.

141,841
DESIGN FOR A COOKING STOVE
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,981
Term of patent 14 years
(Cl. D81—4)



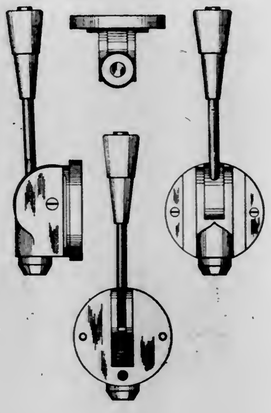
The ornamental design for a cooking stove, substantially as shown and described.

141,842
DESIGN FOR A COMBINED FAUCET SPRAY AND ESCUTCHEON PLATE
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,983
Term of patent 7 years
(Cl. D91—3)



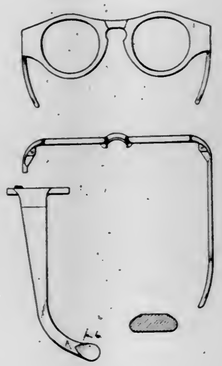
The ornamental design for a combined faucet spray and escutcheon plate, substantially as shown.

141,843
DESIGN FOR A BEVERAGE DISPENSING UNIT
Rudolph Yuza and Joseph W. Srodulski, Chicago, Ill., assignors to A. Dalkin Co., Chicago, Ill., a corporation of Illinois
Application February 19, 1945, Serial No. 118,023
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a beverage dispensing unit, as shown.

141,844
DESIGN FOR A GOGGLE FRAME
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application February 24, 1945, Serial No. 118,128
Term of patent 7 years
(Cl. D57—1)



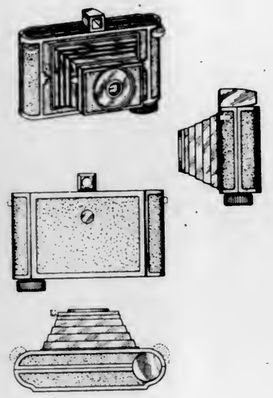
The ornamental design for a goggle frame, substantially as shown.

141,845
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 17, 1945, Serial No. 118,545
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,846
DESIGN FOR A CAMERA
George L. Israel, Chicago, Ill.
Application April 16, 1945, Serial No. 119,025
Term of patent 14 years
(Cl. D61—1)



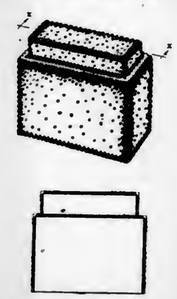
The ornamental design for a camera, as shown and described.

141,847
DESIGN FOR A LAPEL PIN
Isadore Albert Lipman, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application February 7, 1945, Serial No. 117,809
Term of patent 14 years
(Cl. D45—19)



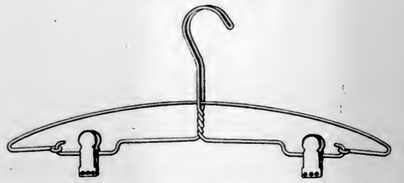
The ornamental design for a lapel pin, substantially as shown.

141,848
DESIGN FOR AN ORNAMENTAL BOX OR SIMILAR ARTICLE
Emile Norman, El Monte, Calif., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application April 25, 1945, Serial No. 119,212
Term of patent 14 years
(Cl. D58—12.6)



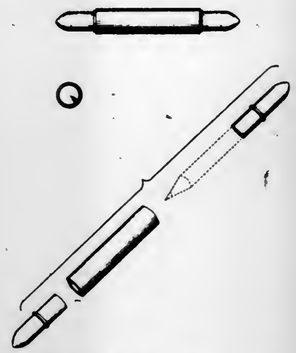
The ornamental design for an ornamental box or similar article, as shown.

141,849
DESIGN FOR A GARMENT HANGER
Isidore Salesky, Brooklyn, N. Y.
Application May 9, 1945, Serial No. 119,465
Term of patent 14 years
(Cl. D80—8)



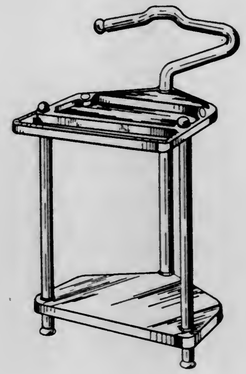
The ornamental design for a garment hanger, substantially as shown.

141,850
DESIGN FOR A ROLLING PEN-CIL
James Jernigan Sanders, Nashville, Tenn.
Application April 30, 1945, Serial No. 119,326
Term of patent 7 years
(Cl. D74—24)



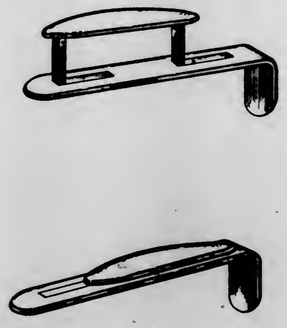
The ornamental design for a rolling pen-cil, as shown and described.

141,851
DESIGN FOR A CLOTHES STAND
Louis Schweitzer, Detroit, Mich.
Application April 30, 1945, Serial No. 119,453
Term of patent 7 years
(Cl. D80—9)



The ornamental design for a clothes stand, as shown.

141,852
DESIGN FOR A HANDLE FOR SUITCASES OR SIMILAR ARTICLES
Leland George Stone, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application March 26, 1945, Serial No. 118,712
Term of patent 14 years
(Cl. D87—2)



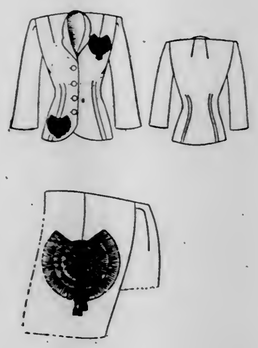
The ornamental design for a handle for suitcases or similar articles, substantially as shown.

141,853
DESIGN FOR A DRESS
Leah Asteroff, New York, N. Y.
Application June 4, 1945, Serial No. 119,876
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

141,854
DESIGN FOR A JACKET
Leah Asteroff, New York, N. Y.
Application June 4, 1945, Serial No. 119,877
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

141,855
DESIGN FOR A TOY
James Bunnell, Denver, Colo.
Application March 6, 1945, Serial No. 118,291
Term of patent 7 years
(Cl. D34—15)



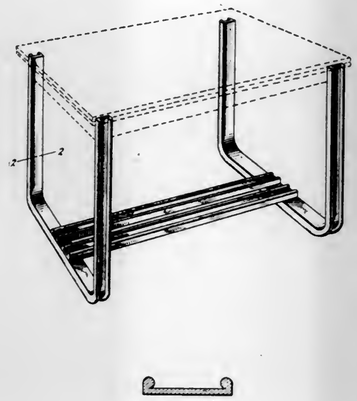
The ornamental design for a toy, as shown and described.

141,856
DESIGN FOR A CHILD'S TOY
James Bunnell, Denver, Colo.
Application March 6, 1945, Serial No. 118,292
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a child's toy, as shown and described.

141,857
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Meyer Eisen, North Bergen, N. J.
Application December 11, 1944, Serial No. 116,832
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table or similar article, as shown.

141,858
DESIGN FOR A MECHANICAL PENCIL
Martin Ullman, New York, N. Y., assignor to M. J. Waldinger, New York, N. Y.
Application April 14, 1945, Serial No. 118,996
Term of patent 14 years
(Cl. D74—24)



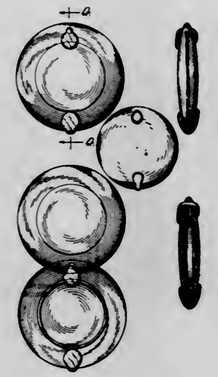
The ornamental design for a mechanical pencil, substantially as shown.

141,859
DESIGN FOR A FOUNTAIN PEN
Martin Ullman, New York, N. Y., assignor to M. J. Waldinger, New York, N. Y.
Application April 14, 1945, Serial No. 118,997
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a fountain pen, substantially as shown and described.

141,860
DESIGN FOR A COMPACT
Dorothy A. Witt, Wilmette, Ill.
Application February 19, 1945, Serial No. 118,018
Term of patent 3½ years
(Cl. D86—10)



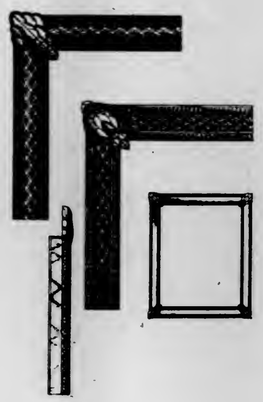
The ornamental design for a compact, as shown.

141,861
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 9, 1945, Serial No. 118,912
Term of patent 14 years
(Cl. D58—26)



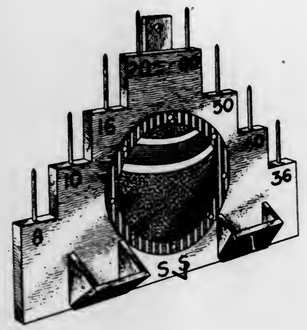
The ornamental design for a container cap, substantially as shown.

141,862
DESIGN FOR A PICTURE FRAME OR THE LIKE
George Evans, Chicago, Ill.
Application March 22, 1945, Serial No. 118,626
Term of patent 7 years
(Cl. D29—20)



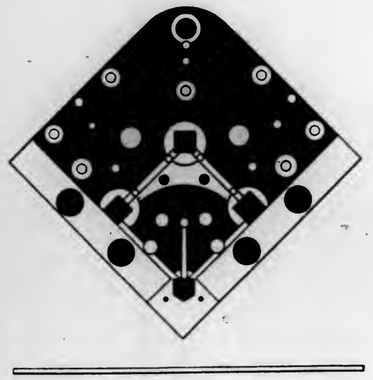
The ornamental design for a picture frame or the like, as shown and described.

141,863
DESIGN FOR A SEWING RACK
Robert Gaston Presley, Canton, N. C.
Application March 9, 1945, Serial No. 118,366
Term of patent 14 years
(Cl. D3—19)



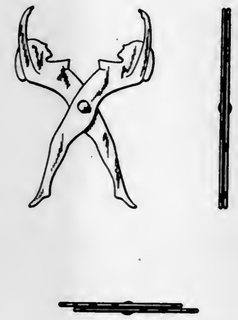
The ornamental design for a sewing rack, as shown and described.

141,864
DESIGN FOR A DART GAME CHART
August W. Rehberger, Brooklyn, N. Y.
Application March 31, 1945, Serial No. 118,802
Term of patent 14 years
(Cl. D34—5)



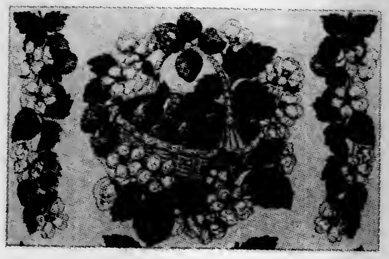
The ornamental design for a dart game chart, as shown.

141,865
DESIGN FOR A CALIPER OR SIMILAR ARTICLE
Samuel G. Smith, Brooklyn, N. Y.
Application March 29, 1945, Serial No. 118,753
Term of patent 14 years
(Cl. D52—1)

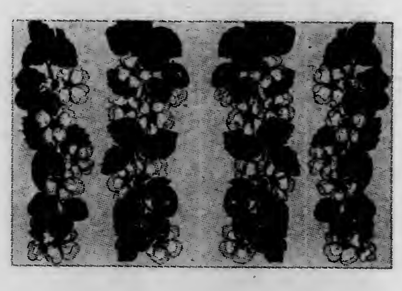


The ornamental design for a caliper or similar article, as shown.

141,866
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,579
Term of patent 7 years
(Cl. D59—10)

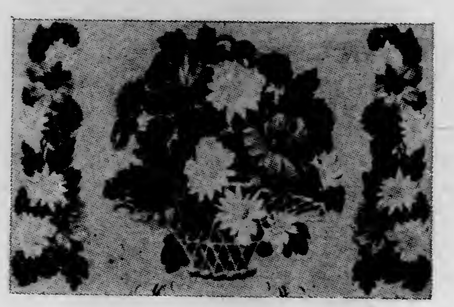


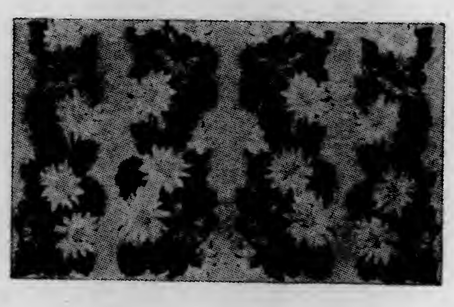
141,866—Continued



The ornamental design for a decorative wall material unit or the like, substantially as shown.

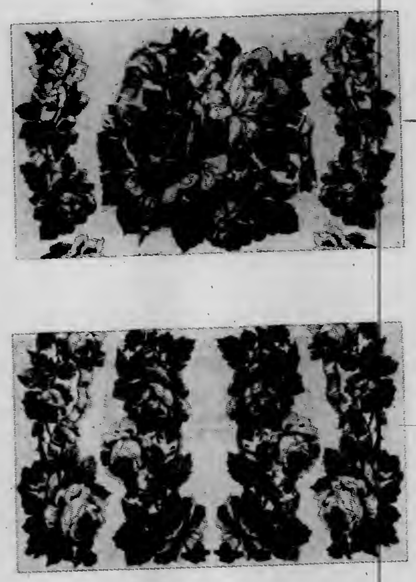
141,867
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,580
Term of patent 7 years
(Cl. D59—10)





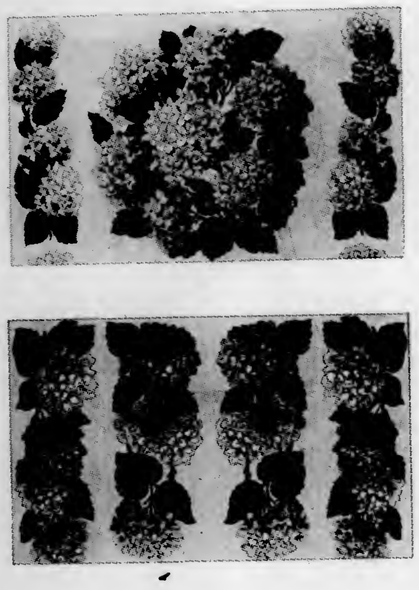
The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,868
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,581
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,869
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,582
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Brick Company, Fort Worth, Tex. Brick and tile of ceramic and like material. Serial No. 468,058; July 10. Class 12.

Adel Precision Products Corp., Burbank, Calif. Hydraulic control valves. Serial No. 466,247; July 10. Class 13.

Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 478,796; July 10. Class 11.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. Serial No. 481,456; July 10. Class 39.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. Serial No. 481,458; July 10. Class 39.

Bama Company, The, Birmingham, Ala. Fruit preserves, peanut butter, salad dressing, etc. Serial No. 481,306; July 10. Class 46.

Bregstone, J. Milton, Chicago, Ill. Radio receivers, radio phonograph combinations, electric phonographs, etc. Serial No. 469,669; July 10. Class 21.

Bryn Mawr Smokers Novelty Co., Chicago, Ill. Poker chips. Serial No. 481,269; July 10. Class 22.

Byard Manufacturing Company, Limited, Nottingham, England. Hairnets. Serial No. 471,922; July 10. Class 39.

C-Z Chemical Company, Beloit, Wis. Cleaning compound. Serial No. 479,768; July 10. Class 4.

C-Z Chemical Company, Beloit, Wis. Cleanser for washing glassware, dishes and other eating utensils. Serial No. 479,771; July 10. Class 4.

C-Z Chemical Company, Beloit, Wis. Liquid hard drying finish. Serial No. 479,774; July 10. Class 16.

C-Z Chemical Company, Beloit, Wis. Liquid glass cleaner. Serial No. 479,775; July 10. Class 4.

Calbert Dress Co., New York, N. Y. Misses' dresses. Serial No. 481,351; July 10. Class 39.

California Prune and Apricot Growers Association, San Jose, Calif. Dried fruit. Serial No. 462,108; July 10. Class 46.

Caspar Lubricants, Incorporated, New York, N. Y. Concentrates, a mixture of primary, secondary and tertiary alcohols, ketones and lactones. Serial No. 474,847; July 10. Class 6.

Castilian Products Corporation, Hollywood, Calif. Perfume. Serial No. 481,612; July 10. Class 6.

Chadwyk Co., New York, N. Y. Ladies' and misses' suits, coats, jackets, skirts. Serial No. 481,461; July 10. Class 39.

Chadwyk Co., New York, N. Y. Girls' and juniors' coats, suits, skirts, jackets. Serial No. 481,462; July 10. Class 39.

Cochran, Jacqueline, Roselle, N. J. Lipstick. Serial No. 480,738; July 10. Class 6.

Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearms. Serial Nos. 478,859–60; July 10. Class 9.

Cordo Chemical Corporation, Norwalk, Conn. Corrosion resistant paint. Serial No. 479,967; July 10. Class 16.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 481,467; July 10. Class 6.

Crest Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 480,816; July 10. Class 42.

Desmond's, Los Angeles, Calif. Military caps. Serial No. 465,651; July 10. Class 39.

De-Tex Company, Inc., Philadelphia, Pa. Tubular netting used for lowering objects. Serial No. 472,890; July 10. Class 42.

Diversy Corporation, The, Chicago, Ill. Cleaning compound. Serial No. 469,385; July 10. Class 4.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood sheathing. Serial No. 482,313; July 10. Class 12.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 482,314; July 10. Class 12.

Dunhill, Mary, Inc., New York, N. Y. Perfume. Serial No. 464,603; July 10. Class 6.

Dunn Woolen Company, Martinsburg, W. Va. Textile fabrics in the piece. Serial No. 477,687; July 10. Class 42.

Dry-Pack Corporation, New York, N. Y. Dehydrated food mix. Serial No. 481,136; July 10. Class 46.

Easy Way Manufacturing Co.: *See*—
Oserowsky, Harold L.

Elly, E. A., Record Company: *See*—
Elly, Edward A.

Elly, Edward A., doing business as E. A. Elly Record Company, New York, N. Y. Phonograph records. 482,095; July 10. Class 36.

Elgin Softener Corporation, Elgin, Ill. Ion exchange materials. Serial No. 480,052; July 10. Class 6.

Ente, Lew, Corp., New York, N. Y. Watches, watch movements and watch parts. Serial No. 482,099; July 10. Class 27.

Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.

Everson, F. E.: *See*—
Everson, Franklin E.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Detergent preparation. Serial No. 480,981; July 10. Class 4.

Fairbanks, Morse & Co., Chicago, Ill. Automatic coal stokers. Serial No. 465,254; July 10. Class 34.

Fansteel Metallurgical Corporation, North Chicago, Ill. Welding rods. Serial No. 480,818; July 10. Class 14.

Fashion Park, Inc., Rochester, N. Y. Men's suits, vests, trousers, etc. Serial No. 482,140; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, and pants. Serial No. 482,150; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants and overcoats. Serial No. 482,243; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc., for men and boys. Serial No. 482,244; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. Serial No. 482,474; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, and overcoats for men and boys. Serial Nos. 482,476–7; July 10. Class 39.

Fashion Park Inc., New York, N. Y. Men's overcoats, coats, vests, and pants. Serial No. 482,478; July 10. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's and young men's suits and overcoats. Serial No. 482,481; July 10. Class 39.

Fashion Park Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. Serial No. 482,482; July 10. Class 39.

Fischer, Phil, Chicago, Ill. Non-alcoholic, maltless beverages. Serial No. 481,062; July 10. Class 45.

Fishery Products, Inc., Boston, Mass. Sea foods. Serial No. 480,754–5; July 10. Class 46.

Flood, James J., Phoenix, Ariz. Fresh vegetables. Serial No. 479,671; July 10. Class 46.

Franklyn-Milross, Inc., New York, N. Y. Air mail letter paper and envelopes. Serial No. 480,175; July 10. Class 37.

Galen Company, Berkeley, Calif. Elixirs, tonics, adsorbates, etc. Serial No. 481,139; July 10. Class 6.

Goldenbro Fabrics, Inc., New York, N. Y. Piece goods of rayon. Serial No. 467,277; July 10. Class 42.

Goldenbro Fabrics, Inc., New York, N. Y. Rayon piece goods, and rayon and cotton piece goods. Serial No. 480,019; July 10. Class 42.

Gordon, Lionel: *See*—
Rothschild, Lionel G.

Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. Serial No. 480,572; July 10. Class 39.

Graham, Vernon F., Sr., Chester, Pa. Spindles for holding balls of crocheting, tatting, etc. Serial No. 475,847; July 10. Class 40.

Hall Hardware Company, Minneapolis, Minn. Paint enamel. Serial No. 479,932; July 10. Class 16.

Hammel, Ringlander & Co. Inc., New York, N. Y. Watchmakers' and jewelers' tools. Serial No. 477,509; July 10. Class 23.

Happy Day Company, Inc., Lafayette, La. Dietary supplement. Serial No. 478,511; July 10. Class 6.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. Serial No. 482,745; July 10. Class 38.

Hewitt Rubber Corporation, Buffalo, N. Y. Latex foam. Serial Nos. 476,058–9; July 10. Class 1.

Hirst, Frederick N., London, England. Piece goods of silk, rayon, metal threads, etc. Serial No. 477,195; July 10. Class 42.

Home Equipment Manufacturing Co., Chicago, Ill. Game board. Serial No. 477,613; July 10. Class 22.

Honegger Feed Mills: *See*—
Honeggers' & Co.

Honeggers' & Co., doing business as Honegger Feed Mills, Forrest, Ill. Hog feed. Serial No. 479,979; July 10. Class 46.

Horn, A. C., Company, Long Island City, N. Y. Industrial finish paint enamel. Serial No. 479,038; July 10, Class 16.

Interstate Laboratories, Inc., Louisville, Ky. Medicated eye pads, eye salve, eye drops, etc. Serial No. 481,632; July 10. Class 6.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 460,994; July 10. Class 39.

Jewelry by Wallace, Forest Hills, N. Y. Bracelets, brooches, earrings, etc. Serial No. 475,208; July 10. Class 28.

Joyce, Inc., Pasadena, Calif. Shoe lasts. Serial No. 483,374; July 10. Class 50.

Landenburger, Morris, doing business as Mola Novelty Company, New York, N. Y. Leather wallets and purses. Serial No. 465,951; July 10. Class 3.

Lawrence Converters Inc., New York, N. Y. Cotton sheets, pillow cases, wash cloths, etc. Serial No. 478,554; July 10. Class 42.

Lederle Laboratories, Inc., New York, N. Y. Liver solution. Serial No. 480,870; July 10. Class 6.

Lentheric, Incorporated, New York, N. Y. Face powder. Serial No. 481,582; July 10. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters and cosmetic creams. Serial No. 481,850; July 10. Class 6.

Lowell Lingerie Company, Lowell, Mass. Slips, for women, misses and girls. Serial No. 480,712; July 10. Class 39.

Lummis & Company, Philadelphia, Pa. Salted peanuts, peanut butter, and nut confections. Serial No. 482,430; July 10. Class 46.

Marcus & Co. Inc., New York, N. Y. Jewelry for personal wear and metal articles of adornment. Serial No. 480,464; July 10. Class 28.

Meadtex Fabrics Co., The, New York, N. Y. Ladies', misses' and girls' dresses, slips, playsuits, etc. Serial No. 475,541; July 10. Class 39.

Mola Novelty Company: *See*—
Landenburger, Morris.

Moore, John Hudson, Inc., New York, N. Y. Combs. Serial No. 479,637; July 10. Class 40.

Muffet, Mary, Inc., St. Louis, Mo. Lipstick paper tissues. Serial No. 475,448; July 10. Class 37.

Nashua Manufacturing Company, Boston, Mass. Blankets made of wool, cotton, rayon, etc. Serial No. 480,422; July 10. Class 42.

Negbaur, H., & Co., New York, N. Y. Pyrophoric cigar and cigarette lighters. Serial No. 482,435; July 10. Class 34.

Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Insecticidal composition. Serial No. 481,797; July 10. Class 6.

Nutritional Metals Corp., Hasbrouck Heights, N. J. Bone flour. Serial No. 479,595; July 10. Class 46.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Bicycles, tricycles, coasters, etc. Serial No. 480,612; July 10. Class 19.

Old Dutch Mills, Inc., New York, N. Y. Coffee, tea, cocoa and hot chocolate powder. Serial No. 436,222; July 10. Class 46.

Oserowsky, Harold L., doing business as Easy Way Manufacturing Co., Bay City, Mich. Valve pullers. Serial No. 478,972; July 10. Class 23.

Pacific Mills, New York, N. Y. Woven or unwoven, partly or completely treated fabrics for wrapping electrical conductors. Serial No. 479,721; July 10. Class 21.

Parfums Schiaparelli, Inc., New York, N. Y. Face powders, perfumes, toilet waters, etc. Serial No. 474,460; July 10. Class 6.

Parker Pen Company, The, Janesville, Wis. Fountain pens and mechanical pencils. Serial No. 480,716; July 10. Class 37.

Parrish, Robert E., doing business as Worth Pharmacal Company, Fort Worth, Tex. Preparation for the treatment of bovine keratitis (pink eye) among cattle and other livestock. Serial No. 482,256; July 10. Class 6.

Philadelphia Capsule Co., Inc., Philadelphia, Pa. Medicinal compound. Serial No. 479,301; July 10. Class 6.

Philadelphia Capsule Co., Inc., Philadelphia, Pa. Medicinal compound. Serial No. 480,619; July 10. Class 6.

Pioneer Soap Company, Inc., San Francisco, Calif. Soap flakes, granulated soap, soap powder, etc. Serial No. 480,875; July 10. Class 4.

Price Brothers Company, Frederick, Md. Magnetic controls. Serial No. 481,160; July 10. Class 21.

Rite-Craft Company, Chicago, Ill. Pencils and pens. Serial No. 471,421; July 10. Class 37.

Rothschild, Lionel G., doing business as Lionel Gordon, Dallas, Tex. After-shaving lotion, hair dressing, deodorant, etc. Serial No. 480,192; July 10. Class 6.

Roto-Shaver Incorporated, The, Stamford, Conn., and New York, N. Y. Dry shavers. Serial No. 480,473; July 10. Class 23.

Schneierson, I., & Sons, Co., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. Serial No. 480,795; July 10. Class 39.

Shaff Laboratories, Brooklyn, N. Y. Rat poison. Serial No. 481,028; July 10. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Organic chemicals. Serial No. 471,198; July 10. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Organic chemicals. Serial No. 475,376; July 10. Class 6.

Shell Union Oil Corporation, San Francisco, Calif. Chemical antioxidant. Serial No. 478,906; July 10. Class 6.

Shell Union Oil Corporation, San Francisco, Calif. Detergent preparation. Serial No. 479,052; July 10. Class 4.

Snyder, Dan, & Co., New York, N. Y. Misses', junior misses', girls' and children's coats, suits, leggings and legging sets. Serial No. 481,001; July 10. Class 39.

Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. Serial No. 480,799; July 10. Class 39.

Sonneborn, L., Sons, Inc., New York, N. Y. Self buffing liquid aqueous wax emulsion. Serial No. 480,210; July 10. Class 16.

Steck Company, The, Austin, Tex. Safety paper. Serial No. 476,408; July 10. Class 37.

Stedt, Arthur R., doing business as Stedt Little Folk Toy Co., Minneapolis, Minn. Toy doll cradles. Serial No. 478,599; July 10. Class 22.

Stedt Little Folk Toy Co.: *See*—
Stedt, Arthur R.

Swift & Company, Chicago, Ill. Insecticide. Serial No. 482,598; July 10. Class 6.

Timely Clothes, Inc., Rochester, N. Y. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 475,706; July 10. Class 39.

Transcontinental & Western Air, Inc., Kansas City, Mo. Weight and balance computing apparatus. Serial No. 466,297; July 10. Class 26.

Transcontinental & Western Air, Inc., Kansas City, Mo. Weight and balance computing apparatus. Serial No. 466,470; July 10. Class 26.

Tru-Test: *See*—
Oakes & Co.

Twentieth Century Frocks, Los Angeles, Calif. Suits, coats, dresses, etc., for women and misses. Serial No. 481,089; July 10. Class 39.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Art needlework yarns. Serial No. 481,130; July 10. Class 43.

United Elastic Corporation, Easthampton, Mass. Wide elastic fabrics. Serial No. 480,882; July 10. Class 42.

Viking Marine Co., Seattle, Wash. Ship debarkation and embarkation equipment. Serial No. 479,741; July 10. Class 50.

Wadsworth Watch Case Company, The, Dayton, Ky. Compacts, cigarette cases and lighters, watch bands, etc. Serial No. 470,322; July 10. Class 28.

Walker, J. C., Brothers, Inc., Exmore, Va. Oysters, canned and in the shell. Serial No. 480,356; July 10. Class 46.

Waltham Watch Company, Waltham, Mass. Watches. Serial No. 482,082; July 10. Class 27.

Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Welding electrodes. Serial No. 480,034; July 10. Class 14.

West, N. S., Baltimore, Md. Laxatives. Serial No. 467,480; July 10. Class 6.

White, Emanuel H., Chicago, Ill. Attachable and adjustable all-purpose type locks. Serial No. 475,311; July 10. Class 25.

Wilcox-Gay Corporation, The, Charlotte, Mich. Phonograph needles. Serial No. 482,604; July 10. Class 36.

Worth Pharmacal Company: *See*—
Parrish, Robert E.

LIST OF REGISTRANTS OF TRADE-MARKS

A-C Model Company: *See*—
Christman, Arthur F.

Ace Metal Products Company: *See*—
Widman, Joseph.

Ace Sheet Metal Works: *See*—
Widman, Joseph.

Affleck, Gregor S., doing business as Colloidal Paint Products Co., Detroit, Mich. Paste-like material. 415,020; July 10; Serial No. 473,924; published Apr. 24, 1945. Class 16.

Aisenstein, Louis, & Bros., New York, N. Y. Wallets, traveling kits and hand bags. 415,133; July 10; Serial No. 480,306; published May 1, 1945. Class 3.

Ajax Metal Company, The, Philadelphia, Pa. Copper base alloys. 415,104; July 10; Serial No. 479,104; published May 1, 1945. Class 14.

Alpina Union Horlogere, A. G.: *See*—
Union Horlogère S. A.

Ambrosia Brewing Company, Chicago, Ill. Beer. 415,025; July 10; Serial No. 475,231; published Apr. 24, 1945. Class 48.

Anc-Co Preserving Co., to The Bama Company, Birmingham, Ala., successor. Fruit jellies. 198,700; renewed May 26, 1945. O. G. July 10. Class 46.

Appalachian Mills Company: *See*—
Knoxville Knitting Mills Co., assignor.

Arizona Orchard Company, Phoenix, to Dale Bumstead, Peoria, Ariz., successor. Deciduous fruits in their natural state, fresh grapes, fresh citrous fruits, etc. 201,354; renewed July 21, 1945. O. G. July 10. Class 46.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Gaskets, washers, rings, etc. 415,101; July 10; Serial No. 479,061; published May 1, 1945. Class 35.

Aseptocaine Company: *See*—
Greenberg, David.

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland cement. 414,995; July 10; Serial No. 466,068; published May 1,1945. Class 12.

Athol Manufacturing Company, Athol, Mass. Coated piece goods of cotton, rayon, nylon or silk. 414,993; July 10; Serial No. 465,244; published May 1, 1945. Class 42.

B. M. C. Manufacturing Corporation, Binghamton, N. Y. Power lawn mowers, scissors with changeable blades and wrenches. 415,114; July 10; Serial No. 479,456; published May 1, 1945. Class 23.

Babson Bros. Co.: *See*—
Pine Tree Milking Machine Co., assignor.

Bako Company: *See*—
Bako Process Company.

Bako Process Company, assignor, by mesne assignments, to J. Edward Collins, doing business as Bako Company, Minneapolis, Minn. Ready-mixed paints, paint enamel, crack sealer, etc. 194,339; renewed Jan. 20, 1945. O. G. July 10. Class 16.

Bama Company, The: *See*—
Anc-Co Preserving Co.

Behlen, Walter D., Columbus, Nebr. Husking rollers used in corn harvesting machines. 415,154; July 10. Class 23.

Blaisdell Pencil Company, Philadelphia, Pa. Marking pencils. 415,157; July 10. Class 37.

Bonat & Bonat, Inc., New York, N. Y. Permanent wave lotions, shampoos, and hand creams. 415,146; July 10. Class 6.

Bosserman, W. H., & Sons: *See*—
Cooper, T. J., & Sons.

Boston Beer Company, South Boston, Mass. Beer and ale. 415,083; July 10; Serial No. 478,535; published Mar. 27, 1945. Class 48.

Brager-Eisenberg, Inc.: *See*—
Brager of Baltimore, assignor.

Brager of Baltimore, assignor to Brager-Eisenberg, Inc., Baltimore, Md. Refrigerators, ice chests, water coolers, etc. 201,315; renewed July 21, 1945. O. G. July 10. Class 31.

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations, and powders. 415,037; July 10; Serial No. 476,595; published May 1, 1945. Class 6.

Bullard Company, The, Bridgeport, Conn. Machine tool control. 415,013,–14; July 10. Serial Nos. 471,969–70; published May 1, 1945. Class 23.

Bumstead, Dale: *See*—
Arizona Orchard Company.

Carlova, Inc., New York, N. Y., assignor to Peggy Sage, Inc., Stamford, Conn. Cold cream, hair tonic, nail polish, etc. 203,295; renewed Sept. 15, 1945. O. G. July 10. Class 6.

Chalmers, James, Jr., doing business as Chalmers Products Co., assignor to Chalmers Gelatine Corp., Williamsville, N. Y. Gelatin desserts of various flavors. 204,156; renewed Oct. 6, 1945. O. G. July 10. Class 46.

Chalmers Gelatine Corp.: *See*—
Chalmers, James, Jr., assignor.

Chalmers Products Co.: *See*—
Chalmers, James, Jr.

Chatham Pharmaceuticals, Inc., Newark, N. J. Hemostatics. 415,039; July 10; Serial No. 476,857; published Apr. 24, 1945. Class 6.

Chemical Feed Products Company, Inc., Chicago, Ill. Chemical mixes in the nature of mineral preparations. 415,147; July 10. Class 6.

Christian Science Publishing Society, The, Boston, Mass. International daily newspaper. 415,007; July 10; Serial No. 469,248; published Apr. 24, 1945. Class 38.

Christian Science Publishing Society, The, Boston, Mass. Weekly publication. 415,008; July 10; Serial No. 469,250; published Apr. 24, 1945. Class 38.

Christian Science Publishing Society, The, Boston, Mass. Periodical published in English and foreign languages. 415,009; July 10; Serial No. 469,251; published Apr. 24, 1945. Class 38.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Toy railroad kits. 415,050; July 10; Serial No. 477,401; published May 1, 1945. Class 22.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Adhesive cement. 415,051; July 10; Serial No. 477,403; published May 1, 1945. Class 5.

Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Water soluble compound. 415,093; July 10; Serial No. 478,857; published May 1, 1945. Class 6.

Collins, J. Edward: *See*—
Bako Process Company, assignor.

Colloidal Paint Products Co.: *See*—
Affleck, Gregor S.

Colman, J. & J., London, England, assignor to J. & J. Colman, Ltd., Norwich, England. Mustard, mustard oil for human use, mustard refuse, etc. 26,355; re-renewed Apr. 9, 1945. O. G. July 10. Classes 6, 10, 15, and 46.

Colman, J. & J., Ltd.: *See*—
Colman, J. & J., assignor.

Coochicos, Spiros, New York, N. Y. Hair tonic. 415,129; July 10; Serial No. 480,131; published May 1, 1945. Class 6.

Cooper Roller Bearings Company Limited, Norfolk, England. Roller bearings. 415,145; July 10. Class 23.

Cooper, T. J., & Sons, to W. M. Bosserman & Son, Winchester, Va., successor. Hosiery, sweaters, men's and boys' dress and work shirts, etc. 203,028; renewed Sept. 8, 1945. O. G. July 10. Class 39.

Corn Products Refining Company, New York, N. Y. Pure crystallized dextrose. 415,126; July 10; Serial No. 479,968; published May 1, 1945. Class 46.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. 415,141; July 10. Class 6.

Country Club Beverage Company: *See*—
Katz, Morris I.

Country Club Soda Company, Inc.: *See*—
Katz, Morris I.

Craddock-Terry Co., assignor to Craddock-Terry Shoe Corporation, Lynchburg, Va. Leather shoes. 204,036; renewed Oct. 6, 1945. O. G. July 10. Class 39.

Craddock-Terry Shoe Corporation: *See*—
Craddock-Terry Co., assignor.

Crompton-Richmond Co., Inc., New Yorfl, N. Y. Fabrics in the piece. 414,991; July 10; Serial No. 459,333; published May 1, 1945. Class 42.

Cuvillas, Andres Avelino Naredo: *See*—
Longoria, M. G.

Da-Do Products Co.: *See*—
Hughes, David W.

Daniel, J. Felix, doing business as New England Distributors, Manchester, N. H. Wax and polish. 415,075; July 10; Serial No. 478,269; published May 1, 1945. Class 16.

De Longoria y Fernandez, Miguel Garcia: *See*—
Longoria, M. G.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. 415,164; July 10. Class 6.

Di Fiore, D., Canning Co. to D. Di Fiore Canning Co., San Jose, Calif., successor. Canned fruits and canned vegetables. 196,041; renewed Mar. 10, 1945. O. G. July 10. Class 46

Dorelis, Inc., New York, N. Y. Perfume and toilet water and cologne. 415,021; July 10; Serial No. 474,396; published May 1, 1945. Class 6.

Draper, Luther O., doing business as Luther O. Draper Shade Company, assignor to Luther O. Draper Shade Company, Spiceland, Ind. Particular quality of cotton duck. 198,980; renewed June 2, 1945. O. G. July 10. Class 42.

Draper, Luther O., Shade Company: *See*—
Draper, Luther O.

Dritz-Traum Company, Inc., New York, N. Y. Ironing press cloths. 415,111; July 10; Serial No. 479,380; published Apr. 17, 1945. Class 24.

DuBois Company, The, Cincinnati, Ohio. Oleaginous compound. 415,095; July 10; Serial No. 478,952; published May 1, 1945. Class 6.

Electro Compound Co., The, assignor to Gustave R. Esping, Cleveland, Ohio. Compound for lubricating electrical wires and cables. 197,351; renewed Apr. 14, 1945. O. G. July 10. Class 15.

Electronic Corporation of America, New York, N. Y. Radio receivers, transmitters, amplifiers, and parts of each therefor. 415,086; July 10; Serial No. 478,612; published May 1, 1945. Class 21.

Engleton Watch Company, New York, N. Y. Watches and watch parts. 415,040; July 10; Serial No. 476,957; published May 1, 1945. Class 27.

Esping, Gustave R.: *See*—
Electro Compond Co., The, assignor.

Famous Products Co.: *See*—
Valmor Products Co.

Fellows Medical Manufacturing Company, Inc. New York, N. Y. Liver and iron capsules. 415,012; July 10; Serial No., 471,520; published Apr. 24, 1945. Class 6.

Field & Flint Co., Boston and Brockton, Mass. Shoes, except women's shoes. 199,894; renewed June 23, 1945. O. G. July 10. Class 39.

First Caramel Malting Corporation, Paterson, N. J. Light malt. 415,068; July 10; Serial No. 478,209; published Apr. 17, 1945. Class 48.

First Caramel Malting Corporation, Paterson, N. J. Malt. 415,069; July 10; Serial No. 478,210; published Apr. 17, 1945. Class 48.

Fisher Flame, Minneapolis, Minn. Pyrophoric cigarette and pipe lighter. 415,024; July 10; Serial No. 475,048; published May 1, 1945. Class 34.

Fisher, Gerhard R., doing business as Fisher Research Research Laboratory, Palo Alto, Calif. Apparatus for locating and/or indicating the position of underground metallic objects and deposits. 415,002; July 10; Serial No. 467,239; published May 1, 1945. Class 26.

Fisher, Gerhard R., doing business as Fisher Research Laboratory, Palo Alto, Calif. Marine telephones, radio transmitters, antennas. 415,001; July 10; Serial No. 467,238; published May 1, 1945. Class 21.

Fisher, Gerhard R., doing business as Fisher Research Laboratory, Palo Alto, Calif. Radio direction finders. 415,030; July 10; Serial No. 475,904; published May 1, 1945. Class 26.

Fisher Research Laboratory: *See*—
Fisher, Gerhard R.

Follene Co.: *See*—
Lutz, Daniel E.

French American Reeds Mfg. Co.: *See*—
Maccaferri, Mario.

Gagnier Brothers, Churubusco, N. Y. Seed potatoes. 415,159; July 10. Class 1.

Gastro-Photor Laboratories Corporation, New York, N. Y. Apparatus for taking photographs of cavities of the body and accessories thereto. 415,061; July 10; Serial No. 478,077; published May 1, 1945. Class 26.

Gavrin, Arthur J., doing business as Arthur J. Gavrin Press, New Rochelle, N. Y. Printed multiple forms inter-leaved with carbon. 415,156; July 10. Class 37.

Gavrin, Arthur J., Press: *See*—
Gavrin, Arthur J.

Geier Mattress Company, The, Cincinnati, Ohio. Box springs, bed springs, inner spring mattresses, etc. 415,113; July 10; Serial No. 479,430; published May 1, 1945. Class 32.

General Mills, Inc., Minneapolis, Minn. Electric flatirons. 415,055; July 10; Serial No. 477,607; published May 1, 1945. Class 21.

Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous material, suitable for use as a fixative in perfumes and the like. 415,081; July 10; Serial No. 478,506; published Apr. 24, 1945. Class 6.

Gleitsman, Chopp & Sadowsky, New York, N. Y. Children's, girls', and misses' dresses, blouses, skirts, and pinafores. 415,107; July 10; Serial No. 479,283; published May 1, 1945. Class 39.

Golden Arrow Toiletries, New York, N. Y. Facial and bath soaps. 415,054; July 10; Serial No. 477,562; published Apr. 24, 1945. Class 4.

Goldsmith, Sabry, doing business as Goldsmith's Products Co., Chicago, Ill. Salve for scalp and skin disorders. 415,143; July 10. Class 6.

Goldsmith's Products Co.: *See*—
Goldsmith, Sabry.

Gottscho, Adolph, Inc., New York, N. Y. Manual and automatic marking machines. 414,996; July 10; Serial No. 466,154; published May 1, 1945. Class 23.

Great Lakes Varnish Works, Inc., Chicago, Ill. Varnishes, paint enamels, stains, floor oils, etc. 204,034; renewed Oct. 6, 1945. Class 16.

Greenberg, David, doing business under the name of Aseptocaine Company, New York, N. Y. Procaine local anesthetic solution. 415,070; July 10; Serial No. 478,214; published May 1, 1945. Class 6.

Griffin, Columbus J., Winston-Salem, N. C., and Lancaster, S. C. Headache powders. 415,155; July 10. Class 6.

Grocery Store Products Co.: *See*—
Palisade Manufacturing Company, The, assignor.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Co., assignor.

Handler, Joseph, doing business as Mercer Oil and Chemical Company, Philadelphia, Pa. Fire extinguisher fluid. 415,161; July 10. Class 6.

Hawley, Joe W., doing business as Slats-O-Wood Awning Co., Houston, Tex. Wooden awnings for use on buildings. 415,158; July 10. Class 12.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. 415,078; July 10; Serial No. 478,423; published Apr. 17, 1945. Class 38.

Heller, Leach, Preston and McCormick, Detroit, Mich. Cutting oils. 415,060; July 10; Serial No. 477,694; published Apr. 24, 1945. Class 15.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes, colognes, toilet waters, flower oils, etc. 415,144; July 10. Class 6.

Hirschfeld, A. B., doing business as The A. B. Hirschfeld Press, to The A. B. Hirschfeld Press, Denver, Colo., successor. Periodical publication. 202,793; renewed Sept. 1, 1945. O. G. July 10. Class 38.

Hirschfeld, A. B., Press, The: *See*—
Hirschfeld, A. B.

Holiday, Inc., New York, N. Y. Cologne, toilet water, and perfume. 415,162; July 10. Class 6.

Hoover Products, Inc., Youngstown, Ohio. Toy bales and toy simulations of animate objects. 415,071; July 10; Serial No. 478,216; published May 1, 1945. Class 22.

Houghton, E. F., & Co., Philadelphia, Pa. Round leather cord and leather belting. 201,893; renewed Aug. 11, 1945. O. G. July 10. Class 35.

Houghton, E. F., & Co., Philadelphia, Pa. Round leather cord and round leather belting. 201,681; renewed Aug. 4, 1945. O. G. July 10. Class 35.

Hoyland Steel Company, Incorporated, New York, N. Y. Iron and low carbon steel. 415,062; July 10; Serial No. 478,079; published May 1, 1945. Class 14.

Hoyland Steel Company, Incorporated, New York, N. Y. Low carbon steel alloy. 415,063; July 10; Serial No. 478,080; published May 1, 1945. Class 14.

Hughes, David W., doing business as Da-Do Products Co., Susquehanna, Pa. Roof coating compound. 415,066; July 10; Serial No. 478,156; published May 1, 1945. Class 16.

Hyland, Clarence M., doing business as Hyland Laboratories, Los Angeles, Calif. Biological products. 415,151; July 10. Class 6.

Hyland Laboratories: *See*—
Hyland, Clarence M.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls, toy stuffed animals, toy airplanes, etc. 415,096; July 10; Serial No. 478,959; published May 1, 1945. Class 22.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls, toy stuffed animals, toy airplanes, etc. 415,117; July 10; Serial No. 479,568; published May 1, 1945. Class 22.

Insta Chemical Company, Tulsa, Okla. Lubricant for cutting tools. 415,043; July 10; Serial No. 477,072; published Apr. 17, 1945. Class 15.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. 415,097; July 10; Serial No. 478,961; published May 1, 1945. Class 1.

Jardur Import Company, New York, N. Y. Navigational instruments. 415,028; July 10; Serial No. 475,697; published May 1, 1945. Class 26.

John-Frederics, New York, N. Y. Face powders. 415,148; July 10. Class 6.

Jordan, R. M., and Company, Providence, R. I. Jewelry. 415,152; July 10. Class 28.

Kansas City Vaccine Co.: *See*—
Oesterhaus, John H.

Käseexport A. G. Goldbach (Emmenthal), Goldbach, near Burgdorf, Switzerland. Cheese and preserved cheese. 165,079; renewed Mar. 6, 1943. O. G. July 10. Class 46.

Katz, Morris I., doing business as Country Club Beverage Company, to Country Club Soda Company, Inc., Springfield, Mass., successor. Carbonated beverages. 199,045; renewed June 2, 1945. O. G. July 10. Class 45.

Kay-Evans Inc., Washington, D. C. Permanent waving solutions, hair creams, shampoos, etc. 415,041; July 10; Serial No. 476,971; published Mar. 27, 1945. Class 6.

Kellogg Company, Battle Creek, Mich. Animal and poultry feeds. 415,047; July 10. Serial No. 477,197; published May 1, 1945. Class 46.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. 415,136–8; July 10; Serial Nos. 480,705–7; published May 1, 1945. Class 26.

Kimball, A., Company, New York, N. Y. Marking tickets. 203,644; renewed Sept. 22, 1945. O. G. July 10. Class 37.

Knoxville Knitting Mills Co., assignor to Appalachian Mills Company, Knoxville, Tenn. Knit goods. 198,792; renewed May 26, 1945. O. G. July 10. Class 39.

Lafond Chocolatier, New York, N. Y. Candy. 415,116; July 10; Serial No. 479,519; published May 1, 1945. Class 46.

Lawrence Fruit Company: *See*—
Nellis, F. E., & Company, assignor.

Ledvinka, Charles S., doing business as Charles S. Ledvinka Company, Baltimore, Md. Skin lotion for the treatment of athlete's foot. 415,044; July 10; Serial No. 477,111; published Apr. 24, 1945. Class 6.

Ledvinka, Charles S., Company: *See*—
Ledvinka, Charles S.

Lehn & Fink Products Corporation, Bloomfield, N. J. Insect repellent. 415,084; July 10; Serial No. 478,555; published Apr. 24, 1945. Class 6.

Lehn & Fink Products Corporation: *See*—
Lysol Inc.

Lelong, Lucien, Inc., Chicago, Ill. Perfume, cologne, toilet water, etc. 415,022; July 10; Serial No. 474,417; published Apr. 24, 1945. Class 6.

Levy, Edward, New Haven, Conn. Magazines. 415,035; July 10; Serial No. 476,440; published Apr. 17, 1945. Class 38.

Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Cologne, hair dressing, after shaving lotion, etc. 415,005; July 10; Serial No. 468,577; published Apr. 24, 1945. Class 6.

Longoria, M. G., to Miguel Garcia de Longoria y Fernandez and Andres Avelino Naredo Cuvillas, Seville, Spain, successor. Olive oil. 193,629; renewed Jan. 6, 1945. O. G. July 10. Class 46.

Luckite Laboratories, Delawanna, N. J. Chemicals. 414,998; July 10; Serial No. 466,921; published Apr. 24, 1945. Class 6.

Lutz, Daniel E., doing business as Follene Co., Buffalo, N. Y. Preparation for stimulating hair follicles and a shampoo. 415,023; July 10; Serial No. 474,419; published Apr. 24, 1945. Class 6.

Lynette Perfumes, Inc., New York, N. Y. Perfumes, toilet waters and powders. 415,127; July 10; Serial No. 480,075; published May 1, 1945. Class 6.

Lysol Inc., New York, N. Y., to Lehn & Fink Products Corporation, Bloomfield, N. J., by merger and change of name. Glue preserver. 200,761; renewed July 7, 1945. O. G. July 10. Class 6.

Maccaferri, Mario, doing business as French American Reeds Mfg. Co., New York, N. Y. Plastic clothes pins. 415,108; July 10; Serial No. 479,292; published Apr. 24, 1945. Class 24.

Mack, Chas. Douglis, Co. Inc., New York, assignor, by mesne assignments, to Morris Mack, Jamaica, Long Island, N. Y. Overcoats, two-piece suits, and three-piece suits, etc. 202,151; renewed Aug. 18, 1945. O. G. July 10. Class 39.

Mack, Chas. Douglis, Co. Inc., also doing business as Silverstrype Co., Inc., New York, assignor, by mesne assignments, to Morris Mack, Jamaica, Long Island, N. Y. Men's, boys', and youths' clothing. 202,995; renewed Sept. 8, 1945. O. G. July 10. Class 39.

Mack, Morris: *See*—
Mack, Chas. Douglis, Co. Inc., assignor.

Manhattan Electrical Supply Company, Incorporated, assignor to National Carbon Company, Inc., New York, N. Y. Dry batteries. 203,694; renewed Sept. 22, 1945. O. G. July 10. Class 21.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 415,049; July 10; Serial No. 477,304; published May 1, 1945. Class 39.

Martin, Walter A., doing business as The Thiamar Laboratory, McAlester, Okla. Germicide compound. 415,045; July 10; Serial No. 477,113; published May 1, 1945. Class 6.

McCoy, J. C., Fort Worth, Tex. Motor oils and greases. 415,087; July 10; Serial No. 478,714; published Apr. 24, 1945. Class 15.

McLintock, D. C., Company, Paterson, N. J. Elastic adhesive bandages. 415,125; July 10; Serial No. 479,890; published May 1, 1945. Class 44.

McNaught Syndicate, Inc., The, New York, N. Y. Comic strip. 415,124; July 10; Serial No. 479,853; published Apr. 24, 1945. Class 38.

Melville Shoe Corporation, New York, N. Y. Composition soles for shoes, and leather and combination cloth and leather shoes. 204,128; renewed Oct. 6, 1945. O. G. July 10. Class 39.

Melville Shoe Corporation, New York, N. Y. Leather soles and leather and combination cloth and leather shoes. 204,127; renewed Oct. 6, 1945. O. G. July 10. Class 39.

Mercer Oil and Chemical Company: *See*—
Handler, Joseph.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Paints. 415,079; July 10; Serial No. 478,434; published May 1, 1945. Class 16.

Minneapolis Knitting Works, Minneapolis, Minn. Infants' safety knit crib blankets. 415,057; July 10; Serial No. 477,659; published May 1, 1945. Class 39.

Monet, Henri: *See*—
Hieber, William S.

Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Twines. 415,128; July 10; Serial No. 480,081; published May 1, 1945. Class 7.

Mueller, Margaret L., doing business as Your Personal Representative, Corpus Christi, Tex. Periodical publication. 415,123; July 10; Serial No. 479,751; published Apr. 24, 1945.

Muffet, Mary, Inc., St. Louis, Mo. Lead pencils. 415,026; July 10; Serial No. 475,446; published Jan. 23, 1944. Class 37.

Mulligan, W. J., & Co.: *See*—
Mulligan, Walter J.

Mulligan, Walter J., doing business as W. J. Mulligan & Co., San Francisco, Calif. Gin. 414,999–415,000; June 10; Serial Nos. 467,002–3; published Apr. 3, 1945. Class 49.

Murray, Joseph I., doing business as T. & M. Drying Co., Port Washington, N. Y. Dried milk product. 415,142; July 10. Class 46.

Myers, Philip R., New York, N. Y. Liqueur. 414,997; July 10; Serial No. 466,226; published Apr. 24, 1945. Class 49.

Myrugia, Sociedad Anónima, Barcelona, Spain. Massage cream, toilet cream, cold cream, etc. 196,997; renewed Apr. 7, 1945. O. G. July 10. Class 6.

National Carbon Company, Inc.: *See*—
Manhattan Electrical Supply Company, Incorporated, assignor.

National Lock Company, Rockford, Ill. Locks, keys, and key blanks. 415,102; July 10; Serial No. 479,088; published Apr. 17, 1945. Class 25.

National Marking Machine Company, The, Cincinnati, Ohio. Laundry marking machines. 415,082; July 10; Serial No. 478,514; published Apr. 24, 1945. Class 24.

National Victory Garden Institute, Inc., New York, N. Y. News and advisory bulletins. 415,109; July 10; Serial No. 479,296; published Apr. 17, 1945. Class 38.

Neil's Flavor Laboratory, Los Angeles, Calif. Flavor bases for making non-alcoholic, maltless beverages. 415,006; July 10; Serial No. 469,089; published Apr. 24, 1945. Class 45.

Nellis, F. E., & Company, assignor to Lawrence Fruit Company, Chicago, Ill. Fresh apples, cantaloupes, oranges, etc. 199,616; renewed June 16, 1945. O. G. July 10. Class 46.

New England Distributors: *See*—
Daniel, J. Felix.

New York Consolidated Card Company, The, New York, N. Y., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 46,490; re-renewed Sept. 19, 1945. O. G. July 10. Class 22.

New York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany, assignor to S. & G. Rubber Company, Inc., Westwood, N. Y. Combs, hairpins, hair buckles. 197,224; renewed Apr. 14, 1945. O. G. July 10. Class 40.

New York Quinine and Chemical Works, Inc., The, Brooklyn, N. Y. Vitamin mixture. 415,100; July 10; Serial No. 479,011; published May 1, 1945. Class 6.

Norman Watch Co., New York, N. Y. Watches and watch parts. 415,072; July 10; Serial No. 478,242; published May 1, 1945. Class 27.

Oberman & Company, Jefferson City, Mo. Work clothing. 415,042; July 10; Serial No. 476,981; published May 1, 1945. Class 39.

Oesterhaus, John H., doing business as Kansas City Vaccine Co., Kansas City, Mo. Preparation for the treatment of retained afterbirth and a uterine discharge in livestock. 415,076; July 10; Serial No. 478,287; published Apr. 24, 1945. Class 6.

Oil Trading Company, New York, N. Y. Lubricating oils, greases, white and mineral oils, etc. 415,059; July 10; Serial No. 477,790; published May 1, 1945. Class 15.

Old Fashioned Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Non-alcoholic, noncereal, maltless beverages. 415,105; July 10; Serial No. 479,251; published Apr. 10, 1945. Class 45.

Ontario Biscuit Company, Buffalo, N. Y., assignor to United Biscuit Company of America, Chicago, Ill. Cakes. 204,138; renewed Oct. 6, 1945. O. G. July 10. Class 46.

Oppenheim & McEwan Co. Inc., Albany, N. Y. Canned shrimp, rolled oats, cocoa, etc. 197,633; renewed Apr. 21, 1945. O. G. July 10. Class 46.

Oregon Growers Cooperative Association, assignor, by mesne assignments, to Paulus Bros. Packing Company, Salem, Oreg. Canned fruits and canned vegetables. 173,615; renewed Oct. 2, 1943. O. G. July 10. Class 46.

Pabst Chemical Company, to Pabst Chemical Co., Chicago, Ill., successor. Medicine specific for gonorrhea, gleet kidney and bladder affections, etc. 45,788; re-renewed Aug. 29, 1945. O. G. July 10. Class 6.

Pabst Chemical Co.: *See*—
Pabst Chemical Company.

Palisade Manufacturing Company, The, West Hoboken, N. J., assignor, by mesne assignments, to Grocery Store Products Co., Union City, N. J. Culinary coloring and flavoring extracts. 46,068; re-renewed Sept. 5, 1945. O. G. July 10. Class 46.

Panef Manufacturing Co., Milwaukee, Wis. Powdered lubricants. 415,056; July 10; Serial No. 477,615; published Apr. 17, 1945. Class 15.

Papperman, John, assignor to Pine-O-Pine Company of Texas, Houston, Tex. Antiseptics and disinfectants. 126,743; renewed Sept. 30, 1939. O. G. July 10. Class 6.

Parfums D'Artimon: *See*—
Wilde, John P.

Paris Medicine Co., St. Louis, Mo., assignor to The Grove Laboratories, Inc., Wilmington, Del. Remedies for coughs, colds, and headaches. 46,395; re-renewed Sept. 19, 1945. O. G. July 10.

Paris Medicine Co., St. Louis, Mo., assignor to The Grove Laboratories, Inc., Wilmington, Del. Artificial ointment. 46,355; re-renewed Sept. 12, 1945. O. G. July 10. Class 6.

Patrick, Nedra, New York, N. Y. Stuffed animal toys. 415,130; July 10; Serial No. 480,144; published May 1, 1945. Class 22.

Paulus Bros. Packing Company: *See*—
Oregon Growers Cooperative Association, assignor.

Pebbleford Distillery Co., Wilder, Newport, Ky. Whiskey. 415,106; July 10; Serial No. 479,252; published Apr. 24, 1945. Class 49.

Phillips, S. Tom, New York, N. Y. Toilet waters, colognes, perfumes, etc. 415,165; July 10. Class 6.

Pillsbury Flour Mills Company, assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Cereal foods. 193,188; renewed Dec. 23, 1944. O. G. July 10. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company, assignor.

Pine-O-Pine Company of Texas: *See*—
Paperman, John, assignor.

Pine Tree Milking Machine Co., assignor, by mesne assignments, to Babson Bros. Co., Chicago, Ill. Milker units. 201,871; renewed Aug. 11, 1945. O. G. July 10. Class 23.

Pini Hnos, & Cia. S. A. Comercial E Industrial, Buenos Aires, Argentina. Dry gin, old Tom gin, and whisky. 414,992; July 10; Serial No. 463,133; published Apr. 24, 1945. Class 49.

Plywoods-Plastics Corporation, Hampton, S. C. Composition construction board. 415,046; July 10; Serial No. 477,121; published May 1, 1945. Class 12.

Pogue, H. E., Distillery Company, Inc., The, Maysville, Ky. Whiskey. 415,120; July 10; Serial No. 479,643; published Apr. 10, 1945. Class 49.

Protection Products Mfg. Co., Kalamazoo, Mich. Preparation for preserving wood and preventing destruction by termites. 415,103; July 10; Serial No. 479,092; published May 1, 1945. Class 6.

Public Service Company of Colorado, Denver, Colo. Trade magazine. 415,122; July 10; Serial No. 479,691; published Apr. 24, 1945. Class 38.
Radio Corporation of America, New York, N. Y. Lubricating oil and grease. 415,080; July 10; Serial No. 478,436; published Apr. 24, 1945. Class 15.
Rand Rubber Company, Inc., Brooklyn, N. Y. Dress shields. 415,149; July 10. Class 40.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, cognac, etc. 415,032; July 10; Serial No. 476,172; published Apr. 10, 1945. Class 49.
Reid, Murdoch & Co., Chicago, Ill. Canned fruits, berries, vegetables, fruit salad, etc. 204,009; renewed Oct. 6, 1945. O. G. July 10. Class 46.
Reid, Murdoch & Co., Chicago, Ill. Salad dressing, coffee, catchup, etc. 203,531; renewed Sept. 22, 1945. O. G. July 10. Class 46.
Reid, Murdoch & Co., Chicago, Ill. Canned fruits and fruit preserves, canned vegetables, etc. 204,011; renewed Oct. 6, 1945. O. G. July 10. Class 46.
Renewal Manufacturing Co., Inc., New York, N. Y. Plastic toys. 415,121; July 10; Serial No. 479,647; published May 1, 1945. Class 22.
Renzulli, Aurelio V., doing business as Renzulli Laboratories, Jersey City, N. J. Remedy for the treatment of rheumatism, sciatica, gout, etc. 203,511; renewed Sept. 22, 1945. O. G. July 10. Class 6.
Renzulli Laboratories: *See*—
Renzulli, A. V.
Richey, Incorporated, Chicago, Ill. Perfume. 415,077; July 10; Serial No. 478,344; published Apr. 24, 1945. Class 6.
Rolley, Charles A., doing business as Rolley Perfumes, San Francisco, Calif. Perfumes, colognes, sachets, etc. 415,153; July 10. Class 6.
Rolley Perfumes: *See*—
Rolley, Charles A.
Rose Brothers, New York, N. Y. Men's and young men's suits and pants. 415,119; July 10; Serial No. 479,600; published May 1, 1945. Class 39.
Rose Brothers, New York, N. Y. Men's and young men's suits and pants. 415,118; July 10; Serial No. 479,598; published May 1, 1945. Class 39.
Rose, Roy E., doing business as Rosecraft Studios, Crestline, Calif. Picture postcards and album views. 415,015; July 10; Serial No. 472,016; published Apr. 24, 1945. Class 38.
Rosecraft Studios: *See*—
Rose, Roy E.
S. & G. Rubber Company, Inc.: *See*—
New York, Hamburger Gummi-Waaren Compagnie, assignor.
Sage, Peggy, Inc.: *See*—
Carlova, Inc., assignor.
Schieffelin & Company, New York, N. Y. Endocrine or animal gland products. 203,524; renewed Sept. 22, 1945. O. G. July 10. Class 6.
Schlueter, Carl O., doing business as C. O. Schlueter Medicine Co., Evansville, Ind. Ointment. 415,168; July 10. Class 6.
Schluter, C. O., Medicine Co.: *See*—
Schlueter, Carl O.
Schlumbohm, Peter, New York, N. Y. Priessnitz compress. 415,135; July 10; Serial No. 480,426; published May 1, 1945. Class 44.
Schrager & Muster, Inc., New York, N. Y. Blouses and dresses for the use of misses. 415,089; July 10; Serial No. 478,766; published May 1, 1945. Class 39.
Scott & Bowne, Bloomfield, N. J. Cod liver oil food tonic, cough syrup, skin ointment, etc. 415,048; July 10; Serial No. 477,242; published Apr. 24, 1945. Class 6.
Seltzer, Oscar, Chicago, Ill. Letter writing paper and envelopes. 415,064; July 10; Serial No. 478,089; published May 1, 1945. Class 37.
Shannon, Simon C., Washburn, Ill. Hog remedy. 415,098; July 10; Serial No. 478,976; published May 1, 1945. Class 6.
Shell Union Oil Corporation, San Francisco, Calif. Chemical preparation for inhibiting oxidaton. 415,058; July 10; Seral No. 477,669; published May 1, 1945. Class 6.
Silverstrype Co., Inc.: *See*—
Mack, Chas. Douglis, Co. Inc., assignor.
Slats-O-Wood Awning Co.: *See*—
Hawley, Joe W.
Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 415,115; July 10; Serial No. 479,498; published May 1, 1945. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 415,090–2; July 10; Serial Nos. 478,834–6; published Apr. 24, 1945. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vasoconstrictor. 415,019; July 10; Serial No. 473,232; published Apr. 24, 1945. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Analgesic preparation and preparation for the stimulation of the central nervous system. 415,029; July 10; Serial No. 475,820; published Apr. 3, 1945. Class 6.
Smith & Nichols, Inc., New York, N. Y. Candles. 415,073–4; July 10; Serial Nos. 478,256–7; published Apr. 17, 1945. Class 15.
Sonneborn, L., Sons, Inc., New York, N. Y. Asphalt emulsion for waterproofing. 415,131; July 10; Serial No. 480,209; published Apr. 24, 1945. Class 12.
Sonneborn, L., Sons, Inc., New York, N. Y. Penetrant and wetting agent. 415,094; July 10; Serial No. 478,909; published May 1, 1945. Class 6.
South Bend Lumber Co. Inc., South Bend, Ind. Prefabricated houses. 415,010; July 10; Serial No. 469,706; published May 1, 1945. Class 12.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. 415,099; July 10; Serial No. 478,977; published May 1, 1945. Class 1.
Southway Incorporated, Atlanta, Ga. Non-alcoholic, noncereal, maltless beverages. 415,065; July 10; Serial No. 478,093; published Apr. 10, 1945. Class 45.
Sports, Inc., Chicago, Ill. Traffic whistles. 415,132; July 10; Serial No. 480,215; published May 1, 1945. Class 22.
Standard Laboratories, Inc., Los Angeles, Calif., and New York, assignor to Standard Laboratories, Inc., New York, N. Y. Pomades for the hair. 203,348; renewed Sept. 15, 1945. O. G. July 10. Class 6.
Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Asphalt and asphalt brick filler. 203,706; renewed Sept. 22, 1945. O. G. July 10. Class 12.
Standard Oil Company of New Jersey: *See*—
Standard Oil Company (New Jersey), assignor.
Standard Packing Co., Los Angeles, Calif. Hams and bacon. 204,057; renewed Oct. 6, 1945. O. G. July 10. Class 46.
Standard Varnish Works, Staten Island, N. Y. Thermosetting plastic. 415,036; July 10; Serial No. 476,533; published May 1, 1945. Class 16.
Stein, A., & Company, Chicago, Ill. Narrow elastic. 202,786; renewed Sept. 1, 1945. O. G. July 10. Class 40.
Stoddard Brothers, Inc., Hartford, Conn. Prune juice. 415,139; July 10; Serial No. 480,721; published May 1, 1945. Class 46.
Stuart Company, The, assignor to The Stuart Dental Products Co., Pasadena, Calif. Vitamin compound. 415,052–3; July 10; Serial Nos. 477,435–6; published May 1, 1945. Class 6.
Stuart Dental Products Co., The: *See*—
Stuart Company, The, assignor.
Sumco Products Inc., New York, N. Y. Fire scale removing preparation. 415,150; July 10. Class 6.
Sure-Rite Products Company, Philadelphia, Pa. Liquid fabric cleaner and spot remover, liquid and powdered car wash, metal and reflector polish, etc. 415,033; July 10; Serial No. 476,347; published Apr. 24, 1945. Class 4.
Sure-Rite Products Company, Philadelphia, Pa. Lubricating oil and penetrating oil. 415,034; July 10; Serial No. 476,348; published Apr. 17, 1945. Class 15.
T. & M. Drying Co.: *See*—
Murray, Joseph I.
Tension Envelope Corporation, New York, N. Y. Envelopes. 415,031; July 10; Serial No. 476,036; published May 1, 1945. Class 37.
Texas Company, The, New York, N. Y. Gasoline. 415,112; July 10; Serial No. 479,406; published Apr. 24, 1945. Class 15.
Thiamar Laboratory, The: *See*—
Martin, Walter A.
Titanine, Inc., Union, N. J. Lacquer-like coating materials. 415,067; July 10; Serial No. 478,192; published Apr. 24, 1945. Class 16.
Trufruit Syrup Corporation, Brooklyn, N. Y. Syrups for flavoring soft drinks. 415,004; July 10; Serial No. 467,679; published Apr. 10, 1945. Class 45.
Truscon Laboratories, Inc., Detroit, Mich. Ready mixed paints. 415,038; July 10; Serial No. 476,709; published May 1, 1945. Class 16.
Union Horlogère S. A., Bienne, by change of name to Alpina Union Horlogere, A. G., Biel, Switzerland. Watches. 194,510; renewed Jan. 27, 1945. O. G. July 10. Class 27.
Union Starch & Refining Company, Columbus, Ind. Caramel color. 415,011; July 10; Serial No. 469,881; published Apr. 24, 1945. Class 45.
United Biscuit Company of America: *See*—
Ontario Biscuit Company, assignor.
United States Graphite Co., The, Saginaw, Mich. Brushes. 199,397; renewed June 9, 1945. O. G. July 10. Class 21.
United States Graphite Co., The, Saginaw, Mich. Graphite paint and locomotive-front-end graphite coating. 203,432; renewed Sept. 15, 1945. O. G. July 10. Class 16.
United States Playing Card Company, The: *See*—
New York Consolidated Card Company, The, assignor.
United States Rubber Company, New Brunswick, N. J., and New York, to United States Rubber Company, New York, N. Y. Rubber thread. 202,542; renewed Aug. 25, 1945. O. G. July 10. Class 43.
United States Rubber Company, New York, N. Y. Golf balls. 202,965; renewed Sept. 8, 1945. O. G. July 10. Class 22.

United Wallpaper Factories Inc., Chicago, Ill. Paper articles. 415,003; July 10; Serial No. 467,415; published May 1, 1945. Class 37.
Universal Concrete Pipe Company, Columbus, Ohio. Pipes constructed of concrete. 414,994; July 10; Serial No. 465,932; published May 1, 1945. Class 12.
Vacu-Dry Company, Oakland, Calif. Prepared desserts. 415,016; July 10; Serial No. 472,597; published May 1, 1945. Class 46.
Val-A-Company, Chicago, Ill. Chemical preparation for disposing of rust. 415,167; July 10. Class 6.
Valmor Products Co., also doing business as Famous Products Co., Chicago, Ill. Deodorant. 415,160; July 10. Class 6.
Vandam, Albert H., Co., Inc., New York, N. Y. Textile fabrics in the piece. 415,085; July 10; Serial No. 478,562; published May 1, 1945. Class 42.
Victor Electric Products, Inc., Cincinnati, Ohio. Electric fans, electric motors, portable electric fans, etc. 415,017; July 10; Serial No. 472,915; published May 1, 1945. Class 21.
Victor Electric Products, Inc., Cincinnati, Ohio. Electric exhaust fans. 415,018; July 10; Serial No. 472,919; published May 1, 1945. Class 34.
Waggoner-Gates Milling Company, Independence, Mo. Wheat-flour. 45,341; re-renewed Aug. 15, 1945. O. G. July 10. Class 46.
Warner Brothers Company, The, Bridgeport, Conn. Ventilating hose. 415,134; July 10; Serial No. 480,358; published May 1, 1945. Class 35.
Werner, R. D., Co., Inc., New York, N. Y. Molded and extruded plastics. 415,140; July 10. Class 12.
White, Malcolm R., Haverstraw, N. Y. Electric wire. 415,166; July 10. Class 21.
Widman, Emma: *See*—
Widman, Joseph.
Widman, Joseph, doing business as Ace Sheet Metal Works, to Emma Widman, doing business as Ace Metal Products Company, Los Angeles, Calif., successor. Eaves, troughs, gutters, etc. 197,055; renewed Apr. 7, 1945. O. G. July 10. Class 12.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Face and hand creams. 415,163; July 10. Class 6.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume. 415,088; July 10; Serial No. 478,729; published Apr. 24, 1945. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Scotch whiskey. 415,027; July 10; Serial No. 475,596; published Apr. 17, 1945. Class 49.
Woodworth, N. A., Company, Ferndale, Mich. Plug gages, thread gages, ring gages, etc. 415,110; July 10; Serial No. 479,321; published May 1, 1945. Class 26.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Caustic soda and soda ash composition. 415,169; July 10. Class 6.
Your Personal Representative: *See*—
Mueller, Margaret L.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Island Creek Coal Sales Company. 415,097; July 10; Serial No. 478,961 published May 1, 1945.
Coal. Southern Coal Company, Incorporated. 415,099; July 10; Serial No. 478,977; published May 1, 1945.
Potatoes, Seed. Gagnier Brothers. 415,159; July 10.

CLASS 3

Wallets, traveling kits and hand bags. Louis Aisenstein & Bros. 415,133; July 10; Serial No. 480,306; published May 1, 1945.

CLASS 4

Cleaner and spot remover; liquid and powdered car wash; metal and reflector polish, etc., Liquid fabric. Sure-Rite Products Company. 415,033; July 10; Serial No. 476,347; published Apr. 24, 1945.
Soaps, Facial and bath. Golden Arrow Toiletries. 415,054; July 10; Serial No. 477,562; published Apr. 24, 1945.

CLASS 5

Cement, Adhesive. A. F. Christman. 415,051; July 10; Serial No. 477,403; published May 11, 1945.

CLASS 6

Analgesic preparation and preparation for the stimulation of the central nervous system. Smith, Kline & French Laboratories. 415,029; July 10; Serial No. 475,820; published Apr. 3, 1945.
Antiseptics and disinfectants. J. Papperman. 126,743; renewed Sept. 30, 1939. O. G. July 10.
Biological products. C. M. Hyland. 415,151; July 10.
Chemical compounds, preparations, and powders. E. A. Brown. 415,037; July 10; Serial No. 476,595; published May 1, 1945.
Chemical mixes in the nature of mineral preparations. Chemical Feed Products Company, Inc. 415,147; July 10.
Chemical preparation for disposing of rust. Val-A Company. 415,167; July 10.
Chemical preparation for inhibiting oxidation. Shell Union Oil Corporation. 415,058; July 10; Serial No. 477,669; published May 1, 1945.
Chemicals. Luckite Laboratories. 414,998; July 10; Serial No. 466,921; published Apr. 24, 1945.
Cologne, hair dressing, after shaving lotion, etc. Lightfoot Schultz Co. 414,005; July 10; Serial No. 468,577; published Apr. 24, 1945.
Cologne, toilet water, and perfume. Holiday, Inc. 415,162; July 10.
Cream, hair tonic, nail polish, etc., Cold. Carlova, Inc. 203,295; renewed Sept. 15, 1945. O. G. July 10.
Cream, toilet cream, cold cream, etc., Massage. Myrurgia, Sociedad Anonima. 196,997; renewed Apr. 7, 1945. O. G. July 10.
Creams, Face and hand. J. P. Wilde. 415,163; July 10.
Deodorant. Valmor Products Co. 415,160; July 10.
Endocrine or animal gland products. Schieffelin & Company. 203,524; renewed Sept. 22, 1945. O. G. July 10.
Fluid, Fire extingisher. J. Handler. 415,161; July 10.
Germicide compound. W. A. Martin. 415,045; July 10. Serial No. 477,113; published May 1, 1945.
Glue preserver. Lysol Inc. 200,701; renewed July 7, 1945. O. G. July 10.
Hemostatics, Chatham Pharmaceuticals, Inc. 415,039; July 10; Serial No. 476,857; published Apr. 24, 1945.
Hog remedy. S. C. Shannon. 415,098; July 10; Serial No. 478,976; published May 1, 1945.
Liver and iron capsules. Fellows Medical Manufacturing Company, Inc. 415,012; July 10; Serial No. 471,520; published Apr. 24, 1945.
Lotion for the treatment of athlete's foot, Skin. C. S. Ledvinka. 415,044; July 10; Serial No. 477,111; published Apr. 24, 1945.
Lotions, shampoos, and hand creams, Permanent wave. Bonat & Bonat, Inc. 415,146; July 10.
Medicine specific for gonorrhea, gleet, kidney and bladder infections, etc. Pabst Chemical Company. 45,788; re-renewed Aug. 29, 1945. O. G. July 10.
Mustard, mustard oil for human use, mustard refuse, etc. J. & J. Colman. 26,355; re-renewed Apr. 9, 1945. O. G. July 10.
Odoriferous material, suitable for use as a fixative in perfumes and the like. Givaudan-Delawanna, Inc. 415,081; July 10; Serial No. 478,506; published Apr. 24, 1945.
Ointment. C. O. Schlueter. 415,168; July 10.
Ointment, Artificial. Paris Medicine Co. 46,355; re-renewed Sept. 12, 1945. O. G. July 10.
Oleaginous compound. Du Bois Company. 415,095; July 10; Serial No. 478,952; published May 1, 1945.
Penetrant and wetting agent. L. Sonneborn Sons, Inc. 415,094; July 10; Serial No. 478,909; published May 1, 1945.
Perfume. Richey, Incorporated. 415,077; July 10; Serial No. 478,344; published Apr. 24, 1945.
Perfume, J. P. Wilde. 415,088; July 10; Serial No. 478,729; published Apr. 24, 1945.
Perfume and toilet water and cologne. Dorelis, Inc. 415,021; July 10; Serial No. 474,396; published May 1, 1945.
Perfume, cologne, toilet water, etc. Lucien Lelong, Inc. 415,022; July 10; Serial No. 474,417; published Apr. 24, 1945.
Perfumes, colognes, sachets, etc. C. A. Rolley. 415,153; July 10.
Perfumes, colognes, toilet waters, flower oils, etc. W. S. Hieber. 415,144; July 10.
Perfumes, toilet waters and powders. Lynette Perfumes, Inc. 415,127; July 10; Serial No. 480,075; published May 1, 1945.
Permanent waving solutions, hair creams, shampoos, etc. Kay-Evans Inc. 415,041; July 10; Serial No. 476,971; published Mar. 27, 1945.
Pomades for the hair. Standard Laboratories, Inc. 203,348; renewed Sept. 15, 1945. O. G. July 10.
Powder, dusting powder, toilet water, perfume, etc., Face. Coty, Inc. 415,141; July 10.
Powders, Face. John-Frederics. 415,148; July 10.
Powders, Headache. C. J. Griffin. 415,155; July 10.
Preparation for preserving wood and preventing destruction by termites. Protection Products Mfg. Co. 415,103; July 10; Serial No. 479,092; published May 1, 1945.
Preparation for stimulating hair follicles and a shampoo. D. E. Lutz. 415,023; July 10; Serial No. 474,419; published Apr. 24, 1945.

Preparation for the treatment of retained afterbirth and a uterine discharge in livestock. J. H. Oesterhaus. 415,076; July 10; Serial No. 478,287; published Apr. 24, 1945.
Procaine local anesthetic solution. D. Greenberg. 415,070; July 10; Serial No. 478,214; published May 1, 1945.
Remedies for coughs, colds, and headaches. Paris Medicine Co. 46,395; re-renewed Sept. 19, 1945. O. G. July 10.
Remedy for the treatment of rheumatism, sciatica, gout, etc. A. V. Renzulli. 203,511; renewed Sept. 22, 1945. O. G. July 10.
Repellent, Insect. Lehn & Fink Products Corporation. 415,084; July 10; Serial No. 478,555; published Apr. 24, 1945.
Salve for scalp and skin disorders. S. Goldsmith. 415,143; July 10.
Scale removing preparation, Fire. Sumco Products Inc. 415,150; July 10.
Soda and soda ash composition, Caustic. Wyandotte Chemicals Corporation. 415,169; July 10.
Sour, Laundry. Diamond Alkali Company. 415,164; July 10.
Sulfonamide preparation. Smith, Kline & French Laboratories. 415,090–2; July 10; Serial Nos. 478,834–6; published Apr. 24, 1945.
Sulfonamide preparation. Smith, Kline & French Laboratories. 415,115; July 10; Serial No. 479,498; published May 1, 1945.
Tonic, cough syrup, skin ointment, etc., Cod liver oil food. Scott & Bowne. 415,048; July 10; Serial No. 477,242; published Apr. 24, 1945.
Tonic, Hair. S. Coochicos. 415,129; July 10; Serial No. 480,131; published May 1, 1945.
Vasoconstrictor. Smith, Kline & French Laboratories. 415,019; July 10; Serial No. 473,232; published Apr. 24, 1945.
Vitamin compound. Stuart Company. 415,052–3; July 10; Serial Nos. 477,435–6; published May 1, 1945.
Vitamin mixture. New York Quinine and Chemical Works, Inc. 415,100; July 10; Serial No. 479,011; published May 1, 1945.
Water soluble compound. Cincinnati Milling Machine Co. 415,093; July 10; Serial No. 478,857; published May 1, 1945.
Waters, colognes, perfumes, etc., Toilet. S. Tom Phillips. 415,165; July 10.

CLASS 7

Twines. Mount Vernon-Woodberry Mills, Incorporated. 415,128; July 10; Serial No. 480,081; published May 1, 1945.

CLASS 10

Mustard, mustard oil for human use, mustard refuse, etc. J. & J. Colman. 26,355; re-renewed Apr. 9, 1945. O. G. July 10.

CLASS 12

Asphalt and asphalt brick filler. Standard Oil Company (New Jersey). 203,706; renewed Sept. 22, 1945. O. G. July 10.
Awnings for use on buildings, Wooden. J. W. Hawley. 415,158; July 10.
Board, Composition construction. Plywoods-Plastics Corporation. 415,046; July 10; Serial No. 477,121; published May 1, 1945.
Cement, Portland. Ash Grove Lime & Portland Cement Company. 414,995; July 10; Serial No. 466,068; published May 1, 1945.
Eaves, troughs, gutters, etc. J. Widman. 197,055; renewed Apr. 7, 1945. O. G. July 10.
Emulsion for waterproofing, Asphalt. L. Sonneborn Sons, Inc. 415,131; July 10; Serial No. 480,209; published Apr. 24, 1945.
Houses, Prefabricated. South Bend Lumber Co. Inc. 415,010; July 10; Serial No. 469,706; published May 1, 1945.
Pipes constructed of concrete. Universal Concrete Pipe Company. 414,994; July 10; Serial No. 465,932; published May 1, 1945.
Plastics, Molded and extruded. R. D. Werner Co., Inc. 415,140; July 10.

CLASS 14

Alloy, Low carbon steel. Hoyland Steel Company, Incorporated. 415,063; July 10; Serial No. 478,080; published May 1, 1945.
Alloys, Copper base. Ajax Metal Company. 415,104; July 10; Serial No. 479,104; published May 1, 1945.
Iron and low carbon steel. Hoyland Steel Company, Incorporated. 415,062; July 10; Serial No. 478,079; published May 1, 1945.

CLASS 15

Candles. Smith & Nichols, Inc. 415,073–4; July 10; Serial Nos. 478,256–7; published Apr. 17, 1945.
Compound for lubricating electrical wires and cables. Electro Compound Co. 197,351; renewed Apr. 14, 1945. O. G. July 10.
Gasoline. Texas Company. 415,112; July 10; Serial No. 479,406; published Apr. 24, 1945.
Lubricant for cutting tools. Insta Chemical Company. 415,043; July 10; Serial No. 477,072; published Apr. 17, 1945.
Lubricants, Powdered. Panef Manufacturing Co. 415,056; July 10; Serial No. 477,615; published Apr. 17, 1945.
Mustard, mustard oil for human use, mustard refuse, etc. J. & J. Colman. 26,355; re-renewed Apr. 9, 1945. O. G. July 10.
Oil and grease, Lubricating. Radio Corporation of America. 415,080; July 10; Serial No. 478,436; published Apr. 24, 1945.
Oil and penetrating oil, Lubricating. Sure-Rite Products Company. 415,034; July 10; Serial No. 476,348; published Apr. 17, 1945.
Oils and greases, Motor. J. C. McCoy. 415,087; July 10; Serial No. 478,714; published Apr. 24, 1945.
Oils, Cutting. Heller, Leach, Preston and McCormick. 415,060; July 10; Serial No. 477,694; published Apr. 24, 1945.
Oils, greases, white and mineral oils, etc., Lubricating. Oil Trading Company. 415,059; July 10; Serial No. 477,790; published May 1, 1945.

CLASS 16

Coating materials, Lacquer-like. Titanine, Inc. 415,067; July 10; Serial No. 478,192; published Apr. 24, 1945.
Paint and locomotive-front-end graphite coating, Graphite. United States Graphite Co. 203,432; renewed Sept. 15, 1945. O. G. July 10.
Paints. M. J. Merkin Paint Co., Inc. 415,079; July 10; Serial No. 478,434; published May 1, 1945.
Paints, paint enamel, crack sealer, Ready-mixed. Bako Process Company. 194,339; renewed Jan. 20, 1945. O. G. July 10.
Paints, Ready mixed. Truscon Laboratories, Inc. 415,038; July 10; Serial No. 476,709; published May 1, 1945.
Paste-like material. G. S. Affleck. 415,020; July 10; Serial No. 473,924; published Apr. 24, 1945.
Plastic, Thermo-setting. Standard Varnish Works. 415,036; July 10; Serial No. 476,533; published May 1, 1945.
Roof coating compound. D. W. Hughes. 415,066; July 10; Serial No. 478,156; published May 1, 1945.
Varnishes, paint enamels, stains, floor oils, etc. Great Lakes Varnish Works, Inc. 204,034; renewed Oct. 6, 1945. O. G. July 10.
Wax and polish. J. F. Daniel. 415,075; July 10; Serial No. 478,269; published May 1, 1945.

CLASS 21

Batteries, Dry. Manhattan Electrical Supply Company, Incorporated. 203,694; renewed Sept. 22, 1945. O. G. July 10.
Brushes. United States Graphite Co. 199,397; renewed June 9, 1945. O. G. July 10.
Electric fans, electric motors, portable electric fans, etc. Victor Electric Products, Inc. 415,017; July 10; Serial No. 472,915; published May 1, 1945.
Electric wire. M. R. White. 415,166; July 10.
Flatirons, Electric. General Mills, Inc. 415,055; July 10; Serial No. 477,607; published May 1, 1945.
Radio receivers, transmitters, amplifiers and parts of each thereof. Electronic Corporation of America. 415,086; July 10; Serial No. 478,612; published May 1, 1945.
Telephones, radio transmitters, antennas, Marine. G. R. Fisher. 415,001; July 10; Serial No. 467,238; published May 1, 1945.

CLASS 22

Dolls, Toy stuffed animals, toy airplanes, etc. Ideal Novelty & Toy Co. 415,096; July 10; Serial No. 478,959; published May 1, 1945.
Dolls, toy stuffed animals, toy airplanes, etc. Ideal Novelty & Toy Co. 415,117; July 10; Serial No. 479,568; published May 1, 1945.
Golf balls. United States Rubber Company. 202,965; renewed Sept. 8, 1945. O. G. July 10.
Playing-cards. New York Consolidated Card Company. 46,490; re-renewed Sept. 19, 1945. O. G. July 10.
Plastic toys. Renwal Manufacturing Co., Inc. 415,121; July 10; Serial No. 479,647; published May 1, 1945.
Toy balls and toy simulations of animate objects. Hoover Products, Inc. 415,071; July 10; Serial No. 478,216; published May 1, 1945.
Toy railroad kits. A. F. Christman. 415,050; July 10; Serial No. 477,401; published May 1, 1945.
Toys, Stuffed animal. N. Patrick. 415,130; July 10; Serial No. 480,144; published May 1, 1945.
Whistles, Traffic. Sports, Inc. 415,132; July 10; Serial No. 480,215; published May 1, 1945.

CLASS 23

Bearings, Roller. Cooper Roller Bearings Company Limited. 415,145; July 10.
Machine tool control. Bullard Company. 415,013–14; July 10; Serial Nos. 471,969–70; published May 1, 1945.
Marking machines, Manual and automatic. Adolph Gottscho, Inc. 414,996; July 10; Serial No. 466,154; published May 1, 1945.

Milker units. Pine Tree Milking Machine Co. 201,871; renewed Aug. 11, 1945. O. G. July 10.
Mowers, scissors with changeable blades and wrenches, Power lawn. B. M. C. Manufacturing Corporation. 415,114; July 10; Serial No. 479,456; published May 1, 1945.
Rollers used in corn harvesting machines, Husking. W. D. Behlen. 415,154; July 10.

CLASS 24

Clothes pins, Plastic. M. Maccaferri. 415,108; July 10; Serial No. 479,292; published Apr. 24, 1945.
Ironing press cloths. Dritz-Traum Company, Inc. 415,111; July 10; Serial No. 479,380; published Apr. 17, 1945.
Laundry marking machine. National Marking Machine Company. 415,082; July 10; Serial No. 478,514; published Apr. 24, 1945.

CLASS 25

Locks, keys, and key blanks. National Lock Company. 415,102; July 10; Serial No. 479,088; published Apr. 17, 1945.

CLASS 26

Apparatus for locating and/or indicating the position of underground metallic objects and deposits. G. R. Fisher. 415,002; July 10; Serial No. 467,239; published May 1, 1945.
Apparatus for taking photographs of cavities of the body and accessories thereto. Gastro-Photor Laboratories Corporation. 415,061; July 10; Serial No. 478,077; published May 1, 1945.
Gages, thread gages, ring gages, etc., Plug. N. A. Woodworth Company. 415,110; July 10; Serial No. 479,321; published May 1, 1945.
Navigational instruments. Jardur Import Company. 415,028; July 10; Serial No. 475,697; published May 1, 1945.
Radio direction finders. G. R. Fisher. 415,030; July 10; Serial No. 475,904; published May 1, 1945.
Tapes, Measuring. Keuffel & Esser Company. 415,136–8; July 10; Serial Nos. 480,705–7; published May 1, 1945.

CLASS 27

Watches. Union Horlogère S. A. 194,510; renewed Jan. 27, 1945. O. G. July 10.
Watches and watch parts. Engelton Watch Company. 415,040; July 10; Serial No. 476,957; published May 1, 1945.
Watches and watch parts. Norman Watch Co. 415,072; July 10; Serial No. 478,242; published May 1, 1945.

CLASS 28

Jewelry. R. M. Jordan and Company. 415,152; July 10.

CLASS 31

Refrigerators, ice chests, water coolers, etc. Brager of Baltimore. 201,315; renewed July 21, 1945. O. G. July 10.

CLASS 32

Springs, bed springs, inner spring mattresses, etc., Box. Geier Mattress Company. 415,113; July 10; Serial No. 479,430; published May 1, 1945.

CLASS 34

Fans, Electric exhaust. Victor Electric Products, Inc. 415,018; July 10; Serial No. 472,919; published May 1, 1945.
Lighter, Pyrophoric cigarette and pipe. Fisher Flame. 415,024; July 10; Serial No. 475,048; published May 1, 1945.

CLASS 35

Gaskets, washers, rings, etc. Armstrong Cork Company. 415,101; July 10; Serial No. 479,061; published May 1, 1945.
Hose, Ventilating. Warner Brothers Company. 415,134; July 10; Serial No. 480,358; published May 1, 1945.
Leather cord and leather belting, Round. E. F. Houghton & Co. 201,893; renewed Aug. 11, 1945. O. G. July 10.
Leather cord and round leather belting, Round. E. F. Houghton & Co. 201,681; renewed Aug. 4, 1945. O. G. July 10.

CLASS 37

Envelopes. Tension Envelope Corporation. 415,031; July 10; Serial No. 476,036; published May 1, 1945.
Forms inter-leaved with carbon, Printed multiple. A. J. Gavrin. 415,156; July 10.
Paper and envelopes, Letter writing. O. Seltzer. 415,064; July 10; Serial No. 478,089; published May 1, 1945.
Paper articles. United Wallpaper Factories Inc. 415,003; July 10; Serial No. 467,415; published May 1, 1945.
Pencils, Lead. Muffet, Mary, Inc. 415,026; July 10; Serial No. 475,446; published Jan. 23, 1945.
Pencils, Marking. Blaisdell Pencil Company. 415,157; July 10.
Tickets, Marking. A. Kimball Company. 203,644; renewed Sept. 22, 1945. O. G. July 10.

CLASS 38

Bulletins, News and advisory. National Victory Garden Institute, Inc. 415,109; July 10; Serial No. 479,296; published Apr. 17, 1945.
Comic strip. McNaught Syndicate, Inc. 415,124; July 10; Serial No. 479,853; published Apr. 24, 1945.
Magazine, Trade. Public Service Company of Colorado. 415,122; July 10; Serial No. 479,691; published Apr. 24, 1945.
Magazines. E. Levy. 415,035; July 10; Serial No. 476,440; published Apr. 17, 1945.
Newspaper, International daily. Christian Science Publishing Society. 415,007; July 10; Serial No. 469,248; published Apr. 24, 1945.
Newspaper section or department. Hearst Corporation. 415,078; July 10; Serial No. 478,423; published Apr. 17, 1945.
Periodical published in English and foreign languages. Christian Science Publishing Society. 415,009; July 10; Serial No. 469,251; published Apr. 24, 1945.
Postcards and album views, Picture. R. E. Rose. 415,015; July 10; Serial No. 472,016; published Apr. 24, 1945.
Publication, Periodical. A. B. Hirschfeld. 202,793; renewed Sept. 1, 1945. O. G. July 10.
Publication, Periodical. M. L. Mueller. 415,123; July 10; Serial No. 479,751; published Apr. 24, 1945.
Publication, Weekly. Christian Science Publishing Society. 415,008; July 10; Serial No. 469,250; published Apr. 24, 1945.

CLASS 39

Blankets, Infants' safety knit crib. Minneapolis Knitting Works. 415,057; July 10; Serial No. 477,659; published May 1, 1945.
Blouses and dresses for the use of misses. Schrager & Muster, Inc. 415,089; July 10; Serial No.478,766; published May 1, 1945.
Clothing, Men's, boys' and youths'. Chas. Douglis Mack Co. Inc. 202,995; renewed Sept. 8, 1945. O. G. July 10.
Clothing, Work. Oberman & Company. 415,042; July 10; Serial No. 476,981; published May 1, 1945.
Dresses, blouses, skirts, and pinafores, Children's, girls' and misses'. Gleitsman, Chopp & Sadowsky. 415,107; July 10; Serial No. 479,283; published May 1, 1945.
Hosiery, sweaters, men's and boys' dress and work shirts, etc. T. J. Cooper & Sons. 203,028; renewed Sept. 8, 1945. O. G. July 10.
Knit goods. Knoxville Knitting Mills Co. 198,792; renewed May 26, 1945. O. G. July 10.
Overcoats, two-piece suits, and three-piece suits, etc. Chas. Douglis Mack Co. Inc. 202,151; renewed Aug. 18, 1945. O. G. July 10.
Shirts, Outer. Manhattan Company. 415,049; July 10; Serial No. 477,304; published May 1, 1945.
Shoes, except women's shoes. Field & Flint Co. 199,894; renewed June 23, 1945. O. G. July 10.
Shoes, Leather. Craddock-Terry Co. 204,036; renewed Oct. 6, 1945. O. G. July 10.
Soles and leather and combination cloth and leather shoes, Leather. Melville Shoe Corporation. 204,127; renewed Oct. 6, 1945. O. G. July 10.
Soles for shoes, and leather and combination cloth and leather shoes, Composition. Melville Shoe Corporation. 204,128; renewed Oct. 6, 1945. O. G. July 10.
Suits and pants, Men's and young men's. Rose Brothers. 415,118; July 10; Serial No. 479,598; published May 1, 1945.
Suits and pants, Men's and young men's. Rose Brothers. 415,119; July 10; Serial No. 479,600; published May 1, 1945.

CLASS 40

Combs, hairpins, hair buckles, etc. New York, Hamburger Gummi-Waaren Compagnie. 197,224; renewed Apr. 14, 1945. O. G. July 10.
Elastic, Narrow. A. Stein & Company. 202,786; renewed Sept. 1, 1945. O. G. July 10.
Shields, Dress. Rand Rubber Company, Inc. 415,149; July 10.

CLASS 42

Duck, Particularly quality of cotton. L. O. Draper. 198,980; renewed June 2, 1945. O. G. July 10.
Fabrics in the piece. Crompton-Richmond Co., Inc. 414,991; July 10; Serial No. 459,333; published May 1, 1945.
Piece goods of cotton, rayon, nylon or silk, Coated. Athol Manufacturing Company. 414,993; July 10; Serial No. 465,244; published May 1, 1945.
Textile fabrics in the piece. Albert H. Vandam Co., Inc. 415,085; July 10; Serial No. 478,562; published May 1, 1945.

CLASS 43

Thread, Rubber. United States Rubber Company. 202,542; renewed Aug. 25, 1945. O. G. July 10.

CLASS 44

Bandages, Elastic adhesive. D. C. McLintock Company. 415,125; July 10; Serial No. 479,890; published May 1, 1945.
Compress. Priessnitz. P. Schlumbohm. 415,135; July 10; Serial No. 480,426; published May 1, 1945.

CLASS 45

Beverages, Carbonated. M. I. Katz. 199,045; renewed June 2, 1945. O. G. July 10.

Beverages, Non-alcoholic, non-cereal, maltless. Southway Incorporated. 415,065; July 10; Serial No. 478,093; published Apr. 10, 1945.

Beverages, Nonalcoholic, noncereal, maltless. Old Fashioned Ma's Root Beer Bottling Company. 415,105; July 10; Serial No. 479,251; published Apr. 10, 1945.

Caramel color. Union Starch & Refining Company. 415,011; July 10; Serial No. 469,881; published Apr. 24, 1945.

Flavor bases for making non-alcoholic, maltless beverages. Neil's Flavor Laboratory. 415,006; July 10; Serial No. 469,089; published Apr. 24, 1945.

Syrups for flavoring soft drinks. Trufruit Syrup Corporation. 415,004; July 10; Serial No. 467,679; published Apr. 10, 1945.

CLASS 46

Apples, cantaloupes, oranges, etc., Fresh. F. E. Nellis & Company. 199,616; renewed June 16, 1945. O. G. July 10.

Cakes. Ontario Biscuit Company. 204,138; renewed Oct. 6, 1945. O. G. July 10.

Candy. Lafond Chocolatier. 415,116; July 10; Serial No. 479,519; published May 1, 1945.

Canned fruits and canned vegetables. D. Di Fiore Canning Co. 196,041; renewed Mar. 10, 1945. O. G. July 10.

Canned fruits and canned vegetables. Oregon Growers Cooperative Association. 173,615; renewed Oct. 2, 1943. O. G. July 10.

Canned fruits and fruit preserves, canned vegetables, etc. Reid, Murdoch & Co. 204,011; renewed Oct. 6, 1945. O. G. July 10.

Canned fruits, berries, vegetables, fruit salad, etc. Reid, Murdoch & Co. 204,009; renewed Oct. 6, 1945. O. G. July 10.

Canned shrimp, rolled oats, cocoa, etc. Oppenheim & McEwan Co. Inc. 197,633; renewed Apr. 21, 1945. O. G. July 10.

Cereal foods. Pillsbury Flour Mills Company. 193,188; renewed Dec. 23, 1944. O. G. July 10.

Cheese and preserved cheese. Käseexport A. G. Goldbach (Emmenthal). 165,079; renewed Mar. 6, 1943. O. G. July 10.

Coloring and flavoring extracts, Culinary. Palisade Manufacturing Company. 46,068; re-renewed Sept. 5, 1945. O. G. July 10.

Desserts of various flavors, Gelatin. James Chalmers, Jr. 204,156; renewed Oct. 6, 1945. O. G. July 10.

Desserts, Prepared. Vacu-Dry Company. 415,016; July 10; Serial No. 472,597; published May 1, 1945.

Dextrose, Pure crystallized. Corn Products Refining Company. 415,126; July 10; Serial No. 479,968; published May 1, 1945.

Feeds, Animal and poultry. Kellogg Company. 415,047; July 10; Serial No. 477,197; published May 1, 1945.

Fruits in their natural state, fresh grapes, fresh citrous fruits, etc., Deciduous. Arizona Orchard Company. 201,354; renewed July 21, 1945. O. G. July 10.

Hams and bacon. Standard Packing Co. 204,057; renewed Oct. 6, 1945. O. G. July 10.

Jellies, Fruit. Anc-Co Preserving Co. 198,700; renewed May 26, 1945. O. G. July 10.

Milk product, Dried. J. I. Murray. 415,142; July 10.

Mustard, mustard oil for human use, mustard refuse, etc. J. & J. Colman. 26,355; re-renewed Apr. 9, 1945. O. G. July 10.

Olive oil. M. G. Longoria. 193,629; renewed Jan. 6, 1945. O. G. July 10.

Prune juice. Stoddard Brothers, Inc. 415,139; July 10; Serial No. 480,721; published May 1, 1945.

Salad dressing, coffee, catchup, etc. Reid, Murdoch & Co. 203,531; renewed Sept. 22, 1945. O. G. July 10.

Wheat-flour. Waggoner-Gates Milling Company. 45,341; re-renewed Aug. 15, 1945. O. G. July 10.

CLASS 48

Beer. Ambrosia Brewing Company. 415,025; July 10; Serial No. 475,231; published Apr. 24, 1945.

Beer and ale. Boston Beer Company. 415,083; July 10; Serial No. 478,535; published Mar. 27, 1945.

Malt. First Caramel Malting Corporation. 415,069; July 10; Serial No. 478,210; published Apr. 17, 1945.

Malt, Light. First Caramel Malting Corporation. 415,068; July 10; Serial No. 478,209; published Apr. 17, 1945.

CLASS 49

Gin. W. J. Mulligan. 414,999–415,000; July 10; Serial Nos. 467,002–3; published Apr. 3, 1945.

Gin, old Tom gin, and whisky, Dry. Pini Hnos, Cia. S. A. Comercial E Industrial. 414,992; July 10; Serial No. 463,133; published Apr. 24, 1945.

Liqueur. P. R. Myers. 414,997; July 10; Serial No. 466,226; published Apr. 24, 1945.

Whiskey. Pebbleford Distillery Co. 415,106; July 10; Serial No. 479,252; published Apr. 24, 1945.

Whiskey. H. E. Pogue Distillery Company, Inc. 415,120; July 10; Serial No. 479,643; published Apr. 10, 1945.

Whiskey, gin, brandy, cognac, etc. Records & Goldsborough, Incorporated. 415,032; July 10; Serial No. 476,172; published Apr. 10, 1945.

Whiskey, Scotch. R. C. Williams & Company, Inc. 415,027; July 10; Serial No. 475,596; published Apr. 17, 1945.

LIST OF DESIGN PATENTEES

Adams, William L.: *See*—
Dawson, B. H., and Adams.

Adrian, William M., Evanston, assignor to Patent License Corporation, Chicago, Ill. Lens panel for lighting fixture. 141,822; July 10.

Appel, Robert, New York, N. Y. Plaque unit for articulated fabric or similar article. 141,823; July 10.

Asteroff, Leah, New York, N. Y. Dress. 141,853; July 10.

Asteroff, Leah, New York, N. Y. Jacket. 141,854; July 10.

Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Goggle frame. 141,844; July 10.

Bunnell, James, Denver, Colo. Toy. 141,855; July 10.

Bunnell, James, Denver, Colo. Child's toy. 141,856; July 10.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,866; July 10

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,867; July 10.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,868; July 10.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,869; July 10.

Chicago Electric Manufacturing Company: *See*—
Maxson, William E., Jr., assignor.

Columbia Protektosite Co., Inc.: *See*—
Brunetti, Joseph, assignor.

Covey, Lois L., Torrington, Conn. Toy train. 141,808; July 10.

Dalkin, A., Co.: *See*—
Yuza, R., and Srodulski, assignors.

Daum, Charles, New York, N. Y. Wall shelf. 141,824; July 10.

Dawson, Byron H., Los Angeles, and W. L. Adams, Bell, Calif. Card table top. 141,825; July 10.

Delano, George W., Detroit, Mich. Toy rattler. 141,809; July 10.

Delano, George W., Detroit, Mich. Toy rattler. 141,810; July 10.

Delano, George W., Detroit, Mich. Toy rattler. 141,811; July 10.

Delano, George W., Detroit, Mich. Toy rattler. 141,812; July 10.

Deming, Roy E., assignor to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Hot-air furnace. 141,826; July 10.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 141,861; July 10.

Di Stadio, Dominic, assignor of one-half to J. D. El Koury, New York, N. Y. Rheostat. 141,827; July 10.

Ditchik, Louis, New York, N. Y. Savings bank. 141,813; July 10.

Duskin, Morris L., Chicago, Ill. Luggage cover or similar article. 141,828; July 10.

Eisen, Meyer, North Bergen, N. J. Table or similar article. 141,857; July 10.

El Koury, John D.: *See*—
Di Stadio, Dominic, assignor.

Ellmore Silver Co., Inc., The: *See*—
Lipman, Isadore A., assignor.

Enger-Kress Company: *See*—
Pence, W. A., and Spielmann, assignors.

Evans, George, Chicago, Ill. Picture frame or the like. 141,862; July 10.

Ganz, Rudolph, assignor to Shawnee Pottery Company, Zanesville, Ohio. Teapot. 141,814; July 10.

Goodrich, B. F., Company, The: *See*—
Walker, George W., assignor.

Gostkowski, Bedri H., assignor to Universal Lighters Selling Company Ltd., Geneva, Switzerland. Cigar and cigarette lighter. 141,829; July 10.

Graber, Philip, New York, N. Y. Coat. 141,830; July 10.

Graham, Roy F., assignor to Stok-A-Fire Company, Inc., University City, Mo. Stoker. 141,831; July 10.

Hirsch, Stephen G., assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Fishing reel frame. 141,815; July 10.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,845; July 10.

Holley, Robert, Penfield Downs, Pa., assignor to Radio Corporation of America. Electron microscope. 141,832; July 10.

Israel, George L., Chicago, Ill. Camera. 141,846; July 10.

Johnson, Myron A. C., Coral Gables, Fla. Bottle opener. 141,816; July 10.

Johnson, Myron A. C., Coral Gables, Fla. Combination bottle cap remover and cork screw. 141,817; July 10.

Kalamazoo Stove and Furnace Company: *See*—
Daming, Roy E., assignor.

Kendall, William A., Winston-Salem, N. C. Pressure cooker or the like. 141,818; July 10.

Kendall, William A., Winston-Salem, N. C. Pressure cooker or the like. 141,819; July 10.

Kendall, William A., Winston-Salem, N. C. Pressure cooker or the like. 141,820; July 10.

Knoll, H. G., Associates: *See*—
Risom, Jens, assignor.

Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Lapel pin. 141,847; July 10.

Lucien Le Long, Inc.: *See*—
Norman, Emile, assignor.

Magnavox Company, The: *See*—
Stone, Leland G., assignor.

Marsh Stencil Machine Company: *See*—
Marsh, Walton C., assignor.

Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Fountain brush or the like. 141,833; July 10.

Maxson, William E., Jr., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric heater. 141,834; July 10.

Mulbach, Herman C., Los Angeles, and M. L. Wesley, Pasadena, Calif. Toolholder. 141,835; July 10.

Murray Corporation of America, The: *See*—
Trombley, Bertrand N., assignor.

Norman, Emile, El Monte, Calif., assignor to Lucien Le Long, Inc., Chicago, Ill. Ornamental box or similar article. 141,848; July 10.

Ocean City Manufacturing Company: *See*—
Hirsch, Stephen G., assignor.

Patent License Corporation: *See*—
Adrian, William M., assignor.

Pence, William A., Adell, and L. S. Spielmann, assignors to Enger-Kress Company, West Bend, Wis. Billfold. 141,836; July 10.

Phillips, Celia, New York, N. Y. Combined evening dress and pantaloons. 141,837; July 10.

Phillips, Celia, New York, N. Y. Combined evening dress and underskirt. 141,838; July 10.

Presley, Robert G., Canton, N. C. Sewing rack. 141,863; July 10.

Radio Corporation of America: *See*—
Holley, Robert, assignor.

Rehberger, A. W., Brooklyn, N. Y. Dart game chart. 141,864; July 10.

Risom, Jens, assignor to H. G. Knoll, Associates, New York, N. Y. Chair. 141,839; July 10.

Salesky, Isidore, Brooklyn, N. Y. Garment hanger. 141,849; July 10.

Sanders, James J., Nashville, Tenn. Rolling pen-cil. 141,850; July 10.

Schweitzer, Louis, Detroit, Mich. Clothes stand. 141,851; July 10.

Shawnee Pottery Company: *See*—
Ganz, Rudolph, assignor.

Smith, S. G., Brooklyn, N. Y. Caliper or similar article. 141,865; July 10.

Spielmann, Leslie S.: *See*—
Pence, W. A., and Spielmann.

Srodulski, Joseph W.: *See*—
Yuza, R., and Srodulski.

Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Gas control knob for stoves or the like. 141,840; July 10.

Stock-A-Fire Company, Inc.: *See*—
Graham, Roy F., assignor.

Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Handle for suitcases or similar articles. 141,852; July 10.

Trimz Company, Inc.: *See*—
Burton, William, assignor.

Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Combined faucet spray and escutcheon plate. 141,842; July 10.

Trombley, Bertrand N., Oak Park assignor to The Murray Corporation of America, Detroit, Mich. Cooking stove. 141,841; July 10.
Ullman, Martin, assignor to M. J. Waldinger, New York, N. Y. Mechanical pencil. 141,858; July 10.
Ullman, Martin, assignor to M. J. Waldinger, New York, N. Y. Fountain pen. 141,859; July 10.
Universal Lighters Selling Company Ltd.: *See*—
Gostkowski, Bedri H., assignor.
Victor Metal Products Corporation: *See*—
Derham, Philip A., assignor.
Waldinger, M. J.: *See*—
Ullman, Martin, assignor.

Walker, George W., Detroit, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 141,821; July 10.
Wesley, Michael L.: *See*—
Muhlbach, H. C., and Wesley.
Winters & Crampton Corporation: *See*—
Stewart, Donald E., assignor.
Witt, Dorothy A., Wilmette, Ill. Compact. 141,860; July 10.
Yuza, Rudolph, and J. W. Srodulski, assignors to A. Dalkin Co., Chicago, Ill. Beverage dispensing unit. 141,843; July 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Armand J., and L. B. Cook, Dallas, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Impregnation of lime with carbon. 2,380,008; July 10.
Abramson, Harry, Ventnor, N. J. Solderer or lead tool. 2,380,138; July 10.
Abrasive Company: *See*—
Scheer, Hubert J., assignor.
Acken, Marshall F., and R. M. Cavanaugh, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of trinitrotoluene. 2,380,248; July 10.
Adel Precision Products Corp.: *See*—
Eggert, Ronald E., assignor.
Ellinwood, Herman R., assignor.
Aero Supply Mfg. Co, Inc.: *See*—
Cameron, Fred H., assignor.
Agriculture of the United States of America, and his successors in office, Claude R. Wickard, as Secretary of: *See*—
Flynn, T. P., and Kramer, assignors.
Ainsworth, J. Anna, et al.: *See* —
Emerson, Arthur J., assignor.
Aircraft Screw Products Company, Inc.: *See*—
Patterson, Chester L., assignor.
Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Telephoto objective. 2,380,207; July 10.
Aktiebolaget Atlas Diesel: *See*—
Canner, Hilding G., assignor.
Aktiengesellschaft Fuer Technische Studien: *See*—
Gygi, Hans, assignor.
Alien Property Custodian: *See* —
Gamet, Pierre P.
Allderdice, Charles E., Jr., assignor to The Bell Co., Inc., Chicago, Ill. Fluids for fluid pressure systems. 2,379,855; uly 10.
Aluminum Company of America: *See*—
Sharp, John E., assignor.
Stroup, Philip T., assignor.
Stroup, P. T., and Sager, assignors.
Ambler, Charles M., Jenkintown, assignor to The Sharples Corporation, Philadelphia, Pa. Purification of extracting solvents. 2,380,139; July 10.
American Bank Note Company: *See*—
Marquardt, Frank C., assignor.
American Can Company: *See*—
Geertsen, Nelson, assignor.
Peters, John F., assignor.
American Cyanamid Company: *See*—
Winnek, P. S., and Faith, assignors.
American Hoist & Derrick Company: *See*—
Banzhaf, H. F., and Finlay, assignors.
American Seal-Kap Corporation of Delaware: *See*—
Goodwin, C. W., and Martin, assignors.
American Steel Foundries: *See*—
Tack, C. E., and Vree, assignors.
American Transformer Company: *See*
Gaston, John R., assignor.
American Viscose Corporation: *See*—
Burke, James J., assignor.
Ames Baldwin Wyoming Co.: *See*—
Harte, Richard, assignor.
Amesbury Seat Manufacturing Company: *See*—
Hare, Terrence G., assignor.
Ames, Harold T.: *See*—
Michaud, Elzear, assignor.
Anderson, Elmer A., Moorhead, Minn. Safety gun trigger. 2,380,140; July 10.
Anderson, John, and W. H. Peterson, Berkeley, and S. H. McAllister, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Polymerization of olefins. 2,380,358; July 10.
Armour Research Foundation: *See*—
Schwarz, Ernst L., assignor.
Armstrong, Charles E., assignor to Armstrong Heat Control Co., Portland, Oreg. Electrical mechanism and wiring circuits therefor. 2,379,856; July 10.
Armstrong Heat Control Co.: *See*—
Armstrong, Charles E., assignor.
Arnold, Harold W., Marshallton, and G. L. Dorough, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymers of asymmetrical dichloroethylene. 2,380,009; July 10.
Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,380,010; July 10.

Ashton, Harold, assignor to National Broach & Machine Company, Detroit, Mich. Finishing gears. 2,380,208; July 10.
Askania Regulator Company: *See*—
Zieholz, Herbert, assignor.
Atlas Powder Company: *See* —
Griffin, William C., assignor.
Soltzberg, Solomon, assignor.
Auer, László, South Orange, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Rosin modification. 2,380,141; July 10.
Augustine, Winfield J.: *See*—
Tudon, W., and Augustine.
Austin, Edwin C., trustee, et al.: *See*—
Geiger, William A., assignor.
Austin, Ellsworth W., assignor to La Plant-Choate Mfg. Co., Inc., Cedar Rapids, Iowa. Excavator. 2,380,285; July 10.
Automatic Electric Laboratories, Inc.: *See*—
Gillings, C. and Cowley, assignors.
Avedikian, Souren Z.: *See*—
Pizzirani, D. A., Gould, and Avedikian.
Babcock & Wilcox Company, The: *See*—
Hardgrove, Ralph M., assignor.
Hubbard, Norman, assignor.
Bachman, Charles H., Scotia, and J. T. Tschopp, Schenectady, N. Y., assignors to General Electric Company. Positioning means. 2,380,209; July 10.
Back, M. F., trustee, et al.: *See*—
Geiger, William A., assignor.
Baker, Clarence L., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional compass for aircraft trainers. 2,379,869; July 10.
Baker Oil Tools, Inc.: *See*—
Burt, Clarence E., assignor.
Baker Perkins Limited: *See*—
Harber, Laurence S., assignor.
Baker, Ralph H., Independence, Mo. Safety device for firearms. 2,379,946; July 10.
Baker, Zelma, and B. F. Miller, Chicago, Ill. Germicidal preparations. 2,380,011; July 10.
Bakke, Olaf, De Sart, N. Dak. Wind wheel generator. 2,379,857; July 10.
Ball, Charles F., assignor to Joy Manufacturing Company, Franklin, Pa. Drive for vehicles. 2,380,012; July 10.
Ballard, Seaver A., Berkeley, and V. E. Haury, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Hydrogenated ketone resins. 2,380,142; July 10.
Ballou, B. A., & Co.: *See*—
Ballou, Frederick A., Jr., assignor.
Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Securing device. 2,380,359; July 10.
Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device. 2,379,947; July 10.
Bankauf, William F., East Paterson, assignor to Robins Conveyors Incorporated, Passaic, N. J. Vibration damper. 2,380,013; July 10.
Banzhaf, Henry F., Milwaukee, Wis., and A. Finlay, Marquette, Mich., assignors, by mesne assignments, to American Hoist & Derrick Company, St. Paul, Minn. Winch. 2,379,858; July 10.
Bard, Rochester: *See*—
Boor, Francis H., assignor.
Barker, Edgar, Toronto, Ontario, Canada. Machine for machining arcuate surfaces. 2,379,870; July 10.
Bernard, Charles W., Detroit, Mich. Stamp hinge folding, cutting, and packaging assembly. 2,379,859; July 10.
Bassford, H. E.: *See*—
Sayler, William H., assignor.
Bassick Company, The: *See*—
Claud-Mantle, Arthur, assignor.
Bastian-Blessing Company, The: *See*—
Johnson, William B., assignor.
Bath, Wilmer H., West Conshohocken, assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,380,014; July 10.
Batterson, Ernest W., and E. A. Midling, assignors to Shakespeare Products Company, Kalamazoo, Mich. Heavy-duty control cable. 2,380,015; July 10.
Bauer, William J., New York, assignor of fifty one hundredths to J. L. Dudley and fifty one hundredths to J. J. Moroney, Pleasantville, N. Y. Machine for automatically grinding thread gauges and the like. 2,380,286; July 10.

Baumbach, Emil A., River Forest, Ill. Dowel pin. 2,380,287; July 10.

Beam, Vilynn O., and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control device. 2,379,871; July 10.

Bean, Donald O., assignor to Ring Balance Instrument Company, Chicago, Ill. Compensated measuring element. 2,379,874; July 10.

Beau-T-Form Foundations, Inc.: *See*—
Sutter, Edward R., assignor.

Bell Co., Inc., The: *See*—
Allderdice, Charles E., Jr., assignor.

Bell Telephone Laboratories, Incorporated: *See*—
Baker, Clarence L., assignor.
Burgess, Harry A., assignor.
D'heedene, Albert R., assignor.
Eckardt, Helmuth, assignor.
Kinkead, Fullerton S., assignor.
Porter, Leslie F., assignor.
Webber, Carroll A., assignor.

Bellefont Associates: *See*—
Weisberg, Mark, assignor.

Bendix Aviation Corporation: *See*—
Nardone, Romeo M., assignor.
Tognola, Tullio, assignor.

Benjamin, Claude A.: *See*—
Smith, Jacob A., assignor.

Bennett, Harold F., assignor to Eastman Kodak Company, Rochester, N. Y. Telecentric lens system. 2,380,210; July 10.

Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Stop watch testing apparatus. 2,380,360; July 10.

Bettendorf Company, The: *See*—
Kottman, Arthur A., assignor.

Better, Sidney F., New York, N. Y. Clothes hanger. 2,380,143; July 10.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lamp mounting. 2,380,211; July 10.

Black, Theodore R., Tipp City, Ohio. Collapsible vehicle. 2,380,016; July 10.

Blaisdell, Charles O., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for article working. 2,380,212; July 10.

Blake, Robert P.: *See*—
Land, E. H., and Blake.

Blicker, Meyer, assignor of one-half to H. Schien, Minneapolis, Minn. Portable outboard motor stand. 2,380,017; July 10.

Bligh, Norman R., Harrow, D. M. Heller, Wembley, and L. C. Stenning, Ealing, London, England. Multichannel radio signaling system. 2,380,288; July 10.

Blomberg, Martin P., Hinsdale, and J. M. Smidl, Cicero, Ill., assignors to General Motors Corporation, Detroit, Mich. Coupler supporting and centering device. 2,380,018; July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Azeotropic distillation. 2,380,019; July 10.

Boehm, Robert M.: *See*—
Dorland, R. M., and Boehm.

Bogatich, Vincent, Detroit, Mich. Suspend the structure of a vehicle on its wheels. 2,379,860; July 10.

Bohannon, Hoyt H., Albertville, Ala. Pump. 2,380,144; July 10.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,380,145; July 10.

Boor, Francis H., Lafayette, Ind., assignor to Rochester Bard. Fishing reel construction. 2,380,213; July 10.

Bourg, Anthony B.: *See*—
Heckethorn, J. E., Bourg and Leonard.

Bowser, S. F., & Company, Incorporated: *See*—
Chapman, C. H., and Griffith, assignors.

Boyar-Schultz Corporation: *See*—
Gideon, Victor W., assignor.

Boyea, Ovila W., Malone, N. Y. Airplane. 2,379,875; July 10.

Bradley, James A., assignor to The United Sales Corporation, Pittsburgh, Pa. Excavating equipment. 2,379,876; July 10.

Braun, Walter, Los Angeles, Calif. Shoe construction. 2,380,146; July 10.

Brenner, Samuel L.: *See*—
De Verter, Walton, assignor.

Briggs Manufacturing Company: *See*—
Wyatt, Raymond A., assignor.

Bristol Company, The: *See*—
Hicks, James R., assignor.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,379,877; July 10.

Broetzmann, Clarence F.: *See*—
Stearns, R. H., and Broetzmann.

Bronander, Wilhelm B., Montclair, N. J. Stud driving and testing mechanism. 2,379,878; July 10.

Bronander, Wilhelm B., Montclair, N. J. Forming and applying cooling fins to tubular members. 2,379,879; July 10.

Brother, George H., Berkeley, Calif., and Allan K. Smith, Peoria, Ill. Aqueous dispersions of hardened or tanned protein salts. 2,380,020; July 10.

Brown, Anthony J., and J. B. Silva, Turlock, Calif. Scraper. 2,380,021; July 10.

Browne, Donald B., Harpenden, and R. H. G. Painter, Dunstable, England, assignors to General Motors Corporation, Detroit, Mich. Cover for the dials of instruments and the like. 2,379,861; July 10.

Budd, Edward G., Manufacturing Company: *See*—
Deisley, E. J., Ulrich, and Lindsay, assignors.
Eksergian, Rupen, assignor.
Watter, Michael, assignor.
Weightman, William A., assignor.

Buffalo Jewelry Case Company, Inc.: *See*—
Koller, Peter B., Jr., assignor.

Bullock, Glenn H.: *See*—
Turner, J. R., McLeod, and Bullock.

Bundy Tubing Company: *See*—
Hobrock, Raymond H., assignor.

Burgess, Harry A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-speed telegraph system. 2,379,880; July 10.

Burgoine, Edward, B. Collie, and R. G. A. New, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Organic isocyanates. 2,379,948; July 10.

Burke, James J., assignor to American Viscose Corporation, Wilmington, Del. Spinning machine control. 2,380,147; July 10.

Burnelli, Vincent J., Matawan, assignor to V. J. Burnelli Airplanes Inc., Red Bank, N. J. Military aircraft. 2,380,289; July 10.

Burnelli, Vincent J., Matawan, assignor to V. J. Burnelli Airplanes Inc., Red Bank, N. J. Cargo carrying airplane. 2,380,290; July 10.

Burnelli, V. J., Airplanes Inc.: *See*—
Burnelli, Vincent J., assignor.

Burrell, Harry, Paramus, N. J., assignor to Ellis-Foster Company. Activated filler and making same. 2,380,214; July 10.

Burroughs Adding Machine Company: *See*—
Pasinski, Walter J., assignor.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Vernon, Calif. Flow control apparatus. 2,380,022; July 10.

Bush, Vannevar, East Jaffrey, N. H., assignor to Research Corporation, New York, N. Y. Justifying typewriter. 2,379,862; July 10.

Caldara, Nicholas, Bronx, N. Y. Watch. 2,380,215; July 10.

Caldwell, Charles W., Johannesburg, Transvaal, Union of South Africa. Holder for razor blades. 2,379,863; July 10.

Cameron, Fred H., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Drilling jig. 2,380,291; July 10.

Camner, Hilding G., Ektorp, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Fuel injecting means for internal-combustion engines. 2,380,148; July 10.

Campau, Lawrence M., Detroit, Mich. Watch and clock regulator. 2,380,292; July 10.

Cannon, Hugh H., Los Angeles, Calif. Crankcase oil purifier. 2,379,864; July 10.

Carbide and Carbon Chemicals Corporation: *See*—
Maddock, Bruce H., assignor.

Carpenter Steel Company, The: *See*—
Post, C. B., and Fetzer, assignors.

Carroll, Louis W., assignor to International Standard Electric Corporation, New York, N. Y. Magnetically biased telephone ringer. 2,380,293; July 10.

Carter, Rolla N., assignor to Eastman Kodak Company, Rochester, N. Y. Lens system. 2,380,216; July 10.

Carver, Fred S., Short Hills, N. J. Hydraulic device. 2,379,949; July 10.

Case, J. I., Company: *See*—
Rutter, Alvah E., assignor.

Cass, N. D., Co., The: *See*—
Haselton, Kenneth E., assignor.

Cato, Artie Q., Houston, G. Wash, Goose Creek, and A. J. Shmidl, Houston, Tex., assignors to Standard Oil Development Company. Treating and blending heating oils. 2,380,294; July 10.

Caulkins, Cecil P., New London, Conn. Depth charge projector. 2,380,023; July 10.

Cavanaugh, Robert M.: *See*—
Acken, M. F., and Cavanaugh.

Celanese Corporation of America: *See*—
Dreyfus, Henry, assignor.
Whitehead, William, assignor.

Century Motors Corporation: *See*—
Dusevoir, Julius, assignor.

Chamberlain, Frederic W., assignor to The Warren Featherbone Co., Three Oaks, Mich. Stiffening material. 2,379,881; July 10.

Chandler, Edward F., Brooklyn, N. Y. Rocket gun. 2,380,024; July 10.

Chaney, Newcomb K., Swarthmore, Pa., assignor to The United Gas Improvement Company. Liquid coating compositions, coated objects, and making same. 2,380,149; July 10.

Chapman, Charles H., La Grange, Ill., and C. P. Griffith, assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Conduit closure. 2,380,217; July 10.

Charney, Jesse: *See*—
Laufer, L., and Charney, assignors.

Chase, Corson W., Chicago, Ill., assignor to Chicago Pump Company. Sewage treatment system. 2,380,025; July 10.

Chesser, Cecil E.: *See*—
Walton, A. K., and Chesser.

Chicago Eye Shield Company: *See*—
Whipple, Willis A., assignor.

Chicago Pump Company: *See*—
Chase, Corson W., assignor.

Clare, Irwin C., Elmhurst, assignor to Hercules Powder Company, Wilmington, Del. Ink compositions. 2,379,950; July 10.

Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread case retaining device for sewing machines. 2,379,882; July 10.

Clark, Lawrence D.: *See*—
L. A. Jones, Nelson, and Clark.

Clark Thread Company, The: *See*—
Garrott, John H., assignor.

Clarke, Carole A., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cooling device for metal rectifiers. 2,380,026; July 10.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Pedal rod mounting or the like. 2,380,218; July 10.

Clement, Carl H., Jr., U. S. Army, Fort Belvoir, Va. Boat construction. 2,379,883; July 10.

Clinton, Charles H., assignor to Spray Wax Sales Co., Milwaukee, Wis. Spray coating composition. 2,380,219; July 10.

Coe, Eric R. C.: *See*—
Connery, A. F., and Coe.

Collie, Benjamin: *See*—
Burgoine, E., Collie, and New.

Collito, Victor S., Newark, N. J. Spherical self-alignment bearing device. 2,380,150; July 10.

Commercial Controls Corporation: *See*—
Ryan, C. D., and Drake, assignors.

Connery, Alder F., Great Neck, N. Y., and E. R. C. Coe, Chatham, N. J., assignors to Postal Telegraph-Cable Company (New York), New York, N. Y. Telegraph code converter. 2,379,865; July 10.

Connery, Alder F., Great Neck, assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Duplex balance indicator. 2,379,866; July 10.

Conrad, Albert G., Mount Carmel, assignor to Superior Electric Company, Bristol, Conn. Adjustable-speed polyphase alternating-current motor apparatus. 2,379,867; July 10.

Consolidated Razor Blade Co., Inc.: *See*—
Worley, Ernest W., assignor.

Consolidated Vultee Aircraft Corporation: *See*—
Giffen, Harvey D., assignor.

Continental-Diamond Fibre Company: *See*—
Haroldson, Arthur, assignor.

Cook, Louis B.: *See*—
Abrams, A. J., and Cook.

Corning Glass Works: *See*—
McGregor, R. R., and Warrick, assignors.

Cortese, Francesco P., Detroit, Mich. Boat. 2,380,220; July 10.

Cossor, A. C., Limited: *See*—
Fleming-Williams, Brian C., assignor.

Cowley, Percy E. A.: *See*—
Gillings, C., and Cowley.

Crocker, John C., Oakmont, Pa. Device for holding tension test bars. 2,380,027; July 10.

Cross, Thomas, Jr.: *See*—
Fulton, S. C., and Cross.

Crosse, Margaret, and A. Roberts, New York, N. Y. Electro-therapeutic device. 2,379,884; July 10.

Crumb, Charles F., Clarendon Hills, and E. R. Gerber, Chicago, Ill., assignors to International Harvester Company. Corn sheller. 2,380,295; July 10.

Cube Steak Machine Co.: *See*—
Spang, Joseph P., assignor.

Cundall, Lincoln A., assignor to Eastman Kodak Company, Rochester, N. Y. Metal belt guiding mechanism. 2,380,221; July 10.

Curtis Pump Company: *See*—
Curtis, Russell R., assignor.
Curtis, R. R., and Gates, assignors.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Pump seal construction. 2,379,868; July 10.

Curtis, Russell R., and R. L. Gates, assignors to Curtis Pump Company, Dayton, Ohio. Pump seal and drive construction. 2,380,222; July 10.

Curtiss-Wright Corporation: *See*—
Tydon, W., and Augustine, assignors.

Damicone, Clement A.: *See*—
Vance, R. M., and Damicone.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,380,028; July 10.

David, Andrew M., Washington, D. C. Outlet receptacle and wall plug. 2,380,151; July 10.

David, Erich, U. S. Army. Pneumatic power device. 2,380,152; July 10.

Davidson, John, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,380,029; July 10.

Davis, Herbert L., Walpole, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Coating machine. 2,379,951; July 10.

Davis, Richard E., assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic draw press. 2,380,153; July 10.

Davis, Russell E., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerated display case. 2,379,885; July 10.

Day-Brite Lighting, Inc.: *See*—
Biller, David J., assignor.

Deal, Erastus C., Wilkes-Barre, Pa., assignor to Deal Slide-Lock Devices, Inc., Bronx, N. Y. Slide-lock device. 2,380,030; July 10.

Deal Slide-Lock Devices, Inc.: *See*—
Deal, Erastus C., assignor.

Deisley, Edward J., T. Ulrich, and A. R. Lindsay, Detroit, Mich., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle structure, especially vehicle front end structure. 2,380,031; July 10.

De Lubicz-Bakanowski, Zygmunt, and F. J. Minns, assignors to The Swift Rifle Company Limited, Oxford, England. Device for use in zeroing dummy rifles and other dummy fir arms used for training marksmen. 2,380,296; July 10.

Dennis, Frank F.: *See*—
Pilcher, J. M., and Dennis.

De Schoulepnikow, Jean: *See*—
Durrenmatt, H. K., and de Schoulepnikow.

Desmond, Virginia D., Wrentham, Mass., assignor to Pilgrim Plastics, Inc. Rattle. 2,380,368; July 10.

Detroit Macoid Corporation: *See*—
Sherman, Orville B., assignor.

Deverall, Charles N.: *See*—
Schoepflin, P. H., Deverall, and Stutz.

De Verter, Walton, Oak Park, assignor of one-third to S. L. Brenner, Chicago, Ill. Tube testing device. 2,380,095; July 10.

DeWitt, William J., Auburn, N. Y., E. L. Ott, Shelton, and W. B. Runk, Waterbury, Conn., assignors to Shoe Form Co. Inc., Auburn, N. Y. Fishhook making machine. 2,379,886; July 10.

D'heedene, Albert R., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial impedance element. 2,379,952; July 10.

Dibert, James O., Altoona, Pa. Eyeglass holder. 2,380,297; July 10.

Dickerson, Winifred S., Bluefield, W. Va. Hair curler. 2,380,154; July 10.

Ditto, Incorporated: *See*—
Wilderson, Eli, assignor.

Divine, Theodore C., Bellevue, Idaho. Outlet box hanger. 2,380,155; July 10.

Doan, Donald J., and L. Vaughn, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Manufacture of lead oxide. 2,380,096; July 10.

Doble, Abner, assignor to Stanley Steam Motors Corporation, Chicago, Ill. Steam power plant. 2,379,887; July 10.

Dobson, William M., and A. L. Frye, Long Beach, and T. A. Griggs, San Pedro, assignors to Richfield Oil Corporation, Los Angeles, Calif. Well drilling. 2,380,156; July 10.

Dodds, William E., Corsicana, Tex. Toy rocket chute. 2,380,223; July 10.

Doerner, Henry A., Pullman, Wash. Automatic reamer. 2,380,098; July 10.

Doerner, Henry A., Pullman, Wash. Sludge separator. 2,380,097; July 10.

Doerner, Henry A., Pullman, Wash. Magnesium distillation furnace. 2,379,888; July 10.

Dominion Hoist & Shovel Company Limited: *See*—
Nix, Edmund A., assignor.

Dorland, Rodger M., and R. M. Boehm, assignors to Masonite Corporation, Laurel, Miss. Etherification of lignins and lignin-like material. 2,379,889; July 10.

Dorland, Rodger M., and R. M. Boehm, assignors to Masonite Corporation, Laurel, Miss. Esterification of lignins and lignin-like material. 2,379,890; July 10.

Dorough, George L., Niagara Falls, N. Y., and D. M. McQueen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Processes of color photography. 2,380,032; July 10.

Dorough, George L., Niagara Falls, N. Y., and D. M. McQueen, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements containing polyvinyl acetal color formers. 2,380,033; July 10.

Dorough, George L.: *See*—
Arnold, H. W., and Dorough.

Douslin, Donald R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquefied gas expander. 2,379,953; July 10.

Doyle, Irving W., Massapequa, N. Y., assignor to Fairchild Camera and Instrument Corporation. Camera magazine. 2,380,034; July 10.

Drake, Edward P.: *See*—
Ryan, C. D., and Drake.

Draper Corporation: *See*—
Hamilton, Wallace, assignor.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Production of cellulose derivatives. 2,380,157; July 10.

Drummond, Robert S., Detroit, Mich. Herringbone gear finishing. 2,380,224; July 10.

Dudley, John L., et al.: *See*—
Bauer, William J., assignor.

Du Pont, E. I., de Nemours & Company: *See*—
Acken, M. F., and Cavanaugh, assignors.
Arnold, H. W., and Dorough, assignors.
Dorough, G. L., and McQueen, assignors.
Hoffman, Raymond A., assignor.
Hunt, Madison, assignor.
Johnson, Charles R., assignor.
Knake, Max C., assignor.
Mark, H. F., and Sigglа, assignors.
Olsen, Christian E., assignor.
Young, James H., assignor.
Youker, Mortimer A., assignor.

Durrenmatt, Hans K., Marysville, Ohio, and Jean de Schoulepnikow, Glenbrook, Conn., assignors to Inredeco, Inc., Panama City, Panama. Preparing a cocoa extract., 2,380,158; July 10.

Dusevoir, Julius, assignor to Century Motors Corporation, Dearborn, Mich. Crankshaft. 2,380,099; July 10.

Dwight & Lloyd Sintering Company, Inc.: *See*—
Lloyd, Thorne E., assignor.

Dyrr, Jacob V., Bell, Calif., assignor to International Harvester Company. Harrow. 2,380,298; July 10.

Eagle-Picher Lead Company, The: *See*—
Doan, D. J., and Vaughn, assignors.

Eastman Kodak Company: *See*—
Aklin, George H., assignor.
Bennett, Harold F., assignor.
Carter, Rolla N., assignor.
Cundall, Lincoln A., assignor.
Jelley, E. E., and Staehle, assignors.
Jones, L. A., Nelson, and Clark, assignors.
Ruth, Roger A., assignor.
Turner, J. R., McLeod, and Bullock, assignors.
Weyerts, Walter J., assignor.

Eckardt, Helmuth, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating device. 2,379,891; July 10.

Edelman, Walter E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor operator. 2,379,954; July 10.

Edson, Kenneth C., and F. E. Fisher, Pawhuska, assignors to Skelly Oil Company, Tulsa, Okla. Production of aromatic hydrocarbons. 2,380,035; July 10.

Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Lock nut. 2,379,892; July 10.

Eilenberger, Stanley D., Kenosha, Wis., assignor to Wolgen Company, Chicago, Ill. Amusement device for registering emotions. 2,379,955; July 10.

Eksergian, Rupen, Media, assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa. Endurance testing method and machine especially for vehicle body bolsters. 2,380,159; July 10.

Ellinwood, Herman R., assignor to Adel Precision Products Corp., Burbank, Calif. Conduit clip and securing means. 2,379,893; July 10.

Ellis-Foster Company: See—
Burrell, Harry, assignor.

Emerson, Arthur J., deceased, Utica, by J. F. Emerson, executrix, Marshall Township, Oneida County, assignor of one-half to J. A. Ainsworth, Utica, and one-half to W. C. Young, New Hartford, and T. Steinhorst, Utica, N. Y., as trustees. Dyeing machine. 2,380,100; July 10.

Emerson, Jane F., executrix: *See*—
Emerson, Arthur J.

Englehart, Orton H., Glendora, Calif. Constant pressure sprinkler. 2,380,101; July 10.

Ersepke, Edmund T., San Francisco, Calif. Dough forming device. 2,379,956; July 10.

Esval, Orland E., Merrick, and W. Wrigley, Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Drift indicator. 2,379,894; July 10.

Evans, Hector C., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Stabilized rubber compositons. 2,380,299; July 10.

Evans, Theodore W.: *See*—
Marple, K. E., Shokal, and Evans.

Fairchild Camera and Instrument Corporation: *See*—
Doyle, Irving W., assignor.

Faith, Herman E.: *See*—
Winnek, P. S., and Faith.

Farmer, Melvin M., Blue Island, Ill. Seat for invalid transfer devices. 2,380,102; July 10.

Farnsworth Television and Radio Corporation: *See*—
Nelson, Arthur L., assignor.

Farrel-Birmingham Company, Incorporated: *See*—
Kuhns, Austin, assignor.
Winslow, Albert E., assignor.

Fauver, Stanley T.: *See*—
Helseth, S. T., and Fauver.

Faximile, Inc.: *See*—
Hogan, John V. L., assignor.

Federal Telephone & Radio Corporation: *See*—
Clarke, Carole A., assignor.
Jammer, Jacob S., assignor.
Miller, A. J., and Sauerborn, assignors.
Shoemaker, George H., assignor.

Feight, Oscar J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Grinder. 2,379,957; July 10.

Feldstein, Henry H., Cleveland, Ohio. Crystallizing apparatus. 2,379,895; July 10.

Felker, Lester L.: *See*—
Martz, Loyd C., assignor.

Fetzer, Maurice C.: *See*—
Post, C. B., and Fetzer.

Fieroh, Robert W., Chicago, Ill. Propelled and steered step stand. 2,380,160; July 10.

Finlay, Alexander: *See*—
Banzhaf, H. F., and Finlay.

Fisher, Frank E.: *See*—
Edson, K. C., and Fisher.

Fitzgerald, Walter H., Jr., Dallas, Tex. Snap fastener. 2,379,896; July 10.

Fleming-Williams, Brian Clifford, assignor to A. C. Cossor Limited, London, England. Electron discharge device. 2,380,225; July 10.

Flook, Cyril M., assignor of one-fourth to E. Hogge, one-fourth to H. A. Shugart, and one-fourth to W. M. Herring, Carland, Tex. Row crop header. 2,380,161; July 10.

Flosdorf, Earl W., Upper Darby, assignor to Lyophile-Cryochem Company, Philadelphia, Pa. Desiccation of citrus fruit juices. 2,380,036; July 10.

Floyd, Frederick K., Denver, Colo., assignor to C. M. Hathaway, doing business as Hathaway Instrument Company. Amplifier system. 2,379,897; July 10.

Flynn, Theodore P., Portland, Oreg., and A. J. Kramer, Arlington, Va., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Plotting instrument. 2,380,103; July 10.

Food Machinery Corporation: *See*—
Holmes, Herbert G., assignor.

Fosdick Machine Tool Company, The: *See*—
Linden, C. E., and McClellan, assignors.

Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Skip hoist control. 2,379,958; July 10.

Franck, Ernest W., Glenbrook, Conn., and H. E. Reeves, New York, N. Y. Phonograph. 2,380,037; July 10.

Frantz, John R., Wauwatosa, assignor to Le Roi Company, West Allis, Wis. Automatic compressor regulator. 2,380,226; July 10.

Freeman, Benjamin W.: *See*—
Freeman, Louis G., Jr., assignor.

Freeman, Louis G., Jr., assignor to B. W. Freeman, Cincinnati, Ohio. Slashing platforms and insoles. 2,380,227; July 10.

Freyn Engineering Company: *See*—
Fox, Gordon, assignor.

Fromm Laboratories, Inc.: *See*—
Siedentopf, Heinz A., assignor.

Frye, Albert L.: *See*—
Dobson, W. M., Frye, and Griggs.

Fuller Company: *See*—
Hornbrook, Philip R., assignor.

Fulton, Stewart C., Elizabeth, and T. Cross, Jr., Union, N. J., assignors to Standard Oil Development Company. Hydrocarbon treatment. 2,380,228; July 10.

Gamet, Pierre P., Paris, France; vested in the Alien Property Custodian. Directional aerial. 2,380,229; July 10.

Garrott, John H., Bloomfield, N. J., assignor to The Clark Thead Company, New York, N. Y. Tapered end strand mass. 2,380,038; July 10.

Gaston, John R., East Orange, N. J., assignor to American Transformer Company. Fabricating transformers. 2,380,300; July 10.

Gates, Richard L.: *See*—
Curtis, R. R., and Gates.

Gatke, Thomas L., Oak Park, Ill. Apparatus for producing composition brake lining material in transversely grooved strip form. 2,380,230; July 10.

Gavriles, Pete, Laurel, Md. Bandalore toy. 2,380,301; July 10.

Gebauer, Walter, Union, assignor to Premier Glass Works Inc., Irvington, N. J. Support for pendant ornaments. 2,380,104; July 10.

Geertsen, Nelson, Chicago, Ill., assignor to American Can Company, New York, N. Y. Can body maker. 2,379,898; July 10.

Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of The William H. Miner Foundation. Door operator. 2,380,302; July 10.

Geiger, William A., assignor to W. P. Sidley, M. F. Back, A. P. Withall, E. C. Austin, and G. A. Johnson, Chicago, Ill., and A. T. Miner, Chazy, N. Y., as trustees of The William H Miner Foundation. Friction draft gear for railway cars. 2,380,303; July 10.

General Electric Company: *See*—
Bachman, C. H., and Tschopp, assignors.
Harker, David, assignor.
Harris, Eugene E., assignor.
Jewell, Richard G., assignor.
Jewitt, Dennis E., assignor.
Kuehni, Hans P., assignor.
Ludbrook, Leslie C., assignor.
MacCarthy, Donnell D., assignor.
Robinson, Percy W., assignor.
Scheldorf, Marvel W., assignor.
Suhr, F. W., and Warner, assignors.
Warren, Glenn B., assignor.
White, Leo D., assignor.

General Foods Corporation: *See*—
Kremers, Roland E., assignor.

General Motors Corporation: *See*—
Blomberg, M. P., and Smidl, assignors.
Browne, D. B., and Painter, assignors.
Kettering, Eugene W., assignor.

General Tire & Rubber Company, The: *See*—
Vance, R. M., and Damicone, assignors.

Gerber, Edward R.: *See*—
Crumb, C. F., and Gerber.

Germain, Charles E., Worcester, Mass. Snow runner for baby carriages. 2,380,162; July 10.

Gerrard, Oswald, Houston, Tex. Airplane landing and retarding apparatus. 2,380,105; July 10.

Gideon, Victor W., assignor to Boyar-Schultz Corporation, Chicago, Ill. Turning tool. 2,380,039; July 10.

Giffen, Harvey D., Pico, Calif., assignor, by mesne assignments to Consolidated Vultee Aircraft Corporation. Apparatus for analyzing recorded data. 2,380,231; July 10.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control apparatus. 2,379,872; July 10.

Gillings, Charles, Liverpool, and P. E. A. Cowley, Coventry, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone or like system. 2,380,232; July 10.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,380,304; July 10.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,380,305; July 10.

Goby, Clifford S., Cleveland, assignor of one-half to F. Kramer, Cleveland Heights, Ohio. Internal-combustion engine. 2,380,163; July 10.

Goldsborough, Shirley L.: *See*—
Mehring, A. C., and Goldsborough.
Sonnemann, W. K., Mehring, and Goldsborough.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Loop-type impedance-relay or the like. 2,380,164; July 10.

Goldsborough, Shirley L., Basking Ridge, and A. C. Mehring, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-loop directional element. 2,380,165; July 10.

Goodrich, B. F., Company, The: *See*—
Davis, Herbert L., assignor.
Sloan, Arthur W., assignor.

Goodwin, Carl W., North Plainfield, N. J., and H. W. Martin, Malvern, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Hood closure cap. 2,379,959; July 10.

Gould, Franklin M.: *See*—
Pizzirani, D. A., Gould, and Avedikian.

Grand Specialties Company: *See*—
Sasgen, Anthony M., assignor.

Gravenstine, George E., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spotlamp. 2,380,040; July 10.

Graver Tank & Mfg. Co., Inc.: *See*—
Ulm, Reign C., assignor.

Greenwood, Donald W., Wheaton, Ill. Hand loom. 2,380,233; July 10.

Griffin, William C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Emulsions. 2,380,166; July 10.

Griffith, Clement P.: *See*—
Chapman, C. H., Griffith.

Griggs, Truman A.: *See*—
Dobson, W. M., Frye, and Griggs.

Grim, Forrest D., Allentown, Pa., assignor to Trojan Powder Company. Loading machine. 2,380,167; July 10.

Groh & Co., A. G.: *See*—
Streuli, Emil, assignor.

Guthrie, Cecil J., Kansas City, Kans. Blood testing apparatus. 2,380,168; July 10.

Gygi, Hans, Wildegg, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Gas heater. 2,380,169; July 10.

Hall, Homer J., Roselle, N. J., assignor to Standard Oil Development Company. Hydrocarbon condensation process. 2,380,234; July 10.

Hallowell, Howard T., Jr., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa. Transfer mechanism. 2,380,306; July 10.

Hamilton, Wallace, assignor to Draper Corporation, Hopedale, Mass. Picking mechanism. 2,380,170; July 10.

Hamilton Watch Company: *See*—
Bennett, W. O., Jr., assignor.

Hammer, Nathan, New York, N. Y. Time indicating mechanism. 2,380,171; July 10.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio communication system. 2,379,899; July 10.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Receiving system. 2,379,900; July 10.

Harber, Laurence S., assignor to Baker Perkins Limited, Peterborough, England. Conveying means. 2,380,172; July 10.

Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel burning apparatus. 2,380,041; July 10.

Hare, Terence G., Ypsilanti, Mich., assignor to Amesbury Seat Manufacturing Company. Clutch. 2,379,901; July 10.

Harker, David, Alplaus, N. Y., assignor to General Electric Company. Orienting irregular quartz crystals. 2,380,235; July 10.

Harker, David, Alplaus, N. Y., assignor to General Electric Company. X-ray camera. 2,380,236; July 10.

Haroldson, Arthur, Newark, Del., assignor to Continental-Diamond Fibre Company, Newark, Del. Oil-soluble resin and making the same. 2,380,307; July 10.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,379,854; July 10.

Harper-Wyman Company: *See*—
Harper, Philip S., assignor.

Harris, Eugene E., Latham, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,380,237; July 10.

Harris, Frederic R., New York, N. Y. Floating dry dock and pumping apparatus. 2,379,902; July 10.

Harris, Frederic R., New York, N. Y. Pontoon unit for floating dry docks. 2,379,903; July 10.

Harris, Frederic R., New York, N. Y. Multiple unit floating dry dock. 2,379,904; July 10.

Harris, Henry., Champaign, Ill. Traveling work support. 2,379,960; July 10.

Harrison, William H., Spokane, Wash. Harvester reel. 2,380,173; July 10.

Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Clutch. 2,380,308; July 10.

Harte, Richard, assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Manufacture of shovels or the like. 2,380,361; July 10.

Haselton, Kenneth E., assignor to The N. D. Cass Co., Athol, Mass. Toy. 2,380,174; July 10.

Hathaway, Claude M.: *See*—
Floyd, Frederick K.

Hathaway Instrument Company: *See*—
Floyd, Frederick K., assignor.

Haury, Vernon E.: *See*—
Ballard, S. A., and Haury.

Hauton, Paul S., assignor to Scripto Manufacturing Company, Atlanta, Ga. Apparatus for forming plastic objects. 2,380,042; July 10.

Hawkey, Mary C., Philadelphia, Pa. Umbrella doll. 2,380,175; July 10.

Heberlein Patent Corporation: *See*—
Waltmann, E., and Wolf, assignors.

Heckethorn, John E., A. B. Bourg, and E. J. Leonard, assignors to Heckethorn Manufacturing & Supply Co., Littleton, Colo. Automatic infeed and ejecting attachment for grinding machines. 2,379,961; July 10.

Heckethorn Manufacturing & Supply Co.: *See*—
Heckethorne, J. E., Bourg, and Leonard, assignors.

Heller, Douglas M.: *See*—
Bligh, N. R., Heller, and Stenning.

Helseth, Sigurd T., and S. T. Fauver, Painesville, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Gas diffusion means for liquid storage tanks. 2,380,176; July 10.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Load indicating hydraulic jack. 2,380,362; July 10.

Hercules Powder Company: *See*—
Clare, Irwin C., assignor.
Little, Julius G., assignor.
Ott, Emil, assignor.
Schlaanstine, Raymond F., assignor.

Herring, W. M., et al.: *See*—
Flook, Cyril M., assignor.

Hicks, James R., assignor to The Bristol Company, Waterbury, Conn. Null-type fluid manometer system. 2,380,177; July 10.

Hicks, Louis E., Portland, Oreg. Vehicle stabilizer. 2,380,309; July 10.

Hilton, Melvin J., Burbank, Calif. Game. 2,380,106; July 10.

Hoard, Bert V., Portland, Oreg., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed relay. 2,379,905; July 10.

Hobart Manufacturing Company, The: *See*—
Meeker, David A., assignor.
Wallace, De Loss D., assignor.

Hobrock, Raymond H., Grosse Pointe, assignor to Bundy Tubing Company, Detroit, Mich. Tubing. 2,380,107; July 10.

Hockwalt, Carroll A., Rahn Road, Ohio, assignor to Monsanto Chemical Company. Grease proof and water repellent paper. 2,380,043; July 10.

Hoerle, William F., Torrington, Conn. Cleaning tool. 2,379,962; July 10.

Hoffman, Raymond A., Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing electrodeposits. 2,380,044; July 10.

Hogan, John V. L., Forest Hills, assignor to Faximile, Inc., New York, N. Y. Continuous facsimile scanner. 2,379,906; July 10.

Hogge, Earl, et al.: *See*—
Flook, Cyril M., assignor.

Hole, Edward S., London, E. C. 4, England. Adhesive sheet material. 2,379,964; July 10.

Holding, Harry, Hamden, Conn. Lifesaving suit. 2,379,963; July 10.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Testing the dynamic balance of wheels. 2,380,108; July 10.

Hope-Johnson, Bertie, Jr., Saskatoon, Saskatchewan, Canada. Collapsible trailer house. 2,380,045; July 10.

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for casting metal bodies. 2,380,109; July 10.

Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for producing cast metal bodies. 2,380,238; July 10.

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,380,310; July 10.

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,380,311; July 10.

Horton, Erwin C.: *See*—
Rappl, A., and Horton.

Houdaille-Hershey Corporation: *See*—
Hufferd, George H., assignor.

Houston Laboratories: *See*—
Sloan, James P., assignor.

Howald, Arthur M., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Adhesives. 2,380,239; July 10.

Howlett, John W., assignor to Wellworthy Piston Rings Limited, London, England. Machine for cutting tubular members into rings. 2,380,178; July 10.

Hubbard, Norman, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleith, N. J. Weld rod slitter. 2,379,907; July 10.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Thrust bearing. 2,380,179; July 10.

Hufferd, George H., Grosse Pointe, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Separable fastener. 2,380,240; July 10.

Huguenin, Richard, Stamford, Conn., assignor to Inredeco, Inc., Panama City, Panama. Making coffee extract. 2,380,046; July 10.

Hunt, Madison, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal salts of polyhydroxyalkyldithiocarbamic acids and their preparation. 2,379,965; July 10.

Hussmann-Ligonier Company: *See*—
Davis, Russell E., assignor.

Huwer, Charles A., Detroit, Mich. Furnace. 2,380,110; July 10.

Hyman, Frank W., New York, N. Y. Applying coatings. 2,380,047; July 10.

Hytron Corporation: *See*—
La France, Alfred, assignor.

Imperial Chemical Industries Limited: *See*—
Burgoine, E., Collie, and New, assignors.

Industrial Rayon Corporation: *See*—
Helseth, S. T., and Fauver, assignors.

Infilco Incorporated: *See*—
McBride, George A., assignor.

Inredeco, Inc.: *See*—
Durrenmatt, H. K., and de Schoulepnikow, assignors.
Huguenin, Richard, assignor.

International Harvester Company: *See*—
Crumb, C. F., and Gerber, assignors.
Dyrr, Jacob V., assignor.
Harstick, William H., assignor.
Johnson, A. E. W., Orelind, and Smith, assignors.
Morkoski, James, assignor.
Parsons, Harry N., assignor.
Vogel, Hilmond O., assignor.

International Heater Company: *See*—
Wagstaff, Albert E., assignor.

International Standard Electric Corporation: *See*—
Carroll, Louis W., assignor.

Iodent Chemical Company: *See*—
Lautmann, Alfred J., assignor.

Jammer, Jacob S., Montclair, N. J., assignor to Federal Telephone & Radio Corporation. Pothead. 2,380,048; July 10.

Jeffrey Manufacturing Company, The: *See*—
Feight, Oscar J., assignor.

Jelley, Edwin E., and H. C. Staehle, assignors to Eastman Kodak Company, Rochester, N. Y. Viewing system. 2,380,241; July 10.

Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Telemetering system and apparatus. 2,380,242; July 10.

Jewitt, Dennis E., Rugby, England, assignor to General Electric Company. Power transmitting apparatus. 2,380,243; July 10.

Johns-Manville Corporation: *See*—
Rembert, Ernest W., assignor.

Johnson, Arnold E. W., Oak Park, J. R. Orelind, Wilmette, and H. P. Smith, Canton, Ill., assignors to International Harvester Company. Repair apparatus for vehicles. 2,380,313; July 10.

Johnson, Charles R., Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Detonating fuse. 2,380,312; July 10.

Johnson, Earl S.: *See*—
Schramm, Roy A., assignor.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,379,966; July 10.

Johnson, George A., trustee, et al.: *See*—
Geiger, William A., assignor.

Johnson, William B., Wheaton, assignor to The Bastian-Blessing Company, Chicago, Ill. Thread cutter. 2,379,908; July 10.

Jones, George B., Caspar, Calif. Bark peeling machine. 2,380,049; July 10.

Jones, Homer W., Westfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowtorch. 2,379,967; July 10.

Jones, Insley P.: *See*—
Willauer, E. E., and Jones.

Jones, Loyd A., C. N. Nelson, and L. D. Clark, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitometry. 2,380,244; July 10.

Joy Manufacturing Company: *See*—
Ball, Charles F., assignor.

Karp, Jack, Brooklyn, N. Y. Attachable shoe cap of plastic material. 2,380,050; July 10.

Kasten, Walter, Franklin, assignor to Ralph L. Skinner, Detroit, Mich. Helically wound body. 2,380,111; July 10.

Kavle-Head Corporation, The: *See*—
Kavle, Oscar C., assignor.

Kavle, Oscar C., Syracuse, assignor to The Kavle-Head Corporation, Ithaca, N. Y. Automatic work feeding attachment for drill presses. 2,380,314; July 10.

Keith, Percival C., Peapack, N. J., and M. M. Perkins, Brooklyn, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for effecting catalytic reactions. 2,380,245; July 10.

Kellogg, M. W., Company, The: *See*—
Hopkins, Robert K., assignor.
Keith, P. C., and Perkins, assignors.

Kendall Company, The: *See*—
Morrison, D. E., and Ziegler, assignors.

Kettering, Eugene W., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Hydraulic valve adjusting means. 2,380,051; July 10.

Kidd, Earl H.: *See*—
Shaw, J. C., and Kidd.

Kilian, Rudolph R., Baldwinsville, assignor to Rollway Bearing Co., Inc., Syracuse, N. Y. Double acting reciprocating air motor. 2,380,315; July 10.

Kilpatrick, Edward L., Arlington, Va. Determining vertical angle of incidence of radio waves. 2,379,909; July 10.

Kinkead, Fullerton S., deceased, New York, by R. S. Kinkead, Trudau, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,379,910; July 10.

Kinkead, Rita S., administratrix: *See*—
Kinkead, Fullerton S.

Kinnear, Clarence W., Houston, Tex. Drill. 2,380,112; July 10.

Kintz, Earl E., Cleveland, Ohio. Storage rack. 2,380,316; July 10.

Kline, John E., Grosse Pointe Farms, and C. S. White, Dearborn, assignors to Micromatic Hone Corporation, Detroit, Mich. Device for honing spiral grooves. 2,380,317; July 10.

Kline, Quentin M., Dearborn, Mich. Interest calculator. 2,380,318; July 10.

Knake, Max C., Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aromatic nitrocompounds. 2,380,246; July 10.

Knight Bros.: *See*—
Kurillo, Max, assignor.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,379,968; July 10.

Kobler, Victor and W., Zurich, Switzerland. Dry-shaving apparatus. 2,379,969; July 10.

Kobler, Werner: *See*—
Kobler, Victor and W.

Koebel, Joseph H., Rock Island, Ill. Safety window screen and door lock. 2,379,970; July 10.

Koller, Peter B., Jr., assignor to Buffalo Jewelry Case Company, Inc., Buffalo, N. Y. Jewelry box. 2,380,052; July 10.

Koonz, John C.: *See*—
Quinell, L. E., and Koonz.

Kottmann, Arthur A., Davenport, Iowa, assignor, by mesne assignments, to The Bettendorf Company. Article handling apparatus. 2,379,911; July 10.

Kouvallis, Theodore P., Chicago, Ill. Electric heater. 2,380,180; July 10.

Kramer, Albert J.: *See*—
Flynn, T. P., and Kramer.

Kramer, Frank: *See*—
Goby, Clifford S., assignor.

Krehbiel, John J., Bridgeport, Conn. Mold for binding books. 2,379,971; July 10.

Kremers, Roland E., Summit, assignor to General Foods Corporation, Hoboken, N. J. Treatment of cashew nut shell liquid and the resulting product. 2,380,319; July 10.

Krenzien, Alvin T., Norfolk, Nebr. Front wheel drive for vehicles. 2,380,181; July 10.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Liquid level indicating device. 2,380,249; July 10.

Kuenzli, Walter A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerating apparatus. 2,380,053; July 10.

Kuhns, Austin, assignor to Farrel-Birmingham Company, Incorporated, Buffalo, N. Y. Flexible coupling. 2,380,113; July 10.

Kurillo, Max, assignor of one-third to Knight Bros., Washington, D. C. Mounting for electric fuses. 2,380,114; July 10.

La Bille, Joseph A., Chicago, Ill. Inhaler. 2,380,182; July 10.

La France, Alfred, assignor to Hytron Corporation, Salem, Mass. Machine for making radio tube heater elements. 2,380,320; July 10.

Lambert Brake Corporation: *See*—
Lambert, Homer T., assignor.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Adapter brake mechanism. 2,379,972; July 10.

Land, Edwin H., and R. P. Blake, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del. Light polarizer and manufacture. 2,380,363; July 10.

Lane-Wells Company: *See*—
Turechek, George F., assignor.

Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control device. 2,379,873; July 10.

Lapin Products, Inc.: *See*—
Rosenheim, David, assignor.

La Plant-Choate Mfg. Co., Inc.: *See*—
Austin, Ellsworth W., assignor.

Larkin, Lester U., Chicago, Ill., assignor to Lul Products, Inc., Baltimore, Md. Apparatus for the manufacture of finned structures. 2,379,973; July 10.

Laufer, Louis, assignor to Schwarz Laboratories, Inc., New York, N. Y. Nucleic acid. 2,379,912; July 10.

Laufer, Louis, and J. Charney, assignors to Schwarz Laboratories Inc., New York, N. Y. Recovery of rare sugars. 2,379,913; July 10.

Laufer, Louis, and J. Charney, assignors to Schwarz Laboratories, Inc., New York, N. Y. Recovery of rare sugars. 2,379,914; July 10.

Lautmann, Alfred J., assignor to Iodent Chemical Company, Detroit, Mich. Welding. 2,380,054; July 10.

Leo, Herbert T., C. C. Taylor, and J. W. Lindsey, assignors to Mutual Citrus Products Company, Anaheim, Calif. Treating gum solutions. 2,380,115; July 10.

Leonard, Edward J.: *See*—
Heckethorn, J. E., Bourg, and Leonard.

Le Roi Company: *See*—
Frantz, John R., assignor.

Le Tourneau, R. G., Inc.: *See*—
Peterson, Oscar R., assignor.

Libbey-Owens-Ford Glass Company: *See*—
Howald, Arthur M., assignor.

Lind, Alvin C., assignor to National Automotive Fibres, Inc., Detroit, Mich. Stapling mechanism. 2,380,116; July 10.

Linden, Carl E., Cincinnati, and R. H. McClellan, Hamilton, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Clamping mechanism for machine tools. 2,380,055; July 10.

Lindsay, Alexander R.: *See*—
Deisley, E. J., Ulrich, and Lindsay.

Lindsey, John W.: *See*—
Leo, H. T., Taylor, and Lindsey.

Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Cellulosic lacquer. 2,379,974; July 10.

Lloyd, Thorne E., Bear Pond, N. J., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Heat-treating process and apparatus. 2,380,056; July 10.

Lowy, Larry, New York, N. Y. Combined phonograph and projector. 2,380,250; July 10.

Ludbrook, Leslie C., Cawston, near Rugby, England, assignor to General Electric Company. Electromagnetic gauge. 2,380,251; July 10.

Luger, Kenneth E., Minneapolis, Minn. Clothes drying rack. 2,379,975; July 10.

Lul Products, Inc.: *See*—
Larkin, Lester U., assignor.

Lummus Company, The.: *See*—
Bloomer, Ward J., assignor.

Lykken, Henry G. and W. H., Minneapolis, Minn. Pulverizing and classifying apparatus. 2,380,321; July 10.

Lykken, William H.: *See*—
Lykken, Henry G. and W. H.

Lyophile-Cryochem Company: *See*—
Flosdorf, Earl W., assignor.

MacCarthy, Donnell D., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,380,255; July 10.

Maddock, Bruce H., Fanwood, N. J., assignor to Carbide and Carbon Chemicals Corporation. Conductive plastic. 2,379,976; July 10.

Magnavox Company, The: *See*—
Quinell, L. E., and Koonz, assignors.

Maldonado, Joseph, Los Angeles, Calif. Spool holder. 2,380,117; July 10.

Maney, George A., Evanston, Ill. Bridge and hanger system. 2,380,183; July 10.

Mark, Herman F., and S. Siggia, Brooklyn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of carboxycellulose. 2,379,917; July 10.

Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Synthetic rubber compositions. 2,380,184; July 10.

Marple, Kenneth E., E. C. Shokal, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of hydroxy ethers. 2,380,185; July 10.

Marquardt, Frank C., Bronx, assignor to American Bank Note Company, New York, N. Y. Printing machine. 2,380,322; July 10.

Marshall, Charles O., assignor to Toledo Scale Company, Toledo, Ohio. Food handling apparatus. 2,380,364; July 10.

Martin, Harold W.: *See*—
Goodwin, C. W., and Martin.

Martin, James, Higher Denham, near Uxbridge, England. Trimmer tab control for airplanes. 2,379,977; July 10.

Martz, Loyd C., assignor of one-half to L. L. Felker, Del Norte, Colo. Foot rest. 2,380,118; July 10.

Marvel Equipment Corporation: *See*—
Roethel, John H., assignor.

Masonite Corporation: *See*—
Dorland, R. M., and Boehm, assignors.

Mayer, Beatrice S., New Rochelle, N. Y. Scraper for pots, pans, and the like. 2,380,186; July 10.

Mayer, Oscar, & Co., Inc.: *See*—
Seiferth, Oscar E., assignor.
Seiferth, O. E., and Sloan, assignors.
Sloan, Edward C., assignor.

McAllister, Sumner H.: *See*—
Anderson, J., Peterson, and McAllister.

McBride, George A., Grosse Pointe Woods, Mich., assignor to Infilco Incorporated, Chicago, Ill. Treatment of paper machine waste water. 2,380,252; July 10.

McClellan, Raymond H.: *See*—
Linden, C. E., and McClellan.

McCoy, James P. A., assignor of one-half to Milwaukee Tool & Die Company, Milwaukee, Wis. Granulating metals. 2,380,253; July 10.

McCulloch, Thomas B., Baytown, Tex., assignor to Standard Oil Development Company. Inhibiting hydrochloric acid against corrosiveness to ferrous metals. 2,380,254; July 10.

McGreal, Martin: *See*—
Niederl, J. B., V., and McGreal.

McGregor, Rob R., Swissvale, and E. L. Warrick, Westview, Pa., assignors to Corning Glass Works, Corning, N. Y. Dialkylated silicon esters and making them. 2,380,057; July 10.

McIntosh, Maurice D., Cleveland Heights, assignor to L. S. Sanders, Shaker Heights, Ohio. Media for use in making camera copy and preparing same. 2,379,915; July 10.

McIntosh, Robert R., Battle Creek, Mich. Method and apparatus for draft control. 2,379,916; July 10.

McLeod, John H.: *See*—
Turner, J. R., McLeod, and Bullock.

McLucas, William, Glasgow, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle scouring and polishing machine. 2,380,058; July 10.

McQueen, David M.: *See*—
Dorough, G. L., and McQueen.

Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 2,380,059; July 10.

Mehring, Arthur C.: *See*—
Goldsborough, S. L., and Mehring.
Sonnemann, W. K., Mehring, and Goldsborough.

Mehring, Arthur C., East Orange, and S. L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-magnet double-loop directional relay. 2,379,918; July 10.

Mehring, Arthur C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Universal high-speed directional relay. 2,380,187; July 10.

Messmore, George H., New York, N. Y. Laminated gangway. 2,380,060; July 10.

Meyer, Albert W., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber covered copper article. 2,379,978; July 10.

Michaud, Elzear V., Chicago, assignor to Harold T. Ames, Wilmette, Ill. Burning liquid fuel. 2,379,979; July 10.

Micromatic Hone Corporation: *See*—
Kline, J. E., and White, assignors.

Midling, Eugene A.: *See*—
Batterson, E. W., and Midling.

Miller, Arthur J., and E. P. Sauerborn, Newark, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y. Manufacture of selenium elements. 2,379,919; July 10.

Miller, Benjamin F.: *See*—
Baker, Z., and Miller.

Miller, Edwin A., Fairfield, Conn. Lock nut. 2,379,980; July 10.

Miller, Joe: *See*—
Sullivan, R. J., and Miller.

Millstein, Jacob H., Jeannette, Pa. Candy containing toy telephone. 2,379,981; July 10.

Milwaukee Tool & Die Company: *See*—
McCoy, James P. A., assignor.

Miner, Alice T., trustee, et al.: *See*—
Geiger, William A., assignor.

Miner, W. H., Inc.: *See*—
Dath, George E., assignor.

Miner, William H., Foundation, et al.: *See*—
Geiger, William A., assignor.

Minneapolis-Honeywell Regulator Company: *See*—
Beam, V. O., and Wilson, assignors.
Edelman, Walter E., assignor.
Gille, Willis H., assignor.
Lange, Frederick E., assignor.

Minns, Frederick J.: *See*—
De Lubicz-Bakanowski, Z., and Minns.

Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Truck. 2,379,982; July 10.

Monroe Calculating Machine Company: *See*—
Britten, Edwin F., Jr., assignor.

Monsanto Chemical Company: *See*—
Hochwalt, Carroll A., assignor.
Mowry, David T., assignor.

Moore, Lee C., & Company, Inc.: *See*—
Woolslayer, Homer J., assignor.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Plow. 2,380,323; July 10.

Moroney, James J., et al.: *See*—
Bauer, William J., assignor.

Morrison, Dana E., Kenilworth, and P. F. Ziegler, Winnetka, assignors to The Kendall Company, Chicago, Ill. Bonded joint or section of elastic fabric. 2,380,365; July 10.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Cyanomethyl esters of dicarboxylic acids. 2,380,061; July 10.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Cyanomethyl crotonates. 2,380,062; July 10.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Cyanomethyl cinnamates. 2,380,063; July 10.

Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Treating and removing finely-divded solid material. 2,380,324; July 10.

Munson, Alexander L., Detroit, Mich. Welding mechanism. 2,379,983; July 10.

Mutual Citrus Products Company: *See*—
Leo, H. T., Taylor, and Lindsey, assignors.

Nardone, Romeo M., Teaneck, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,380,064; July 10.

National Automotive Fibres, Inc.: *See*—
Lind, Alvin C., assignor.

National Broach & Machine Company: *See*—
Ashton, Harold, assignor.
Praeg, Walter S., assignor.

Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerating apparatus. 2,380,256; July 10.

Nelson, Arthur L., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Modulating system for frequency multipliers. 2,380,366; July 10.

Nelson, Clarence N.: *See*—
Jones, L. A., Nelson, and Clark.

Nereaux, Joseph R., Cincinnati, Ohio, assignor to Wright Aeronautical Corporation. Simplified drive for cutting tools. 2,379,984; July 10.

New, Randal G. A.: *See*—
Burgoine, E., Collie, and New.

Newark Stove Company: *See*—
Walton, A. K., and Chesser, assignors.

Newcomb, Avon L., Birmingham, assignor to Newcomb-Detroit Company, Detroit, Mich. Apparatus for washing air, gases, or vapors. 2,380,065; July 10.

Newcomb-Detroit Company: *See*—
Newcomb, Avon L., assignor.

Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread waxing device. 2,379,985; July 10.

New York Air Brake Company, The: *See*—
Huber, Matthew W., assignor.

Niagara Blower Company: *See*—
Schoepflin, P. H., Deverall, and Stutz, assignors.

Niederl, Joseph B. and V., and M. McGreal, Brooklyn, N. Y. Asymmetric quaternary ester-salts of morpholine. 2,380,325; July 10.

Niederl, Victor: *See*—
Niederl, J. B. and V., and McGreal.

Nix, Edmund A., Montreal, Quebec, assignor to Dominion Hoist & Shovel Company Limited, Lachine, Quebec, Canada. Valve gear mechanism. 2,380,369; July 10.

Norman, Joseph W., assignor to Smith and Wesson, Inc., Springfield, Mass. Firing mechanism for firearms. 2,380,326; July 10.

Northrop, John K., Los Angeles, Calif. Anchor. 2,380,119; July 10.

O'Connor, Edward G., New York, N. Y. Spark and slug catching chute. 2,380,188; July 10.

Oilgear Company, The: *See*—
Davis, Richard E., assignor.

Olsen, Christian E., Washburn, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trinitrotoluene. 2,380,247; July 10.

Orelind, John R.: *See*—
Johnson, A. E. W., Orelind, and Smith.

Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Tall oil components separation. 2,389,986; July 10.

Ott, Ernest L.: *See*—
DeWitt, W. J., Ott, and Runk.

Painter, Rex H. G.: *See*—
Browne, D. B., and Painter.

Parker, Arthur H.: *See*—
Sebell, Harry, assignor.

Parsons, Harry N., Chicago, Ill., assignor to International Harvester Company. Bearing. 2,380,327; July 10.

Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,380,257; July 10.

Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,380,258; July 10.

Pateras Pescara, Raul, Lisbon, Portugal. Internal-combustion engine. 2,380,066; July 10.

Patterson, Chester L., Jackson Heights, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Wire rolling mill. 2,380,067; July 10.

Patton, Clark E., Springfield, Ohio. Oil seal puller. 2,380,068; July 10.

Pecher, Lawrence H., Akron, Ohio. Fish lure. 2,380,328; July 10.

Pennsylvania Bituminous Coal Research, Inc.: *See*—
Pilcher, J. M., and Dennis, assignors.

Pennsylvania Manufacturing Company: *See*—
Hallowell, H. T., Jr., assignor.

Perkins, Myrtle M.: *See*—
Keith, P. C., and Perkins.

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can body maker. 2,379,920; July 10.

Peterson, Oscar R., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Heavy duty portable crane. 2,380,069; July 10.

Peterson, Walter H.: *See*—
Anderson, J., Peterson, and McAllister.

Petrov, John M., Cleveland, Ohio. Device for computing compound angles. 2,380,070; July 10.

Pfeifer, Walter T., New York, N. Y. Engine. 2,380,120; July 10.

Phillips Petroleum Company: *See*—
Arnold, Philip M., assignor.
Douslin, Donald R., assignor.
Reid, James A., assignor.

Pierce, Frederic E., Los Angeles, Calif. Cleansing composition. 2,380,259; July 10.

Pilcher, John M., State College, and F. F. Dennis, Philadelphia, assignors to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa. Stoker. 2,380,260; July 10.

Pilgrim Plastics, Inc.: *See*—
Desmond, Virginia D., assignor.

Pizzirani, Dominick A., and F. M. Gould, U. S. Army, and S. Z. Avedikian, New York, N. Y. Sampler of granular material. 2,379,921; July 10.

Planett, Earl C., Downey, Calif. Welding band for pipe joints. 2,380,071; July 10.

Polaroid Corporation: *See*—
Land, E. H., and Blake, assignors.

Porter, Leslie F., Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switchboard system. 2,379,987; July 10.

Post, Carl B., and M. C. Fetzer, Wyomissing, assignors to The Carpenter Steel Company, Reading, Pa. Steel alloys. 2,379,988; July 10.

Postal Telegraph-Cable Company (New York): *See*—
Connery, Alder F., assignor.
Connery, A. F., and Coe, assignors.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Shaving gears. 2,380,261; July 10.

Premier Glass Works, Inc.: *See*—
Gebauer, Walter, assignor.

Price, Albert: *See*—
Wilder, Charlton, assignor.

Price, Jacob R., Kansas City, Mo. Battery opening apparatus. 2,380,329; July 10.

Pure Oil Company, The: *See*—
Sowers, Wesley H., assignor.

Quinnell, La Vern E., and J. C. Koonz, assignor to The Magnovox Company, Fort Wayne, Ind. Solenoid initiating mechanism for machine guns or other devices. 2,380,262; July 10.

Radio Corporation of America: *See*—
Hansell, Clarence W., assignor.

Ranney, Willet B., assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Gum package. 2,380,367; July 10.

Rappl, Anton, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Window operator. 2,379,989; July 10.

Ratigan, James P., Los Angeles, Calif. Stuffing box. 2,380,189; July 10.

Rees, Herbert C., San Antonio, Tex. Apparatus for measuring the distance between visual axes of the eyes and for determining vertical imbalance of the eyes or eyeglass lenses. 2,380,263; July 10.

Reeves, Hazard E.: *See*—
Franck, E. W., and Reeves.

Reid, James A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Sulphurized hydrocarbon and preparation. 2,380,072; July 10.

Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Pipe coupling. 2,379,990; July 10.

Research Corporation: *See*—
Bush, Vannevar, assignor.

Riboud, Jacques M. J., Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y. Ground gripping for gun mounts. 2,379,991; July 10.

Richardson, Walter C., Montreal, Quebec, Canada. Cinder draining and disposal plant. 2,380,264; July 10.

Richfield Oil Corporation: *See*—
Dobson, W. M., Frye, and Griggs, assignors.

Ridbo Laboratories, Inc.: *See*—
Auer, László, assignor.

Ring Balance Instrument Company: *See*—
Bean, Donald O., assignor.

Ringler, Rudolph M., Wymore, Nebr. Drill bit support. 2,380,330; July 10.

Roberts, Alfred: *See*—
Crosse, M., and Roberts.

Robertshaw Thermostat Company: *See*—
Strobel, Charles K., assignor.

Robertson, Mabel N., Philadelphia, Pa. Food storage equipment. 2,380,121; July 10.

Robins Conveyors Incorporated: *See*—
Bankauf, William F., assignor.

Robinson, Percy W., Scotia, N. Y., assignor to General Electric Company. Adjustable transformer regulator. 2,380,265; July 10.

Robinson, Ralph J., Los Angeles, Calif. Apparatus for drawing perspectives. 2,380,073; July 10.

Roche, Clifton R., Los Angeles, Calif. Fluid flywheel transmission. 2,380,074; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window control mechanism. 2,379,922; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,379,923; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,379,924; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,379,925; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,379,926; July 10.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide. 2,379,927; July 10.

Rollway Bearing Co., Inc.: *See*—
Kilian, Rudolph R., assignor.

Rose, Edward, Dunkirk, N. Y. Attachment for scissors or shears. 2,380,075; July 10.

Rosenheim, David, New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J. Spectacles. 2,379,928; July 10.

Roth, Augusta, Cleveland, Ohio. Corset-type garment. 2,380,266; July 10.

Runk, William B.: *See*—
DeWitt, W. J., Ott, and Runk.

Rushton, Eugene R., Florence, Ala., assginor to Tennessee Valley Authority. Separating protein from waste material. 2,379,929; July 10.

Ruth, Roger A., assignor to Eastman Kodak Company, Rochester, N. Y. Print trimming gauge. 2,380,267; July 10.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Dump rake. 2,380,190; July 10.

Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Printing machine. 2,380,331; July 10.

Sager, George F.: *See*—
Stroup, P. T., and Sager.

Sanders, Louis S.: *See*—
McIntosh, Maurice D., assignor.

Sasgen, Anthony M., assignor to Grand Specialties Company, Chicago, Ill. Work supporting and finishing apparatus. 2,379,992; July 10.

Sauerborn, Eugene P.: *See*—
Miller, A. J., and Sauerborn, assignors.

Sauzedde, Claude, Detroit, Mich. Shock absorber. 2,380,191; July 10.

Sayler, William H., assignor of one-half to H. E. Bassford, Salt Lake City, Utah. Filter. 2,379,930; July 10.

Scarborough, William B.: *See*—
Schwebel, William H., assignor.

Schaevitz, Herman, Collingswood, N. J. Voltage drop calculator. 2,379,931; July 10.

Scheer, Hubert J., Collingswood, N. J., assignor to Abrasive Company, Philadelphia, Pa. Apparatus for introducing a coolant into grinding wheels. 2,380,332; July 10.

Scheidegger, Jakob, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Monoazo dyestuffs. 2,380,122; July 10.

Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. High frequency antenna. 2,380,333; July 10.

Scheyer, Roy W., Chicago, Ill. Easel back for pictures. 2,380,076; July 10.

Schien, Harold: *See*—
Blicker, Meyer, assignor.

Schien, James N.: *See*—
Walther, Lucian E., assignor.

Schlaanstine, Raymond F., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Rosin modified phenol-aldehyde resin. 2,380,192; July 10.

Schoelkopf, Louis F., Madison, Wis. Inertia door operating device. 2,380,334; July 10.

Schoepflin, Paul H., New York, and C. N. Deverall and R. C. Stutz, assignors to Niagara Blower Company, Buffalo, N. Y. Heat exchange device. 2,379,932; July 10.

Schramm, Roy A., assignor of forty per cent to E. S. Johnson, Bay City, Mich. Grinding attachment for lathes. 2,380,335; July 10.

Schutte, August H., Hastings on Hudson, N. Y. Wax-oil separation. 2,380,077; July 10.

Schutte, August H., Hastings on Hudson, N. Y. Separating wax. 2,380,078; July 10.

Schutte, August H., Bronxville Manor, N. Y. Centrifugal. 2,379,993; July 10.

Schwarz, Ernst L., assignor to Armour Research Foundation, Chicago, Ill. Motor control. 2,380,268; July 10.

Schwarz Laboratories, Inc.: *See*—
Laufer, Louis, assignor.
Laufer, L., and Charney, assignors.

Schwarzmayr, Ludwig, San Francisco, Calif. Illumination of rooms. 2,379,933; July 10.

Schwebel, William H., Baldwin, N. Y., assignor, by mesne assignments, to W. B. Scarborough, Englewood, N. J. Aircraft construction. 2,380,336; July 10.

Schwien, Leo N., assignor to L. N. Schwien Engineering Co., Los Angeles, Calif. Gyroscopic angular velocity indicator. 2,380,079; July 10.

Schwien, L. N., Engineering Co.: *See*—
Schwien, Leo N., assignor.

Schwinn, Frank W., Chicago, Ill. Bicycle carrier. 2,379,994; July 10.

Scott, Harry R., King City, Calif. Harvesting machine. 2,380,193; July 10.

Scripto Manufacturing Company: *See*—
Hauton, Paul S., assignor.

Sebell, Harry, Marblehead, assignor of one-half to A. H. Parker, Lexington, Mass. Bowling alley. 2,380,337; July 10.

Seiferth, Oscar E., assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Package. 2,379,934; July 10.

Seiferth, Oscar E., Chicago, and E. C. Sloan, Geneva, assignors to Oscar Mayer & Co., Inc., Chicago, Ill. Packaging method. 2,379,935; July 10.

Servel, Inc.: *See*—
Davidson, John, assignor.
Kuenzli, Walter A., assignor.
Nauert, Carl H., assignor.

Shakespeare Products Company: *See*—
Batterson, E. W., and Midling, assignors.

Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure feeding and embossing mechanism. 2,380,194; July 10.

Sharples Corporation, The: *See*—
Ambler, Charles M., assignor.
Bath, Wilmer H., assignor.

Shaw, Joe C., and E. H. Kidd, Racine, Wis., assignors to Young Radiator Company. Drain valve. 2,379,995; July 10.

Shell Development Company: *See*—
Anderson, J., Peterson, and McAllister, assignors.
Ballard, S. A., and Haury, assignors.
Marple, Kenneth E., assignor.
Marple, K. E., Shokal, and Evans, assignors.
Van Ess, P. R., and White, assignors.

Sherman, Orville B., assignor to Detroit Macoid Corporation, Detroit, Mich. Cosmetic container. 2,380,338; July 10.

Shmidl, Albert J.: *See*—
Cato, A. Q., Wash, and Shmidl.

Shoe Form Co. Inc.: *See*—
DeVitt, W. J., Ott, and Runk, assignors.

Shoemaker, George H., Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation. Rectifier. 2,380,080; July 10.

Shokal, Edward C.: *See*—
Marple, K. E., Shokal, and Evans.

Shugart, H. A., et al.: *See*—
Flook, Cyril M., assignor.

Sidley, William P., trustee, et al.: *See*—
Geiger, William A., assignor.

Siedentopf, Heinz A., St. Paul, Minn., assignor to Fromm Laboratories, Inc., Grafton, Wis. Method and apparatus for reserving biological substances. 2,380,339; July 10.

Siggia, Sidney: *See*—
Mark, H. F., and Siggia.

Silva, Joseph B.: *See*—
Brown, A. J., and Silva.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Transmitting system. 2,379,996; July 10.

Simpson, James, Linden, N. J., assignor to Standard Oil Development Company. Cleaning heat exchanger surfaces. 2,380,340; July 10.

Singer Manufacturing Company, The: *See*—
McLucas, William, assignor.

Skelly Oil Company: *See*—
Edson, K. C., and Fisher, assignors.

Skinner, Ralph L.: *See*—
Kasten, Walter, assignor.

Sloan, Arthur W., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,379,936; July 10.

Sloan, Edward C.: *See*—
Seiferth, O. E., and Sloan.

Sloan, Edward C., Geneva, assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Banding machine. 2,379,937; July 10.

Sloan, James P., assignor to Houston Laboratories, Houston, Tex. Evaluating the content of gas reservoirs. 2,380,081; July 10.

Sloan, James P., assignor to Houston Laboratories, Houston, Tex. Apparatus for use in evaluating gas reservoirs. 2,380,082; July 10.

Smidl, John M.: *See*—
Blomberg, M. P., and Smidl.

Smith, Allan K.: *See*—
Brother, G. H., and Smith.

Smith and Wesson, Inc.: *See*—
Norman, Joseph W., assignor.

Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper and ink therefor. 2,380,195; July 10.

Smith, Hiram P.: *See*—
Johnson, A. E. W., Orelind, and Smith.

Smith, Jacob A., assignor of one-half to C. A. Benjamin, Chicago, Ill. Punch mounting. 2,380,123; July 10.

Smith, L. C., & Corona Typewriters, Inc.: *See*—
Walker, C., and Wade, assignors.

Smith, Thomas W., Jr., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Inflatable athletic ball and making same. 2,380,370; July 10.

Society of Chemical Industry in Basle: *See*—
Scheidegger, Jakob, assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Abrams, A. J., and Cook, assignors.

Soderberg, Gustave J., Babylon, N. Y. Polisher. 2,379,997; July 10.

Soltzberg, Solomon, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of tartaric acid values. 2,380,196; July 10.

Sonneman, William K., Roselle Park, A. C. Mehring, East Orange, and S. L. Goldsborough, Basking Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-loop four-pole directional element. 2,380,197; July 10.

Sowers, Wesley H., Flossmoor, assignor to The Pure Oil Company, Chicago, Ill. Diesel fuels. 2,380,341; July 10.

Spagnolo, Cosimo D., New York, N. Y. Cartridge feeding mechanism. 2,380,083; July 10.

Spang, Joseph P., Quincy, assignor to Cube Steak Machine Co., Boston, Mass. Meat slitting machine. 2,380,371; July 10.

Specialty Equipment and Machinery Corp.: *See*—
Riboud, Jacques M. J., assignor.

Sperry Gyroscope Company, Inc.: *See*—
Esval, O. E., and Wrigley, assignors.

Spray Wax Sales Co.: *See*—
Clinton, Charles H., assignor.

Sproat, Ira E., Westport, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Ceramic bodies. 2,380,198; July 10.

Staehle, Henry C.: *See*—
Jelley, E. E., and Staehle.

Standard Oil Company: *See*—
Johnson, Everett A., assignor.

Standard Oil Development Company: *See*—
Cato, A. Q., Wash, and Shmidl, assignors.
Evans, H. C., and Young, assignors.
Fulton, S. C., and Cross, assignors.
Gleason, Anthony H., assignor.
Hall, Homer J., assignor.
McCulloch, Thomas B., assignor.
Munday, John C., assignor.
Simpson, James, assignor.
Sullivan, R. J., and Miller, assignors.
Welty, Albert B., Jr., assignor.
Willauer, E. E., and Jones, assignors.

Standard Railway Equipment Manufacturing Company: *See*—
Tangerman, William J., assignor.

Stanley Steam Motors Corporation: *See*—
Doble, Abner, assignor.

Stanolind Oil and Gas Company: *See*—
Silverman, Daniel, assignor.

Stearns Magnetic Mfg. Co.: *See*—
Stearns, R. H., and Broetzmann, assignors.

Stearns, Roswell H., Wauwatosa, and C. F. Broetzmann, assignors to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,380,342; July 10.

Stein, Sara, Brooklyn, N. Y. Foundation garment bust pocket. 2,380,199; July 10.

Steinhorst, Theodore, et al., trustees: *See*—
Emerson, Arthur J., assignor.

Stellin, Domnic V., Bronx, N. Y. Interchangeable punch and die and retainer for same. 2,308,343; July 10.

Stenning Luis C.: *See*—
Bligh, N. R., Heller, and Stenning.

Stokoe, Frederick L., Chicago, Ill. Ash storage and conveying apparatus. 2,379,998; July 10.

Stokes, F. J., Machine Company: *See*—
Strauss, William, assignor.

Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Push-off device. 2,380,084; July 10.

Streuli, Emil, assignor to Groh & Co., A. G., Horgen, Switzerland. Heddle frame for looms. 2,380,124; July 10.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for fuel burners. 2,380,125; July 10.

Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Thermal treatment. 2,380,202; July 10.

Stroup, Philip T., and G. F. Sager, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Magnesium base alloy. 2,380,200; July 10.

Stroup, Philip T., and G. F. Sager, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Manufacture of castings. 2,380,201; July 10.

Stuhlfauth, George, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for bonding one article to another. 2,380,269; July 10.

Sturm, Fred A., Paterson, N. J. Marking crayon. 2,380,126; July 10.

Stutz, Robert C.: *See*—
Schoepflin, P. H., Deverall, and Stutz.

Suhr, Fred W., and W. W. Warner, Fort Wayne, Ind., assignors to General Electric Company. Quick reversing single phase motor. 2,380,270; July 10.

Sullivan, Robert J., and J. Miller, Houston, Tex., assignors to Standard Oil Development Company. Obtaining high pressure distillate samples. 2,380,271; July 10.

Sun Rubber Company, The: *See*—
Smith, Thomas W., Jr., assignor.

Superior Electric Company: *See*—
Conrad, Albert G., assignor.

Sutter, Edward R., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill. Anchoring means for foundation garments. 2,380,272; July 10.

Sutton, Frank G., Key West, Fla. Chain mandrel for bending pipes. 2,380,344; July 10.

Swanson, Bernard A., Port Angeles, Wash. Fluid power transmission mechanism. 2,379,938; July 10.

Swift Rifle Company Limited, The: *See*—
De Lubicz-Bakanowski and Minns, assignors.

Switzer, Joseph L., et al.: *See*—
Williams, David H., assignor.

Switzer, Robert C., et al.: *See*—
Williams, David H., assignor.

Tack, Carl E., and L. G. Vree, assignors to American Steel Foundries, Chicago, Ill. Rotor. 2,380,085; July 10.

Tait, John, San Francisco, Calif. Periodical dispenser. 2,380,345; July 10.

Tangerman, William J., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car structure. 2,380,086; July 10.

Taplin, Kenneth W., Minneapolis, Minn. Sounding toy. 2,380,273; July 10.

Taylor, Clarence C.: *See*—
Leo, H. T., Taylor, and Lindsey.

Teletype Corporation: *See*—
Zenner, Walter J., assignor.

Tennessee Valley Authority: *See*—
Rushton, Eugene R., assignor.

Thomlinson, Fred, Langley, England. Apparatus for heating air or other fluid. 2,380,346; July 10.

Thompson Products, Inc.: *See*—
Venditty, Anthony, assignor.

Thomsen, Alfred M., San Francisco, Calif. Processing of molasses and the like. 2,380,087; July 10.

Thomson, S. H., Manufacturing Company, The: *See*—
Gravenstine, George E., assignor.

Tickell, Herbert J., Chicago, Ill. Stereoscopic apparatus. 2,380,088; July 10.

Todd Company, Inc., The: *See*—
Smith, Burgess W., assignor.

Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Coil. 2,380,203; July 10.

Toledo Scale Company: *See*—
Hem, Halvor O., assignor.
Marshall, Charles O., assignor.

Toney, Earl H., Detroit, Mich. Trap. 2,380,127; July 10.

Trico Products Corporation: *See*—
Rappl, A. and Horton, assignors.

Trindl, John C., Chicago, Ill. Mop structure. 2,380,128; July 10.

Trojan Powder Company: *See*—
Grim, Forrest D., assignor.

Trott, Eleanor J., executrix: *See*—
Trott, Rolland S.

Trott, Rolland S., deceased, Denver, Colo.: E. J. Trott, executrix. Airplane engine mounting. 2,380,274; July 10.

Tschopp, Jacob T.: *See*—
Bachman, C. H., and Tschopp.

Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,380,204; July 10.

Turner, John R., J. H. McLeod, and G. H. Bullock, assignors to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for polishing glass and like substances. 2,380,275; July 10.

Tydon, Walter, Kenmore, and W. J. Augustine, Hempstead, N. Y., assignors to Curtiss-Wright Corporation. Control operating mechanism. 2,379,999; July 10.

Ulm, Reign C., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Pressure tank. 2,380,089; July 10.

Ulrich, Theodore: *See*—
Deisley, E. J., Ulrich and Lindsay.

Union Carbide and Carbon Corporation: *See*—
Jones, Homer W., assignor.

Union Switch & Signal Company, The: *See*—
Bone, Herbert L., assignor.

United Gas Improvement Company, The: *See*—
Chaney, Newcomb K., assignor.

United Sales Corporation, The: *See*—
Bradley, James A., assignor.

United Shoe Machinery Corporation: *See*—
Clark, Alfred S., assignor.
Knott, Clyde L., assignor.
Newhall, Carl A., assignor.
Willmott, Herbert J., assignor.

United States Rubber Company: *See*—
Meyer, Albert W., assignor.
Valentine, Frank R., Jr., assignor.

Valentine, Frank R., Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,380,129; July 10.

Valentine, Frank R., Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,380,130; July 10.

Valve Pilot Corporation: *See*—
Welden, Fay D., assignor.

Vance, Roy M., and C. A. Damicone, assignors to The General Tire & Rubber Company, Akron, Ohio. Rubber to metal adhesive and making same. 2,379,939; July 10.

Vanderbilt, R. T., Co., Inc.: *See*—
Sproat, Ira E., assignor.

Van Ess, Paul R., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil compositions. 2,380,205; Jan. 10.

Van Ranst, Cornelius W., Dearborn, Mich. Rotary pump. 2,380,283; July 10.

Van Vleck, Horace R., Upper Montclair, N. J. Power take-off. 2,379,940; July 10.

Vaughn, Leonard: *See*—
Doan, D. J., and Vaughn.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Fastener. 2,380,131; July 10.

Vogel, Hilmond O., Chicago, Ill., assignor to International Harvester Company. Distributor for material spreaders. 2,380,347; July 10.

Vree, Louis G.: *See*—
Tack, C. E., and Vree.

Wade, Willard H.: *See*—
Walker, C., and Wade.

Wagstaff, Albert E., Frankfort, assignor to International Heater Company, Utica, N. Y. Joint structure. 2,380,348; July 10.

Walker, Charles, Syracuse, N. Y., and W. H. Wade, Washington, D. C., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Printing machine. 2,379,941; July 10.

Walker-Wallace, Incorporated: *See*—
Wetherby-Williams, Arthur V., assignor.

Wallace, De Loss D., Dayton, assignor to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 2,380,090; July 10.

Walper, Curry O., Kitchener, Ontario, Canada. Footwear. 2,380,349; July 10.

Walther, Lucian E., assignor to James N. Schien, Los Angeles, Calif. Instant heater for liquids. 2,380,132; July 10.

Waltmann, Ernst, and E. Wolf, Krefeld, Germany, assignors to Heberlein Patent Corporation, New York, N. Y. Rendering textiles water-repellent. 2,380,133; July 10.

Walton, Arthur K., and C. E. Chesser, assignors to Newark Stove Company, Newark, Ohio. Magazine feed solid fuel heater. 2,380,000; July 10.

Warner, Wilbur W.: *See*—
Suhr, F. W., and Warner.

Warren Featherbone Co., The: *See*—
Chamberlain, Frederic W., assignor.

Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Welded structure. 2,380,276; July 10.

Warrick, Earl L.: *See*—
McGregor, R. R., and Warrick.

Wash, George: *See*—
Cato, A. Q., Wash, and Shmidl.

Waters, Harry F., New York, N. Y. Preserving foods in flexible-walled fluid-tight bags. 2,380,134; July 10.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Hinge support. 2,380,091; July 10.

Webber, Carroll A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable terminating means. 2,379,942; July 10.

Weightman, William A., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Clamp for draw benches or the like. 2,380,277; July 10.

Weisberg, Mark, Providence, assignor to Bellefont Associates, Cranston, R. I. Coffee product. 2,380,092; July 10.

Weissman, Eugene, Baltimore, Md. Aerial apparatus. 2,380,278; July 10.

Welden, Fay D., Tuckahoe, N. Y., assignor to Valve Pilot Corporation, New York, N. Y. Locomotive booster recorder. 2,380,001; July 10.

Wellworthy Piston Rings Limited: *See*—
Howlett, John W., assignor.

Welty, Albert B., Jr., Mountainside, N. J., assignor to Standard Oil Development Company. Production of aromatics. 2,380,279; July 10.

West, George S., Lynwood, Calif. Pelt stretcher. 2,381,135; July 10.

Western Electric Company, Incorporated: *See*—
Bandur, Adolph F., assignor.
Blaisdell, Charles O., assignor.
Mitchell, Donald H., assignor.
Stuhlfauth, George, assignor.

Westinghouse Electric Corporation: *See*—
Goldsborough, Shirley L., assignor.
Goldsborough, S. L., and Mehring, assignors.
Hoard, Bert V., assignor.
Mehring, Arthur C., assignor.
Mehring, A. C., and Goldsborough, assignors.
Sonnemann, W. K., Mehring, and Goldsborough, assignors.

Wetherby-Williams, Arthur V., New York, assignor to Walker-Wallace, Incorporated, Buffalo, N. Y. Making heat exchangers. 2,380,002; July 10.

Weyerts, Walter J., assignor to Eastman Kodak Company, Rochester, N. Y. Chemical sensitizing of emulsions. 2,380,280; July 10.

Whipple, Willis A., assignor to Chicago Eye Shield Company, Chicago, Ill. Eyeglasses. 2,380,281; July 10.

White, Charles S.: *See*—
Kline, J. E., and White.

White, Ellis R.: *See*—
Van Ess, P. R., and White.
White, Leo D., Schenectady, N. Y., assignor to General Electric Company. Remote signaling system. 2,380,282; July 10.
Whitehead, William, Rye, N. Y., assignor to Celanese Corporation of America. Textile product. 2,380,003; July 10.
Whitney, Joseph W., Conway, Pa. Radio tube extractor. 2,380,136; July 10.
Whitson, John W., New York, N. Y. Card record apparatus. 2,379,943; July 10.
Wilder, Charlton, Cincinnati, Ohio, assignor of fifty per cent to A. Price, University City, Mo. Dispensing machine. 2,380,093; July 10.
Wilderson, Eli, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,380,004; July 10.
Willauer, Earl E., Cranford, and I. P. Jones, Basking Ridge, N. J., assignors to Standard Oil Development Company. Recovery and regeneration of isobutene. 2,380,350; July 10.
Williams, David H., Canfield, Ohio, assignor to R. C. Switzer, South Euclid, and J. L. Switzer, Cleveland Heights, Ohio. Arterial embalming method and arterial embalming fluid. 2,380,351; July 10.
Williams, Harrison L., Huntsville, Ala. Lug strap holder for picker sticks. 2,380,352; July 10.
Williamson, Charles D., Fort Worth, Tex. Fabric and garment construction. 2,380,137; July 10.
Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Drilling machine. 2,379,944; July 10.
Willner, Burton, Chicago, Ill. Defrosting device for goggles. 2,380,353; July 10.
Wilson, John M.: *See*—
Beam, V. O., and Wilson.
Wilson, William E., Los Angeles, Calif. Revolving shelving for refrigerators and the like. 2,380,005; July 10.
Winnek, Philip S., Riverside, and H. E. Faith, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing sulphanilyl guanidine. 2,380,006; July 10.
Winslow, Albert E., Mystic, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Builder motion. 2,380,354; July 10.
Wiser, Guy B., Los Angeles, Calif. Book binding. 2,380,206; July 10.
Withall, Albert P., trustee, et al.: *See*—
Geiger, William A., assignor.
Wolf, Edgar: *See*—
Waltmann, E., and Wolf.
Wolgen Company: *See*—
Eilenberger, Stanley D., assignor.
Woolslayer, Homer J., Tulsa, Okla., assignor to Lee C. Moore & Company, Inc., Pittsburgh, Pa. Oil well derrick structure. 2,380,094; July 10.
Worley, Ernest W., Kansas City, Kans., assignor to Consolidated Razor Blade Co., Inc., Jersey City, N. J. Glider-cradle. 2,380,355; July 10.
Wright Aeronautical Corporation: *See*—
Nereaux, Joseph R., assignor.
Wrigley, Walter: *See*—
Esval, O. E., and Wrigley.
Wrigley, Wm., Jr., Company: *See*—
Ranney, Willet B., assignor.
Wyatt, Raymond A., assignor to Briggs Manufacturing Company, Detroit, Mich. Speed control governor. 2,379,945; July 10.
Youker, Mortimer A., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Interpolymers of vinylidene halides and 1,3-dienes and producing the same. 2,380,356; July 10.
Young, David W.: *See*—
Evans, H. C., and Young.
Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cleaning ferrous metal articles. 2,380,284; July 10.
Young Radiator Company: *See*—
Shaw, J. C., and Kidd, assignors.
Young, W. Chase, et al., trustees: *See*—
Emerson, Arthur J., assignor.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraph switching system. 2,380,007; July 10.
Zieboiz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Follow-up device, more particularly for machine tools. 2,380,357; July 10.
Ziegler, Paul F.: *See*—
Morrison, D. E., and Ziegler.

LIST OF DESIGN INVENTIONS

Bank Savings. L. Ditchik. 141,813; July 10.
Beverage dispensing unit. R. Yuza and J. W. Srodulski. 141,843; July 10.
Billfold. W. A. Pence and L. S. Spielmann. 141,836; July 10.
Box or similar article, Ornamental. E. Norman. 141,848; July 10.
Brush or the like, Fountain. W. C. Marsh. 141,833; July 10.
Caliper or similar article. S. G. Smith. 141,865; July 10.
Camera. G. L. Israel. 141,846; July 10.
Cap, Container. P. A. Derham. 141,861; July 10.
Cap remover and cork screw, Combination bottle. M. A. C. Johnson. 141,817; July 10.
Chair. J. Risom. 141,839; July 10.
Coat. P. Graber. 141,830; July 10.
Compact. D. A. Witt. 141,860; July 10.
Cooker or the like, Pressure. W. A. Kendall. 141,818–20; July 10.
Cover or similar article, Luggage. M. L. Diskin. 141,828; July 10.
Dart game chart. A. W. Rehberger. 141,864; July 10.
Dress. L. Asteroff. 141,853; July 10.
Dress and pantaloons, Combined evening. C. Phillips. 141,837; July 10.
Dress and underskirt, Combined evening. C. Phillips. 141,838; July 10.
Faucet spray and escutcheon plate, Combined. B. N. Trombley. 141,842; July 10.
Fishing reel frame. S. G. Hirsch. 141,815; July 10.
Frame, Goggle. J. Brunetti. 141,844; July 10.
Frame or the like, Picture. G. Evans. 141,862; July 10.
Furnace, Hot-air. R. E. Deming. 141,826; July 10.
Handle for suitcases or similar articles. L. G. Stone. 141,852; July 10.
Hanger, Garment. I. Salesky. 141,849; July 10.
Heater, Portable electric. W. E. Maxson, Jr. 141,834; July 10.
Jacket. L. Asteroff. 141,854; July 10.
Knob for stoves or the like, Gas control. D. E. Stewart. 141,840; July 10.
Lens panel for lighting fixture. W. M. Adrian. 141,822; July 10.
Lighter, Cigar and cigarette. B. H. Gostkowski. 141,829; July 10.
Microscope, Electron. R. Holley. 141,832; July 10.
Opener, Bottle. M. A. C. Johnson. 141,816; July 10.
Pen, Fountain. M. Ullman. 141,859; July 10.
Pencil, Mechanical. M. Ullman. 141,858; July 10.
Pen-cil, Rolling. J. J. Sanders. 141,850; July 10.
Pin, Lapel. I. A. Lipman. 141,847; July 10.
Pin or similar article, Brooch. W. W. Hobé. 141,845; July 10.
Plaque unit for articulated fabric or similar article. R. Appel. 141,823; July 10.
Rack, Sewing. R. G. Presley. 141,863; July 10.
Rheostat. D. Di Stadio. 141,827; July 10.
Shelf, Wall. C. Daum. 141,824; July 10.
Stand, Clothes. L. Schweitzer. 141,851; July 10.
Stoker. R. F. Graham. 141,831; July 10.
Stove, Cooking. B. N. Trombley. 141,841; July 10.
Table or similar article. M. Eisen. 141,857; July 10.
Table top, Card. B. H. Dawson and W. L. Adams. 141,825; July 10.
Teapot. R. Ganz. 141,814; July 10.
Tire. G. W. Walker. 141,821; July 10.
Toolholder. H. C. Muhlbach. 141,835; July 10.
Toy. J. Bunnell. 141,855; July 10.
Toy, Child's. J. Bunnell. 141,856; July 10.
Toy rattler. G. W. Delano. 141,809–12; July 10.
Toy train. L. L. Covey. 141,808; July 10.
Wall material unit or the like, Decorative. W. Burton. 141,866–9; July 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Nucleic. L. Laufer. 2,379,912; July 10.
Adhesive and method of making same, Rubber to metal. R. M. Vance and C. A. Damicone. 2,379,939; July 10.
Adhesives. A. M. Howald. 2,380,239; July 10.
Adjustable transformer regulator. P. W. Robinson. 2,380,265; July 10.
Aerial apparatus. E. Weissman. 2,380,278; July 10.
Aerial, Directional. P. P. Gamet. 2,380,229; July 10.
Aircraft construction. W. H. Schwebel. 2,380,336; July 10.
Airplane. O. W. Boyea. 2,379,875; July 10.
Airplane engine mounting. R. S. Trott. 2,380,274; July 10.
Airplane landing and retarding apparatus. O. Gerrard. 2,380,105; July 10.
Alloy: *See*—
Magnesium base alloy.
Amplifier system. F. K. Floyd. 2,379,897; July 10.
Amusement device for registering emotion. S. D. Eilenberger. 2,379,955; July 10.
Anchor. J. K. Northrop. 2,380,119; July 10.
Anchoring means for foundation garments. E. R. Sutter. 2,380,272; July 10.
Angle of incidence of radio waves, Determining vertical. E. L. Kilpatrick. 2,379,909; July 10.
Antioxidant. A. W. Sloan. 2,379,936; July 10.
Antioxidants. F. R. Valentine, Jr. 2,380,129–30; July 10.
Apparatus for analyzing recorded data. H. D. Giffen. 2,380,231; July 10.
Apparatus for article working. C. O. Blaisdell. 2,380,212; July 10.
Apparatus for bonding one article to another. G. Stuhlfauth. 2,380,269; July 10.
Apparatus for drawing perspectives. R. J. Robinson. 2,380,073; July 10.
Apparatus for effecting catalytic reactions. P. C. Keith and M. M. Perkins. 2,380,245; July 10.
Apparatus for forming plastic objects. P. S. Hauton. 2,380,042; July 10.
Apparatus for heating air or other fluid. F. Thomlinson. 2,380,346; July 10.
Apparatus for introducing a coolant into grinding wheels. H. J. Scheer. 2,380,332; July 10.
Apparatus for measuring the distance between visual axes of the eyes and for determining vertical imbalance of the eyes or eyeglass lenses. H. C. Rees. 2,380,263; July 10.
Apparatus for producing composition brake lining material in transversely groove strip form. T. L. Garke. 2,380,230; July 10.
Apparatus for the manufacture of finned structures. L. U. Larkin. 2,379,973; July 10.
Apparatus for use in evaluating gas reservoirs. J. P. Sloan. 2,380,082; July 10.
Aromatic hydrocarbons, Production of. K. C. Edson and F. E. Fisher. 2,380,035; July 10.
Aromatics, Production of. A. B. Welty, Jr. 2,380,279; July 10.
Arterial embalming method and arterial emblaming fluid. D. H. Williams. 2,380,351; July 10.
Asymmetric quartenary ester-salts of morpholine. J. B. and V. Niederl, and M. McGreal. 2,380,325; July 10.
Attachment for scissors or shears. E. Rose. 2,380,075; July 10.
Automatic compressor regulator. J. R. Frantz. 2,380,226; July 10.
Automatic infeed and ejecting attachment for grinding machines. J. E. Heckethorn, A. B. Bourg, and E. J. Leonard. 2,379,961; July 10.
Automatic work feeding attachment for drill presses. O. C. Kavle. 2,380,314; July 10.
Azeotropic distillation. W. J. Bloomer. 2,380,019; July 10.
Ball and making same, Inflatable athletic. T. W. Smith, Jr. 2,380,370; July 10.
Band for pipe joints, Welding. E. C. Planett. 2,380,071; July 10.
Banding machine. E. C. Sloan. 2,379,937; July 10.
Battery opening apparatus. J. R. Price. 2,380,329; July 10.
Bearing: *See*—
Thrust bearing.
Bearing. H. N. Parsons. 2,380,327; July 10.
Bearing device, Spherical self-alignment. V. S. Collito. 2,380,150; July 10.
Belt guiding mechanism, Metal. L. A. Cundall. 2,380,221; July 10.

Bicycle carrier. F. W. Schwinn. 2,379,994; July 10.
Binding, Book. G. B. Wiser. 2,380,206; July 10.
Biological substances, Method and apparatus for reserving. H. A. Siedentopf. 2,380,339; July 10.
Blood testing apparatus. C. J. Guthrie. 2,380,168; July 10.
Blowtorch. H. W. Jones. 2,379,967; July 10.
Boat. F. P. Cortese. 2,380,220; July 10.
Boat construction. C. H. Clement, Jr. 2,379,883; July 10.
Body maker, Can. N. Geertsen. 2,379,898; July 10.
Body maker, Can. J. F. Peters. 2,379,920; July 10.
Bowling alley. H. Sebell. 2,380,337; July 10.
Box: *See*—
Jewelry box.
Stuffing box.
Brake mechanism, Adapter. H. T. Lambert. 2,379,972; July 10.
Bridge and hanger system. G. A. Maney. 2,380,183; July 10.
Builder motion. A. E. Winslow. 2,380,354; July 10.
Burner control device. V. O. Beam and J. M. Wilson. 2,379,871; July 10.
Cable: *See*—
Heavy-duty control cable.
Cable terminating means. C. A. Webber. 2,379,942; July 10.
Calculating machine. E. F. Britten, Jr. 2,379,877; July 10.
Calculator, Interest. Q. M. Kline. 2,380,318; July 10.
Camera copy and preparing same, Media for use in making. M. D. McIntosh. 2,379,915; July 10.
Camera magazine. I. W. Doyle. 2,380,034; July 10.
Cap: *See*—
Hood closure cap.
Card record apparatus. J. W. Whitton. 2,379,943; July 10.
Cargo carrying airplane. V. J. Burnelli. 2,380,290; July 10.
Carrier: *See*—
Bicycle carrier.
Cartridge feeding mechanism. C. D. Spagnolo. 2,380,083; July 10.
Case: *See*—
Refrigerated display case.
Cast metal bodies, Method and apparatus for producing. R. K. Hopkins. 2,380,238; July 10.
Castings, Manufacture of. P. T. Stroup and G. F. Sager. 2,380,201; July 10.
Cellulose derivatives, Production of. H. Dreyfus. 2,380,157; July 10.
Centrifugal. A. H. Schutte. 2,379,993; July 10.
Centrifugal separator. W. H. Bath. 2,380,014; July 10.
Ceramic bodies. I. E. Sproat. 2,380,198; July 10.
Chemical sensitizing of emulsions. W. J. Weyerts. 2,380,280; July 10.
Chute, Spark and slug catching. E. G. O'Connor. 2,380,188; July 10.
Cinder draining and disposal plant. W. C. Richardson. 2,380,264; July 10.
Clamp for draw benches or the like. W. A. Weightman. 2,380,277; July 10.
Clamping mechanism for machine tools. C. E. Linden and R. H. McClellan. 2,380,055; July 10.
Cleaning ferrous metal articles. J. H. Young. 2,380,284; July 10.
Cleaning heat exchanger surfaces. J. Simpson. 2,380,340; July 10.
Cleaning tool. W. F. Hoerle. 2,379,962; July 10.
Cleansing composition. F. E. Pierce. 2,380,259; July 10.
Clip and securing means, Conduit. H. R. Ellinwood. 2,379,893; July 10.
Clothes drying rack. K. E. Luger. 2,379,975; July 10.
Clothes hanger. S. F. Better. 2,380,143; July 10.
Clutch. T. G. Hare. 2,379,901; July 10.
Clutch. W. H. Harstick. 2,380,308; July 10.
Coating, Applying. F. W. Hyman. 2,380,047; July 10.
Coating machine. H. L. Davis. 2,379,951; July 10.
Coaxial impedance element. A. R. D'heedene. 2,379,952; July 10.
Cocoa extract, Preparing a. H. K. Durrenmatt and J. de Schoulepnikow. 2,380,158; July 10.
Coffee product. M. Weisberg. 2,380,092; July 10.
Coil. T. Tognola. 2,380,203; July 10.
Collapsible vehicle. T. R. Black. 2,380,016; July 10.
Color photography. G. L. Dorough and D. M. McQueen. 2,380,032; July 10.
Compass for aircraft trainers, Directional. C. I. Baker. 2,379,869; July 10.

Conductive plastic. B. H. Maddock. 2,379,976; July 10.
Conduit closure. C. H. Chapman and C. P. Griffith. 2,380,217; July 10.
Container: *See*—
Cosmetic container.
Control for airplanes, Trimmer tab. J. Martin. 2,379,977; July 10.
Control mechanism, Window. J. H. Roethel. 2,379,922; July 10.
Control operating mechanism. W. Tydon and W. J. Augustine. 2,379,999; July 10.
Conversion system, Hydrocarbon. E. A. Johnson. 2,379,966; July 10.
Conveying apparatus. P. R. Hornbrook. 2,380,310–11; July 10.
Conveying means. L. S. Harber. 2,380,172; July 10.
Cooling device for metal rectifiers. C. A. Clarke. 2,380,026; July 10.
Cooling fins to tubular members, Forming and applying. W. B. Bronander. 2,379,879; July 10.
Copper article, Rubber covered. A. W. Meyer. 2,379,978; July 10.
Corset-type garment. A. Roth. 2,380,266; July 10.
Cosmetic container. O. B. Sherman. 2,380,338; July 10.
Coupler supporting and centering device. M. P. Blomberg and J. M. Smidl. 2,380,018; July 10.
Coupling: *See*—
Flexible coupling.
Pipe coupling.
Cover for the dials of instruments and the like. D. B. Browne and R. H. G. Painter. 2,379,861; July 10.
Crane, Heavy-duty portable. O. R. Peterson 2,380,069; July 10.
Crankshaft. J. Dusevoir. 2,380,099; July 10.
Crayon, Marking. F. A. Sturn. 2,380,126; July 10.
Crop header, Row. C. M. Flook 2,380,161; July 10.
Crystallizing apparatus. H. H. Feldstein. 2,379,895; July 10.
Cutter: *See*—
Thread cutter.
Cyanomethyl cinnamates. D. T. Mowry. 2,380,063; July 10.
Cyanomethyl crotonates. D. T. Mowry. 2,380,062; July 10.
Cyanomethyl esters of dicarboxylic acids. D. T. Mowry. 2,380,061; July 10.
Damper, Vibration. W. F. Bankauf. 2,380,013; July 10.
Defrosting device for goggles. B. Willner. 2,380,353; July 10.
Depth charge projector. C. P. Caulkins. 2,380,023; July 10.
Desiccation of citrus fruit juices. E. W. Flosdorf. 2,380,036; July 10.
Detonating tube. C. R. Johnson. 2,380,312; July 10.
Device for computing compound angles. J. M. Petrov. 2,380,070; July 10.
Device for holding tension test bars. J. C. Crocker. 2,380,027; July 10.
Device for honing spiral grooves. J. E. Kline and C. S. White. 2,380,317; July 10.
Device for use in zeroing dummy rifles and other dummy firearms used for training marksmen. Zygmunt de Lubicz-Bakanowski and F. J. Minns. 2,380,296; July 10.
Diesel fuels. W. H. Sowers. 2,380,341; July 10.
Diffusion means for liquid storage tanks, Gas. S. T. Helseth and S. T. Fauver. 2,380,176; July 10.
Directional element, Double-loop four-pole. W. K. Sonnemann, A. C. Mehring, and S. L. Goldsborough. 2,380,197; July 10.
Dispenser: *See*—
Periodical dispenser.
Dispensing machine. C. Wilder. 2,380,093; July 10.
Distributor for material spreaders. H. O. Vogel. 2,380,347; July 10.
Doll, Umbrella. M. C. Hawkey. 2,380,175; July 10.
Door operating device, Inertia. L. F. Schoelkopf. 2,380,334; July 10.
Double acting reciprocating air motor. R. R. Kilian. 2,380,315; July 10.
Double-loop directional element. S. L. Goldsborough. 2,380,165; July 10.
Dough forming device. E. T. Ersepke. 2,379,956; July 10.
Dowel pin. E. A. Baumbach. 2,380,287; July 10.
Draft control, Method and apparatus for. R. R. McIntosh. 2,379,916; July 10.
Drain valve. J. C. Shaw and E. H. Kidd. 2,379,995; July 10.
Drift indicator. O. E. Esval and W. Wrigley. 2,379,894; July 10.
Drill. C. W. Kinnear. 2,380,112; July 10.
Drill bit support. R. M. Ringler. 2,380,330; July 10.
Drilling machine. H. J. Willmott. 2,379,944; July 10.
Drive for cutting tools, Simplified. J. R. Nereaux. 2,379,984; July 10.
Drive for vehicles. C. F. Ball. 2,380,012; July 10.
Driving and testing mechanism, Stud. W. B. Bronander. 2,379,878; July 10.
Dry dock and pumping apparatus, Floating. F. R. Harris. 2,379,902; July 10.
Dry-shaving apparatus. V. and W. Kobler. 2,379,969; July 10.
Duplex balance indicator. A. F. Connery. 2,379,866; July 10.
Duplicating apparatus. E. Wilderson. 2,380,004; July 10.
Dyeing machine. A. J. Emerson. 2,380,100; July 10.
Dyestuffs, Monoazo. J. Scheidegger. 2,380,122; July 10.
Easel back for pictures. R. W. Scheyer. 2,380,076; July 10.
Electric heater. T. P. Kouvallis. 2,380,180; July 10.
Electrical mechanism and wiring circuits therefor. C. E. Armstrong. 2,379,856; July 10.
Electrodeposits, Producing. R. A. Hoffman. 2,380,044; July 10.
Electromagnetic gauge. L. C. Ludbrook. 2,380,251; July 10.
Electron discharge device. B. C. Fleming-Williams. 2,380,225; July 10.
Electronic control apparatus. W. H. Gille. 2,379,872; July 10.
Electronic control device. F. E. Lange. 2,379,873; July 10.
Electrotherapeutic device. M. Crosse and A. Roberts. 2,379,884; July 10.
Emulsions. W. C. Griffin. 2,380,166; July 10.
Endurance testing method and machine, especially for vehicle body bolsters. R. Eksergian. 2,380,159; July 10.
Engine: *See*—
Internal-combustion engine
Engine. W. T. Pfeifer. 2,380,120; July 10.
Engine starting mechanism. R. M. Nardone. 2,380,064; July 10.
Esterification of lignins and lignin-like material. R. M. Dorland and R. M. Boehm. 2,379,890; July 10.
Esters, and making them, Dialkylated silicon. R. R. McGregor and E. L. Warrick. 2,380,057; July 10.
Esters of carboxycellulose. H. F. Mark and S. Siggia. 2,379,917; July 10.
Etherification of lignins and lignin-like material. R. M. Dorland and R. M. Boehm. 2,379,889; July 10.
Ethers, Production of hydroxy. K. E. Marple, E. C. Shokal, and T. W. Evans. 2,380,185; July 10.
Excavating equipment. J. A. Bradley. 2,379,876; July 10.
Excavator. E. W. Austin. 2,380,285; July 10.
Extract, Making coffee. R. Huguenin. 2,380,046; July 10.
Extractor: *See*—
Radio tube extractor.
Eyeglass holder. J. O. Dibert. 2,380,297; July 10.
Eyeglasses. W. A. Whipple. 2,380,281; July 10.
Fabric and garment construction. C. D. Williamson. 2,380,137; July 10.
Fabricating transformers. J. R. Gaston. 2,380,300; July 10.
Facsimile scanner, Continuous. J. V. L. Hogan. 2,379,906; July 10.
Fastener: *See*—
Separable fastener.
Snap fastener.
Fastener. A. Venditty. 2,380,131; July 10.
Feeding and embossing mechanism, Closure. J. E. Sharp. 2,380,194; July 10.
Filler and making same, Activated. H Burrell. 2,380,214; July 10.
Filter. W. H. Sayler. 2,379,930; July 10.
Firing mechanism for firearms. J. W. Norman. 2,380,326; July 10.
Fish lure. L. H. Pecher. 2,380,328; July 10.
Fishhook making machine. W. J. DeWitt, E. L. Ott, and W. B. Runk. 2,379,886; July 10.
Fishing reel construction. F. H. Boor. 2,380,213; July 10.
Flexible coupling. A. Kuhns. 2,380,113; July 10.
Flow control apparatus. C. E. Burt. 2,380,022; July 10.
Fluid manometer system, Null-type. J. R. Hicks. 2,380,177; July 10.
Fluid power transmission mechanism. B. A. Swanson. 2,379,938; July 10.
Fluid turbine, Elastic. E. E. Harris. 2,380,237; July 10.
Fluids for fluid pressure systems. C. E. Allderdice, Jr. 2,379,855; July 10.
Fluorescent lamp mounting. D. J. Biller. 2,380,211; July 10.
Folding, cutting, and packaging assembly, Stamp hinge. C. W. Barnard. 2,379,859; July 10.
Follow-up device, more particularly for machine tools. H. Zicbolz. 2,380,357; July 10.
Food handling apparatus. C. O. Marshall. 2,380,364; July 10.
Food storage equipment. M. N. Robertson. 2,380,121; July 10.
Foot rest. L. C. Martz. 2,380,118; July 10.
Footwear. C. O. Walper. 2,380,349; July 10.
Frame for looms, Heddle. E. Streuli. 2,380,124; July 10.
Friction shock absorber. G. E. Dath. 2,380,028; July 10.
Fuel burning apparatus. R. M. Hardgrove. 2,380,041; July 10.

Fuel, Burning liquid. E. V. Michaud. 2,379,979; July 10.
Fuel injecting means for internal-combustion engines. H. G. Cammer. 2,380,148; July 10.
Furnace: *See*—
Magnesium distillation furnace.
Furnace. C. A. Huwer. 2,380,110; July 10.
Game. M. J. Hilton. 2,380,106; July 10.
Gangway, Laminated. G. H. Messmore. 2,380,060; July 10.
Gas expander, Liquefied. D. R. Douslin. 2,379,953; July 10.
Gas heater. H. Gygi. 2,380,169; July 10.
Gas reservoirs, Evaluating the content of. J. P. Sloan. 2,380,081; July 10.
Gas valve. P. S. Harper. 2,379,854; July 10.
Gauge: *See*—
Electromagnetic gauge. Print trimming gauge.
Gear finishing, Herringbone. R. S. Drummond. 2,380,224; July 10.
Gear for railway cars, Friction draft. W. A. Geiger. 2,380,303; July 10.
Gears, Finishing. H. Ashton. 2,380,208; July 10.
Gears, Shaving. W. S. Praeg. 2,380,261; July 10.
Generator: *See*—
Wind wheel generator.
Germicidal preparation. Z. Baker and B. F. Miller. 2,380,011; July 10.
Glider-cradle. E. W. Worley. 2,380,355; July 10.
Grinder. O. J. Feight. 2,379,957; July 10.
Grinding attachment for lathes. R. A. Schramm. 2,380,335; July 10.
Ground gripping for gun mounts. J. M. J. Riboud. 2,379,991; July 10.
Guide, Window. J. H. Roethel. 2,379,923–7; July 10.
Gum package. W. B. Ranney. 2,380,367; July 10.
Gum solutions, Treating. H. T. Leo, C. C. Taylor, and J. W. Lindsey. 2,380,115; July 10.
Gun, Rocket. E. F. Chandler. 2,380,024; July 10.
Gyroscopic angular velocity indicator. L. N. Schwien. 2,380,079; July 10.
Hair curler. W. S. Dickerson. 2,380,154; July 10.
Hand loom. D. W. Greenwood. 2,380,233; July 10.
Handling apparatus, Article. A. A. Kottmann. 2,379,911; July 10.
Hanger: *See*—
Clothes hanger. Outlet box hanger.
Hardened or tanned protein salts, Aqueous dispersions of. G. H. Brother and A. K. Smith. 2,380,020; July 10.
Harrow. J. V. Dyrr. 2,380,298; July 10.
Harvesting machine. H. R. Scott. 2,380,193; July 10.
Heat exchange device. P. H. Schoepflin, C. N. Deverall, and R. C. Stutz. 2,379,932; July 10.
Heat exchangers, Making. A. V. Wetherby-Williams. 2,380,002; July 10.
Heat-treating process and apparatus. T. E. Lloyd. 2,380,056; July 10.
Heater: *See*—
Electric heater. Magazine feed solid fuel heater.
Gas heater.
Heater for liquids, Instant. L. E. Walther. 2,380,132; July 10.
Heavy-duty control cable. E. W. Batterson and E. A. Midling. 2,380,015; July 10.
Helically wound body. W. Kasten. 2,380,111; July 10.
High frequency antenna. M. W. Scheldorf. 2,380,333; July 10.
High pressure distillate samples, Obtaining. R. J. Sullivan and J. Miller. 2,380,271; July 10.
High-speed relay. B. V. Hoard. 2,379,905; July 10.
Hinge support. M. Watter. 2,380,091; July 10.
Holder: *See*—
Eyeglass holder. Spool holder.
Holder for picker sticks, Lug strap. H. L. Williams. 2,380,352; July 10.
Holder for razor blades. C. W. Caldwell. 2,379,863; July 10.
Hood closure cap. C. W. Goodwin and H. W. Martin. 2,379,959; July 10.
Hydraulic device. F. S. Carver. 2,379,949; July 10.
Hydraulic draw press. R. E. Davis. 2,380,153; July 10.
Hydraulic valve adjusting means. E. W. Kettering. 2,380,051; July 10.
Hydrocarbon and preparation, Sulpherized. J. A. Reid. 2,380,072; July 10.
Hydrocarbon condensation process. H. J. Hall. 2,380,234; July 10.
Hydrocarbon conversion. P. M. Arnold. 2,380,010; July 10.
Hydrocarbon treatment. S. C. Fulton and T. Gross, Jr. 2,380,228; July 10.
Illumination of rooms. L. Schwarzmayr. 2,379,933; July 10.
Impedance-relay or the like, Loop-type. S. L. Goldsborough. 2,380,164; July 10.
Impregnation of lime with carbon. A. J. Abrams and L. B. Cook. 2,380,008; July 10.
Indicator: *See*—
Drift indicator.
Gyroscopic angular velocity indicator.
Inhaler. J. A. La Bille. 2,380,182; July 10.
Inhibiting hydrochloric acid against corrosiveness to ferrous metals. T. B. McCulloch. 2,380,254; July 10.
Ink compositions. I. C. Clare. 2,379,950; July 10.
Instrument, Plotting. T. P. Flynn and A. J. Kramer. 2,380,103; July 10.
Internal-combustion engine. C. S. Goby. 2,380,163; July 10.
Internal-combustion engine. R. Pateras Pescara. 2,380,066; July 10.
Interpolymers of asymmetrical dichloroethylene. H. W. Arnold and G. L. Dorough. 2,380,009; July 10.
Interpolymers of vinylidene halides and 1,3-dienes and producing the same. M. A. Youker. 2,380,356; July 10.
Isocyanates, Organic. E. Burgoine, B. Collie, and R. G. A. New. 2,379,948; July 10.
Jack: *See*—
Load indicating hydraulic.
Jewelry box. P. B. Koller, Jr. 2,380,052; July 10.
Jig, Drilling. F. H. Cameron. 2,380,291; July 10.
Joint or section of elastic fabric, Bonded. D. E. Morrison and P. F. Ziegler. 2,380,365; July 10.
Joint structure. A. E. Wagstaff. 2,380,348; July 10.
Justifying typewriter. V. Bush. 2,379,862; July 10.
Lacquer, Cellulosic. J. G. Little. 2,379,974; July 10.
Lead oxide, Manufacture of. D. J. Doan and L. Vaughn. 2,380,096; July 10.
Lens system. R. N. Carter. 2,380,216; July 10.
Level indicating device, Liquid. H. P. Kuehni. 2,380,249; July 10.
Lifesaving suit. H. Holding. 2,379,963; July 10.
Light polarizer and manufacture. E. H. Land and R. P. Blake. 2,380,363; July 10.
Liquid coated compositions, coated objects, and making same. N. K. Chaney. 2,380,149; July 10.
Load indicating hydraulic jack. H. O. Hem. 2,380,362; July 10.
Loading machine. F. D. Grim. 2,380,167; July 10.
Lock: *See*—
Screen and door lock.
Lock nut. E. A. Miller. 2,379,980; July 10.
Locomotive booster recorder. F. D. Welden. 2,380,001; July 10.
Loom: *See*—
Hand loom.
Machine for automatically grinding thread gauges and the like. W. J. Bauer. 2,380,286; July 10.
Machine for cutting tubular members into rings. J. W. Howlett. 2,380,178; July 10.
Machine for machining arcuate surfaces. E. Barker. 2,379,870; July 10.
Machine for making radio tube heater elements. A. La France. 2,380,320; July 10.
Magazine feed solid fuel heater. A. K. Walton and C. E. Chesser. 2,380,000; July 10.
Magnetic separator. R. H. Stearns and C. F. Broetzmann. 2,380,342; July 10.
Magnetically biased telephone ringer. L. W. Carroll. 2,380,293; July 10.
Magnesium base alloy. P. T. Stroup and G. F. Sager. 2,380,200; July 10.
Magnesium distillation furnace. H. A. Doerner. 2,379,888; July 10.
Mandrel for bending pipes, Chain. F. G. Sutton. 2,380,344; July 10.
Manufacture of shovels or the like. R. Harte. 2,380,361; July 10.
Measuring element, Compensated. D. O. Bean. 2,379,874; July 10.
Metal bodies, Method and apparatus for casting. R. K. Hopkins. 2,380,109; July 10.
Metals, Granulating. J. P. A. McCoy. 2,380,253; July 10.
Military aircraft. V. J. Burnelli. 2,380,289; July 10.
Mill: *See*—
Wire rolling mill.
Modulating system for frequency multipliers. A. L. Nelson. 2,380,366; July 10.
Mold for binding books. J. J. Krehbiel. 2,379,971; July 10.
Mop structure. J. C. Trindl. 2,380,128; July 10.
Motor: *See*—
Double acting reciprocating air motor. Quick reversing single phase motor.
Motor apparatus, Adjustable-speed polyphase alternating-current. A. G. Conrad. 2,379,867; July 10.
Motor control. E. L. Schwarz. 2,380,268; July 10.
Motor operator. W. E. Edelman. 2,379,954; July 10.
Mounting: *See*—
Airplane engine mounting. Punch mounting.
Fluorescent lamp mounting
Mounting for electric fuses. M. Kurillo. 2,380,114; July 10.
Multiple unit floating dry dock. F. R. Harris. 2,379,904; July 10.
Nut, Lock. R. E. Eggert. 2,389,892; July 10.
Oil components separation, Tall. E. Ott. 2,379,986; July 10.

Oil composition, Lubricating. A. H. Gleason. 2,380,304; July 10.
Oil composition, Lubricating. A. H. Gleason. 2,380,305; July 10.
Oil composition, Lubricating. P. R. Van Ess and E. R. White. 2,380,205; July 10.
Oil purifier, Crankcase. H. H. Cannon. 2,379,864; July 10.
Oil seal puller. C. E. Patton. 2,380,068; July 10.
Oil well derrick structure. H. J. Woolslayer. 2,380,094; July 10.
Operator, Door. W. A. Geiger. 2,380,302; July 10.
Operator, Window. A. Rappl and E. C. Horton. 2,379,989; July 10.
Orienting irregular quartz crystals. D. Harker. 2,380,235; July 10.
Outboard motor stand, Portable. M. Blicker. 2,380,017; July 10.
Outlet box hanger. T. C. Divine. 2,380,155; July 10.
Package. O. E. Seiferth. 2,379,934; July 10.
Packaging method. O. E. Seiferth and E. C. Sloan. 2,379,935; July 10.
Paper and ink therefor, Safety. B. W. Smith. 2,380,195; July 10.
Paper, Grease proof and water repellent. C. A. Hockwalt. 2,380,043; July 10.
Pedal rod mounting or the like. A. Claud-Mantle. 2,380,218; July 10.
Peeling machine, Bark. G. B. Jones. 2,380,049; July 10.
Perforator, Gun. G. F. Turechek. 2,380,204; July 10.
Periodical dispenser. J. Tait. 2,380,345; July 10.
Phonograph. E. W. Franck and H. E. Reeves. 2,380,037; July 10.
Phonograph and projector, Combined. L. Lowy. 2,380,250; July 10.
Photographic elements containing polyvinylacetal color formers. G. L. Dorough and D. M. McQueen. 2,380,033; July 10.
Picking mechanism. W. Hamilton. 2,380,170; July 10.
Pipe coupling. E. W. Rembert. 2,379,990; July 10.
Plow. J. Morkoski. 2,380,323; July 10.
Pneumatic power device. E. David. 2,380,152; July 10.
Pocket, Foundation garment bust. S. Stein. 2,380,199; July 10.
Polisher. G. J. Soderberg. 2,379,997; July 10.
Polishing glass and like substances, Method and apparatus for. J. R. Turner, J. H. McLeod, and G. H. Bullock. 2,380,275; July 10.
Polymerization of olefins. J. Anderson, W. H. Peterson, and S. H. McAllister. 2,380,358; July 10.
Pontoon unit for floating dry docks. F. R. Harris. 2,379,903; July 10.
Positioning means. C. H. Bachman and J. T. Tschopp. 2,380,209; July 10.
Pothead. J. S. Jammer. 2,380,048; July 10.
Power plant, Steam. A. Doble. 2,379,887; July 10.
Power take-off. H. R. Van Vleck. 2,379,940; July 10.
Power transmitting apparatus. D. E. Jewitt. 2,380,243; July 10.
Preparation of aromatic nitrocompounds. M. C. Knake. 2,380,246; July 10.
Preserving foods in flexible-walled fluid-tight bags. H. F. Waters. 2,380,134; July 10.
Press: *See*—
Hydraulic draw press.
Pressure tank. R. C. Ulm. 2,380,089; July 10.
Print trimming gauge. R. A. Ruth. 2,380,267; July 10.
Printing machine. F. C. Marquardt. 2,380,322; July 10.
Printing machine. C. D. Ryan and E. P. Drake. 2,280,331; July 10.
Printing machine. C. Walker and W. H. Wade. 2,379,941; July 10.
Processing of molasses and the like. A. M. Thomsen. 2,380,087; July 10.
Protective device. D. D. MacCarthy. 2,380,255; July 10.
Protein from waste material, Separating. E. R. Rushton. 2,379,929; July 10.
Puller: *See*—
Oil seal puller.
Pulverizing and classifying apparatus. H. G. and W. H. Lykken. 2,380,321; July 10.
Pump: *See*—
Rotary pump.
Pump. H. H. Bohannon. 2,380,144; July 10.
Pump seal construction. R. R. Curtis. 2,379,868; July 10.
Punch and die and retainer for same, Interchangeable. D. V. Stellin. 2,380,343; July 10.
Punch mounting. J. A. Smith. 2,380,123; July 10.
Push-off device. W. Strauss. 2,380,084; July 10.
Quick reversing single phase motor. F. W. Suhr and W. W. Warner. 2,380,270; July 10.
Rack: *See*—
Storage rack.
Radio communication system. C. W. Hansell. 2,379,899; July 10.
Radio signaling system, Multichannel. N. R. Bligh, D. M. Heller, and L. C. Stenning. 2,380,288; July 10.
Radio tube extractor. J. W. Whitney. 2,380,136; July 10.
Railway car structure. W. J. Tangerman. 2,380,086; July 10.
Railway switch operating apparatus. H. L. Bone. 2,380,145; July 10.
Rake, Dump. A. E. Rutter. 2,380,190; July 10.
Rattle. V. D. Desmond. 2,380,368; July 10.
Reamer, Automatic. H. A. Doerner. 2,380,098; July 10.
Receiving system. C. W. Hansell. 2,379,900; July 10.
Receptacle and wall plug, Outlet. A. M. David. 2,380,151; July 10.
Recovery and regeneration of isobutene. E. E. Willauer and I. P. Jones. 2,380,350; July 10.
Rectifier. G. H. Shoemaker. 2,380,080; July 10.
Reel, Harvester. W. H. Harrison. 2,380,173; July 10.
Refrigerated display case. R. E. Davis. 2,379,885; July 10.
Refrigerating apparatus. W. A. Kuenzli. 2,380,053; July 10.
Refrigerating apparatus. C. H. Nauert. 2,380,256; July 10.
Refrigeration. J. Davidson. 2,380,029; July 10.
Register, Cash. W. J. Pasinski. 2,380,257–8; July 10.
Regulator: *See*—
Adjustable transformer regulator. Watch and clock regulator.
Automatic compressor regulator.
Relay, Universal high-speed directional. A. C. Mehring. 2,380,187; July 10.
Repair apparatus for vehicles. A. E. W. Johnson, J. Orelind, and H. P. Smith. 2,380,313; July 10.
Resin and making the same, Oil-soluble. A. Haroldson. 2,380,307; July 10.
Resin, Rosin modified phenol-aldehyde. R. F. Schlaanstine. 2,380,192; July 10.
Resins, Hydrogenated ketone. S. A. Ballard and V. E. Haury. 2,380,142; July 10.
Retaining device for sewing machines, Thread case. A. S. Clark. 2,379,882; July 10.
Rotary pump. C. W. Van Ranst. 2,380,283; July 10.
Rotor. C. E. Tack and L. G. Vree. 2,380,085; July 10.
Rubber compositions, Stabilized. H. C. Evans and D. W. Young. 2,380,299; July 10.
Rubber compositions, Synthetic. K. E. Marple. 2,380,184; July 10.
Runner for baby carriages, Snow. C. E. Germain. 2,380,162; July 10.
Safety control for fuel burners. C. K. Strobel. 2,30,125; July 10.
Safety device for firearms. R. H. Baker. 2,379,946; July 10.
Salts of polyhydroxyalkyldithiocarbamic acids and their preparation, Metal. M. Hunt. 2,379,965; July 10.
Sampler of granular material. D. A. Pizzirani, F. M. Gould and S. Z. Avedikian. 2,379,921; July 10.
Scouring and polishing machine, Needle. W. McLucas. 2,380,058; July 10.
Scraper. A. J. Brown and J. B. Silva. 2,380,021; July 10.
Scraper for pots, pans, and the like. B. S. Mayer. 2,380,186; July 10.
Screen and door lock, Safety window. J. H. Koebel. 2,379,970; July 10.
Seal and drive construction, Pump. R. R. Curtis and R. L. Gates. 2,380,222; July 10.
Seat for invalid transfer devices. M. M. Farmer. 2,380,102; July 10.
Securing device. F. A. Ballou, Jr. 2,380,359; July 10.
Selenium elements, Manufacture of. A. J. Miller and E. P. Sauerborn. 2,379,919; July 10.
Sensitometry. L. A. Jones, C. N. Nelson and L. D. Clark. 2,380,244; July 10.
Separable fastener. G. H. Hufferd. 2,380,240; July 10.
Separator: *See*—
Magnetic separator. Sludge separator.
Sewage treatment system. C. W. Chase. 2,380,025; July 10.
Sheet material, Adhesive. E. S. Hole. 2,379,964; July 10.
Sheller, Corn. C. F. Crumb and E. R. Gerber. 2,380,295; July 10.
Shelving for refrigerators and the like, Revolving. W. E. Wilson. 2,380,005; July 10.
Shock absorber. C. Sauzedde. 2,380,191; July 10.
Shoe cap of plastic material, Attachable. J. Karp. 2,380,050; July 10.
Shoe construction. W. Braun. 2,380,146; July 10.
Signaling system, Remote. L. D. White. 2,380,282; July 10.
Skip hoist control. G. Fox. 2,379,958; July 10.
Slashing platforms and insoles. L. G. Freeman, Jr. 2,380,227; July 10.
Slide-lock device. E. C. Deal. 2,380,030; July 10.
Slitter, Weld rod. N. Hubbard. 2,379,907; July 10.
Slitting machine, Meat. J. P. Spang. 2,380,371; July 10.
Sludge separator. H. A. Doerner. 2,380,097; July 10.
Snap fastener. W. H. Fitzgerald, Jr. 2,379,896; July 10.
Soldered or lead tool. H. Abramson. 2,380,138; July 10.
Solenoid initiating mechanism for machine guns or other devices. LaV. E. Quinnell and J. C. Koonz. 2,380,262; July 10.

Solid material, Treating and removing finely divided. J. C. Munday. 2,380,324; July 10.
Solvents, Purification of extracting. C. M. Ambler. 2,380,139; July 10.
Spectacles. D. Rosenheim. 2,379,928; July 10.
Speed control governor. R. A. Wyatt. 2,379,945; July 10.
Spinning machine control. J. J. Burke. 2,380,147; July 10.
Spool holder. J. Maldonado. 2,380,117; July 10.
Spotlamp. G. E. Gravenstine. 2,380,040; July 10.
Spray coating composition. C. H. Clinton. 2,380,219; July 10.
Sprinkler. Constant pressure. O. H. Englehart. 2,380,101; July 10.
Stand: *See*—
Outboard motor stand.
Stapling mechanism. A. C. Lind. 2,380,116; July 10.
Steel alloys. C. B. Post and M. C. Fetzer. 2,379,988; July 10.
Step stand, Propelled and steered. R. W. Fieroh. 2,380,160; July 10.
Stereoscopic apparatus. H. J. Tickell. 2,380,088; July 10.
Stiffening material. F. W. Chamberlain. 2,379,881; July 10.
Stoker. J. M. Pilcher and F. F. Dennis. 2,380,260; July 10.
Storage and conveying apparatus, Ash. F. L. Stokoe. 2,379,998; July 10.
Storage rack. E. E. Kintz. 2,380,316; July 10.
Stretcher, Pelt. G. S. West. 2,380,135; July 10.
Stuffing box. J. P. Ratigan. 2,380,189; July 10.
Sugars, Recovery of rare. L. Laufer and J. Charney. 2,379,913–14; July 10.
Sulphanilyl guanidine, Preparing. P. S. Winnek and H. E. Faith. 2,380,006; July 10.
Support: *See*—
Drill bit support. Travelling work support.
Hinge support.
Support for pendant ornaments. W. Gebauer. 2,380,104; July 10.
Suspend the structure of a vehicle on its wheels, Means to. V. Bogatich. 2,379,860; July 10.
Switchboard system. L. F. Porter. 2,379,987; July 10.
Tank: *See*—
Pressure tank.
Tapered end strand mass. J. H. Garrott. 2,380,038; July 10.
Tartaric acid values, Preparations of. S. Soltzberg. 2,380,196; July 10.
Telecentric lens system. H. F. Bennett. 2,380,210; July 10.
Telegraph code converter. A. F. Connery and E. R. C. Coe. 2,379,865; July 10.
Telegraph switching system. W. J. Zenner. 2,380,007; July 10.
Telegraph system. F. S. Kinkead. 2,379,910; July 10.
Telegraph system, High-speed. H. A. Burgess. 2,379,880; July 10.
Telemetering system and apparatus. R. G. Jewell. 2,380,242; July 10.
Telephone objective. G. H. Aklin. 2,380,207; July 10
Telephone or like system. C. Gillings and P. E. A. Cowley. 2,380,232; July 10.
Testing apparatus, Stop watch. W. O. Bennett, Jr. 2,380,360; July 10.
Testing device. A. F. Bandur. 2,379,947; July 10.
Testing the dynamic balance of wheels. H. G. Holmes. 2,380,108; July 10.
Textile product. W. Whitehead. 2,380,003; July 10.
Textiles waterrepellant. Rendering. E. Waltmann and E. Wolf. 2,380,133; July 10.
Thermal treatment. P. T. Stroup. 2,380,202; July 10.
Thread cutter. W. B. Johnson. 2,379,908; July 10.
Three-magnet double-loop directional relay. A. C. Mehring and S. L. Goldsborough. 2,379,918; July 10.
Thrust bearing. M. W. Huber. 2,380,179; July 10.
Time indicating mechanism. N. Hammer. 2,380,171; July 10.
Tool: *See*—
Cleaning tool. Turning tool.
Toy. K. E. Haselton. 2,380,174; July 10.
Toy, Bandalore. P. Gavriles. 2,380,301; July 10.
Toy rocket chute. W. E. Dodds. 2,380,223; July 10.
Toy, Sounding. K. W. Taplin. 2,380,273; July 10.
Toy telephone, Candy containing. J. H. Millstein. 2,379,981; July 10.
Trailer house, Collapsible. B. Hope-Johnson, Jr. 2,380,045; July 10.
Transfer mechanism. H. T. Hallowell, Jr. 2,380,306; July 10.
Translating device, Sound. H. Eckardt. 2,379,891; July 10.
Transmission, Fluid flywheel. C. R. Roche. 2,380,074; July 10.
Transmitting system. D. Silverman. 2,379,996; July 10.
Trap. E. H. Tomey. 2,380,127; July 10.
Travelling work support. H. H. Harris. 2,379,960; July 10.
Treating and blending heating oils. A. Q. Cato, G. Wash, and A. J. Shmidl. 2,380,294; July 10.
Treatment of cashew nut shell liquid and the resulting product. R. E. Kremers. 2,380,319; July 10.
Treatment of paper machine waste water. G. A. McBride. 2,380,252; July 10.
Trigger, Safety gun. E. A. Anderson. 2,380,140; July 10.
Trimming machine. C. L. Knott. 2,379,968; July 10.
Trinitrotoluene. C. E. Olsen. 2,380,247; July 10.
Trinitrotoluene, Purification of. M. F. Acken and R. M. Cavanaugh. 2,380,248; July 10.
Truck. D. H. Mitchell. 2,379,982; July 10.
Tube: *See*—
Detonating tube.
Tube testing device. W. De Verter. 2,380,095; July 10.
Tubing. R. H. Hobrock. 2,380,107; July 10.
Turning tool. V. W. Gideon. 2,380,039; July 10.
Valve: *See*—
Drain valve. Gas valve.
Valve gear mechanism. E. A. Nix. 2,380,369; July 10.
Vehicle stabilizer. L. E. Hicks. 2,380,309; July 10.
Vehicle structure, especially vehicle front end structure. E. J. Deisley, T. Ulrich, and A. R. Lindsay. 2,380,031; July 10.
Viewing system. E. E. Jelley and H. C. Staehle. 2,380,241; July 10.
Voltage drop calculator. H. Schaevitz. 2,379,931; July 10.
Washing machine. D. A. Meeker. 2,380,059; July 10.
Washing machine. D. D. Wallace. 2,380,090; July 10.
Watch. N. Caldara. 2,380,215; July 10.
Watch and clock regulator. L. M. Campau. 2,380,292; July 10.
Wax-oil separation. A. H. Schutte. 2,380,077; July 10.
Wax, Separating. A. H. Schutte. 2,380,078; July 10.
Waxing device, Thread. C. A. Newhall. 2,379,985; July 10.
Welded structure. G. B. Warren. 2,380,276; July 10.
Welding. A. J. Lautmann. 2,380,054; July 10.
Welding mechanism. A. L. Munson. 2,379,983; July 10.
Well drilling. W. M. Dobson, A. L. Frye, and T. A. Griggs. 2,380,156; July 10.
Wheel drive for vehicles, Front. A. T. Krenzien. 2,380,181; July 10.
Winch. H. F. Banzhaf and A. Finlay. 2,379,858; July 10.
Wind wheel generator. O. Bakke. 2,379,857; July 10.
Wire rolling mill. C. L. Patterson. 2,380,067; July 10.
Work supporting and finishing apparatus. A. M. Sasgen. 2,379,992; July 10.
X-ray camera. D. Harker. 2,380,236; July 10.

CLASSIFICATION OF PATENTS

ISSUED JULY 10, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1—	2: 2,380,116	51—	259: 2,380,335	93—	2: 2,379,935	139—	88: 2,380,124	183—	22: 2,380,097	244—	138: 2,380,278
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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THE

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Notice

Under the provisions of Public Law 239, 77th Congress, Approved Aug. 21, 1941 (55 Stat. 657; 35 U. S. C. 42*a*), the optional procedure authorized in regulation 16 will apply to Great Britain and Northern Ireland, to all countries of the British Empire and to Egypt.

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CONDER C. HENRY,
Acting Commissioner of Patents.

Classification Bulletin No. 92

Classification Bulletin No. 92 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adjudicated Patents

(C. C. A. Del.) Frederickson patent, No. 1,828,772, for an electric conductor, *Held* invalid. *Triangle Conduit & Cable Co.* v. *National Elec. Products Corp.*, 149 F.(2d) 87; 65 USPQ 193.

(C. C. A. Del.) Robinson and Moore patent, No. 2,222,555, for an electrical conductor, *Held* invalid. *Id.*

(C. C. A. Del.) Robinson and Moore patent, No. 2,222,556, for an electrical conductor, *Held* invalid. *Id.*

FOREIGN PATENTS RECEIVED in the Scientific Library as of June 30, 1945

Country	Date received	Highest number
Australia	June 28, 1945	119,701
Austria	June 14, 1940	158,700
Czechoslovakia	Mar. 27, 1940	66,500
Denmark	Sept. 3, 1940	57,353
France (*Patents*)	June 4, 1940	853,900
(64 scattered numbers between 826,696 and 889,648 received Feb. 17, 1945)		
(*Additions*)	June 4, 1940	50,350
Germany	Aug. 5, 1941	707,172
Great Britain	Apr. 9, 1945	567,390
Hungary	July 8, 1942	128,400
India	May 31, 1945	31,347
(last 1000 very incomplete)		
Italy	Aug. 22, 1941	382.000
Japan	Aug. 4, 1941	141,060
Netherlands	Feb. 14, 1942	51,484
Norway	July 7, 1942	64,117
Poland	Aug. 30, 1939	28,270
Sweden	Dec. 22, 1941	102,943
Switzerland	Dec. 26, 1942	220,062
(File of Swiss patents very incomplete after Number 219,500.)		

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business June 30, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 62,967; Trade-Mark Division, 2,661. Oldest new case, July 22, 1944; oldest amended, July 21, 1944.)

(The dates given are 1944 except where † indicates 1945)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 25	Nov. 10	918
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 5	Aug. 16	1169
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Sept. 29	Sept. 12	1215
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 27	Dec. 21	681
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 25	July 21	1627
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 9	Nov. 10	1112
7. JARBOE, C. G., Optics, Photography	†Feb. 17	†Feb. 13	929
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 9	†Jan. 1	887
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 21	Oct. 2	1119
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 30	†Feb. 14	329
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 7	Aug. 12	1331
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	†Jan. 5	702
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Jan. 13	†Jan. 1	719
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Oct. 23	Oct. 4	819
16. SPENCER, C. J., Telegraphy; Telephony	Dec. 26	Dec. 26	748
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 29	Aug. 4	573
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 21	1098
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 29	Oct. 7	708
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Dec. 18	†Jan. 19	726
21. THOMPSON, T. J., Textiles	†Jan. 12	†Jan. 5	433
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 1	Nov. 1	1278
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Dec. 6	143
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 11	†Jan. 6	805
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 12	Oct. 14	946
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 14	Oct. 4	1115
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Sept. 6	Sept. 4	961
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 19	Sept. 4	953
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 5	Oct. 4	1443
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 31	Nov. 11	1160
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 9	†Feb. 9	726
32. LESH, Karl R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 21	†Jan. 17	844
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 5	Dec. 9	957
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Oct. 31	Nov. 9	596
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 5	Oct. 3	892
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 12	Nov. 1	668
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 12	Aug. 31	1078
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Oct. 16	Oct. 9	827
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 12	Oct. 21	1181
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 18	Nov. 16	1404
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 14	1498
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Dec. 29	Dec. 28	621
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 31	Oct. 12	755
44. HARVEY, L. P., Refrigeration; Preserving	July 22	July 24	649
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Sept. 15	Nov. 1	1203
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 9	Oct. 9	688
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 29	Dec. 28	976
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Oct. 16	Oct. 16	1129
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 5	†Jan. 11	639
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 30	Nov. 30	1444
51. CROCKER, A. W., Radiant Energy; Modulators	Oct. 19	Oct. 25	1711
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 11	Sept. 25	1471
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 28	Sept. 29	1193
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 7	Aug. 1	1242
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Nov. 16	Nov. 17	797
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 27	Sept. 25	972
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 2	Sept. 23	1004
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 29	Dec. 21	717
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Aug. 12	Aug. 12	1379
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 20	Oct. 21	1022
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology: Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 9	967
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 2	Aug. 28	1756
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Sept. 21	Sept. 20	1206
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 1	†Mar. 1	734
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 24	Aug. 28	1282
Trade-Marks: RICHMOND, F. A.	†Apr. 2	†May 21	2661
Designs: KALUPY, H. H.	†Apr. 25	†May 28	1092

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE TERRES ET AL.

No. 4,961. Decided March 21, 1945

[— F.(2d) —; 65 USPQ 245]

1. APPEAL—TIME FOR APPEAL—RULE 149.

"Section 4912 of the Revised Statutes (U. S. C., title 35, § 60) authorizes the Commissioner of Patents to appoint the time within which an appeal may be taken to the Court of Customs and Patent Appeals, and pursuant to such authorization the time appointed by him for taking an appeal is fixed by rule 149 of the Rules of Practice in the Patent Office."

2. SAME—SAME—SAME.

"Rule 149 was amended, effective September 1, 1941, to provide that if a petition for rehearing or reconsideration is filed within twenty calendar days after the date of the decision of the Board, the notice of appeal may be given and the reasons of appeal filed within fifteen calendar days after the decision on the petition for rehearing or reconsideration, regardless of the time at which action on the petition is taken by the Board."

3. SAME—SAME—SAME.

"Rule 149 limits the time within which an appeal may be taken from a decision of the Board of Appeals to the Court of Customs and Patent Appeals to the forty days in all cases in which no petition for rehearing or reconsideration is filed within twenty days from the date of the decision appealed from."

4. SAME—SAME—SAME.

Where the Board of Appeals affirmed the action of the Examiner on December 30, 1942; appellant on June 17, 1943, filed a petition to the Commissioner to restore jurisdiction to the Board to hear an accompanying petition for reconsideration, which the Commissioner granted; the Board denied the petition for reconsideration on June 29, 1943; and on July 29, 1943, appellant filed a notice of appeal to the Court of Customs and Patent Appeals, *Held* that the appeal was late and the court was without jurisdiction to entertain it, in view of the explicit provision of rule 149 that no petition for rehearing or reconsideration filed more than 20 calendar days after the decision appealed from, nor any proceedings on such petition, shall operate to extend the period of 40 days provided for appeal.

5. SAME—SAME—SAME.

"Assuming, but not holding, that the Commissioner of Patents had authority to restore jurisdiction to the Board and endow appellant's petition with the status of a petition for reconsideration filed within twenty calendar days from the date of the original decision of the Board, nevertheless, fifteen calendar days having expired at the time appellant filed his appeal from the decision of the Board on the petition for reconsideration, this court is likewise without jurisdiction to hear the appeal."

6. SAME—SAME—SAME—ALIEN PROPERTY CUSTODIAN.

Rule 149 *Held* applicable to the Alien Property Custodian.

APPEAL from the Patent Office. Dismissed.

Mr. George A. McNulty, Mr. Bernard F. Garvey and *Mr. George Foulks* (*Mr. A. Matt. Werner* of counsel) for the Alien Property Custodian.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.:*

This is an appeal by the Alien Property Custodian from a decision of the Board of Appeals of the United States Patent Office rejecting an application for the reissue of a patent with broader claims, and denying a subsequent petition for the reconsideration of its action.

The Solicitor for the Patent Office raises the objection that the court is without jurisdiction to hear the appeal and, among other reasons, urges that it be dismissed on the ground that the appeal is barred by the limitation of time provided for in rule 149 of the Rules of Practice in the Patent Office.

Appellant contends that the denial of the petition for reconsideration was in fact a decision on the merits of the application for reissue, which supplemented and reinstated the original decision of the Board, and thereby extended the time for appeal from both decisions to a period within which the appeal was taken.

The import of appellant's argument is that the order of the Commissioner of Patents, which restored jurisdiction to the Board of Appeals to hear appellant's petition for reconsideration after the time had elapsed within which he had a right to file such a petition, operated to extend his time within which to appeal to forty days from the date of the decision of the Board on the petition for reconsideration, as provided for in rule 149, and that having filed his notice of appeal herein thirty calendar days from the date of such decision, jurisdiction was thereby conferred upon this court to hear the appeal.

Appellant contends, moreover, that the limitation of time provided for in rule 149 does not apply to the Alien Property Custodian in a proceeding for the alleged benefit of the public.

The chronology of the proceedings in the Patent Office and facts relating to the issue, briefly outlined, disclose that the process covered by appellant's patent is restricted to the production of high octane gasoline used as motor fuel, while the claims presented in the application for reissue extend protection of the patent to lacquers or other non-motor fuels.

The patent was issued May 24, 1938, and two years and seven days thereafter, May 31, 1940, the application for reissue was filed. Without considering the patentability of the subject matter, the Primary Examiner rejected the application on the ground of unreasonable delay in filing it.

An appeal was taken to the Board of Appeals and, while pending, title in the patent and the application for reissue vested in the Alien Property Custodian August 11, 1942, a period of four years and three months having then elaspsed from the date of the issue of the patent.

The Custodian appeared by counsel who argued the appeal on November 30, 1942, before the Board of Appeals which affirmed the action of the Examiner, December 30, 1942.

More than five months thereafter, June 17, 1943, appellant filed a petition with the Commissioner of Patents praying for the restoration of jurisdiction to the Board for the purpose of hearing a petition submitted therewith for the reconsideration of its decision of December 30, 1942. The petition to restore jurisdiction to the Board was granted, and the petition for reconsideration was thereupon submitted to the Board.

On June 29, 1943, the Board denied the petition for reconsideration, with a statement explaining the reason for its action, and on July 29, 1943, thirty calendar days thereafter, appellant filed the notice of appeal from that decision.

Appellant has included in the record a transcript of the proceedings before the Board not only upon the request for reconsideration, but also upon the application for reissue, and has directed the reasons of appeal to alleged errors committed by the Board in its decision in each instance.

The remedy which the law affords for taking an appeal from a decision of the Board of Appeals to the Court of Customs and Patent Appeals is established by the Revised Statutes and the duly authorized rules of practice in the Patent Office, which, when not inconsistent with such statutes, have the force and operation of law. *Broadwell* v. *Long*, 36 App. D. C. 418, 164 O. G. 252.

[1] Section 4912 of the Revised Statutes (U. S. C., title 35, § 60) authorizes the Commissioner of Patents to appoint the time within which an appeal may be taken to the Court of Customs and Patent Appeals, and pursuant to such authorization the time appointed by him for taking an appeal is fixed by rule 149 of the Rules of Practice in the Patent Office. It reads:

> 149. When an appeal is taken to the United States Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within forty days, exclusive of Sundays and legal holidays in the District of Columbia but including Saturday half holidays, from the date of the decision appealed from, his reasons of appeal specifically set forth in writing; *Provided*, however, that if a petition for rehearing or reconsideration is filed within 20 calendar days after said decision, the notice of appeal may be given and the reasons of appeal filed within 15 calendar days after action on the petition. No petition for rehearing or reconsideration filed more than 20 calendar days after such decision, nor any proceedings on such petition, shall operate to extend the period of 40 days hereinabove provided for appeal.

Rule 149 as it was previously drawn made no provision whatever for the filing of a notice of appeal after the expiration of the forty days from the date of the decision appealed from. This was effective, even though a petitioner had filed a petition for rehearing or reconsideration within the forty days and the Board of Appeals had not taken action on it until after the forty days had expired. *In re Allen, Jr.*, 28 C. C. P. A. (Patents) 792, 115 F.(2d) 936, 47 USPQ 471, 526 O. G. 576.

[2] To remedy this hardship, rule 149 was amended, effective September 1, 1941, to provide that if a petition for rehearing or reconsideration is filed within twenty calendar days after the date of the decision of the Board, the notice of appeal may be given and the reasons of appeal filed within fifteen calendar days after the decision on the petition for rehearing or reconsideration, regardless of the time at which action on the petition is taken by the Board.

However, a petition for rehearing or reconsideration, filed within twenty days from the date of the decision appealed from, may or may not operate to extend the petitioner's time for appeal beyond the forty days.

If a petition for rehearing or reconsideration is filed within twenty days from the date of the decision of the Board, and action by the Board on the petition is taken on a date from which there are less than fifteen calendar days remaining of the forty days, then the petitioner is allowed as much time beyond the forty days as shall not exceed fifteen calendar days from the date of the decision on the petition.

[3] Rule 149 limits the time within which an appeal may be taken from a decision of the Board of Appeals to the Court of Customs and Patent Appeals to the forty days in all cases in which no petition for rehearing or reconsideration is filed within twenty days from the date of the decision appealed from.

[4] In the case at bar, appellant filed with the Commissioner the petition for restoration of jurisdiction to the Board accompanied by the petition for reconsideration more than five months after the date of the original decision of the Board; and his notice of appeal was filed herein approximately seven months after the date of such decision and more than fifteen calendar days from the date of the decision of the Board denying the petition for reconsideration.

Rule 149, supra, provides that "No petition for rehearing or reconsideration filed more than 20 calendar days after such decision, nor any proceedings on such petition, shall operate to extend the period of 40 days hereinabove provided for appeal."

The provisions of the rule are explicit, and there is no question that appellant did not file his appeal within the time specified. Therefore, this court is without jurisdiction to entertain the appeal. This conclusion is supported by the decisions of this and other courts. *In re Horton*, 19 C. C. P. A. (Patents) 1151, 58 F.(2d) 682, 13 USPQ 345, 422 O. G. 607; *In re Retail Clerks International Protective Ass'n*, 27 C. C. P. A. (Patents) 875, 108 F.(2d) 1008, 44 USPQ 300, 516 O. G. 1055; *General Electric Company* v. *Hygrade Sylvania Corporation et al.*, 61 USPQ 263, 288.

[5] Furthermore, assuming, but not holding, that the Commissioner of Patents had authority to restore jurisdiction to the Board and endow appellant's petition with the status of a petition for reconsideration filed within twenty calendar days from the date of the original decision of the Board, nevertheless, fifteen calendar days having expired at the time appellant filed his appeal from the decision of the Board on the petition for reconsideration, this court is likewise without jurisdiction to hear the appeal.

[6] It follows that the appeal herein must be dismissed, unless rule 149 is not applicable to the Alien Property Custodian in a proceeding for the alleged benefit of the public.

It is difficult to understand the merit of appellant's contention, "that the public's interest in this proceeding will be best served by granting the Custodian a reissue patent." The law is well settled that an inventor is considered to have abandoned to the public for its use and benefit any matter disclosed but not claimed by him in a patent. Therefore, as appellant's patent now stands, the unclaimed invention, if there is one in the broadened claims, has been dedicated under a presumption of law to the use and benefit of the public.

In any event, no citation of authority is presented by appellant and we know of none which remotely suggests that rule 149 of the Rules of Practice does not apply to the Alien Property Custodian.

Appellant, having failed to appeal to this court in time, still had a remedy on June 17, 1943, by a bill in equity under section 4915 of the Revised Statutes (U. S. C., title 35, sec. 63.)

For the reasons assigned, the appeal is dismissed.

Dismissed.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Goldstein & Lall, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John L. Priess, 82 W. Washington St., Chicago, Ill., to effect the cancellation of trade-mark registration of Goldstein & Lall, 163 West 23rd St., New York, N. Y., No. 378,429, dated June 11, 1940, and the notice of such proceeding sent by registered mail to the said Goldstein & Lall at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Goldstein & Lall, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Health Candies, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Candymasters Incorporated, 3–5 N. 15th St., Minneapolis, Minn., to effect the cancellation of trade-mark registration of Health Candies, Inc., 2720 S. W. 28th Lane, Riverside Station, Miami, Fla., No. 288,759, dated November 3, 1931, and the notice of such proceeding sent by registered mail to the said Health Candies, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Health Candies, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE, for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 23, 1945.*

Deutz & Ortenberg, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Maison France, 101 West 37th St., New York 18, N. Y., to effect the cancellation of trade-mark registration of Deutz & Ortenberg, Inc., 2 West 33d St., New York, N. Y., No. 185,361, dated June 10, 1924, and the notice of such proceeding sent by registered mail to the said Deutz & Ortenberg, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Deutz & Ortenberg, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Register of Patents Available for Licensing or Sale

Pat. 2,172,259. STAPLING METHOD AND DEVICE. Patented Sept. 5, 1939. A device for stapling cardboard or the like utilizing an inclined plunger, or oppositely disposed inclined plungers, for driving staples with correspondingly inclined legs, whereby the staples may be driven into the material at an inclined angle, with or without an underlying anvil. (Owner) Emanuel R. Posnack, 270 Broadway, New York, N. Y. Groups 33—41—49; 35—42—54—55. Reg. No. 35.

Pat. 2,153,874. STAPLING DEVICE AND METHOD. Patented Apr. 11, 1939. A machine and method for stapling consisting of a plunger to drive the staple, two oppositely positioned deflecting elements positioned above the material to be stapled and in the path of the staple to deflect and anchor the staple inwardly during its downward movement. Can be used with or without an underlying anvil. (Owner) Emanuel R. Posnack, 270 Broadway, New York, N. Y. Groups 33—41—49; 35—42—54—55. Reg. No. 36.

Pat. 2,234,448. METHOD OF FASTENING AND APPARATUS THEREFOR. Patented Mar. 11, 1941. Device for stapling, utilizing an inclined plunger, means for detaching a single legged fastener from a stack; forming a head on staple; a curling element at the base of machine to effect curling of staple as it is being driven. Can be used with or without an underlying anvil. (Owner) Emanuel R. Posnack, 270 Broadway, New York, N. Y. Groups 33—41—49; 35—42—54—55. Reg. No. 37.

Pat. 2,185,518. STAPLING DEVICE AND METHOD. Patented Jan. 2, 1940. A machine and method for stapling consisting of a plunger, deflecting elements positioned above material to be stapled and in path of the staple, and retractable leg-engaging means coacting with the deflecting means for supporting and guiding the legs of the staple during its downward movement, whereby the legs will be clinched and anchored inwardly. (Owner) Emanuel R. Posnack, 270 Broadway, New York, N. Y. Groups 33—41—49; 35—42—54—55. Reg. No. 38.

Pat. 2,325,039. PORTABLE DESK. Patented July 27, 1943. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Detachably carried by a drawer or door of a filing cabinet, consists of a removable tray with a series of grooves therein to receive dividing members engaging a back member, to form adjustable compartments. (Owner) Gustave E. Chesler, 141–33 79th Avenue, Flushing, Long Island, N. Y. Group 25—21—22—52. Reg. No. 39.

Pat. 2,188,699. DIRECT PRESSURE VENTILATOR. Patented Jan. 30, 1940. A pair of oppositely disposed normally open vanes, one adapted to be closed by direct wind pressure while the other remains open, returning to normal position without manual attention. (Owner) Paul W. Barron, 599 Cedar Lane, Teaneck, N. J. Groups 34—95; 35—22—64. Reg. No. 40.

Pat. 2,144,857. SANDGLASS. Patented Jan. 24, 1939. Has a conical cup-shaped valve separating the glass; valve admits sand slowly into the measuring chamber but permits rapid return of sand to the storage chamber when the glass is inverted. (Owner) K. A. Mayr, 21 East 40th St., New York 16, N. Y. Groups 32—39; 34—61; 35—65. Reg. No. 41.

Pat. 2,208,635. MEANS OF AMPLIFYING LINEAR DISPLACEMENTS. Patented July 23, 1940. An instrument for measuring and indicating linear displacements. Provides means for amplification by use of only one member. (Owner) Axel H. Johnson, 1254 Arthur Ave., Racine, Wis. Group 35—65. Reg. No. 42.

Pat. 2,159,214. DOUBLE SALT OF CALCIUM ASCORBATE AND CALCIUM ACETYLSALICYLATE AND PROCESS OF MAKING SAME. Patented May 23, 1939. The process of preparing a pharmaceutical, commonly known as aspirin, by combining salts or derivatives of acetylsalicylic acid with one or more vitamins, or their salts or derivatives. (Owner) Samuel Klein, 357 Hawthorne Ave., Newark, N. J. Group 28—31. Reg. No. 43.

Pat. 1,872,758. VARIABLE THRUST MECHANISM. Patented Aug. 23, 1932. For use on craft requiring mechanical propulsion, means whereby the direction and intensity of thrust may be varied, and means for laterally adjusting the mechanism to maintain lateral balance for all directions of thrust. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 35—59. Reg. No. 44.

Pat. 1,839,683. BALANCED WEDGE CHECK VALVE. Patented Jan. 5, 1932. Balanced wedge check valve with means to prevent noise, slamming or clattering when in operation. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 33—22—24—61. Reg. No. 45.

Pat. 2,079,217. AUTO-CYCLO-GIRO. Patented May 4, 1937. A dynamic lifting mechanism to furnish lift for an airplane in the manner of the lifting propeller of a helicopter. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 37—21—22. Reg. No. 46.

Pat. 2,009,780. CENTRIFUGAL VARIABLE THRUST MECHANISM. Patented July 30, 1935. For balancing out reaction torques. May be used as a propelling mechanism. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 35—59. Reg. No. 47.

Pat. 1,953,963. BALANCED VARIABLE THRUST PROPELLER CONSTRUCTION. Patented Apr. 10, 1934. Airplane propeller construction having a control mechanism to vary the angle at the propeller thrust in the vertical plane with a balanced propeller system which reduces the load on the control mechanism to zero. The direction of thrust may be completely reversed. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 37—21—22. Reg. No. 48.

Pat. 1,972,780. BALANCED VARIABLE DELIVERY PUMP OR BLOWER. Patented Sept. 4, 1934. A design for variable rate of flow and reversible direction pump or blower to pump liquids or blow gases at a controllable rate in a controllable direction with the prime mover operating at a constant speed in a constant direction. The mechanism is balanced to reduce the load on the control system to zero. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Group 35—61—64. Reg. No. 49.

Pat. 1,953,964. CENTRIFUGAL VARIABLE THRUST MECHANISM. Patented Apr. 10, 1934. Rotating weight and means causing the weight to assume a different position with respect to the rotation of the axis setting up different centrifugal forces, producing an unbalanced thrust and means to control the direction and intensity of the thrust. (Owner) Isidor B. Laskowitz, 284 Eastern Parkway, Brooklyn 25, N. Y. Groups 33—12; 37—220. Reg. No. 50.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 17, 1945

[VOL. 576. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 469,664. WALTER C. CHEDIC, doing business as Pacific Graphite Works, Oakland, Calif. Filed Apr. 25, 1944.

Gils-O-Bond

The word "Bond" is disclaimed apart from the mark.
FOR FACING AND CORE BINDER.
Claims use since June 1940.

Ser. No. 474,103. SYNVAR CORPORATION, Wilmington, Del. Filed Sept. 11, 1944.

SYNVAR RESINS

The word "Resins" is disclaimed apart from the mark.
FOR RAW SOLID AND LIQUID SYNTHETIC RESINS.
Claims use since Jan. 15, 1940.

Ser. No. 481,528. EDGEWOOD FARMS, INC., Ridgefield, N. J. Filed Mar. 30, 1945.

REGENT

FOR GRASS SEEDS.
Claims use since Mar. 10, 1945.

CLASS 2

RECEPTACLES

Ser. No. 464,703. LINDSAY & LINDSAY, Chicago, Ill. Filed Nov. 4, 1943.

STRUC-LOK

The word "Lok" is disclaimed apart from the mark.
FOR PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS.
Claims use since Sept. 9, 1943.

Ser. No. 464,704., LINDSAY & LINDSAY, Chicago, Ill. Filed Nov. 4, 1943.



FOR PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS.
Claims use since Sept. 9, 1943.

Ser. No. 464,705. LINDSAY & LINDSAY, Chicago, Ill. Filed Nov. 4, 1943.



FOR PREFABRICATED METAL STRUCTURAL SHAPES AND SHEETS FOR CONSTRUCTING BOXES, SHIPPING CASES AND BINS.
Claims use since Sept. 21, 1938.

Ser. No. 477,441. TRAVER CORPORATION, Chicago, Ill. Filed Dec. 11, 1944.

TRACO

FOR MERCHANDISE BAGS AND MERCHANDISE ENVELOPES MADE FROM TRANSPARENT, SEMI-TRANSPARENT, OPAQUE, AND/OR METALIZED KRAFT MATERIALS.
Claims use since Apr. 1, 1938.

Ser. No. 478,532. CARVANITE PRODUCTS, Los Angeles, Calif. Filed Jan. 11, 1945.

CARVANITE

FOR OCCASIONAL BOXES AND SALT AND PEPPER SHAKERS MADE OF SYNTHETIC RESIN PLASTICS.
Claims use since May 26, 1944.

Ser. No. 478,593. POLARAY COMPANY, New York, N. Y. Filed Jan. 13, 1945.

Pycolite

FOR TUMBLERS, SOAP DISHES, SOAP BOXES, CASTOR CUPS, CUPS, SAUCERS, COASTERS, BOWLS, TRAYS, BUTTER DISHES, PLATES, DISHES, SUGAR BOWLS AND CREAM PITCHERS, HOLDERS FOR TUMBLERS AND TOOTH BRUSHES, HOLDERS FOR SOAP, TOOTHBRUSH BOXES, HOSIERY BOXES, EGG CUPS, FLOWER POTS AND VASES, ALL MADE OF PLASTICS MOLDED FROM POWDERED RESINS.
Claims use since Jan. 3, 1945.

Ser. No. 478,899. ROBERT T. PLATE, doing busines as Curly Lox Products, Detroit, Mich. Filed Jan. 22, 1945.

Trio-ette

FOR COMPACTS MADE OF PLASTIC MATERIALS AND BASE METALS AND SOLD IN TRADE EMPTY.
Claims use since Aug. 5, 1944.

Ser. No. 482,165. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 14, 1945.

"WHY NOT"

FOR VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY.
Claims use since Mar. 26, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 478,902. IVOR RICH, New York, N. Y. Filed Jan. 22, 1945.

Diplomat

FOR EMPTY TOILET CASES AND KITS, AND EMPTY MAKE-UP KITS, MADE OF LEATHER AND FABRIC.
Claims use since Aug. 15, 1944.

Ser. No. 479,313. SUN SHOE MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 1, 1945.

Suncraft

FOR MEN'S AND LADIES' WALLETS, MEN'S LEATHER POCKET SECRETARIES AND KEY CASES.
Claims use since Jan. 1, 1945.

Ser. No. 481,874. ABEL & BACH, INC., Milwaukee, Wis. Filed Apr. 9, 1945.

Stewardess

FOR SUITCASES.
Claims use since Mar. 26, 1945.

Ser. No. 482,941. MARJORIE P. MCWILLIAMS, Los Angeles, Calif. Filed May 3, 1945.

SOWSILK

FOR PURSES.
Claims use since Mar. 14, 1945.

Ser. No. 483,511. SAMUEL BLUM, New York, N. Y. Filed May 18, 1945.

LUCKYMOR

FOR POCKETBOOKS AND BILLFOLDS.
Claims use since Apr. 23, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 463,207. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y. Filed Sept. 3, 1943. Under section 5b of the act of 1905 as amended in 1920.

BRISTOL

FOR SOAP.
Claims use since Aug. 10, 1943.

Ser. No. 473,332. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Aug. 16, 1944.

PELTO

FOR CHEMICALS AND OILS USED FOR THE PROCESSING—NAMELY, FINISHING, WATERPROOFING, AND SOFTENING OF LEATHER AND FURS.
Claims use since Mar. 13, 1927.

Ser. No. 478,523. JOHN T. STANLEY CO. INC., New York, N. Y. Filed Jan. 11, 1945.

GLOBO

FOR SOAP AND SHAVING CREAM.
Claims use since January 1944.

Ser. No. 479,813. THE SELIG COMPANY, Atlanta, Ga. Filed Feb. 14, 1945.

LIMESOL

FOR DISH WASHING COMPOUND.
Claims use since Jan. 25, 1945.

Ser. No. 479,844. GARDNER MACHINE COMPANY, South Beloit, Ill. Filed Feb. 15, 1945.

WIRE-LOKT

Applicant disclaims the exclusive right to the use of the word "Wire" apart from the mark shown.
FOR ABRASIVE ELEMENTS—NAMELY, GRINDING WHEELS AND DISKS.
Claims use since July 8, 1931.

Ser. No. 480,204. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

PETROSAL

FOR SYNTHETIC WATER SOLUBLE DETERGENT AND SOAP SUBSTITUTE.
Claims use since June 9, 1944.

Ser. No. 480,207. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

SOLVEPASTE

FOR SOFT SOAP CONCENTRATE.
Claims use since 1943.

Ser. No. 480,212. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

SULFATEX

FOR DETERGENT AND WETTING AGENT FOR TEXTILE PROCESSING.
Claims use since 1935.

Ser. No. 480,213. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

SULFEX

FOR DETERGENT AND WETTING AGENT FOR TEXTILE PROCESSING.
Claims use since 1935.

Ser. No. 480,469. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Mar. 3, 1945.

SYNTERGENT

FOR DETERGENT FOR GENERAL INDUSTRIAL USE.
Claims use since Feb. 17, 1942.

CLASS 5

ADHESIVES

Ser. No. 469,236. THE O'SULLIVAN RUBBER COMPANY, INC., Winchester, Va. Filed Apr. 11, 1944.

ECLIPSE

FOR ADHESIVE CEMENTS.
Claims use since Aug. 29, 1905.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 468,814. E. M. PEET MANUFACTURING COMPANY, Council Bluffs, Iowa, Indianapolis, Ind., and Oakland, Calif. Filed Mar. 29, 1944.



The words "Perfection Products" are disclaimed apart from the mark.

FOR PREPARATION FOR ELIMINATION OF WORMS IN LIVESTOCK; INSECTICIDES; INSECTICIDAL LIQUID DIP, AND SUPPLEMENTAL MINERAL FEEDS FOR HOGS, HORSES, CATTLE, SHEEP, AND POULTRY.
Claims use since July 3, 1931.

Ser. No. 472,710. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944. Under section 5b of the act of 1905 as amended in 1920.

REMINGTON

FOR TALCUM POWDER, PARTICULARLY TALCUM POWDER IN STICK FORM.
Claims use since Nov. 29, 1940.

Ser. No. 472,785. PETROLITE CORPORATION, LTD., St. Louis, Mo. Filed July 31, 1944.

KONTOL

FOR CHEMICAL COMPOSITION USED AS A RUST OR CORROSION INHIBITOR.
Claims use since July 24, 1944.

Ser. No. 473,228. SCOTT & BOWNE, Bloomfield, N. J. Filed Aug. 12, 1944. Under section 5b of the act of 1905 as amended in 1920.

SCOTT'S COUGH SYRUP

FOR COUGH REMEDY.
Claims use since Dec. 28, 1943.

Ser. No. 473,229. SCOTT & BOWNE, Bloomfield, N. J. Filed Aug. 12, 1944. Under section 5b of the act of 1905 as amended in 1920.

SCOTT'S OINTMENT

FOR SKIN OINTMENT.
Claims use since Dec. 28, 1943.

Ser. No. 473,357. THE J. R. WATKINS COMPANY, Winona, Minn. Filed Aug. 16, 1944.

MARIEL

FOR COLOGNE AND PERFUME.
Claims use since July 1, 1944.

Ser. No. 475,751. DISTILLATION PRODUCTS, INC., Rochester, N. Y. Filed Oct. 27, 1944.

MYVARINE

FOR CHEMICAL OIL OBTAINED BY VACUUM DISTILLATION OF FISH OILS AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Oct. 14, 1944.

Ser. No. 477,319. HATTIE CARNEGIE, INC., New York, N. Y. Filed Dec. 8, 1944.

CARTE BLANCHE

The word "Blanche" is disclaimed apart from the mark as shown.
FOR CREAM FOR THE FACE.
Claims use since Jan. 1, 1943.

Ser. No. 477,673. SIEGFRIED STERN, doing business as Relaco Manufacturing Co., New York, N. Y. Filed Dec. 16, 1944.

RELACO

FOR INSECTICIDES.
Claims use since August 1938.

Ser. No. 478,463. ALLEN G. MASON AND PIERSON B. WALLER, Morganfield, Ky. Filed Jan. 10, 1945.

MA-WA

FOR CHEMICAL PREPARATION FOR REMOVING RUST, SCALE, CORROSION FROM AUTOMOBILE RADIATORS AND CYLINDER BLOCKS.
Claims use since July 1944.

Ser. No. 479,105. B & P LABORATORIES, Chicago, Ill. Filed Jan. 29, 1945.

Super H.

FOR HAIR POMADE.
Claims use since Dec. 2, 1944.

Ser. No. 479,409. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 5, 1945.

IONAC

FOR SYNTHETIC RESINS, EITHER CATION OR ANION ACTIVE, HAVING BASE EXCHANGE OR ION-EXCHANGE CHARACTERISTICS AND USED TO DEMINERALIZE WATER AND TO PURIFY WEAK SOLUTIONS OF ELECTROLYTES BY ION-EXCHANGE.
Claims use since Sept. 11, 1942.

Ser. No. 479,858. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Feb. 15, 1945.

DIPEX

FOR SOLVENT AND A SULPHONATE SURFACE ACTIVE AGENT CAPABLE OF GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Feb. 11, 1924, on said solvent; and since Apr. 23, 1927, on remaining goods.

Ser. No. 480,041. BELL COMPANY, INCORPORATED, Chicago, Ill. Filed Feb. 21, 1945.

RIN

FOR CHEMICAL RUST REMOVER AND RUST PREVENTIVE.
Claims use since Jan. 4, 1943.

Ser. No. 481,085. OLIVE SMITH, Chicago, Ill. Filed Mar. 19, 1945.

TUTEAME

FOR PERFUME, LIPSTICK, FACE POWDER, FACE CREAM AND NAIL POLISH.
Claims use since Mar. 12, 1945.

Ser. No. 481,548. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Mar. 30, 1945.

HEXESTROFEN

FOR PREPARATION IN TABLET FORM FOR TREATING ESTROGENIC DEFICIENCY.
Claims use since Mar. 20, 1945.

Ser. No. 481,557. SHEFFIELD FARMS COMPANY, INC., New York, N. Y. Filed Mar. 30, 1945.

N-Z-AMINE

Applicant disclaims the word "Amine" apart from the mark.
FOR ENZYMATIC HYDROLYSATE OF MILK PROTEIN IN POWDER FORM TO BE USED FOR BACTERIOLOGICAL AND PHARMACEUTICAL PURPOSES.
Claims use since Feb. 21, 1945.

Ser. No. 481,646. PARFUMS DE RENEL, INC., Mount Vernon, N. Y. Filed Apr. 2, 1945.

ROUGHING IT

FOR PERFUME AND TOILET WATER.
Claims use since Oct. 15, 1944.

Ser. No. 481,931. VAN PELT & BROWN, INC., Richmond, Va. Filed Apr. 9, 1945.

VANPLEX

FOR VITAMIN B_1 COMPLEX TABLETS.
Claims use since Dec. 20, 1944.

Ser. No. 482,045. CHARLTON HOUSE, INC., New York, N. Y. Filed Apr. 12, 1945.



The drawing is lined for shading.
FOR CREAM INTENDED TO BE USED ON THE SKIN SURFACES AS A DETERGENT, SOFTENER, AND BEAUTIFYING PREPARATION.
Claims use since Mar. 1, 1945.

Ser. No. 482,380. THE HOWELL COMPANY, INC., New Orleans, La. Filed Apr. 20, 1945.

DEOSAN

FOR DISINFECTANT ANTISEPTIC.
Claims use since Dec. 28, 1938.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 471,528. LANE TOBACCO, LTD., New York, N. Y. Filed June 22, 1944.

SINCE 1890

ARISTON

FOR PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, PIPE KNOCKER TRAYS, TOBACCO POUCHES, PIPE CLEANERS, PIPE SCRAPERS, PIPE REAMERS, PIPE COVERS, LIQUID PIPE SWEETENERS, CIGARETTE PAPER CUT TO SIZE, HAND OPERATED CIGARETTE MACHINES, TOBACCO CANISTERS, AND CIGAR AND CIGARETTE CASES.
Claims use since May 1942.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 474,090. THE PARKER PEN COMPANY, Janesville, Wis. Filed Sept. 11, 1944.

71

FOR WRITING INK.
Claims use since Aug. 30, 1944.

Ser. No. 474,091. THE PARKER PEN COMPANY, Janesville, Wis. Filed Sept. 11, 1944.

61

FOR WRITING INK.
Claims use since Aug. 30, 1944.

Ser. No. 481,119. NUODEX PRODUCTS CO., INC., Elizabeth, N. J. Filed Mar. 20, 1945.

C-O-6

FOR INK DRIERS.
Claims use since March 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 474,153. CORALTEX, INC., Los Angeles, Calif. Filed Sept. 13, 1944.

CORALITE

FOR WALL AND CEILING BOARD MADE OF TEMPERED, PRESSED BOARD CONSISTING OF SHREDDED WOOD FIBER BOUND TOGETHER BY THE NATURAL LIGNAN WITHIN THE WOOD, THE SURFACE OR SURFACES OF THE BOARD BEING PROVIDED WITH A GLAZED, PLASTIC FINISH COAT OR LAMINATION.
Claims use since July 29, 1940.

Ser. No. 474,154. CORALTEX, INC., Los Angeles, Calif. Filed Sept. 13, 1944.

CORALITE HANDITYLE

The word "Handityle" is disclaimed apart from the mark.
FOR WALL AND CEILING BOARD MADE OF TEMPERED, PRESSED BOARD CONSISTING OF SHREDDED WOOD FIBER BOUND TOGETHER BY THE NATURAL LIGNAN WITHIN THE WOOD, THE SURFACE OR SURFACES OF THE BOARD BEING PROVIDED WITH A GLAZED, PLASTIC FINISH COAT OR LAMINATION.
Claims use since August 1943.

Ser. No. 478,825. PHILCO CORPORATION, Philadelphia, Pa. Filed Jan. 20, 1945.

PHILCO

FOR WINDOW SASH SEAL GASKETS AND FIBRE BOARD AND AIR CONDITIONING SOUND ABSORBING MATERIALS, BEING MATERIALS CONSISTING OF FIBRE BOARD, ETC., USED IN AIR CONDITIONERS FOR THE PURPOSE OF ABSORBING SOUND, AND SECONDLY HEAT; AND RUBBER MOULDING, USED IN THE INSTALLATION OF AIR CONDITIONING EQUIPMENT AND IN THE CONSTRUCTION OF AIR CONDITIONING APPARATUS.
Claims use since 1938.

Ser. No. 480,318. THE FLEXICORE COMPANY, INC., New York, N. Y. Filed Feb. 28, 1945.

flexicore

FOR REINFORCED CONCRETE BEAMS.
Claims use since 1933.

Ser. No. 483,286. SELBY, BATTERSBY & CO., Philadelphia, Pa. Filed May 12, 1945.

KOMUL

FOR ANTI-CORROSIVE, IRREVERSIBLE EMULSION OF COAL TAR PITCH FOR APPLICATION TO SURFACES OF METAL, WOOD, AND LIKE MATERIALS.
Claims use since Mar. 23, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 477,927. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill. Filed Dec. 26, 1944.

FEDELCO FEDRALITE

FOR PLASTIC PIPE AND TUBING.
Claims use since Oct. 15, 1944.

Ser. No. 480,889. COLUMBUS PLASTIC PRODUCTS INC., Columbus, Ohio. Filed Mar. 14, 1945.

Lustro-Ware

No claim is made to the word "Ware" apart from the mark.
FOR BATH ROOM AND LAVATORY FIXTURES AND ACCESSORIES—NAMELY, SOAP DISHES, TOOTH BRUSH AND TUMBLER HOLDERS, TOILET PAPER HOLDERS, TOWEL BARS, ROBE HOOKS, SHELF BRACKETS, AND PAPER NAPKIN HOLDERS, ALL OF PLASTIC COMPOSITION.
Claims use since Feb. 1, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Serial No. 480,393. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N Y. Filed Mar. 1, 1945.

EUTECTOFILM

FOR WELDING ELECTRODES WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING, AND SOLDERING OVERLAY ALLOYS IN THE FORM OF RODS AND WIRES, EITHER BARE OR COATED WITH FLUX SUBSTANCE FOR USE IN CONNECTION WITH OXY-ACETYLENE TORCHES, WITH ELECTRIC HEATING AND CARBON-ARC DEVICES.
Claims use since Jan. 31, 1945.

Ser. No. 480,394. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed Mar. 1, 1945.

FLOTECTIC

FOR WELDING ELECTRODES WHICH ARE CONSUMED IN THE WELDING OPERATION, WELDING, BRAZING, AND SOLDERING OVERLAY ALLOYS IN THE FORM OF RODS AND WIRES, EITHER BARE OR COATED WITH FLUX SUBSTANCE FOR USE IN CONNECTION WITH OXY-ACETYLENE TORCHES, WITH ELECTRIC HEATING AND CARBON-ARC DEVICES.
Claims use since Jan. 31, 1945.

Ser. No. 481,356. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Mar. 27, 1945.

NO. 484

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Mar. 24, 1942.

Ser. No. 481,357. THE CARPENTER STEEL COMPANY, Reading Pa. Filed Mar. 27, 1945.

NO. 610

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Mar. 24, 1942.

Ser. No. 481,358. THE CARPENTER STEEL COMPANY, Reading Pa. Filed Mar. 27, 1945.

NO. 883

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Mar. 24, 1942.

Ser. No. 481,359. THE CARPENTER STEEL COMPANY, Reading Pa. Filed Mar. 27, 1945.

VEGA

FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since Apr. 3, 1944.

CLASS 15

OILS AND GREASES

Ser. No. 470,171. BARECO OIL COMPANY, Tulsa, Okla. Filed May 12, 1944.

BIG

FOR PETROLEUM PRODUCTS—NAMELY, CRUDE OIL, GASOLENE, CASINGHEAD GASOLENE, ABSORPTION-GASOLENE, NAPHTHA, BENZIN, KEROSENE, KEROSENE-DISTILLATE, RE-RUN DISTILLATE, TREATED-WAX DISTILLATE, UNTREATED-WAX DISTILLATE, GAS-OIL, ABSORPTION-OIL, CYLINDER-OIL, FUEL-OIL, AND LUBRICATING OIL.
Claims use since January 1918.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,930. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Feb. 17, 1945.

PLASTI-FILM

Applicant disclaims the word "Film" except as shown.
FOR READY MIXED GLOSS PAINT.
Claims use since Dec. 12, 1944.

Ser. No. 479,931. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Feb. 17, 1945.

PLASTI-FLO

The word "Flo" is disclaimed apart from the mark.
FOR PAINT ENAMEL.
Claims use since Dec. 12, 1944.

Ser. No. 480,203. L. SONNEBORN SONS, INC., New York. N. Y. Filed Feb. 24, 1945.

LIGNOPHOL

FOR WOOD FLOOR PRESERVATIVE AND SEALER.
Claims use since 1915.

Ser. No. 480,206. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

S.R.P.

FOR RUST INHIBITING PAINT.
Claims use since 1932.

Ser. No. 480,449. GREAT LAKES VARNISH WORKS, INC., also doing business under the name Great Lakes Paint and Varnish, Chicago, Ill. Filed Mar. 3, 1945.

Plam-Lak

No claim is made to the word "Lak" apart from the mark.
FOR LINOLEUM LACQUER.
Claims use since Jan. 31, 1945.

Ser. No. 480,475. L. SONNEBORN SONS, INC., New York N. Y. Filed Mar. 3, 1945.

SONOLASTIC

FOR READY MIXED PAINTS.
Claims use since 1920.

Ser. No. 481,331. MARINE CANVAS SUPPLY CORPORATION, Brooklyn, N. Y. Filed Mar. 26, 1945.

JATON

FOR CANVAS PAINT.
Claims use since April 1932.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 474,575. CALLAWAY MILLS, La Grange, Ga. Filed Sept. 25, 1944.

CALLAWAY MILLS

No claim is made to the notation "Callaway Mills" apart from the mark.
FOR OILED CLOTH.
Claims use since June 30, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 463,834. CLIMAX ENGINEERING COMPANY, Clinton, Iowa, assignor to General Finance Corporation. Chicago, Ill., a corporation of Michigan. Filed Oct. 2, 1943.

CLIMAX

FOR INTERNAL COMBUSTION ENGINE-ELECTRIC GENERATOR UNITS AND ELECTRIC LIGHTING PLANTS.
Claims use since 1922 on generating sets; and since January 1935 on light plants.

Ser. No. 464,053. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Oct. 11, 1943.

HELIARC

FOR ELECTRIC WELDING TORCHES.
Claims use since Apr. 17, 1943.

Ser. No. 480,568. ERIE RESISTOR CORPORATION, Erie, Pa. Filed Mar. 7, 1945.

ER

FOR ELECTRICAL RESISTORS AND ELECTRICAL CONDENSERS.
Claims use since May 28, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 474,411. LOIS L. HENDON, Marion, Ala. Filed Sept. 20, 1944.

Cotton Tot Dolls

No claim is made to the words "Cotton" and "Dolls."
FOR DOLLS.
Claims use since February 1944.

Ser. No. 478,455. HOWARD SALES COMPANY, Council Bluffs, Iowa. Filed Jan. 10, 1945.

ALPHAPLASTIC

Applicant disclaims the representation of the goods apart from the mark.
FOR PLUG-IN LETTERS FOR EDUCATIONAL GAMES FOR CHILDREN.
Claims use since Oct. 3, 1944.

Ser. No. 481,732. BANTAM-U. S. TOYS, INC., New York, N. Y. Filed Apr. 5, 1945.

A BANTAM TOY

BANTAM-U. S. TOYS, Inc.

Applicant disclaims the word "Toy" and "U. S. Toys, Inc." apart from the mark.

FOR CLOTH COVERED STUFFED DOLLS AND TOY ANIMALS.

Claims use since Jan. 2, 1941.

Ser. No. 482,832. THE CASTALL CORPORATION, Youngstown, Ohio. Filed May 1, 1945.

CASTALL

FOR FISHING BOBBERS.

Claims use since Mar. 15, 1945.

Ser. No. 482,893. RENWAL MFG. CO. INC., New York, N. Y. Filed May 2, 1945.

JOLLY TWINS

FOR TOY FURNITURE MADE OF PLASTICS—NAMELY, DINING ROOM BUFFETS, BREAKFAST TABLES, SERVERS, CHAIRS, BATHROOM HAMPERS, BATHTUBS, SINKS, TOILETS, BEDROOM HIGHBOYS, DRESSERS, VANITIES, DESKS, NIGHT TABLES, KITCHEN TABLES, ICEBOXES, STOVES, LIVING ROOM SOFAS, WING CHAIRS, CLUB CHAIRS, PIANOS, PIANO BENCHES, RADIOS, COFFEE TABLES, END TABLES, TABLE LAMPS, FLOOR LAMPS, AND FIREPLACES.

Claims use since January 1945.

Ser. No. 482,894. RENWAL MANUFACTURING CO., INC., New York, N. Y. Filed May 2, 1945.

"WINGED VICTORY"

FOR PLASTIC TOY AEROPLANES.

Claims use since December 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 478,675. BABSON BROS. CO., Chicago, Ill. Filed Jan. 16, 1945.



The trade-mark consists of a narrow band of light orange color approaching yellow (known as swamp holly orange) on the bead at the large end of the inflation. The mark is applied to the goods by painting or printing it thereon or by molding a band of rubber of such color into the goods. In the drawing the goods are lined for black and the band for swamp holly orange. No claim is made to the representation of the goods nor to the color black therefor.

FOR INFLATIONS OF FLEXIBLE LININGS FOR THE SHELL OF A TI[illegible]P CUP ASSEMBLY FOR MILKING MACHINES.

Claims use since Jan. 8, 1945.

Ser. No. 482,415. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J. Filed Apr. 21, 1945.

Professor

FOR RAZOR BLADES.

Claims use since Nov. 25, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 472,808. GARLICK FILMS, LTD., Ottawa, Canada. Filed Aug. 1, 1944.

PIXUR

FOR LENS ADAPTERS, DARKROOM APRONS, CAMERAS, CAMERA CASES, DEVELOPING TANKS, DEVELOPING TRAYS, FILM DRIERS, PRINT DRIERS, ENLARGING EASELS, EDITING AND SPLICING EQUIPMENT, ENLARGERS, EXPOSURE CALCULATORS, EXPOSURE METERS, PHOTOGRAPHIC FILTERS, PHOTOGRAPHIC FLASH BULBS, PHOTOGRAPHIC FLOOD BULBS, LENSES, SENSITIZED PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PLATES, SENSITIZED PHOTOGRAPHIC PAPER, PRINT ROLLERS, PRINT TONGS, PHOTOGRAPHIC PRINTERS, PROJECTORS, RANGEFINDERS, MOTION PICTURE REELS, MOTION PICTURE CANS, REFLECTORS FOR PHOTOGRAPHIC USES, SAFELIGHTS FOR PHOTOGRAPHIC USES, MOTION PICTURE SPLICERS, PHOTOGRAPHIC SYNCHRONIZERS, THERMOMETERS, PHOTOGRAPHIC TIMERS, PHOTOGRAPHIC TITLERS, PHOTOGRAPHIC TRIMMERS, AND PHOTOGRAPHIC TRIPODS.

Claims use since Sept. 1, 1936.

Ser. No. 472,809. GARLICK FILMS, LTD., Ottawa, Canada. Filed Aug. 1, 1944.



The silhouette is fanciful. The representation of a camera is disclaimed apart from the mark.

FOR LENS ADAPTERS, DARKROOM APRONS, CAMERAS, CAMERA CASES, DEVELOPING TANKS, DEVELOPING TRAYS, FILM DRIERS, PRINT DRIERS, ENLARGING EASELS, EDITING AND SPLICING EQUIPMENT, ENLARGERS, EXPOSURE CALCULATORS, EXPOSURE METERS, PHOTOGRAPHIC FILTERS, PHOTOGRAPHIC FLASH BULBS, PHOTOGRAPHIC FLOOD BULBS, LENSES, SENSITIZED PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PLATES, SENSITIZED PHOTOGRAPHIC PAPER, PRINT ROLLERS, PRINT TONGS, PHOTOGRAPHIC PRINTERS, PROJECTORS, RANGEFINDERS, MOTION PICTURE REELS, MOTION PICTURE CANS, REFLECTORS FOR PHOTOGRAPHIC USES, SAFELIGHTS FOR PHOTOGRAPHIC USES, MOTION PICTURE SPLICERS, PHOTOGRAPHIC SYNCHRONIZERS, THERMOMETERS, PHOTOGRAPHIC TIMERS, PHOTOGRAPHIC TITLERS, PHOTOGRAPHIC TRIMMERS, AND PHOTOGRAPHIC TRIPODS.

Claims use since Sept. 1, 1943.

Ser. No. 482,719. WARD MANUFACTURING COMPANY, North Arlington, N. J. Filed Apr. 27, 1945.

M'LADY'S NU VUE

Applicant is the owner of registration No. 407,751.

FOR SPECTACLE FRAMES.

Claims use since March 1945.

Ser. No. 483,188. NATIONAL-SIMPLEX-BLUDWORTH, INC., New York, N. Y. Filed May 10, 1945.



THE SPICE OF THE PROGRAM

FOR MOTION PICTURES.

Claims use since Feb. 2, 1945.

Ser. No. 483,487. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Filed May 17, 1945.



FOR ELECTROMAGNETICALLY-OPERATED FATIGUE TESTING MACHINES, AND PHOTOGRAPHIC ARTICLES, ACCESSORIES, AND EQUIPMENT—NAMELY, PHOTO-FLASH EQUIPMENT INCLUDING PHOTO-FLASH LAMPS AND REFLECTORS THEREFOR, PHOTO-FLASH POWER SUPPLY UNITS AND PHOTO-FLASH CURRENT-CONTROLLING MEANS.

Claims use since October 1937 to fatigue testing machines; and since July 1940 to remainder of goods.

Ser. No. 483,488. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Filed May 17, 1945.

RAYTHEON

FOR ELECTROMAGNETICALLY-OPERATED FATIGUE TESTING MACHINES, AND PHOTOGRAPHIC ARTICLES, ACCESSORIES, AND EQUIPMENT—NAMELY, PHOTO-FLASH EQUIPMENT INCLUDING PHOTO-FLASH LAMPS AND REFLECTORS THEREFOR, PHOTO-FLASH POWER SUPPLY UNITS AND PHOTO-FLASH CURRENT-CONTROLLING MEANS.

Claims use since October 1937 on fatigue testing machines; and since July 1940 on remainder of goods.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 478,437. RIMA WATCH COMPANY, New York, N. Y. Filed Jan. 9, 1945.



The words "Standard of Time" are claimed only as shown.

FOR WATCHES, CLOCKS, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, AND WATCHES WITH BRACELETS ATTACHED AND SOLD AS A UNIT.
Claims use since Dec. 1, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 471,975. GEMEX COMPANY, Union, N. J. Filed July 7, 1944.

GEMEX

GEM QUALITY

Applicant is the owner of Reg. Nos. 236,004 and 369,627. The words "Gem Quality" are disclaimed apart from the mark.
FOR WRIST WATCH BRACELETS, AND BRACELETS NOT INCLUDING WATCHES, MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME.
Claims use since August 1939.

Ser. No. 479,665. CORO, INC., New York, N. Y. Filed Feb. 10, 1945.

COLLEGIATE

FOR NECKLACES, BRACELETS, NOT INCLUDING WATCHES, RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since Jan. 1, 1922.

Ser. No. 481,140. GAMMA IOTA ALPHA, Brooklyn, N. Y. Filed Mar. 21, 1945.

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FOR RECOGNITION BADGES, LAPEL BUTTONS; SCARF, LAPEL, AND BREAST PINS; CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS ALL OF PRECIOUS METAL.
Claims use since Jan. 29, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 470,019. THE DICELER CORPORATION, Greenville, Pa. Filed May 8, 1944.

DICELER

FOR ELECTRICAL REFRIGERATORS.
Claims use since Jan. 1, 1925.

Ser. No. 482,736. EBCO MANUFACTURING COMPANY, Columbus, Ohio. Filed Apr. 28, 1945.

OASIS

FOR WATER COOLING APPARATUS HAVING ELECTRICALLY POWERED REFRIGERATING UNITS.
Claims use since August 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 460,662. THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill. Filed May 15, 1943.

FIRESIDE

FOR WINDOW SHADES AND ROLLERS.
Claims use since Jan. 1, 1930.

Ser. No. 469,920. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed May 3, 1944.

LITTLE CHIEF

FOR HIGH CHAIRS, ROCKING CHAIRS, HARDWOOD CHAIRS, UPHOLSTERED ROCKERS, PLAY PENS, BABY CRIBS, CHAIR ROCKERS, DESK AND CHAIR SETS, TABLE AND TWO CHAIR SETS, AND OAK ROCKERS.
Claims use since Mar. 27, 1944.

Ser. No. 478,982. WINNER INDUSTRIES, Minneapolis, Minn. Filed Jan. 24, 1945.

HIDEE-DOR

The word "Dor" is disclaimed apart from the mark.
FOR SHELVES AND HANGERS FOR DOORS.
Claims use since July 7, 1944.

Ser. No. 480,114. KURSH PAPER COMPANY, Cleveland, Ohio. Filed Feb. 22, 1945.

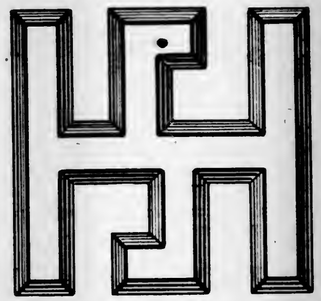
Nature's Slumber Board

Applicant disclaims the words "Slumber Board" except as shown.
FOR RECTANGULARLY-SHAPED BOARD COMPOSED OF A SEMI-PLASTIC CELLULOSIC MATERIAL FOR USE BETWEEN THE SPRING AND MATTRESS IN BEDS AND COUCHES.
Claims use since Oct. 15, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 480,701. THE HANNA STOKER COMPANY, Cincinnati, Ohio. Filed Mar. 9, 1945.



FOR PARTS FOR FUEL STOKERS—NAMELY THE PARTS DESCRIBED AS GEAR COVER, THRUST BEARING CAP, HOPPER BALL, CONDUIT SOCKET, TRANSFER CONDUIT RING, BALL SLEEVE, RISER CONDUIT RING, RISER CONDUIT, RISER CONDUIT BALL, ADJUSTABLE DELIVERY HEAD, RIGID DELIVERY HEAD, DOOR PLATE, DOOR HOUSING BAFFLE, KNUCKLE SLEEVE, OIL BOX, LATCH HANDLE, HANDLE LEVER, BLAST CHAMBER AND DISTRIBUTING PLATE.
Claims use since January 1930.

Ser. No. 481,473. ELGIE C. FLINNER, Kansas City, Mo. Filed Mar. 29, 1945.

PORT-A-CAMP KITCHEN TRADE MARK

The words "Camp" and "Kitchen" and "Trade-Mark" are disclaimed apart from the mark.

FOR COOKING EQUIPMENT IN THE NATURE OF FIELD KITCHENS COMPRISING A GASOLINE STOVE AND UTENSILS NECESSARY IN THE HANDLING AND COOKING OF FOODS SOLD AS A UNIT.
Claims use since Mar. 24, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 474,576. CALLAWAY MILLS, Lagrange, Ga. Filed Sept. 25, 1944.

CALLAWAY MILLS

No claim is made to the notation "Callaway Mills" apart from the mark.
FOR COTTON FIBRE FOR MACHINERY PACKING.
Claims use since June 30, 1944.

Ser. No. 475,977. PIONEER RUBBER MILLS, San Francisco, Calif. Filed Nov. 1, 1944.

WEARSO

FOR GARDEN HOSE AND FIRE HOSE.
Claims use since Nov. 5, 1919, on garden hose; and since Mar. 15, 1942, on fire hose.

Ser. No. 482,324. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Apr. 19, 1945.

ROTOVANE

FOR PNEUMATIC TIRES.
Claims use since July 27, 1944.

Ser. No. 483,698. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed May 23, 1945.

CYCLECADE

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since July 4, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 483,022. INTERNATIONAL PLASTIC HARMONICA CORPORATION, Newark, N. J. Filed May 5, 1945.

MAGNUS

The drawing is lined for shading only.
FOR HARMONICAS.
Claims use since Apr. 10, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 472,249. THE MARTIN CANTINE COMPANY, Saugerties, N. Y. Filed July 14, 1944.

CANFOLD

FOR ENAMELED BOOK PAPER.
Claims use since 1915.

Ser. No. 480,388. THE ROOS COMPANY, New York, N. Y. Filed Mar. 1, 1945.

PENTAGON

FOR WOOD ENCASED LEAD PENCILS.
Claims use since Feb. 10, 1945.

Ser. No. 481,491. PROTECTIVE PACKAGING CORPORATION, Newark, N. J. Filed Mar. 29, 1945.

PROPACK

Applicant disclaims the word "Pack" apart from the mark as shown.
FOR WRAPPING PAPER AND PAPER WRAPPERS.
Claims use since January 1945.

Ser. No. 481,527. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Mar. 30, 1945.

Love Letters

No claim is made to the word "Letters" apart from the mark.
FOR WRITING PAPER AND ENVELOPES.
Claims use since Apr. 15, 1943.

Ser. No. 481,800. WALTER LAWRENCE POOL, Norfolk, Va. Filed Apr. 6, 1945.

W.L.P.

FOR BLANK COLLECTION BOOKS.
Claims use since Feb. 3, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 473,175. ANGLO-AMERICAN PUBLISHING COMPANY LIMITED, Toronto, Ontario, Canada. Filed Aug. 11, 1944.

THE PURPLE RIDER

FOR COMIC STRIP.
Claims use since Apr. 15, 1944.

Ser. No. 473,176. ANGLO-AMERICAN PUBLISHING COMPANY LIMITED, Toronto, Ontario, Canada. Filed Aug. 11, 1944.

Red Rover

FOR COMIC STRIP.
Claims use since Apr. 15, 1944.

Ser. No. 477,733. CONSOLIDATED NEWS FEATURES, INC., New York, N. Y. Filed Dec. 19, 1944.

BOBBY SOX

FOR COMIC NEWSPAPER FEATURE.
Claims use since Nov. 20, 1944.

Ser. No. 481,869. UNITED STATES WAR DEPARTMENT, Washington, D. C. Filed Apr. 7, 1945.

YANK
THE ARMY WEEKLY

No claim is made to the notation "The Army Weekly" apart from the mark.
FOR ARMY WEEKLY HAVING A CIRCULATION CONFINED EXCLUSIVELY TO THE ENLISTED AND OFFICER PERSONNEL OF THE UNITED STATES ARMY AND CONTAINING NEWS ITEMS, STORIES AND ILLUSTRATIONS INTENDED TO BE OF INTEREST SOLELY TO ARMY PERSONNEL.
Claims use since June 17, 1942.

CLASS 39

CLOTHING

Ser. No. 469,938. THE O'SULLIVAN RUBBER COMPANY, INC., Winchester, Va. Filed May 4, 1944.

O'Sullivan's

The word "O'Sullivan's", as used in the trade-mark, is a facsimile of the handwriting of Humphrey O'Sullivan, at one time treasurer of O'Sullivan Rubber Company, applicants predecessor in business.
FOR RUBBER HEELS AND SOLES FOR BOOTS AND SHOES.
Claims us since October 1904.

Ser. No. 475,306. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Oct. 13, 1944.



The drawing is lined to represent dark brown to the left of the stem of the leaf representation, mixed pale green and shades of brown and yellow to the right of the stem, and light brown on the remaining portions of the pictorial representation. Applicant is the owner of Trade-Mark No. 273,530 of August 5, 1930.
FOR MEN'S HATS.
Claims use since 1933.

Ser. No. 479,248. MILLER BROS. HAT CO. INC., New York, N. Y. Filed Jan. 31, 1945.



FOR MEN'S HATS.
Claims use since Jan. 5, 1945.

Ser. No. 480,002. TWEEDIE FOOTWEAR CORPORATION, Jefferson City, Mo. Filed Feb. 19, 1945.

SUBURBANS

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 22, 1945.

Ser. No. 480,963. TOP-NOTCH MANUFACTURING COMPANY, El Paso, Tex. Filed Mar. 15, 1945.

PAT'N PATSY

FOR CHILDREN'S AND INFANTS' PLAY GARMENTS—NAMELY, OVERALLS, CREEPERS, COVERALLS, CRAWLERS, SUNSUITS, TODDLERS, AND WASH SUITS.
Claims use since Feb. 22, 1945.

Ser. No. 481,117. MILLER BROS. HAT CO. INC., New York, N. Y. Filed Mar. 20, 1945.

101

FOR MEN'S HATS.
Claims use since February 1922.

Ser. No. 481,129. SKYBRITE UNDERWEAR MILLS, New York, N. Y. Filed Mar. 20, 1945.

Skybrite

FOR LADIES' AND CHILDREN'S UNDERWEAR, SLIPS, NIGHTGOWNS, PAJAMAS.
Claims use since Mar. 12, 1945.

Ser. No. 481,175. FREDERICK M. BURNS, White Plains, N. Y. Filed Mar. 22, 1945.

Forever Young

The word "Young" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES, DRESS AND JACKET ENSEMBLES, SKIRTS, JACKETS, BLOUSES, SUITS, COATS, COAT AND SUIT ENSEMBLES, SLACKS, HALTERS, AND BATHING SUITS.
Claims use since Jan. 11, 1944.

Ser. No. 481,370. GOODYEAR RUBBER SUNDRIES, INC., New Haven, Conn. Filed Mar. 27, 1945.

Plasti-cleer

The word "Cleer" is disclaimed apart from the mark.
FOR BABY PANTS.
Claims use since Mar. 19, 1945.

Ser. No. 481,454. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Mar. 29, 1945.

AKOM LOCKER

FOR MEN'S, BOYS' AND CHILDREN'S UNDERWEAR AND KNITTED OUTWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORT COATS.
Claims use since Mar. 1, 1945.

Ser. No. 481,636. LIBERTY HOSIERY MILLS, Liberty, N. C. Filed Apr. 2, 1945.

ORIEL

FOR HOSIERY.
Claims use since Feb. 15, 1945.

Ser. No. 481,976. BOSTON KNITTING MILLS, INC., Newton, Mass. Filed Apr. 11, 1945.

QUICKEES

FOR BOYS' SHORTS AND SHIRTS, INFANTS' NIGHTGOWNS, SHIRTS, BANDS, AND BINDERS, GIRLS' UNDERCLOTHES AND INFANTS' AND CHILDREN'S TRAINING PANTS.
Claims use since 1940.

Ser. No. 482,138. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

ALPINE DOWNS

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since July 1, 1930.

Ser. No. 482,145. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

Merchanteer

FOR MEN'S SACK COATS AND MEN'S OVERCOATS.
Claims use since Mar. 1, 1926.

Ser. No. 482,148. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

Park Fifty

FOR MEN'S COATS, VESTS, PANTS, AND OVERCOATS.
Claims use since Dec. 1, 1927.

Ser. No. 482,151. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

ROYAL IMPERIAL

FOR MEN'S COATS, VESTS, PANTS, AND OVERCOATS.
Claims use since Mar. 1, 1925.

Ser. No. 482,153. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945.

WEATHERLY CLOTH

Applicant is the owner of Reg. No. 241,219, dated Apr. 17, 1928, showing the trade-mark "Weatherly Cloth." The word "Cloth" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' COATS, PANTS, VESTS, AND OVERCOATS.
Claims use since Sept. 1, 1925.

Ser. No. 482,242. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 17, 1945.

CASHERE GRANDE

FOR OVERCOATS FOR MEN AND BOYS.
Claims use since Mar. 28, 1928.

Ser. No. 482,245. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 17, 1945. Under 10-year proviso.

STEIN BLOCH

FOR COATS, VESTS, PANTS AND OVERCOATS FOR MEN AND BOYS; OUTER COATS, SPORT JACKETS AND SUITS FOR WOMEN.
Claims use since Jan. 1, 1890.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 474,951. A. EDWARD FUNKE & COMPANY, New York, N. Y. Filed Oct. 5, 1944.

HATS OFF TO HAIRBOWS

Applicant disclaims the word "Hairbows" apart from the mark.
FOR HAIR BOWS.
Claims use since September 1944.

Ser. No. 478,595. POLARAY COMPANY, New York, N. Y. Filed Jan. 13, 1945.

Pycolite

FOR THIMBLES, KNITTING NEEDLES, SPINDLES FOR HOLDING SPOOLS OF THREAD FOR USE IN ART NEEDLEWORK ALL MADE OF PLASTICS MOLDED FROM POWDERED RESINS.
Claims use since Jan. 3, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 471,605. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed June 24, 1944.

Bonafide HERBERT Fabrics

No claim is made to the words "Bonafide" and "Fabrics" apart from the mark shown.
FOR PIECE GOODS OF COTTON, RAYON, AND MIXTURES OF COTTON AND RAYON.
Claims use since Mar. 3, 1944.

Ser. No. 471,725. WULLSCHLEGER & CO., New York, N. Y. Filed June 27, 1944.

PLACIDA

FOR FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF.
Claims use since June 1944.

Ser. No. 473,971. WULLSCHLEGER & CO., New York, N. Y. Filed Sept. 7, 1944.

GLAD RAGS

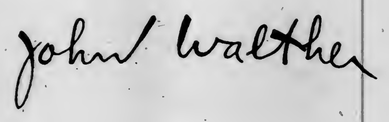
FOR RAYON PIECE GOODS.
Claims use since July 1944.

Ser. No. 479,070. JOSEPH GLUCK, New York, N. Y. Filed Jan. 27, 1945.

JO-GLO FABRICS

Applicant disclaims the words "Glo" and "Fabrics" except as shown.
FOR RAYON PIECE GOODS.
Claims use since November 1944.

Ser. No. 479,318. JOHN WALTHER FABRICS, INC., New York, N. Y. Filed Feb. 1, 1945.



The facsimile signature is that of John Walther, president of applicant corporation.
FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since January 1933.

Ser. No. 479,427. EARNSHAW KNITTING COMPANY, Newton, Mass., now by change of name to The Vanta Company. Filed Feb. 5, 1945.



The picture is fanciful.
FOR INFANTS' AND CHILDREN'S WASH CLOTHS, TOWELS, BATH BLANKETS AND SHEETS, ALL MADE OF KNITTED MATERIAL.
Claims use since July 15, 1925.

Ser. No. 481,690. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Filed Apr. 4, 1945.

DURAGLAZE

FOR COTTON GOODS IN THE PIECE, AND PARTICULARLY CHINTZ.
Claims use since Sept. 8, 1944.

Ser. No. 481,731. HARRY ZOHN, doing business as Zohn Textile Co., New York, N. Y. Filed Apr. 4, 1945.



FOR SHEETS AND PILLOW CASES.
Claims use since Feb. 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 474,974. JAMES LESLIE YOUNGHUSBAND, Chicago, Ill. Filed Oct. 5, 1944.

NAPPONS

FOR TAMPONS.
Claims use since Sept. 6, 1941.

Ser. No. 475,696. ERNEST G. HUSBAND, doing business as Husband Dental Supply Co., Burbank, Calif. Filed Oct. 25, 1944.

HUDSCO

FOR DENTAL INSTRUMENTS—NAMELY, DIAMOND FILES AND ABRASIVE TOOLS HAVING DIAMONDS AS THEIR GRINDING SURFACES.
Claims use since Feb. 1, 1942.

Ser. No. 475,749. CANADIAN RADIUM & URANIUM CORPORATION, New York, N. Y. Filed Oct. 27, 1944.

ALPHATRON

FOR APPARATUS FOR APPLYING THE RAYS OF RADIOACTIVE MATERIAL.
Claims use since Oct. 2, 1944.

Ser. No. 477,585. RUBICON, doing business as The Antique Shoppe, New York, N. Y. Filed Dec. 14, 1944.

Odolite

FOR LAMPS USED TO BURN A DEODORIZING CHEMICAL.
Claims use since Nov. 2, 1944.

Ser. No. 481,012. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 17, 1945.

Calxine

The mark consists of the word "Calxine."
FOR TEMPORARY DENTAL CEMENT.
Claims use since April 1909.

Ser. No. 481,555. ROCKLAND DENTAL CO., INC., Sparkill, N. Y. Filed Mar. 30, 1945.



FOR POWDER AND LIQUID OF METHYL METHACRYLATE PREPARED IN TEN DIFFERENT COLORS AND SHADES USED IN THE RESTORATION OF DECAYED TEETH AND FOR THE CONSTRUCTION OF CROWNS AND BRIDGES AND ALSO AS INLAYS BY THE INDIRECT METHOD.
Claims use since Apr. 20, 1944.

Ser. No. 481,849. H. D. JUSTI & SON, INC., Philadelphia, Pa. Filed Apr. 7, 1945.

DENTA PEARL *Cyclo-Mold*

The words "Pearl" and "Mold" are disclaimed apart from the mark.
FOR ARTIFICIAL TEETH FORMED OF ACRYLIC RESINS.
Claims use since July 26, 1944.

Ser. No. 483,715. REX COLE, INC., Long Island City, N. Y. Filed May 24, 1945.



FOR DIATHERMY HEATING APPARATUS FOR THERAPEUTIC USES.
Claims use since Oct. 28, 1941.

Ser. No. 483,752. AIRADIO, INCORPORATED, Stamford, Conn. Filed May 25, 1945.

helio-therm

FOR THERAPEUTIC LAMPS.
Claims use since May 21, 1945.

Ser. No. 483,757. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y. Filed May 25, 1945.

PARALATRUM

FOR WAX COMPOSITION USED FOR DENTAL PURPOSES.
Claims use since May 10, 1945.

Ser. No. 483,988. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed May 30, 1945.

WISHBONE

FOR ARCH SUPPORTS.
Claims use since Oct. 2, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 469,138. CHARLES F. THOMPSON, Fresno, Calif. Filed Apr. 7, 1944.



No claim is made to the representation of the goods apart from the mark.
FOR ICE CREAM AND FROZEN DESSERTS.
Claims use since Apr. 25, 1943.

Ser. No. 470,458. MIDWEST MINERAL COMPANY, Greenwood, Ind. Filed May 20, 1944.

VI-TONIC

Applicant disclaims the syllables "Tonic" apart from the mark.
FOR MIXTURE OF STOCK FEED CONSISTING OF YEAST IN THE FORM OF IRRADIATED YEAST AND DRIED YEAST CULTURE, AMERICAN WORM SEED, GENTIAN, AND FENUGREEK AND MINERALS.
Claims use since Oct. 11, 1927.

Ser. No. 475,156. MILLER-JOHNS COMPANY, Phoenix, Ariz. Filed Oct. 10, 1944.

YELLO-GOLD

Applicant is the owner of registration No. 248,975.
FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since Feb. 1, 1928.

Ser. No. 475,919. MILLER-JOHNS COMPANY, Phoenix, Ariz. Filed Oct. 31, 1944.

CAMEL BACK



FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since June 1924.

Ser. No. 476,082. SFO-PE, Providence, R. I. Filed Nov. 3, 1944.

Sfo-Pé

FOR PASTRIES—NAMELY, COOKIES, PLAIN, FILLED AND ICED, AND CHOCOLATES.
Claims use since May 1, 1944.

Ser. No. 478,325. HILLTOP FARM FEED COMPANY, Minneapolis, Minn. Filed Jan. 6, 1945.

HI-PO

FOR POULTRY FEEDS—NAMELY, GROWING MASH, SCRATCH FEEDS, AND FATTENING MASHES.
Claims use since Feb. 1, 1931.

Ser. No. 478,631. FRED A. HILL, Redlands, Calif. Filed Jan. 15, 1945.

TIGER HEAD



FOR FRESH ORANGES.
Claims use since 1905.

Ser. No. 479,113. FERDINAND DALO, SR., doing business as F. Dalo, Sharon, Pa. Filed Jan. 29, 1945.

Dalo's HUMBUGS

Applicant disclaims the surname "Dalo's" and the representation of the goods apart from the mark.
FOR CANDY.
Claims use since Sept. 15, 1937.

Ser. No. 479,941. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed Feb. 17, 1945.

V·P·S·R

FOR CANDY.
Claims use since Dec. 15, 1922.

Ser. No. 480,806. THE THOROBREAD COMPANY, Cincinnati, Ohio. Filed Mar. 10, 1945.



FOR DOG FOOD.
Claims use since January 1932.

Ser. No. 481,183. TONY GUZZETTA, doing business as Dew-Kist Vegetable Co., Ontario, Calif. Filed Mar. 22, 1945.

Green Forest

No claim is made to the word "Green" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since Mar. 9, 1945.

Ser. No. 481,244. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill. Filed Mar. 23, 1945.

Fyxit

FOR FLAVORING CONCENTRATES FOR FOOD FLAVORING PURPOSES.
Claims use since Mar. 8, 1945.

Ser. No 481,402. G. H. DULLE MILLING CO., Jefferson City, Mo. Filed Mar. 28, 1945.

CANDY KID

FOR DOG FEED MEAL.
Claims use since Jan. 10, 1925.

Ser. No. 482,445. SOUTHERN RICE SALES COMPANY INC., New York, N. Y. Filed Apr. 21, 1945.

CAROLINE
BRAND

Applicant is the owner of Reg. Nos. 263,200 and 378,384. The word "Brand" is disclaimed apart from the mark.
FOR CLEAN MILLED RICE.
Claims use since Apr. 4, 1945.

Ser. No. 483,012. J. BLAN VAN URK, doing business as van Urk Foods, New York, N. Y. Filed May 4, 1945.



LITTLE CHARLIE

FOR CANNED VEGETABLES, CANNED FISH, AND CANDY.
Claims use since Apr. 21, 1945.

Ser. No. 483,281. PORTER & WENTZ, INC., Brownsville, Tex. Filed May 12, 1945.

TEXGLOBE

FOR FRESH TOMATOES.
Claims use since May 2, 1945.

CLASS 47
WINES

Ser. No. 468,893. MARCO IMPORTING CO., Chicago, Ill. Filed Mar. 31, 1944.



The drawing is lined for shading only.
FOR WINES.
Claims use since December 1933.

Ser. No. 482,220. PETRI CIGAR COMPANY, INC., doing business as Petri Wine Company, San Francisco, Calif. Filed Apr. 16, 1945.

Angelo Petri

NOT GENUINE WITHOUT THIS SIGNATURE

The name shown is in the handwriting of Angelo Petri. No claim is made to the wording other than "Angelo Petri, apart from the mark.
FOR VERMOUTH.
Claims use since 1938.

CLASS 48
MALT BEVERAGES AND LIQUORS

Ser. No. 482,552. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed Apr. 24, 1945.

LOTOS

FOR BEVERAGE MADE OF MALT AND CEREALS AND CONTAINING NOT MORE THAN THE LEGAL CONTENT OF ALCOHOL.
Claims use since October 1919.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 448,581. RONRICO CORPORATION, San Juan, P. R., and Miami, Fla. Filed Nov 12, 1941.

PURPLE 151 PROOF LABEL

No claim is made to the words "151 Proof" except as shown. No claim is made to a label colored purple.

FOR DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY RUM.

Claims use since Oct. 15, 1941.

Ser. No. 475,130. SCHENLEY INTERNATIONAL CORPORATION, New York, N. Y. Filed Oct. 9, 1944.

DELPRADO

FOR RUM, BRANDY, WHISKEY, GIN AND ALCOHOLIC CORDIALS

Claims use since April 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 477,926. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill. Filed Dec. 26, 1944.

FOR NON-ELECTRICAL ADVERTISING DISPLAY SIGNS.

Claims use since November 1901.

Ser. No. 480,750. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 10, 1945.

VELIDE

FOR ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING.

Claims use since Nov. 1, 1944.

Ser. No. 480,751. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 10, 1945.

VELOHIDE

FOR ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING.

Claims use since Nov. 1, 1944.

Ser. No. 480,752. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 10, 1945.

VELOID

FOR ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING.

Claims use since Nov. 1, 1944.

Ser. No. 481,479. FRANK H. KORAB, doing business as Harrison Den Co., Kansas City, Kans. Filed Mar. 29, 1945.

The
COMPANION
Pocket Cross

The words "Pocket Cross" are disclaimed apart from the mark.

FOR POCKET PIECE IN THE FORM OF A CROSS MADE OF NON-PRECIOUS MATERIAL.

Claims use since Mar. 15, 1945.

Ser. No. 481,852. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y. Filed Apr. 7, 1945.

FURLONG

FOR MATRICES.

Claims use since Feb. 26, 1945.

Ser. No. 482,618. L. A. DARLING COMPANY, Bronson, Mich. Filed Apr. 26, 1945.

DARLING

Applicant is the owner of trade-mark registration No. 407,933.

FOR MERCHANDISE DISPLAY FORMS FOR CHILDREN'S, MEN'S, AND WOMEN'S APPAREL ARTICLES, AND CHILDREN'S, MEN'S AND WOMEN'S MANNEQUINS.

Claims use since October 1938.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. Serial No. 481,874; July 17. Class 3.

Airadio, Incorporated, Stamford, Conn. Therapeutic lamps. Serial No. 483,752; July 17. Class 44.

American Cyanamid & Chemical Corporation, New York, N. Y. Synthetic resins. Serial No. 479,409; July 17. Class 6.

Anglo-American Publishing Company Limited, Toronto, Ontario, Canada. Comic strip. Serial Nos. 473,175–6; July 17. Class 38.

Antique Shoppe: *See*—
Rubicon.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. Serial No. 481,454; July 17. Class 39.

Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax composition. Serial No. 483,757; July 17. Class 44.

B & P Laboratories, Chicago, Ill. Hair pomade. Serial No. 479,105; July 17. Class 6.

Babson Bros. Co., Chicago, Ill. Inflations or flexible linings for the shell of a tent cup assembly. Serial No. 478,675; July 17. Class 23.

Bancroft, Joseph & Sons Co. Wilmington Del. Cotton goods in the piece. Serial No. 481,090; July 17. Class 42.

Bantam-U. S. Toys, Inc., New York, N. Y. Cloth covered stuffed dolls and toy animals. Serial No. 481,732; July 17. Class 22.

Bareco Oil Company, Tulsa, Okla. Petroleum products. Serial No. 470,171; July 17. Class 15.

Bell Company, Incorporated, Chicago, Ill. Chemical rust remover and rust preventive. Serial No. 480,041; July 17. Class 6.

Blum, Samuel, New York, N. Y. Pocketbooks and billfolds. Serial No. 483,511; July 17. Class 3.

Boston Knitting Mills, Inc., Newton, Mass. Boys' shorts and shirts, infants' nightgowns, etc. Serial No. 481,976; July 17. Class 39.

Burns, Frederick M., White Plains, N. Y. Ladies' and misses' dresses, dress and jacket ensembles, skirts, etc. Serial No. 481,175; July 17. Class 39.

Callaway Mills, La Grange, Ga. Oiled cloth. Serial No. 474,575; July 17. Class 20.

Callaway Mills, La Grange, Ga. Cotton fibre for machinery packing. Serial No. 474,576; July 17. Class 35.

Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus for applying the rays of radio-active material. Serial No. 475,749; July 17. Class 44.

Cantine, Martin, Company, The, Saugerties, N. Y. Enameled book paper. Serial No. 472,249; July 17. Class 37.

Carnegie, Ilattie, Inc., New York, N. Y. Cream for the face. Serial No. 477,319; July 17. Class 6.

Carpenter Steel Company, The, Reading, Pa. Steel in the form of wire, strips, bars, etc. Serial Nos. 481,356–9; July 17. Class 14.

Carvanite Products, Los Angeles, Calif. Occasional boxes and salt and pepper shakers. Serial No. 478,532; July 17. Class 2.

Castall Corporation, The, Youngstown, Ohio. Fishing bobbers. Serial No. 482,832; July 17. Class 22.

Charlton House, Inc., New York, N. Y. Cream intended to be used on the skin surfaces. Serial No. 482,045; July 17. Class 6.

Chedic, Walter C., doing business as Pacific Graphite Works, Oakland, Calif. Facing and core binder. Serial No. 469,664; July 17. Class 1.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Temporary dental cement. Serial No. 481,012; July 17. Class 44.

Climax Engineering Company, Clinton, Iowa, assignor to General Finance Corporation, Chicago, Ill. Internal combustion engine-electric generator units and electric lighting plants. Serial No. 463,834; July 17. Class 21.

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. Serial No. 482,415; July 17. Class 23.

Cole, Rex, Inc., Long Island City, N. Y. Diathermy heating apparatus for therapeutic uses. Serial No. 483,715; July 17. Class 44.

Columbus Plastic Products Inc., Columbus, Ohio. Bath room and lavatory fixtures and accessories. Serial No. 480,889; July 17. Class 13.

Consolidated News Features, Inc., New York, N. Y. Comic newspaper feature. Serial No. 477,733; July 17. Class 38.

Coraltex, Inc., Los Angeles, Calif. Wall and ceiling board. Serial Nos. 474,153–4; July 17. Class 12.

Coro, Inc., New York, N. Y. Necklaces, bracelets, rings, etc. Serial No. 479,665; July 17. Class 28.

Curly Lox Products: *See*—
Plate, Robert T.

Dalo, F.: *See*—
Dalo, Ferdinand.

Dalo, Ferdinand, Sr., doing business as F. Dalo, Sharon, Pa. Candy. Serial No. 479,113; July 17. Class 46.

Darling, L. A., Company, Bronson, Mich. Merchandise display forms. Serial No. 482,618; July 17. Class 50.

Dew-Kist Vegetable Co.: *See*—
Guzzetta, Tony.

Diceler Corporation, The, Greenville, Pa. Electrical refrigerators. Serial No. 470,019; July 17. Class 31.

Distillation Products, Inc., Rochester, N. Y. Chemical oil obtained by vacuum distillation of fish oils. Serial No. 475,751; July 17. Class 6.

Dulle, G. H., Milling Co., Jefferson City, Mo. Dog feed meal. Serial No. 481,402; July 17. Class 46.

Earnshaw Knitting Company, Newton, Mass., now by change of name to The Vanta Company. Infants' and children's wash cloths, towels, bath blankets, etc. Serial No. 479,427; July 17. Class 42.

Eaton Paper Corporation, Pittsfield, Mass. Writing paper and envelopes. Serial No. 481,527; July 17. Class 37.

Ebco Manufacturing Company, Columbus, Ohio. Water cooling apparatus. Serial No. 482,736; July 17. Class 31.

Edgewood Farms, Inc., Ridgefield, N. J. Grass seeds. Serial No. 481,528; July 17. Class 1.

Erie Resistor Corporation, Erie, Pa. Electrical resistors and electrical condensers. Serial No. 480,568; July 17. Class 21.

Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.

Fashion Park, Inc., Rochester, N. Y.. Coats, vests, pants, and overcoats for men and boys. Serial No. 482,138; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's sack coats and men's overcoats. Serial No. 482,145; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants and overcoats. Serial No. 482,148; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants and overcoats. Serial No. 482,151; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' coats, pants, vests and overcoats. Serial No. 482,153; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Overcoats for men and boys. Serial No. 482,242; July 17. Class 39.

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants and overcoats for men and boys, etc. Serial No. 482,245; July 17. Class 39.

Federal Electric Company, Inc., Chicago, Ill. Non-electrical advertising display signs. Serial No. 477,926; July 17. Class 50.

Federal Electric Company, Inc., Chicago, Ill. Plastic pipe and tubing. Serial No. 477,927; July 17. Class 13.

Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Artificial leather. Serial Nos. 480,750–2; July 17. Class 50.

Flexicore Company, Inc., The, New York, N. Y. Reinforced concrete beams. Serial No. 480,318; July 17. Class 12.

Flinner, Elgie C., Kansas City, Mo. Cooking equipment in the nature of field kitchens. Serial No. 481,473; July 17. Class 34.

Funke, A. Edward, & Company, New York, N. Y. Hair bows. Serial No. 474,951; July 17. Class 40.

Gamma Iota Alpha, Brooklyn, N. Y. Recognition badges, lapel buttons, cuff links, etc. Serial No. 481,140; July 17. Class 28.

Gardner Machine Company, South Beloit, Ill. Abrasive elements. Serial No. 479,844; July 17. Class 4.

Garlick Films, Ltd., Ottawa, Ontario, Canada. Lens adapters, darkroom aprons, cameras, etc. Serial Nos. 472,808–9; July 17. Class 26.

Gemex Company, Union, N. J. Wrist watch bracelets and bracelets. Serial No. 471,975; July 17. Class 28.

General Finance Corporation: *See*—
Climax Engineering Company, assignor.

Gluck, Joseph, New York, N. Y. Rayon piece goods. Serial No. 479,070; July 17. Class 42.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires. Serial No. 482,324; July 17. Class 35.

Goodyear Rubber Sundries, Inc., New Haven, Conn. Baby pants. Serial No. 481,370; July 17. Class 39.

Great Lakes Paint and Varnish: *See*—
Great Lakes Varnish Works, Inc.

Great Lakes Varnish Works, Inc., also doing business under the name Great Lakes Paint and Varnish, Chicago, Ill. Linoleum lacquer. Serial No. 480,449; July 17. Class 16.

Guzzetta, Tony, doing business as Dew-Kist Vegetable Co., Ontario, Calif. Fresh vegetables. Serial No. 481,183; July 17. Class 46.

Hall Hardware Company, Minneapolis, Minn. Ready mixed gloss paint. Serial No. 479,930; July 17. Class 16.

Hall Hardware Company, Minneapolis, Minn. Paint enamel. Serial No. 479,931; July 17. Class 16.

Hanna Stoker Company, The, Cincinnati, Ohio. Parts for fuel stokers. Serial No. 480,701; July 17. Class 34.

Harrison Den Co.: *See*—
Korab, Frank H.

Hendon, Lois L., Marion, Ala. Dolls. Serial No. 474,411; July 17. Class 22.

Herbert Manufacturing Company, New York, N. Y. Piece goods. Serial No. 471,605; July 17. Class 42.

Hill, Fred A., Redlands, Calif. Fresh oranges. Serial No. 478,631; July 17. Class 46.

Hilltop Farm Feed Company. Minneapolis, Minn. Poultry feeds. Serial No. 478,325; July 17. Class 46.

Howard Sales Company, Council Bluffs, Iowa. Plug-in letters. Serial No. 478,455; July 17. Class 22.

Howell Company, Inc., The, New Orleans, La. Disinfectant antiseptic. Serial No. 482,380; July 17. Class 6.

Husband Dental Supply Co.: *See*—
Husband, Ernest G.

Husband, Ernest G., doing business as Husband Dental Supply Co., Burbank, Calif. Dental instruments. Serial No. 475,696; July 17. Class 44.

Industrial Raw Materials Company: *See*—
Aufhauser, Alfred.

International Plastic Harmonica Corporation, Newark, N. J. Harmonicas. Serial No. 483,022; July 17. Class 36.

Johnston, Robert A., Company, Milwaukee, Wis. Candy. Serial No. 479,941; July 17. Class 46.

Justi, H. D., & Son, Inc., Philadelphia, Pa. Artificial teeth. Serial No. 481,849; July 17. Class 44.

Korab, Frank H., doing business as Harrison Den Co., Kansas City, Kans. Pocket piece in the form of a cross. Serial No. 481,479; July 17. Class 50.

Kursh Paper Company, Cleveland, Ohio. Rectangularly-shaped board composed of a semi-plastic cellulosic material. Serial No. 480,114; July 17. Class 32.

Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, tobacco pouches, etc. Serial No. 471,528; July 17. Class 8.

Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. Serial No. 463,207; July 17. Class 4.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts and lipstick holders. Serial No. 482,165; July 17. Class 2.

Liberty Hosiery Mills, Liberty, N. C. Hosiery. Serial No. 481,636; July 17. Class 39.

Linde Air Products Company, The, New York, N. Y. Electric welding torches. Serial No. 464,053; July 17. Class 21.

Lindsay & Lindsay, Chicago, Ill. Prefabricated metal structural shapes and sheets. Serial Nos. 464,703–5; July 17. Class 2.

Marco Importing Co., Chicago, Ill. Wines. Serial No. 468,893; July 17. Class 47.

Marine Canvas Supply Corporation, Brooklyn, N. Y. Canvas paint. Serial No. 481,331; July 17. Class 16.

Mason, Allen G., and Pierson B. Waller, Morganfield, Ky. Chemical preparation for removing rust, scale, etc. Serial No. 478,463; July 17. Class 6.

McWilliams, Marjorie P., Los Angeles, Calif. Purses. Serial No. 482,941; July 17. Class 3.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. Serial No. 481,852; July 17. Class 50.

Merrel, Wm. S., Company, The, Cincinnati, Ohio. Preparation in tablet form for treating estrogenic deficiency. Serial No. 481,548; July 17. Class 6.

Midwest Mineral Company, Greenwood, Ind. Mixture of stock feed. Serial No. 470,458; July 17. Class 46.

Miller Bros. Hat Co. Inc., New York, N. Y. Men's hats. Serial No. 479,248; July 17. Class 39.

Miller Bros. Hat Co. Inc., New York, N. Y. Men's hats. Serial No. 481,117; July 17. Class 39.

Miller-Johns Company, Phoenix, Ariz. Fresh vegetables and fresh melons. Serial No. 475,156; July 17. Class 46.

Miller-Johns Company, Phoenix, Ariz. Fresh vegetables and fresh melons. Serial No. 475,919; July 17. Class 46.

National Oil Products Company, Harrison, N. J. Detergent for general industrial use. Serial No. 480,469; July 17. Class 4.

National-Simplex-Bludworth, Inc., New York, N. Y. Motion pictures. Serial No. 483,188; July 17. Class 26.

Nuodex Products Co., Inc., Elizabeth, N. J. Ink driers. Serial No. 481,119; July 17. Class 11.

O'Sullivan Rubber Company, Inc., The, Winchester, Va. Adhesive cements. Serial No. 469,236; July 17. Class 5.

O'Sullivan Rubber Company, Inc., The, Winchester, Va. Rubber heels and soles. Serial No. 469,938; July 17. Class 39.

Pacific Graphite Works: *See*—
Chedic, Walter C.

Parfums De Renel, Inc., Mt. Vernon, N. Y. Perfume and toilet water. Serial No. 481,646; July 17. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. Serial Nos. 474,090–1; July 17. Class 11.

Peet, E. M., Manufacturing Company, Council Bluffs, Iowa, Indianapolis, Ind., and Oakland, Calif. Preparation for elimination of worms in livestock; insecticide; etc. Serial No. 468,814; July 17. Class 6.

Petri Cigar Company, Inc., doing business as Petri Wine Company, San Francisco, Calif. Vermouth. Serial No. 482,220; July 17. Class 47.

Petri Wine Company: *See*—
Petri Cigar Company, Inc.

Petrolite Corporation, Ltd., St. Louis Mo. Chemical composition. Serial No. 472,785; July 17. Class 6.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. Serial No. 483,698; July 17. Class 35.

Philco Corporation, Philadelphia, Pa. Window sash seal gaskets and fibre board and air conditioning sound absorbing materials. Serial No. 478,825; July 17. Class 12.

Pioneer Rubber Mills, San Francisco, Calif. Garden hose and fire hose. Serial No. 475,977; July 17. Class 35.

Plate, Robert T., doing business as Curly Lox Products, Detroit, Mich. Compacts. Serial No. 478,899; July 17. Class 2.

Polaray Company, New York, N. Y. Tumblers, soap dishes, soap boxes, etc. Serial No. 478,593; July 17. Class 2.

Polaray Company, New York, N. Y. Thimbles, knitting needles, spindles, etc. Serial No. 478,595; July 17. Class 40.

Pool, Walter Lawrence, Norfolk, Va. Blank collection books. Serial No. 481,800; July 17. Class 37.

Porter & Wentz, Inc., Brownsville, Tex. Fresh tomatoes. Serial No. 483,281; July 17. Class 46.

Price Flavoring Extract Company, Chicago, Ill. Flavoring concentrates. Serial No. 481,244; July 17. Class 46.

Protective Packaging Corporation, Newark, N. J. Wrapping paper and paper wrappers. Serial No. 481,491; July 17. Class 37.

Quaker Chemical Products Corporation, Conshohocken, Pa. Chemicals and oil. Serial No. 473,332; July 17. Class 4.

Ratheon Manufacturing Company, Newton, Mass. Electromagnetically-operated fatigue testing machines and photographic articles, accessories and equipment. Serial Nos. 483,487–8; July 17. Class 26.

Relaco Manufacturing Co.: *See*—
Stern, Siegfried.

Remington Rand Inc., Buffalo, N. Y. Talcum powder, particularly talcum powder in stick form. Serial No. 472,710; July 17. Class 6.

Renwal Mfg. Co. Inc., New York, N. Y. Toy furniture made of plastics. Serial No. 482,893; July 17. Class 22.

Renwal Manufacturing Co., Inc., New York, N. Y. Plastic toy aeroplanes. Serial No. 482,894; July 17. Class 22.

Rich, Ivor, New York, N. Y. Empty toilet cases and kits. Serial No. 478,902; July 17. Class 3.

Rima Watch Company, New York, N. Y. Watches, clocks, watch cases, etc. Serial No. 478,437; July 17. Class 27.

Rockland Dental Co., Inc., Sparkill, N. Y. Powder and liquid of methyl methacrylate. Serial No. 481,555; July 17. Class 44.

Ronrico Corporation, San Juan, P. R., and Miami, Fla. Distilled alcoholic liquors. Serial No. 448,581; July 17. Class 49.

Roos Company, The, New York, N. Y. Wood encased lead pencils. Serial No. 480,388; July 17. Class 37.

Rubicon, doing business as The Antique Shoppe, New York, N. Y. Lamps used to burn a deodorizing chemical. Serial No. 477,585; July 17. Class 44.

Scheidt, Adam, Brewing Company, Norristown, Pa. Beverage made of malt and cereals. Serial No. 482,552; July 17. Class 48.

Schenley International Corporation, New York, N. Y. Rum, brandy, whiskey, etc. Serial No. 475,130; July 17. Class 49.

Schoble Hats, Philadelphia, Pa. Men's hats. Serial No. 475,306; July 17. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. Serial No. 483,988; July 17. Class 44.

Scott & Bowne, Bloomfield, N. J. Cough remedy. Serial No. 473,228; July 17. Class 6.

Scott & Bowne, Bloomfield, N. J. Skin ointment. Serial No. 473,229; July 17. Class 6.

Selby, Battersby & Co., Philadelphia, Pa. Anti-corrosive, irreversible emulsion of coal tar pitch. Serial No. 483,286; July 17. Class 12.

Selig Company, The, Atlanta, Ga. Dish washing compound. Serial No. 479,813; July 17. Class 4.

Sfo-Pe, Providence, R. I. Pastries. Serial No. 476,082; July 17. Class 46.

Sheffield Farms Company, Inc., New York, N. Y. Enzymatic hydrolysate of milk protein in powder form. Serial No. 481,557; July 17. Class 6.

Skybrite Underwear Mills, New York, N. Y. Ladies' and children's underwear, slips, nightgowns, pajamas, etc. Serial No. 481,129; July 17. Class 39.

Smith, Olive, Chicago, Ill. Perfume, lipstick, face powder, etc. Serial No. 481,085; July 17. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Wood floor preservative and sealer. Serial No. 480,203; July 17. Class 16.

Sonneborn, L., Sons, Inc., New York, N. Y. Synthetic water soluble detergent and soap substitute. Serial No. 480,204; July 17. Class 4.

Sonneborn, L., Sons, Inc., New York, N. Y. Rust inhibiting paint. Serial No. 480,206; July 17. Class 16.

Sonneborn, L., Sons, Inc., New York, N. Y. Soft soap concentrate. Serial No. 480,207; July 17. Class 4.

Sonneborn, L., Sons, Inc., New York, N. Y. Detergent and wetting agent for textile processing. Serial Nos. 480,212–13; July 17. Class 4.

Sonneborn, L., Sons, Inc., New York, N. Y. Ready mixed paints. Serial No. 480,475; July 17. Class 16.

Southern Rice Sales Company, Inc., New York, N. Y. Clean milled rice. Serial No. 482,445; July 17. Class 46.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Solvent and a sulphonate surface active agent. Serial No. 479,858; July 17. Class 6.

Stanley, John T., Co. Inc., New York, N. Y. Soap and shaving cream. Serial No. 478,523; July 17. Class 4.

Stern, Siegfried, doing business as Relaco Manufacturing Co., New York, N. Y. Insecticides. Serial No. 477,673; July 17. Class 6.

Sun Shoe Manufacturing Company, Chicago, Ill. Men's and ladies' wallets, men's leather pocket secretaries and keycases. Serial No. 479,313; July 17. Class 3.

Synvar Corporation, Wilmington, Del. Raw solid and liquid synthetic. Serial No. 474,103; July 17. Class 1.

Thompson, Charles F., Fresno, Calif. Ice cream and frozen desserts. Serial No. 469,138; July 17. Class 46.

Thorobread Company, The, Cincinnati, Ohio. Dog food. Serial No. 480,806; July 17. Class 46.

Top-Notch Manufacturing Company, El Paso, Tex. Children's and infants' play garments. Serial No. 480,963; July 17. Class 39.

Traver Corporation, Chicago, Ill. Merchandise bags and merchandise envelopes. Serial No. 477,441; July 17. Class 2.

Tweedie Footwear Corporation, Jefferson City, Mo. Women's, misses', and children's shoes. Serial No. 480,002; July 17. Class 39.

United States War Department, Washington, D. C. Army weekly. Serial No. 481,869; July 17. Class 38.

Van Pelt & Brown, Inc., Richmond, Va. Vitamin B_1 complex tablets. Serial No. 481,931; July 17. Class 6.

Vanta Company, The: *See*—
Earnshaw Knitting Company.

Van Urk Foods: *See*—
Van Urk, J. Blan.

Van Urk, J. Blan, doing business as Van Urk Foods, New York, N. Y. Canned vegetables, canned fish and candy. Serial No. 483,012; July 17. Class 46.

Waller, Pierson B.: *See*—
Mason, A. G., and Waller.

Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 479,318; July 17. Class 42.

Ward Manufacturing Company, North Arlington, N. J. Spectacle frames. Serial No. 482,719; July 17. Class 26.

Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Welding electrodes. Serials Nos. 480,393–4; July 17. Class 14.

Watkins, J. R., Company, The, Winona, Minn. Cologne and perfume. Serial No. 473,357; July 17. Class 6.

Western Auto Supply Company, Kansas City, Mo. High chairs, rocking chairs, hardwood chairs, etc. Serial No. 469,920; July 17. Class 32.

Western Shade Cloth Company, The, Chicago, Ill. Window shades and rollers. Serial No. 460,662; July 17. Class 32.

Winner Industries, Minneapolis, Minn. Shelves and hangers for doors. Serial No. 478,982; July 17. Class 32.

Wullschleger & Co., New York, N. Y. Fabrics in the piece. Serial No. 471,725; July 17. Class 42.

Wullschleger & Co., New York, N. Y. Rayon piece goods. Serial No. 473,971; July 17. Class 42.

Younghusband, James L., Chicago, Ill. Tampons. Serial No. 474,974; July 17. Class 44.

Zohn, Harry, doing business as Zohn Textile Co., New York, N. Y. Sheets and pillow cases. Serial No. 481,731; July 17. Class 42.

Zohn Textile Co.: *See*—
Zohn, Harry.

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Trade-Mark Registrations Canceled

Re. 174,444. Coal. Harrisburg Coal Mining Co., Chicago, Ill. Registered Oct. 16, 1923. Canceled July 6, 1945.

235,219. Certain named clothing. The Hart Co., Long Prairie, Minn. Registered Nov. 15, 1927. Canceled June 21, 1945.

235,654. Textile blankets. The Hart Co., Long Prairie, Minn. Registered Nov. 22, 1927. Canceled June 21, 1945.

272,369. Hosiery. Paul Guenther, Inc., New York, N. Y. Registered July 8, 1930. Canceled June 21, 1945.

279,871. Hosiery. Paul Guenther, Inc., New York, N. Y. Registered Feb. 3, 1931. Canceled June 21, 1945.

330,341. Certain named foods. Estate of Abraham Shalit, doing business as Estate of A. Shalit, New York, N. Y. Registered Nov. 26, 1935. Canceled July 6, 1945.

349,803. Beer and ale. Lion Brewery of New York City, New York, N. Y. Registered Sept. 7, 1937. Canceled June 21, 1945.

388,236. Wines. B. Cribari & Sons, New York, N. Y. Registered June 17, 1941. Canceled July 6, 1945.

388,259. Certain named clothing. National Blouse Corp., New York, N. Y. Registered June 17, 1941. Canceled June 21, 1945.

391,349. Certain named clothing. Samuel J. Goldfarb, New York, N. Y. Registered Oct. 28, 1941. Canceled July 6, 1945.

402,046. Whiskey. College Inn Food Products Co., Chicago, Ill. Registered June 22, 1943. Canceled June 21, 1945.

402,259. Certain named chemicals. Emery Industries, Inc., Cincinnati, Ohio. Registered July 13, 1943. Canceled July 6, 1945.

404,564. Certain named medicines. Specific Pharmaceuticals, Inc., New York, N. Y. Registered Dec. 7, 1943. Canceled July 3, 1945.

410,421. Cardboard. Blum Folding Paper Box Co., Inc., New York, N. Y. Registered Nov. 21, 1944. Canceled June 21, 1945.

410,714. Crushed emery. Empire Emery Corp., New York, N. Y. Registered Dec. 12, 1944. Canceled June 21, 1945.

411,069. Soaps. Nu-Pro Mfg. Co., St. Louis, Mo. Registered Jan. 2, 1945. Canceled July 6, 1945.

411,175. Certain named furniture. R. Pagano Sons, Inc., Brooklyn, N. Y. Registered Jan. 2, 1945. Canceled July 6, 1945.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,349,390, S. L. Tolman, System for treating sewage, decided June 18, 1945, claims 13, 14, and 15.

Pat. 2,327,001, J. F. Schott, Pore surfaced foam rubber and method, decided June 12, 1945, claim 2.

Erratum

Page 606 of the OFFICIAL GAZETTE of June 26, 1945. Trade-Mark Registrations Renewed, No. 25,036, description of mark, for "OMEGO" read *OMEGA*.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Condition of Applications Under Examination at Close of Business July 7, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 63,827; Trade-Mark Division, 2,638. Oldest new case, July 28, 1944; oldest amended, July 29, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 26	Nov. 17	940
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Tertile Wringers; Butchering.	Aug. 21	Aug. 18	1169
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 2	Oct. 5	1202
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 31	Dec. 29	681
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	July 31	July 29	1643
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 16	Nov. 10	1146
7. JARBOE, C. G., Optics, Photography	†Feb. 8	†Feb. 15	950
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 17	†Jan. 24	897
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 5	Oct. 2	1104
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 14	†Feb. 14	328
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 7	Aug. 12	1347
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	†Jan. 8	725
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Jan. 23	†Jan. 9	720
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 30	Nov. 9	817
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 6	†Jan. 2	761
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 15	Sept. 2	618
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 21	1110
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 29	Oct. 13	706
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Dec. 29	Jan. 19	711
21. THOMPSON, T. J., Textiles	†Jan. 18	†Jan. 19	432
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 9	Nov. 9	1288
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Dec. 6	143
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 1	†Jan. 6	819
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 19	Nov. 7	951
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 14	Oct. 10	1122
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 4	982
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 19	Sept. 5	966
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 10	Oct. 9	1465
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 13	Nov. 23	1195
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 14	†Feb. 16	737
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 26	†Jan. 19	844
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 13	Dec. 14	994
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 10	Nov. 9	595
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 5	Oct. 3	907
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 12	Nov. 6	693
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 12	Sept. 14	1088
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Nov. 4	Oct. 18	818
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 12	Oct. 21	1197
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 20	Nov. 11	1424
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 14	502
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 2	†Jan. 6	636
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 31	Oct. 12	764
44. HARVEY, L. P., Refrigeration; Preserving	July 28	Aug. 17	655
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Oct. 17	Nov. 1	1217
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 12	Oct. 12	701
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 29	Dec. 28	1023
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 1	Nov. 2	1144
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 12	†Jan. 11	655
50. LEVIN, SAMUEL, Synthetic Resins	Dec. 7	Dec. 7	1476
51. CROCKER, A. W., Radiant Energy; Modulators	Oct. 30	Oct. 31	1725
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 16	Sept. 25	1503
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1223
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 7	Aug. 18	1239
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Dec. 8	Nov. 25	798
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 2	Oct. 2	972
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 4	Sept. 29	1005
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 29	Dec. 21	709
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Aug. 24	Sept. 5	1378
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 26	Oct. 21	1033
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 17	982
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 13	Aug. 28	1768
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 7	Oct. 11	1323
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 2	†Mar. 1	760
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 24	Aug. 31	1291
Trade-Marks: RICHMOND, F. A.	†Apr. 2	†May 25	2638
Designs: KALUPY, H. H.	†May 2	†June 6	1110

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

PRECISION INSTRUMENT MANUFACTURING COMPANY, LARSON, AND SNAP-ON TOOLS CORPORATION
v.
AUTOMOTIVE MAINTENANCE MACHINERY COMPANY

No. 377. Decided April 23, 1945

[— U. S. —; 65 USPQ 133]

1. CERTIORARI.
Certiorari granted because of the public importance of the issues involved.

2. EQUITY—CLEAN HANDS.
"The guiding doctrine in this case is the equitable maxim that 'he who comes into equity must come with clean hands.' This maxim is far more than a mere banality. It is a self-imposed ordinance that closes the doors of a court of equity to one tainted with inequitableness or bad faith relative to the matter in which he seeks relief, however improper may have been the behavior of the defendant."

3. SAME—SAME.
"This maxim necessarily gives wide range to the equity court's use of discretion in refusing to aid the unclean litigant. It is 'not bound by formula or restrained by any limitation that tends to trammel the free and just exercise of discretion.' * * * Accordingly one's misconduct need not necessarily have been of such a nature as to be punishable as a crime or as to justify legal proceedings of any character. Any willful act concerning the cause of action which rightfully can be said to transgress equitable standards of conduct is sufficient cause for the invocation of the maxim by the chancellor."

4. SAME—SAME—PUBLIC INTEREST.
"Where a suit in equity concerns the public interest as well as the private interests of the litigants this doctrine assumes even wider and more significant proportions. For if an equity court properly uses the maxim to withhold its assistance in such a case it not only prevents a wrongdoer from enjoying the fruits of his transgression but averts an injury to the public."

5. PATENTS—PATENT RIGHTS—PUBLIC INTEREST.
"Automotive has sought to enforce several patents and related contracts. Clearly these are matters concerning far more than the interests of the adverse parties. The possession and assertion of patent rights are 'issues of great moment to the public.' * * * A patent by its very nature is affected with a public interest. As recognized by the Constitution, it is a special privilege designed to serve the public purpose of promoting the 'Progress of Science and useful Arts.' At the same time, a patent is an exception to the general rule against monopolies and to the right to access to a free and open market."

6. EQUITY—CLEAN HANDS—PUBLIC INTEREST.
"The far-reaching social and economic consequences of a patent, therefore, give the public a paramount interest in seeing that patent monopolies spring from backgrounds free from fraud or other inequitable conduct and that such monopolies are kept within their legitimate scope. The facts of this case must accordingly be measured by both public and private standards of equity. And when such measurements are made, it becomes clear that the district court's action in dismissing the complaints and counterclaims 'for want of equity' was more than justified."

7. SAME—SAME—SAME.
"The history of the patents and contracts in issue is steeped in perjury and undisclosed knowledge of perjury. Larson's application was admittedly based upon false data which destroyed whatever just claim it might otherwise have had to the status of a patent. Yet Automotive, with at least moral and actual certainty if not absolute proof of the facts concerning the perjury, chose to act in disregard of the public interest. Instead of doing all within its power to reveal and expose the fraud, it procured an outside settlement of the interference proceedings, acquired the Larson application itself, turned it into a patent and barred the other parties from ever questioning its validity. Such conduct does not conform to minimum ethical standards and does not justify Automotive's present attempt to assert and enforce these perjury-tainted patents and contracts."

8. SAME—SAME—SAME.
"Automotive's hands are not automatically cleansed by its alleged failure to possess sufficiently trustworthy evidence of perjury to warrant submission of the case to the District Attorney or to the Patent Office during the pendency of the interference proceedings. The important fact is that Automotive had every reason to believe and did believe that Larson's application was fraudulent and his statements perjured. Yet it acted in complete disregard of that belief."

9. PATENTS—PROCEEDINGS IN THE PATENT OFFICE—DUTY TO REPORT FRAUD.
"Those who have applications pending with the Patent Office or who are parties to Patent Office proceedings have an uncompromising duty to report to it all facts concerning possible fraud or inequitableness underlying the applications in issue. * * * This duty is not excused by reasonable doubts as to the sufficiency of the proof of the inequitable conduct nor by resort to independent legal advice. Public interest demands that all facts relevant to such matters be submitted formally or informally to the Patent Office, which can then pass upon the sufficiency of the evidence. Only in this way can that agency act to safeguard the public in the first instance against fraudulent patent monopolies. Only in that way can the Patent Office and the public escape from being classed among the 'mute and helpless victims of deception and fraud.' * * *"

10. SAME—INTERFERENCE—OUTSIDE SETTLEMENT.
"Outside settlements of interference proceedings are not ordinarily illegal. But where, as here, the settlement is grounded upon knowledge or reasonable belief of perjury which is not revealed to the Patent Office or to any other public representative, the settlement lacks that equitable nature which entitles it to be enforced and protected in a court of equity."

11. EQUITY—CLEAN HANDS.
"Automotive has not displayed that standard of conduct requisite to the maintenance of this suit in equity. That the actions of Larson and Precision may have been more reprehensible is immaterial. The public policy against the assertion and enforcement of patent claims infected with fraud and perjury is too great to be overridden by such a consideration. Automotive knew of and suspected the perjury and failed to act so as to uproot it and destroy its effects. Instead, Automotive acted affirmatively to magnify and increase those effects. Such inequitable conduct impregnated Automotive's entire cause of action and justified dismissal by resort to the unclean hands doctrine."

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit. Reversed.

Mr. Justice ROBERTS dissenting with opinion. Mr. Justice JACKSON also dissenting with opinion.

Mr. Casper W. Ooms (*Mr. Will Freeman* on the brief) for Precision Instrument Manufacturing Company, Larson, and Snap-On Tools Corporation.

Mr. Frank Parker Davis (*Mr. Albert J. Smith* on the brief) for Automotive Maintenance Machinery Company.

Mr. Justice MURPHY delivered the opinion of the Court.

The respondent, Automotive Maintenance Machinery Company, charged in two suits that the various petitioners had infringed three patents owned by it relating to torque wrenches.[1] It was further asserted that the allegedly infringing acts also breached several contracts related to the patents. In defense, the petitioners claimed inter alia that Automotive possessed such "unclean hands" as to foreclose its right to enforce the patents and the contracts.

[1] The district court, at the close of a consolidated trial on the sole issue of Automotive's alleged inequitable conduct, delivered an oral opinion holding that Automotive's hands were soiled to such an extent that all relief which it requested should be denied. This opinion was subsequently withdrawn at the request of one of the witnesses and is not a part of the record. At the same time, however, the court entered written findings of fact and conclusions of law, forming the basis for a judgment dismissing the various complaints and counterclaims "for want of equity." On appeal, the circuit court of appeals reviewed the facts at length and concluded that the district court's findings of fact were not supported by substantial evidence and that its conclusions of law were not supported by its findings. The judgment was accordingly reversed. 143 F.(2d) 332. We brought the case here because of the public importance of the issues involved.

The basic facts necessary to a determination of the vital issues are clear and without material dispute. In chronological order they may be summarized as follows:

In 1937 and prior thereto Automotive manufactured and sold torque wrenches developed by one of its employees, Herman W. Zimmerman. During this period Snap-On Tools Corporation was one of its customers for these wrenches. Automotive also had in its employ at this time one George B. Thomasma, who worked with Zimmerman and who was well acquainted with his ideas on torque wrenches. In November, 1937, Thomasma secretly gave information to an outsider, Kenneth R. Larson, concerning torque wrenches. Together they worked out plans for a new wrench, although Thomasma claimed that it was entirely his own idea.

After unsuccessfully trying to interest other distributors, Larson made arrangements to supply Snap-On with the new torque wrench. On October 1, 1938, Larson filed an application for a patent on the newly-developed wrench, which application had been assigned to Snap-On several days prior thereto.[2] Then in December, 1938, Larson, Thomasma and one Walter A. Carlsen organized the Precision Instrument Manufacturing Company to make the wrenches to supply Snap-On's requirements. All three received stock and were elected officers and directors of the new company. Manufacture of the wrenches began in January, 1939, and Precision succeeded in taking away from Automotive all of Snap-On's business. Thomasma continued to work for Automotive until the latter discovered his connection with Precision and discharged him in June, 1939. Thomasma's connection with Precision was also concealed from Snap-On during most of this period.

Subsequently on October 11, 1939, the Patent Office declared an interference between certain claims in Larson's pending patent application and those in one filed by Zimmerman. Automotive was the owner of Zimmerman's application. Shortly after the interference was declared, R. E. Fidler, Automotive's attorney, wrote to the president of the company that the "whole situation confronting your opponents in this interference is quite messy, and I will be somewhat surprised if they fight the matter." He further wrote that if there was a contest "they will have a lot of explaining to do."

In August, 1940, Larson filed his preliminary statement in the Patent Office proceedings. In it he gave false dates as to the conception, disclosure, drawing, description and reduction to practice of his claimed invention. These dates were designed to antedate those in Zimmerman's application by one to three years. Larson also claimed that he was the sole inventor of his wrench. When Fidler learned of this preliminary statement he immediately suspected that "there must be something wrong with this picture" and suggested to Automotive's president that a "very careful and thorough investigation" be made of the situation. The president agreed. Fidler then employed several investigators who made oral reports to him from time to time. According to Fidler's memoranda of these reports, Fidler learned in great detail in August and September, 1940, the part that Thomasma played in the development of the Larson wrench and in the organization of Precision. He discovered that Thomasma claimed to have invented the wrench and that Larson "was now trying to freeze him out."

From October 24 to November 4, 1940, Larson and eight witnesses testified in the interference proceedings in support of his claims, corroborating his statements as to dates despite cross examination. The day before this testimony ended Thomasma met with Fidler and Automotive's president and stated that he had developed Larson's wrench and that Larson's patent application was a "frame-up." Fidler then procured from Thomasma an eighty-three page statement concerning these matters, which Thomasma swore to on November 15.

[1] The three patents involved are No. 2,279,792, issued on April 14, 1942, to Kenneth R. Larson; No. 2,283,888, issued on May 19, 1942, to H. W. Zimmerman; and Reissue No. 22,219, issued on November 3, 1942, to H. W. Zimmerman, based on original No. 2,269,503.

[2] Snap-on agreed to file the patent application for Larson, who was without funds, and took an assignment of the Larson application as security for performance of the agreement to supply wrenches.

As the district court found, this statement or affidavit "related in extensive detail the statements of Thomasma with respect to Larson's early work and disclosed such intimate knowledge thereof as to leave little doubt of the author's knowledge of the facts."

With these facts before him, Fidler admitted that he "personally was inclined to take the position that I should do something drastic" in the form of taking the matter up with the Patent Office or the District Attorney. He resolved his problem, however, by submitting it to an outside attorney. The latter advised him that his evidence was insufficient to establish Larson's perjury, that the Patent Office would not consider the matter until all proofs in the interference proceedings were in and that the District Attorney probably would not touch the situation while the interference proceedings were pending. Fidler followed his advice.

A few days later Fidler informed Larson's patent attorney, Harry C. Alberts, of the information disclosed in the Thomasma affidavit. Alberts admitted that "it looked very much like Larson had given false testimony" and asked that further examination of Thomasma be made in his presence. Accordingly, on November 28, Thomasma was examined orally before Alberts, Fidler and officials of Automotive and Snap-On. Thomasma repeated substantially the same story as in his affidavit. Snap-On's president said that if the story were true "the whole thing smells to the high heavens." And Alberts remarked that under the circumstances he felt he would have to withdraw as Larson's attorney.

On the same day, Alberts and Snap-On's president confronted Larson and Carlsen with the Thomasma story and demanded an explanation. Larson refused to commit himself on the truth of Thomasma's account but finally admitted that "my testimony is false and the whole case is false." Alberts then withdrew as their attorney,[3] giving them the names of three other lawyers, including M. K. Hobbs. The fact that Alberts withdrew was communicated by him to Fidler.

Larson and Carlsen called on Hobbs the next day, November 29. They told him they were willing to concede priority in Zimmerman and wanted Hobbs to settle the interference proceedings.[4] Hobbs took the case on that basis, making no effort to inquire into the reasons for the concession since he considered that matter immaterial. Even when Fidler tried to tell him later about the perjury, Hobbs stopped him for he "didn't want to hear the conflict in testimony."

Hobbs immediately undertook to settle the interference proceedings. On December 2 he proposed a settlement which included a concession of priority by Larson, but this proposal was apparently not satisfactory to all those concerned. Meanwhile Fidler presented the facts to another disinterested lawyer and asked him whether he thought there was enough evidence to bring a conspiracy suit for damages or a criminal action. The lawyer, after admitting that he did not have the slightest doubt but that Thomasma was telling the truth, replied in the negative.

On December 13 Fidler submitted a draft agreement that he had prepared. This draft contained a recital that "it has been determined by the parties hereto and their respective counsel that the party Zimmerman is the prior inventor of the subject matter involved in said Interference No. 77,565, as well as all other subject matter commonly disclosed in said Zimmerman and Larson applications." But this draft was likewise unacceptable.

For a time negotiations were broken off and resumption of the interference proceedings seemed imminent. One of the other attorneys for Automotive wrote a letter on December 19 to Alberts, who was still acting as attorney for Snap-On, stating that "you must recognize that a large part of the testimony taken on behalf of Snap-On and Larson is, to put it mildly, not the whole truth" and that "you are holding up the issuance of the Zimmerman patent without the slightest justification." Fidler, who had approved this letter, justified these remarks on the ground that "they had told us Zimmerman was the prior inventor and we hadn't yet received a concession of priority." In reply to this letter, Alberts charged that Automotive's attorneys were using "threatening accusations" and "duress" and that they were threatening to "unloose the dogs" unless they got everything they requested in the settlement.

Suddenly on the next day, December 20, negotiations were resumed and the parties quickly entered into three contracts, the first two of which are involved in this suit. These contracts, in their relevant parts, provided as follows:

(1) Under the Automotive and Precision-Larson agreement, Larson conceded priority in Zimmerman and Larson's application was to be assigned to Automotive. Automotive agreed to license Larson and Precision to complete their unfilled orders from Snap-On to the extent of about 6,000 wrenches, with a royalty to be paid on the excess. Automotive released Precision, Larson and their customers from liability for any past infringement and gave Precision and Larson a general release as to all civil damages. Finally, Precision and Larson acknowledged the validity of the claims of the patents to issue on the Larson and Zimmerman applications.

(2) Under the Automotive and Snap-On agreement, Snap-On agreed to reassign the Larson application to Precision and acknowledged the validity

[3] Alberts apparently never withdrew formally as Larson's attorney in the interference proceedings by filing a document to that effect in the Patent Office.

[4] Both Larson and Carlsen testified that they told Hobbs of the perjury and of the predicament they were in, stating to him that they did not want to be turned over to the District Attorney. Hobbs, however, denied that they informed him of these matters. It was at the request of Hobbs that the district court's oral opinion was withdrawn in order that, in the words of the district court, it would not be "construed as implying that Mr. Hobbs had willfully given false testimony or had been guilty of professional misconduct." The court further said that the record demonstrated "that the witness Hobbs did not testify falsely." Assuming that Hobbs gave no false testimony, however, we do not consider that fact to be of controlling significance in this case.

of the claims of the patents to issue on the Larson and Zimmerman applications. Automotive also gave Snap-On the right to sell the 6,000 wrenches then on order from Precision and released Snap-On from any past liability or damages.

(3) Under the Snap-On and Precision-Larson agreement, Snap-On reassigned to Larson and Precision whatever title Snap-On had to the Larson application. Precision agreed to manufacture and deliver to Snap-On the 6,000 wrenches then on order. Snap-On also assented to the Automotive and Precision-Larson agreement.

The Larson application was accordingly assigned to Automotive on December 20, 1940. Automotive subsequently received patents on both the Larson and Zimmerman applications after making certain changes. Then Precision began to manufacture and Snap-On began to sell a new wrench. Automotive claimed that this was an infringement of its patents and a breach of the contracts of December 20, 1940. Thus the suit arose which is now before us.

[2] The guiding doctrine in this case is the equitable maxim that "he who comes into equity must come with clean hands." This maxim is far more than a mere banality. It is a self-imposed ordinance that closes the doors of a court of equity to one tainted with inequitableness or bad faith relative to the matter in which he seeks relief, however improper may have been the behavior of the defendant. That doctrine is rooted in the historical concept of court of equity as a vehicle for affirmatively enforcing the requirements of conscience and good faith. This presupposes a refusal on its part to be "the abetter of iniquity." *Bein* v. *Heath*, 6 How. 228, 247. Thus while "equity does not demand that its suitors shall have led blameless lives," *Loughran* v. *Loughran*, 292 U. S. 216, 229, as to other matters, it does require that they shall have acted fairly and without fraud or deceit as to the controversy in issue. *Keystone Driller Co.* v. *General Excavator Co.*, 290 U. S. 240, 245, 440 O. G. 3; *Johnson* v. *Yellow Cab Co.*, 321 U. S. 383, 387; 2 Pomeroy, Equity Jurisprudence (5th Ed.) §§ 397–399.

[3] This maxim necessarily gives wide range to the equity court's use of discretion in refusing to aid the unclean litigant. It is "not bound by formula or restrained by any limitation that tends to trammel the free and just exercise of discretion." *Keystone Driller Co.* v. *General Excavator Co.*, supra, 245, 246. Accordingly one's misconduct need not necessarily have been of such a nature as to be punishable as a crime or as to justify legal proceedings of any character. Any willful act concerning the cause of action which rightfully can be said to transgress equitable standards of conduct is sufficient cause for the invocation of the maxim by the chancellor.

[4] Moreover, where a suit in equity concerns the public interest as well as the private interests of the litigants this doctrine assumes even wider and more significant proportions. For if an equity court properly uses the maxim to withhold its assistance in such a case it not only prevents a wrongdoer from enjoying the fruits of his transgression but averts an injury to the public. The determination of when the maxim should be applied to bar this type of suit thus becomes of vital significance. See *Morton Salt Co.* v. *Suppiger Co.*, 314 U. S. 488, 492–494, 536 O. G. 3.

[5][6] In the instant case Automotive has sought to enforce several patents and related contracts. Clearly these are matters concerning far more than the interests of the adverse parties. The possession and assertion of patent rights are "issues of great moment to the public." *Hazel-Atlas Glass Co.* v. *Hartford-Empire Co.*, 322 U. S. 238, 246. See also *Mercoid Corp.* v. *Mid-Continent Investment Co.*, 320 U. S. 661, 665, 561 O. G. 345; *Morton Salt Co.* v. *Suppiger Co.*, supra; *United States* v. *Masonite Corp.*, 316 U. S. 265, 278, 540 O. G. 3. A patent by its very nature is affected with a public interest. As recognized by the Constitution, it is a special privilege designed to serve the public purpose of promoting the "Progress of Science and useful Arts." At the same time, a patent is an exception to the general rule against monopolies and to the right to access to a free and open market. The far-reaching social and economic consequences of a patent, therefore, give the public a paramount interest in seeing that patent monopolies spring from backgrounds free from fraud or other inequitable conduct and that such monopolies are kept within their legitimate scope. The facts of this case must accordingly be measured by both public and private standards of equity. And when such measurements are made, it becomes clear that the district court's action in dismissing the complaints and counterclaims "for want of equity" was more than justified.

[7] The history of the patents and contracts in issue is steeped in perjury and undisclosed knowledge of perjury. Larson's application was admittedly based upon false data which destroyed whatever just claim it might otherwise have had to the status of a patent. Yet Automotive, with at least moral and actual certainty if not absolute proof of the facts concerning the perjury, chose to act in disregard of the public interest. Instead of doing all within its power to reveal and expose the fraud, it procured an outside settlement of the interference proceedings, acquired the Larson application itself, turned it into a patent and barred the other parties from ever questioning its validity. Such conduct does not conform to minimum ethical standards and does not justify Automotive's present attempt to assert and enforce these perjury-tainted patents and contracts.

Automotive contends that it did not have positive and conclusive knowledge of the perjury until the pleadings in the instant proceedings were filed and until Larson admitted his perjury on pretrial examination. It claims that prior thereto it only had Thomasma's affidavit and statements, which were uncorroborated and likely to carry little weight as against Larson and his eight witnesses. It is further pointed out that Fidler submitted what he knew of the facts to at least two independent attorneys, both of whom advised him that the evidence of perjury that he possessed was insufficient. From this it is argued, as the circuit court of appeals held, that while Automotive was "morally certain that Thomasma's story was true" there was no duty to report this uncorroborated information to either the District Attorney or the Patent Office.

[8] But Automotive's hands are not automatically cleansed by its alleged failure to possess sufficiently trustworthy evidence of perjury to warrant submission of the case to the District Attorney or to the Patent Office during the pendency of the interference proceedings. The important fact is that Automotive had every reason to believe and did believe that Larson's application was fraudulent and his statements perjured. Yet it acted in complete disregard of that belief. Never for a moment did Automotive or its representatives doubt the existence of this fraud. Fidler suspected it soon after he knew of Larson's claims. His suspicions were confirmed by his hired investigators. Then Thomasma revealed such intimate and detailed facts concerning the perjury as to convince all who heard him, despite certain reservations entertained by some persons concerning his trustworthiness. Moreover, Fidler was well aware that Alberts threatened to withdraw as Larson's counsel if he discovered from Larson that Thomasma's story was true and that Alberts in fact did so withdraw. The suspected perjury was further confirmed by Larson's sudden willingness to concede priority after he learned of Thomasma's story and by the admissions by Alberts and Snap-On that Zimmerman "was the prior inventor." And the very fact that Fidler saw fit to submit his proof to outside attorneys for advice is an indication of the substantiality of his belief as to Larson's perjury. With all this evidence before it, however, Automotive pursued the following course of action:

[9] 1. It chose to keep secret its belief and allegedly unsubstantial proof of the facts concerning Larson's perjury. We need not speculate as to whether there was sufficient proof to present the matter to the District Attorney. But it is clear that Automotive knew and suppressed facts that, at the very least, should have been brought in some way to the attention of the Patent Office, especially when it became evident that the interference proceedings would continue no longer. Those who have applications pending with the Patent Office or who are parties to Patent Office proceedings have an uncompromising duty to report to it all facts concerning possible fraud or inequitableness underlying the applications in issue. Cf. *Crites, Inc.*, v. *Prudential Co.*, 322 U. S. 408, 415. This duty is not excused by reasonable doubts as to the sufficiency of the proof of the inequitable conduct nor by resort to independent legal advice. Public interest demands that all facts relevant to such matters be submitted formally or informally to the Patent Office, which can then pass upon the sufficiency of the evidence. Only in this way can that agency act to safeguard the public in the first instance against fraudulent patent monopolies. Only in that way can the Patent Office and the public escape from being classed among the "mute and helpless victims of deception and fraud." *Hazel-Atlas Glass Co.* v. *Hartford-Empire Co.*, supra, 246.

[10] 2. Instead of pursuing the interference proceedings and proving the fact that Zimmerman's claims had priority over those asserted by Larson, Automotive chose to enter into an outside settlement with Larson, Precision and Snap-On, whereby Larson conceded priority. Outside settlements of interference proceedings are not ordinarily illegal. But where, as here, the settlement is grounded upon knowledge or reasonable belief of perjury which is not revealed to the Patent Office or to any other public representative, the settlement lacks that equitable nature which entitles it to be enforced and protected in a court of equity.

3. By the terms of the settlement, Automotive secured the perjured Larson application and exacted promises from the other parties never to question the validity of any patent that might be issued on that application. Automotive then made numerous changes and expansions as to the claims in the application and eventually secured a patent on it without ever attempting to reveal to the Patent Office or to anyone else the facts its possessed concerning the application's fraudulent ancestry. Automotive thus acted to compound and accentuate the effects of Larson's perjury.

[11] These facts all add up to the inescapable conclusion that Automotive has not displayed that standard of conduct requisite to the maintenance of this suit in equity. That the actions of Larson and Precision may have been more reprehensible is immaterial. The public policy against the assertion and enforcement of patent claims infected with fraud and perjury is too great to be overridden by such a consideration. Automotive knew of and suspected the perjury and failed to act so as to uproot it and destroy its effects. Instead, Automotive acted affirmatively to magnify and increase those effects. Such inequitable conduct impregnated Automotive's entire cause of action and justified dismissal by resort to the unclean hands doctrine. *Keystone Driller Co.* v. *General Excavator Co.*, supra.

We conclude, therefore, that the evidence clearly supported the district court's findings of fact and that these findings justified its conclusions of law. The court below erred in reversing its judgment.

Reversed.

Mr. Justice ROBERTS:

I think the writ should be dismissed or the judgment of the circuit court of appeals affirmed. The case ought not to have been taken by this Court. It involves merely the application of acknowledged principles of law to the facts disclosed by the record. Decision here settles nothing save the merits or demerits of the conduct of the respective parties. In

my view it is not the function of this Court to weigh the facts for the third time in order to choose between litigants, where appraisal of the conduct of each must affect the result.

Mr. Justice JACKSON is of the opinion that the judgment should be affirmed, as he takes the view of the facts set forth in the opinion of the court below. 143 F.(2d) 332.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Goldstein & Lall, their assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by John L. Priess, 82 W. Washington St., Chicago, Ill., to effect the cancellation of trade-mark registration of Goldstein & Lall, 163 West 23rd St., New York, N. Y., No. 378,429, dated June 11, 1940, and the notice of such proceeding sent by registered mail to the said Goldstein & Lall at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Goldstein & Lall, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 18, 1945.*

Health Candies, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Candymasters Incorporated, 3–5 N. 15th St., Minneapolis, Minn., to effect the cancellation of trade-mark registration of Health Candies, Inc., 2720 S. W. 28th Lane, Riverside Station, Miami, Fla., No. 288,759, dated November 3, 1931, and the notice of such proceeding sent by registered mail to the said Health Candies, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Health Candies, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE, for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 23, 1945.*

Deutz & Ortenberg, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Maison France, 101 West 37th St., New York 18, N. Y., to effect the cancellation of trade-mark registration of Deutz & Ortenberg, Inc., 2 West 33d St., New York, N. Y., No. 185,361, dated June 10, 1924, and the notice of such proceeding sent by registered mail to the said Deutz & Ortenberg, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Deutz & Ortenberg, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Disclaimers

Re. 22,413.—*John H. Voss*, Downers Grove, Ill. TELEPHONE SYSTEM. Patent dated Dec. 21, 1943. Disclaimer filed June 22, 1945, by the assignee, *Automatic Electric Laboratories, Inc.*; the inventor, consenting and joining in.

Hereby enters this disclaimer to claims 44, 59, 60, 61, 71, 77, 80, 87, 88, 89, 90, and 106 of said patent.

2,212,890.—*Herman G. Adler*, Detroit, Mich. GOVERNOR. Patent dated Aug. 27, 1940. Disclaimer filed June 20, 1945, by the assignee, *King-Seeley Corporation.*

Hereby enters this disclaimer to claims 1, 2, 4, 5, and 6 in said specification.

2,227,992.—*Ernst F. W. Alexanderson* and *Martin A. Edwards*, Schenectady, N. Y. DYNAMOELECTRIC MACHINE. Patent dated Jan. 7, 1941. Disclaimer filed June 22, 1945, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 9 and 10 of said patent.

2,242,771.—*Harold J. Baker, Jr.*, Flossmoor, Ill., and *William Mendius*, Munster, Ind. METHOD OF OPERATING POLYMERIZATION PLANTS. Patent dated May 20, 1941. Disclaimer filed June 22, 1945, by the assignee, *Sinclair Refining Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

2,264,189.—*Herman W. Richter*, Bridgewater, and *Harold R. Gillette*, Newton Highlands, Mass. RESINOUS FELTED FIBROUS COMPOSITION. Patent dated Nov. 25, 1941. Disclaimer filed June 23, 1945, by the inventors; the assignee, *Federal Electric Company, Inc.*, approving and concurring.

Hereby enters this disclaimer to claim 10 of said patent.

2,349,390.—*Samuel L. Tolman*, Columbus, Ohio. SYSTEM FOR TREATING SEWAGE. Patent dated May 23, 1944. Disclaimer filed July 2, 1945, by the assignee, *The Jeffrey Manufacturing Company.*

Hereby enters this disclaimer to claims 13, 14, and 15 in said specification.

Register of Patents Available for Licensing or Sale

Pat. 1,941,209. ROLLER BEARING SEPARATOR. Patented Dec. 26, 1933. Roller bearing separator or spacer with means to prevent rollers wearing the spacer into such contour or shape that the rollers become wedged or jammed. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Groups 33—73; 35—66. Reg. No. 51.

Pat. 1,994,996. THRUST BEARING. Patented Mar. 19, 1935. Utilizing a separator, with means to allow the length of the rollers to be considerably longer than usual, thus increasing the bearing capacity without increasing the diameter of the roller bearings. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Groups 33—73; 35—66. Reg. No. 52.

Re. Pat. 21,810. SELF-CONTAINED THRUST BEARING. Patented May 27, 1941. Separator and means to insure axial alinement of the races and concentric alinement of rolling elements positioned between opposing race members. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Group 35—66. Reg. No. 53.

Pat. 2,173,508. SEPARATING RACE RING THRUST BEARING. Patented Sept. 19, 1939. Separating and rolling load carrying elements positioned between opposing race rings which are allowed to separate when bearing is running free, separating elements are prevented from shuttling action. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Group 35—66. Reg. No. 54.

Pat. 2,241,032. LUBRICANT RETAINING CASING. Patented May 6, 1941. Means to axially concentrate and retain the centrifugally actuated lubricant within the bearing and prevent excessive lubricant loss when the bearing is working under a load. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Groups 35—66; 38—31. Reg. No. 55.

Pat. 2,245,196. THRUST FLANGE FOR ANTIFRICTION BEARING. Patented June 10, 1941. For contact with a retractive mechanism to better eliminate any torsional strains on the antifriction assembly. Has interchangeable working parts and can be fabricated with one stroke of a stamping press. (Owner) Walter E. Horrocks, 1794 Rosewood Ave., Lakewood, Ohio. Groups 33—73; 35—66. Reg. No. 56.

Pat. 2,282,360. LOCK WASHER FOR RETAINING PINS IN COUPLINGS. Patented May 12, 1942. Pins easily installed without the necessity of providing auxiliary means for compressing washer. (Owner) Walter E. Horrocks, 1494 Rosewood Ave., Lakewood, Ohio. Groups 33—71—91; 38—31. Reg. No. 57.

Pat. 1,958,521. MAGNETIC SEPARATOR. Patented May 15, 1934. Means and method of magnetically separating particles of low magnetic susceptibility. (Owner) C. Q. Payne, 230 Park Ave., New York, N. Y. Group 35—33. Reg. No. 58.

Pat. 2,188,517. MAGNETIC SEPARATOR. Patented Jan. 30, 1940. Means and method of magnetically separating particles of low magnetic susceptibility. (Owner) C. Q. Payne, 230 Park Ave., New York, N. Y. Group 35—33. Reg. No. 59.

Pat. 2,045,098. APPARATUS FOR MAGNETIC SEPARATION. Patented June 23, 1936. Means and method of magnetically separating particles of low magnetic susceptibility. (Owner) C. Q. Payne, 230 Park Ave., New York, N. Y. Group 35—33. Reg. No. 60.

Pat. 2,188,516. APPARATUS FOR MAGNETIC SEPARATION. Patented Jan. 30, 1940. Means and method of magnetically separating particles of low magnetic susceptibility. (Owner C. Q. Payne, 230 Park Ave., New York, N. Y. Group 35—33. Reg. No. 61.

Pat. 2,313,457. PROCESS AND APPARATUS FOR METALLURGICAL REDUCTION. Patented Mar. 9, 1943. Particularly suitable for the treatment of the ores, tin, lead, zinc, cadmium, mercury, copper, magnesium, and aluminum. (Owner) Chester Tietig, 435 Reading Road, Cincinnati 2, Ohio. Group 35—59. Reg. No. 62.

Pat. 1,974,089. PROCESS OF DECOLORIZING MINERAL OIL. Patented Sept. 18, 1934. Consists of adding fine raw activatable clay to a body of oil, injects a stream of acid anhydride gas which exerts an agitating effect on the oil and clay. Eliminates heavy agitating gear. (Owner) Chester Tietig, 435 Reading Road, Cincinnati 2, Ohio. Groups 29—11; 35—59. Reg. No. 63.

Pat. 2,280,358. WINDOW SHADE OR THE LIKE. Patented Apr. 21, 1942. Comprises two flexible transparent sheets with alternate light admitting and light blocking strips thereon and adjusting means whereby the amount of light entering through the shade can be varied. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 25—62. Reg. No. 64.

Pat. 2,369,325. PROCESS AND APPARATUS FOR MILITARY AND NAVAL MINING. Patented Feb. 13, 1945. A mine with a liquid explosive charge to be detonated by an electric current. May be armed or unarmed by remote control. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 33—2. Reg. No. 65.

Pat. 1,957,303. APPARATUS FOR DECOLORIZING AND FILTERING LIQUIDS. Patented May 1, 1934. Maintains the liquid at a given temperature; eliminates keeping filter presses at constant high heat in substantially the same operation. Filtering surfaces are constantly kept clean. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Groups 29—11; 35—59. Reg. No. 66.

Re. Pat. 20,957. LUBRICATING COMPOSITION. Patented Dec. 27, 1938. For internal combustion engines, comprising less than 5% and at least 0.10% of a heavy metal salt dissolved in oil. Leaves a residue of metal oxide in combustion chamber which works into pores of metal. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Groups 28—96; 29—11. Reg. No. 67.

Pat. 2,133,761. METHOD OF MAKING POROUS METAL OBJECTS. Patented Oct. 18, 1938. Comprises mixing powdered metals with reducible metal oxide, shaping under heavy pressure, sintering while preserving the shape, and impregnating with oil when cooled. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 33—12—72—73. Reg. No. 68.

Pat. 2,005,249. EXHAUST GAS PURIFIER. Patented June 18, 1935. Forms part of an exhaust pipe, utilizing a Venturi tube with means whereby carbon monoxide gas will be converted to carbon dioxide and the unburned oil and gasoline vapors substantially to carbon dioxide and water. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 38—31. Reg. No. 69.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:
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- Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
- Original application. (Facsimile petition, specification, oath, and drawings at present time.)
- Specification as originally filed. (As received in Office.)
- Specification as amended. (With amendments entered.)
- Specification as allowed. (As passed by the Examiner for issue.)
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- Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

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Drawings

RULE 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

RULE 52—EXTRACT

(*f*) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

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TRADE-MARKS

OFFICIAL GAZETTE, JULY 24, 1945

[VOL. 576. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 480,196. A. L. SIEGEL CO., INC., New York, N. Y. Filed Feb. 24, 1945.

DUR-A-LON

FOR GARMENT BAGS, BLANKET BAGS, BREAD AND CAKE BAGS, LETTUCE BAGS, REFRIGERATOR BAGS AND SHOE BAGS.

Claims use since Feb. 1, 1945.

Ser. No. 481,770. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Apr. 6, 1945.

BEMITEX

FOR BAGS AND SACKS MADE OF TEXTILE MATERIALS.

Claims use since July 1, 1925.

Ser. No. 482,131. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Apr. 14, 1945.

AQUATEX

FOR PAPER BAGS AND SACKS.

Claims use since Sept. 11, 1944.

Ser. No. 483,762. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed May 25, 1945.



FOR METAL CANS.

Claims use since Nov. 11, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 481,476. HEYE-MELAS, San Antonio, Tex. Filed Mar. 29, 1945.

MAGALUM

FOR BRIDLE BITS, RIDING SPURS, SADDLE DEES, AND HARNESS RINGS.

Claims use since Feb. 10, 1945.

Ser. No. 481,893. FRIEDMAN-LOBEL, INC., New York, N. Y. Filed Apr. 9, 1945.

PLASTIQUE KORDAY

The word "Plastique" is disclaimed apart from the mark.

FOR LADIES' HANDBAGS.

Claims use since Feb. 17, 1944.

Ser. No. 484,052. CHARLES L. KING, New York, N. Y. Filed June 1, 1945.



FOR BILLFOLDS, PURSES, HANDBAGS, WALLETS, POCKETBOOKS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, CATALOGUE CASES, AND LUGGAGE AND PORTFOLIO STRAPS.

Claims use since May 15, 1945.

Ser. No. 484,053. CHARLES L. KING, New York, N. Y. Filed June 1, 1945.



FOR BILLFOLDS, PURSES, HANDBAGS, WALLETS, POCKETBOOKS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, CATALOGUE CASES, AND LUGGAGE AND PORTFOLIO STRAPS.
Claims use since May 15, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,214. L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945.

WHIPZIT

FOR GRANULAR MATERIAL USED ON FLOORS TO ABSORB GREASE AND OIL, AND ALSO AS A SWEEPING COMPOUND.
Claims use since 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 469,309. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Apr. 13, 1944.



The drawing is lined for black and mandarin orange. The word "Phillips" is disclaimed apart from the mark.
FOR INSECTICIDE FOR EXTERMINATION OF INSECTS.
Claims use since April 1933.

Ser. No. 474,996. CUTICO, INC., Orange, N. J. Filed Oct. 6, 1944.

Cutigroom

FOR TOILET PREPARATIONS—NAMELY, LIQUID PREPARATION FOR CONDITIONING AND/OR REMOVING CUTICLE ABOUT THE NAILS OF THE HANDS AND FEET.
Claims use since Aug. 21, 1944.

Ser. No. 474,997. CUTICO, INC., Orange, N. J. Filed Oct. 6, 1944.

Cutisolvent

FOR TOILET PREPARATIONS—NAMELY, LIQUID PREPARATION FOR CONDITIONING AND/OR REMOVING CUTICLE ABOUT THE NAILS OF THE HANDS AND FEET.
Claims use since Aug. 21, 1944.

Ser. No. 475,810. PARKE, DAVIS & COMPANY, Detroit, and Joseph Campau at the River, Mich. Filed Oct. 28, 1944.

VIDEROL

FOR BILE AND VITAMIN COMBINATION.
Claims use since Sept. 15, 1944.

Ser. No. 476,035. THE STAMINITE CORPORATION, New Haven, Conn. Filed Nov. 2, 1944.

SHEDZ

FOR CHEMICAL PREPARATION FOR THE TREATMENT OF WASHABLE FABRICS TO RENDER THE FABRICS WATERPROOF OR MOISTURE RESISTANT.
Claims use since Oct. 10, 1944.

Ser. No. 476,496. EDWARD A. BROWN, Newton Highlands, Mass. Filed Nov. 16, 1944.

DRIFTWOOD GLOW

No claim is made to the word "Glow" per se.
FOR CHEMICAL COMPOUNDS, PREPARATIONS AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL.
Claims use since Feb. 9, 1940.

Ser. No. 476,500. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 16, 1944.

FELLO-SED

FOR SEDATIVE ELIXIR.
Claims use since Nov. 8, 1944.

Ser. No. 477,247. CEDA DISTRIBUTING CO., Rochester, N. Y. Filed Dec. 5, 1944.

VALSE de FLEURS

FOR PERFUME, TOILET WATER, DUSTING POWDER, BUBBLE BATH LIQUID, BUBBLE BATH POWDER, AND SACHET.
Claims use since Sept. 15, 1940.

Ser. No. 478,529. WINTHROP PRODUCTS INC., New York, N. Y. Filed Jan. 11, 1945.

DOVINE

FOR INJECTABLE IODINE PREPARATION.
Claims use since Apr. 25, 1944.

Ser. No. 478,904. IVOR RICH, New York, N. Y. Filed Jan. 22, 1945.

Diplomat

FOR TALCUM POWDER.
Claims use since Aug. 15, 1944.

Ser. No. 479,788. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Feb. 14, 1945.

Add a little Ad

The wording "Add a little" is disclaimed apart from the mark.
FOR WATER SOFTENER.
Claims use since Jan. 8, 1943.

Ser. No. 480,013. MAUDE S. DEUTSCH, doing business as Accomplish Cosmetics Co., New York, N. Y. Filed Feb. 20, 1945.

ACCOMPLISH

FOR FACE AND BODY CREAMS.
Claims use since Jan. 25, 1945.

Ser. No. 480,403. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif. Filed Mar. 2, 1945.

Lanotex

FOR TOILET LANOLIN.
Claims use since Mar. 1, 1938.

Ser. No. 480,677. ROCHE-ORGANON, INC., Nutley, N. J. Filed Mar. 8, 1945.

NIDAN

FOR MEDICINAL PREPARATIONS WITH PROGESTATIONAL ACTIVITY.
Claims use since Feb. 13, 1945.

Ser. No. 481,496. JACK J. TAUSIG, New York, N. Y. Filed Mar. 29, 1945.

ESTROPLEX

FOR HYPODERMIC SOLUTION OF HIGHLY PURIFIED ESTROGENIC SUBSTANCES USED IN MENOPAUSAL CONDITIONS.
Claims use since Mar. 1, 1939.

Ser. No. 481,498. JACK J. TAUSIG, New York, N. Y. Filed Mar. 29, 1945.

SANSUL

FOR HYPODERMIC SOLUTION CONTAINING COLLOIDAL SULPHUR IN SOLUTION AND SODIUM SALTS OF SULPHUR USED IN ARTHRITIS THERAPY.
Claims use since Mar. 1, 1939.

Ser. No. 481,575. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 31, 1945.

KYNA

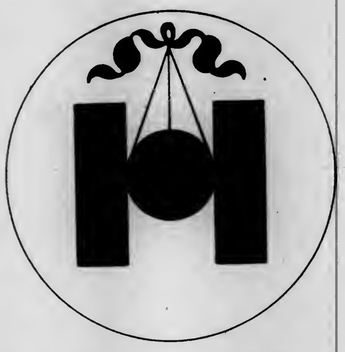
FOR PREPARATION FOR THE TREATMENT OF RHEUMATIC FEVER, RHEUMATOID ARTHRITIS, NEURALGIA, MIGRATING POLYARTHRITIS, GOUT, AND ALLIED CONDITIONS.
Claims use since Mar. 23, 1945.

Ser. No. 481,973. ABBOTT LABORATORIES, North Chicago, Ill. Filed Apr. 11, 1945.

ABBOCILLIN

FOR CHEMOTHERAPEUTIC AGENTS, MORE SPECIFICALLY ANTIBIOTICS OBTAINED FROM MOLDS OF THE GENUS PENICILLIUM AND/OR SYNTHESIS.
Claims use since Mar. 24, 1945.

Ser. No. 482,010. PFEIFFER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 11, 1945.



FOR MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS.
Claims use since Mar. 22, 1945.

Ser. No. 482,013. RAVEL PERFUMES INC., New York, N. Y. Filed Apr. 11, 1945.

PAGODA

FOR PERFUMES.
Claims use since Feb. 26, 1945.

Ser. No. 482,044. CHARLES JULES EMILE CHARBAUT, Paris, France. Filed Apr. 12, 1945.

Parfums Verlayne

No claim is made to the word "Parfums" apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Jan. 6, 1944.

Ser. No. 482,154. FEBOE PERFUMERS, New York, N. Y. Filed Apr. 14, 1945.

Fancy Free

FOR PERFUME.
Claims use since Apr. 10, 1944.

Ser. No. 482,205. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Apr. 16, 1945.

LEDERCILLIN

FOR PENICILLIN FOR HUMAN USE.
Claims use since Mar. 27, 1945.

Ser. No. 482,206. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Apr. 16, 1945.

VETICILLIN

FOR PENICILLIN FOR USE IN VETERINARY MEDICINE.
Claims use since Mar. 27, 1945.

Ser. No. 482,433. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Apr. 21, 1945.

PENOMYCIN

FOR PREPARATION FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STAPHYLOCOCCIC AND STREPTOCOCCIC INFECTIONS.
Claims use since Apr. 9, 1945.

Ser. No. 482,489. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Apr. 23, 1945.

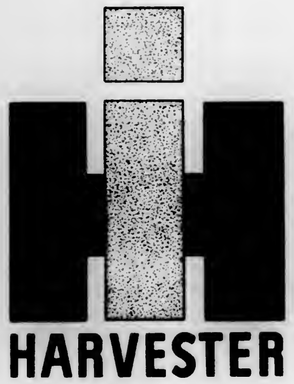
PER-OS-CILLIN

FOR BACTERIAL ANTISEPTIC AND GERMICIDE.
Claims use since Mar. 30, 1945.

CLASS 7

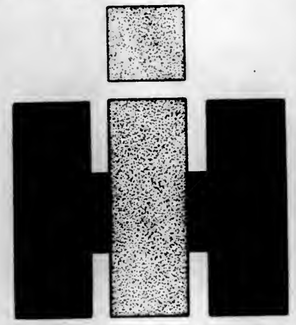
CORDAGE

Ser. No. 474,898. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Oct. 4, 1944.



FOR TWINE.
Claims use since on or about Sept. 25, 1944.

Ser. No. 474,899. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Oct. 4, 1944.

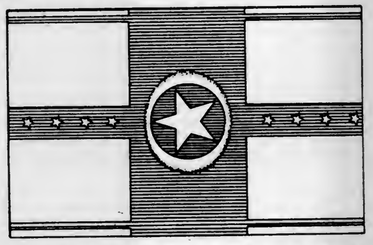


FOR TWINE.
Claims use since on or about Sept. 25, 1944.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 480,977. CHAMPAGNE PAPER CORPORATION, Pisgah Forest, N. C. Filed Mar. 16, 1945.



The drawing is lined for blue. The representation of the wrapper is disclaimed apart from the mark.
FOR CIGARETTE PAPER BOOKLETS.
Claims use since Mar. 5, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 480,685. AGENCY PAPER COMPANY, New York, N. Y. Filed Mar. 9, 1945.

Buen Vecino

Translation of "Buen Vecino" is "Good Neighbor."
FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Feb. 21, 1945.

Ser. No. 480,687. AGENCY PAPER COMPANY, New York, N. Y. Filed Mar. 9, 1945.

Good Neighbor

FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Feb. 21, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 464,018. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Filed Oct. 9, 1943.

COWBOY BRAND

No claim is made to the word "Brand" apart from the mark.
FOR FIRE DOORS FOR BUILDINGS, BOILER STACKS, SMOKE FUNNELS, INDUSTRIAL TYPE STEEL BUILDINGS, METAL DOORS, METAL CONCRETE FORMS, PENSTOCKS, AND STEEL BRIDGES.
Claims use since Sept. 25, 1943.

Ser. No. 481,493. SCHNEIDER BROS. LUMBER CO., New York, N. Y. Filed Mar. 29, 1945.

FRANJULS

FOR LUMBER.
Claims use since November 1942.

Ser. No. 482,311. CORNELL IRON WORKS, INCORPORATED, Long Island City, N. Y. Filed Apr. 19, 1945.

FLOAT-OVER

FOR OVERHEAD DOORS.
Claims use since Jan. 1, 1933.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 481,403. ELECTRIC STEEL FOUNDRY, Portland, Oreg. Filed Mar. 28, 1945.

DUOSEAL

FOR PLUG VALVES FOR CONTROLLING THE FLOW OF LIQUIDS AND GASES.
Claims use since Oct. 30, 1944.

Ser. No. 482,091. CERTIFIED GAUGE & INSTRUMENT CORP., Long Island City, N. Y. Filed Apr. 13, 1945.

KOREX

FOR TUBING MADE FROM BRONZE, STEEL, BRASS, COPPER, ALUMINUM, AND COMBINATIONS THEREOF.
Claims use since Feb. 7, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 479,783. EBALOY FOUNDRIES, INC., Rockford, Ill. Filed Feb. 14, 1945.

E B

FOR SAND CASTINGS AND PERMANENT MOLD CASTINGS MADE OF NON-FERROUS METALS.
Claims use since Nov. 4, 1944.

Ser. No. 479,784. EBALOY FOUNDRIES, INC., Rockford, Ill. Filed Feb. 14, 1945.

EB

FOR SAND CASTINGS AND PERMANENT MOLD CASTINGS MADE OF NON-FERROUS METALS.
Claims use since Nov. 4, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 470,075. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed May 9, 1944.

ONEX-SEAL

The word "Seal" is disclaimed apart from the mark.
FOR LIQUID FLOOR POLISH.
Claims use since Jan. 1, 1930.

Ser. No. 477,892. C. R. LORD & PAUL HALM, East Orange, N. J. Filed Dec. 23, 1944.

STAY-GLO

FOR SOLID OR SEMI-SOLID PREPARATION CONSISTING ESSENTIALLY OF A MIXTURE OF TURPENTINE AND WAXES FOR COVERING CRACKS OR CHIPPED PORTIONS ON METALLIC OR WOODEN SURFACES.
Claims use since Dec. 1, 1944.

Ser. No. 478,938. VICTOR UNTERBRINK, doing business as Plastic Products, Ottawa, Ohio. Filed Jan. 23, 1945.

LINO-PLASTIC

No claim is made to the word "Plastic" apart from the mark.
FOR LIQUID PLASTIC COATING FOR FINISHING AND PROTECTING FLOORS, LINOLEUM, FURNITURE, ETC.
Claims use since September 1943.

Ser. No. 480,413. THE FOY PAINT COMPANY, INC., Cincinnati, Ohio. Filed Mar. 2, 1945.

LEVEL-ON

FOR PAINTS IN LIQUID AND SEMI-PASTE FORM.
Claims use since Feb. 8, 1945.

Ser. No. 480,485. VITA VAR CORPORATION, Newark, N. J. Filed Mar. 3, 1945.

VITA-CAL

FOR PAINT IN PASTE FORM, PAINT ENAMEL, AND VARNISH.
Claims use since Nov. 11, 1944.

CLASS 19

VEHICLES

Ser. No. 472,757. THE TRAILER COMPANY OF AMERICA, Cincinnati, Ohio. Filed July 29, 1944.

HIGHLAND

FOR AUTOMOTIVE TRAILERS AND PARTS THEREOF SPECIFICALLY BODIES AND CABS SOLD AS SEPARATE UNITS.
Claims use since Dec. 5, 1912.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 459,341. JUSTRITE MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 25, 1943.

JUSTRITE

FOR ELECTRIC CAP LAMPS, ELECTRIC HAND LANTERNS, FLASHLIGHTS, AND PUSH CLIPS FOR ELECTRIC CORDS.
Claims use since January 1929.

Ser. No. 480,108. HOFFMAN RADIO CORPORATION, Los Angeles, Calif. Filed Feb. 22, 1945.

MISSION BELL

FOR RADIO RECEIVING APPARATUS AND PARTS THEREOF.
Claims use since Sept. 1, 1928.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 480,863. GLOBE SPORTING GOODS MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 13, 1945.

GLOBE

FOR SPORTING GOODS AND ATHLETIC EQUIPMENT—NAMELY, BASEBALL FIELDERS' GLOVES, BASEBALL BASEMEN'S MITTS, BASEBALL CATCHERS' MITTS, BASEBALLS, BASEBALL CATCHERS' MASKS, BASEBALL LEG GUARDS, BASEBALL BODY PROTECTORS, BASEBALL BATS, SOFTBALL FIELDERS' GLOVES, SOFTBALL BASEMEN'S GLOVES, SOFTBALL CATCHERS' MITTS, SOFTBALLS, SOFTBALL MASKS, SOFTBALL BATS, VOLLEY BALLS, STRIKING BAGS, STRIKING BAG GLOVES, BOXING GLOVES, FIGHTING GLOVES, BOXING HELMETS, BASKETBALLS, FOOTBALLS, FOOTBALL HELMETS, SHOULDER PADS, HIP AND KIDNEY PADS, BLOCKING PADS, SOCCER BALLS, HOCKEY GLOVES, HOCKEY HELMETS, HANDBALL GLOVES, MEDICINE BALLS, CAGE BALLS, AND HOCKEY SHIN GUARDS.
Claims use since Jan. 5, 1933.

Ser. No. 481,005. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 16, 1945.

CHILDREN'S HOUR

FOR GAME PLAYED WITH CARDS AND BY MOVEMENT ON A BOARD.
Claims use since Mar. 2, 1945.

Ser. No. 482,306. API LTD, New York, N. Y. Filed Apr. 18, 1945.



The representation of the doll and the descriptive words "Classics" and "Beautiful Dolls" are hereby disclaimed apart from the mark.
FOR DOLLS.
Claims use since Jan. 1, 1943.

Ser. No. 482,694. RALPH VICTOR MORAN, doing business as Vic Moran, Bradford, Pa. Filed Apr. 27, 1945.

SAVE FOR THE NEW CAR

FOR TOY COIN BANKS.
Claims use since Aug. 23, 1944.

Ser. No. 483,372. E. J. FRIEDRICHS, doing business as Friedrichs Wood Specialties, New Orleans, La. Filed May 15, 1945.



All wording except "Swat King" and "Chemized" is disclaimed apart from the mark.
FOR BASEBALL BATS AND SOFT BALL BATS.
Claims use since Feb. 1, 1945.

Ser. No. 484,224. AMERICAN CHARACTER DOLL COMPANY, New York, N. Y. Filed June 7, 1945.

Junior Miss

FOR DOLLS.
Claims use since May 14, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,783. N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed May 29, 1944.

W

FOR CENTER DRILLS, TAPS, PUMP JIGS, FORM TOOLS, DIAPHRAGM CHUCKS.
Claims use since Mar. 2, 1944.

Ser. No. 473,795. E. C. ATKINS AND COMPANY, Indianapolis, Ind. Filed Sept. 1, 1944, under 10-year proviso, as to "Atkins", "Silver Steel", "Atkins Always Ahead", "E. C. Atkins & Co., Indianapolis, Ind." and "Made In U. S. A."



The representation of the saw, and the words "Trade-Mark Reg. U. S. Pat. Off.", are disclaimed apart from the mark as shown. The lining used in the drawing indicates shading only.
FOR SAWS OF ALL KINDS, TROWELS OF ALL KINDS, CORN KNIVES, HEDGE KNIVES, CANE KNIVES AND DITCH BANK KNIVES.
Claims use on trade-mark since June 29, 1944; on feature "Atkins" since 1857; and on features "Silver Steel," "Atkins Always Ahead," "E. C. Atkins & Co., Indianapolis, Ind.," "Made In U. S. A." since 1856.

Ser. No. 475,334. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed Oct. 14, 1944.

PUROLATOR

FOR HYDRAULIC FLUID FILTERS FOR USE AS ACCESSORIES FOR HYDRAULIC MACHINERY.
Claims use since June 25, 1932.

Ser. No. 475,459. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed Oct. 18, 1944.

PUROLATOR

FOR FILTERS FOR THE PURIFICATION OF GASOLINE INCLUDING FILTERS USED AS ACCESSORIES FOR PUMPS AND TANKS SUCH AS USED ON AIRCRAFT CARRIERS; FOR FILLING STATION EQUIPMENT; FOR INTERNAL COMBUSTION ENGINES, AIRCRAFT ENGINES AND MARINE ENGINES; FOR TANK TRUCKS; FOR GASOLINE STORAGE MACHINERY, FILLING MACHINERY AND COMBUSTION MACHINERY.
Claims use since Nov. 20, 1930.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 460,209. CHARLES BRUNING COMPANY, INC., New York, N. Y. Filed Apr. 27, 1943.

COPYFLEX

FOR PHOTOGRAPHIC MATERIALS—NAMELY, SENSITIZED PAPERS AND CLOTHS.
Claims use since Apr. 9, 1943.

Ser. No. 473,078. VICTORLITE INDUSTRIES, Los Angeles, Calif. Filed Aug. 8, 1944.

Victorlite

FOR STILL PICTURE PROJECTING MACHINES FOR INSTRUCTIONAL USES.
Claims use since January 1943.

Ser. No. 482,643. PROPORTIONEERS, INC., Providence, R. I. Filed Apr. 26, 1945.



FOR PROPORTIONING METERS FOR MEASURING PROPORTIONAL VOLUMES OF LIQUIDS AND TEST KITS FOR ANALYZING SAMPLES OF LIQUID TO DETERMINE TURBIDITY AND/OR CHEMICAL CONTENT.
Claims use since March 1944.

Ser. No. 483,023. THE KONO MANUFACTURING COMPANY, Woodside, Long Island, N. Y. Filed May 5, 1945.

"SUN DODGER"

The word "Sun" is disclaimed apart from the mark.
FOR SUN GLASSES AND PARTS THEREFOR.
Claims use since Apr. 24, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 482,702. S. RODMAN SONS, New York, N. Y. Filed Apr. 27, 1945.

Smartime

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Jan. 15, 1945.

Ser. No. 483,162. THE UNITED STATES TIME CORPORATION, Waterbury, Conn. Filed May 9, 1945.

TIMEX HEART

FOR CLOCKS AND WATCHES.
Claims use since Apr. 7, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 482,264. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed Apr. 17, 1945.

FLEURETTE

FOR SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING OR PERSONAL USE); AND SILVER AND SILVER MOUNTED HOLLOW WARE (VESSELS, PLATES, PLATTERS, CARRIERS, COVERS AND SUPPORTS FOR STORING, HOLDING, OR COVERING FOODS, LIQUIDS, OR COMMODITIES).
Claims use since Mar. 22, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 468,489. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Mar. 21, 1944.

Royal Oak

FOR SHAVING BRUSHES.
Claims use since Mar. 1, 1944.

Ser. No. 481,795. REGNAR E. MADSON, doing business as Regnar Madson Company, Chicago, Ill. Filed Apr. 6, 1945.

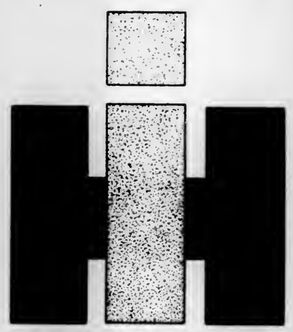
FOAM

FOR COSMETIC OR POWDER PUFF.
Claims use since Dec. 8, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

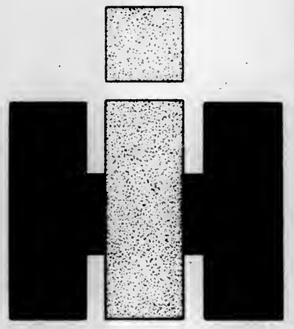
Ser. No. 474,906. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Oct. 4, 1944.



HARVESTER

FOR MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF.
Claims use since on or about Aug. 26, 1944.

Ser. No. 474,907. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Oct. 4, 1944.



FOR MILK COOLERS, CONDENSING UNITS, WATER COOLERS, BOTTLE COOLERS, CHEST-TYPE FREEZERS, REFRIGERATORS, REFRIGERATOR UNITS, AND PARTS THEREOF.
Claims use since on or about Aug. 26, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 482,521. THE COMFY MANUFACTURING COMPANY, Baltimore, Md. Filed Apr. 24, 1945.



FOR TEXTILE SLIP COVERS FOR UPHOLSTERED FURNITURE.
Claims use since Apr. 13, 1945.

Ser. No. 482,546. RICHARD B. RUBIN, Saugus, Mass. Filed Apr. 24, 1945.

ROTO-RAK

No registration rights are claimed for the word "Rak" apart from the mark as shown.
FOR RACKS FOR CLOTHING ACCESSORIES.
Claims use since Apr. 2, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 482,113. PIPE COUPLINGS, INC., New York, N. Y. Filed Apr. 13, 1945.

HI-TEMP

FOR GASKETS COMPOSED OF RUBBER, SYNTHETIC RUBBER, AND PLASTICS OR COMBINATIONS THEREOF.
Claims use since Apr. 5, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 477,541. LELAND J. ARMS, San Francisco, Calif. Filed Dec. 14, 1944.

Audible Autograph

The word "Audible" is disclaimed apart from the mark.
FOR PHONOGRAPH RECORDS.
Claims use since Dec. 1, 1944.

Ser. No. 477,542. LELAND J. ARMS, San Francisco, Calif. Filed Dec. 14, 1944.

Vocal Autograph

The word "Vocal" is disclaimed apart from the mark.
FOR PHONOGRAPH RECORDS.
Claims use since Dec. 1, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 469,658. THE TISSUE COMPANY, Saugerties, N. Y. Filed Apr. 25, 1944.

PAKLOTH

FOR EMBOSSED PAPER NAPKINS.
Claims use since Feb. 27, 1922.

Ser. No. 481,447. UNIVERSAL FOUNTAIN PEN & PENCIL CO., New York, N. Y. Filed Mar. 28, 1945.

Rite-O-Matic

FOR STYLOGRAPHIC PENS.
Claims use since Feb. 23, 1945.

Ser. No. 482,793. EVERSHARP, INC., Chicago, Ill. Filed Apr. 30, 1945.

Gold Award

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since May 19, 1942.

Ser. No. 482,795. EVERSHARP, INC., Chicago, Ill. Filed Apr. 30, 1945.

"Sixty-Four"

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since June 23, 1944.

CLASS 39

CLOTHING

Ser. No. 469,994. KIRSCH-BLACHER COMPANY, INC., New York, N. Y. File May 6, 1944.

PRINCESS Alice

FOR SHOES MADE OF LEATHER, FABRIC OR RUBBER OR COMBINATIONS OF SAID MATERIALS.
Claims use since June 30, 1941.

Ser. No. 475,530. COBBLERS, INC., Los Angeles, Calif. Filed Oct. 20, 1944.

FIESTERAS

FOR SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Sept. 7, 1944.

Ser. No. 476,236. BELDOCH-POPPER, INC., New York, N. Y. Filed Nov. 8, 1944.

Expectation

FOR MISSES' AND WOMEN'S SWEATERS, JACKETS, AND COATS.
Claims use since Oct. 1, 1944.

Ser. No. 476,405. SCHWOB MANUFACTURING COMPANY, Columbus, Ga. Filed Nov. 13, 1944.

"SCHWOBILT SUITS THE SOUTH"

No claim is made to the word "Suits" apart from the mark as shown.
FOR MEN'S SUITS AND CLOTHING—NAMELY, OVERCOATS, SPORT COATS, AND PANTS.
Claims use since Sept. 12, 1944.

Ser. No. 478,219. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Jan. 4, 1945.

Lazy-Joe
SMOOTH AN' EASY GOIN'

Exclusive use of "Smooth an' easy goin' " is not claimed apart from the rest of the mark.
FOR BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Dec. 8, 1944.

Ser. No. 479,746. JEANETTE CORSET SHOPPE, Long Beach, Calif. File Feb. 13, 1945.

JEAN-BRA-ETTE

The term "Bra-Ette" is disclaimed apart from the mark.
FOR BRASSIÈRES.
Claims use since Feb. 29, 1944.

Ser. No. 480,643. BLUE BELL, INC., Greensboro, N. C. Filed Mar. 8, 1945.

BLUE BELL

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS, AND ONE-PIECE SUITS.
Claims use since July 10, 1908.

Ser. No. 480,730. THE BENMAR MANUFACTURING COMPANY, Portland, Oreg. Filed Mar. 10, 1945.

Benmar

FOR SPORT CLOTHING, INCLUDING WIND AND WATER REPELLENT CLOTHING—NAMELY, JACKETS, CRUISER COATS, SPORT COATS, LOAFER COATS, MACKINAWS, PANTS, SLACKS, AND SHIRTS, OF EITHER COTTON OR WOOL MATERIALS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 6, 1945.

Ser. No. 481,424. PETER PAN FOUNDATIONS, INC., New York, N. Y. Filed Mar. 28, 1945.

The Foundation of a Nation

The word "Foundation" is disclaimed except in the relation and association shown on the drawing.
FOR GIRDLES AND BRASSIÈRES.
Claims use since Mar. 15, 1945.

Ser. No. 481,811. UNITED MILLS, Mount Gilead, N. C. Filed Apr. 6, 1945.

Realcraft

FOR SLIPS FOR WOMEN AND MISSES.
Claims use since Feb. 2, 1945.

Ser. No. 481,872. SAMUEL EDWARD ZUCKERMAN, doing business as Ed. Zuckerman Co., New York, N. Y. Filed Apr. 7, 1945.

Zucci

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since Feb. 19, 1945.

Ser. No. 482,001. LUSTBERG, NAST & CO., INC., New York, N. Y. Filed Apr. 11, 1945.

PSYCHOLOGY

FOR MEN'S AND BOYS' SPORT AND DRESS SHIRTS, LUMBERJACKS, MACKINAWS, HUNTING COATS, FINGERTIP COATS, LOAFER COATS, TROUSERS, VESTS, AND SLIPOVERS; MEN'S AND WOMEN'S JACKETS, SPORT COATS, RAINCOATS, BATHROBES, LOUNGING ROBES, AND SLACKS; AND CHILDREN'S SNOWSUITS AND PLAYSUITS.
Claims use since Apr. 5, 1945.

Ser. No. 482,041. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed Apr. 12, 1945.

TRIGS

FOR GARMENTS—NAMELY, MEN'S AND BOYS' SHORTS AND SHIRTS.
Claims use since Aug. 18, 1941.

Ser. No. 482,124. SPIEGEL, INC., Chicago, Ill. Filed Apr. 13, 1945.

CLARABELLE

FOR LADIES' HOSIERY.
Claims use since September 1932.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 480,128. MILTON C. BLUM, INC., New York, N. Y. Filed Feb. 23, 1945.

Carrier Cloth

The word "Cloth" is hereby disclaimed apart from the mark.
FOR COTTON AND RAYON PIECE GOODS.
Claims use since Feb. 18, 1945.

Ser. No. 480,782. MOORESVILLE COTTON MILLS, Mooresville, N. C. Filed Mar. 10, 1945.

TATTERTOOTH

FOR RAYON PIECE GOODS.
Claims use since Feb. 26, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 481,862. SPINNERIN YARN CO., INC., New York, N. Y. Filed Apr. 7, 1945.

"Quads"

FOR YARN.
Claims use since Mar. 24, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 473,506. I. C. I. (PLASTICS) LIMITED, Slough, England. Filed Aug. 22, 1944.

KALLODENTINE

FOR ARTIFICIAL TEETH; ARTIFICIAL PARTS OF TEETH; SYNTHETIC RESINS FOR THE MANUFACTURE OF ARTIFICIAL TEETH AND FOR APPLICATION TO NATURAL TEETH IN DENTISTRY.
Claims use since May 18, 1944.

Ser. No. 478,186. THE OHIO CHEMICAL & MFG. CO., Cleveland, Ohio. Filed Jan. 3, 1945.

OPERAY

FOR EXPLOSION-PROOF LIGHTING FIXTURES OF THE SINGLE-BEAM, MULTIBEAM, PORTABLE AND SUSPENDED TYPES USED TO GIVE ILLUMINATION FOR SURGICAL OPERATIONS.
Claims use since 1930.

Ser. No. 481,951. ALFRED LUNDE, doing business as Lunde Trayna Company, Seattle, Wash. Filed Apr. 10, 1945.

TRAYNA

FOR CONDITIONED REFLEX DEVICE FOR TEACHING BLADDER CONTROL (AN EXCITATION DEVICE, PRINCIPALLY BUT NOT EXCLUSIVELY FOR INFANTS, AND WHICH IS TAPED UPON THE THIGH OR LOWER ABDOMEN TO ACT AUTOMATICALLY IN RESPONSE TO INVOLUNTARY DISCHARGE OF URINE TO CAUSE THE CHILD TO AWAKEN AND GIVE AN OUTCRY).
Claims use since on or about Jan. 1, 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 479,807. OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa. Filed Feb. 14, 1945.



The drawing is lined for red.
FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since 1937.

Ser. No. 483,204. BEVERAGE DISTRIBUTORS, INC., doing business as Marlboro Beverage Company, San Francisco, Calif. Filed May 11, 1945.

Ski Club

FOR GINGER ALE.
Claims use since Nov. 14, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 463,375. BENVENUTO, SOCIEDAD ANONIMA COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina. Filed Sept. 13, 1943.

NEREIDA

FOR PRESERVED FISH, SUCH AS SARDINES PACKED IN TIN CANS OR OTHER CONTAINERS.
Claims use since Dec. 12, 1941.

Ser. No. 463,862. J. BAUMBACH, Escalon, Calif. Filed Oct. 4, 1943.



No claim is made to the name "J. Baumbach" apart from the mark.
FOR FRESH FRUITS—NAMELY, FRESH GRAPES, AND FRESH MELONS.
Claims use since March 1935.

Ser. No. 465,623. ALBERT P. DE SANNO, JR., Phoenixville, Pa. Filed Dec. 8, 1943.

SOY-KRAX

No claim is made to the word "Soy" except as shown.
FOR CRACKER.
Claims use since Nov. 12, 1943.

Ser. No. 476,534. ST. LOUIS MACARONI MFG. CO., St. Louis, Mo. Filed Nov. 16, 1944.

KRIS-KROS

FOR EGG NOODLES.
Claims use since July 1, 1941.

Ser. No. 477,809. MAYVILLE CANNING COMPANY, Mayville, Wis. Filed Dec. 21, 1944.

CREAM O-POD

The word "Pod" is disclaimed apart from the mark.
FOR CANNED PEAS.
Claims use since October 1942.

Ser. No. 478,635. M. D. LOUGHBOM, Los Angeles, Calif. Filed Jan. 15, 1945.

SEA-PREME

No claim is made to the word "Sea" apart from the mark.
FOR CANNED FISH—NAMELY, TUNA.
Claims use since Dec. 6, 1944.

Ser. No. 480,007. CAPITAL BAKERS INC., Harrisburg, Pa. Filed Feb. 20, 1945.



Applicant is the owner of registrations Nos. 287,990, Oct. 20, 1931, 250,204, Dec. 4, 1928, and 356,599, May 3, 1938. The drawing is lined for shading.
FOR BREAD, ROLLS, AND CAKE.
Claims use since Jan. 12, 1945.

Ser. No. 481,114. B. H. KARMEN, doing business as Confections of California, Chatsworth, Calif. Filed Mar. 20, 1945.

MovieLand

FOR CANDY.
Claims use since Mar. 1, 1945.

Ser. No. 481,700. FARM CROPS PROCESSING CORPORATION, Omaha, Nebr. Filed Apr. 4, 1945.

AGRISOL

FOR FEEDS FOR LIVESTOCK, POULTRY, AND DOGS AND CATS—NAMELY, CONDENSED AND DRIED DISTILLERS SOLUBLES.
Claims use since Oct. 1, 1944.

Ser. No. 481,794. SOL LENZNER CORPORATION, Buffalo, N. Y. Filed Apr. 6, 1945.

TER-A

FOR PICKLED HERRING.
Claims use since June 1, 1944.

Ser. No. 482,047. COMMANDO PACKING COMPANY, North Bend, Oreg. Filed Apr. 12, 1945.

SEA CHANTY

No claim is made to the word "Sea" apart from the mark.
FOR CANNED FISH—NAMELY, CRAB MEAT, OYSTERS, AND TUNA.
Claims use since Mar. 13, 1945.

Ser. No. 482,137. THE R. V. DUBLIN COMPANY, Jacksonville and Laredo, Tex. Filed Apr. 14, 1945.

GOOD BET

The word "Good" is disclaimed apart from the combination "Good Bet."
FOR FRESH FRUITS AND FRESH VEGETABLES.
Claims use since Nov. 9, 1944.

Ser. No. 482,250. DOROTHY A. LONG, doing business as Dawnwood Farms, Amenia, N. Y. Filed Apr. 17, 1945.

DAWNWOOD FARMS

The word "Farms" is disclaimed apart from the mark.
FOR FLUID MILK.
Claims use since Mar. 7, 1943.

Ser. No. 482,615. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 26, 1945.

MAIZENA

FOR CORN STARCH FOR FOOD PURPOSES.
Claims use since 1858.

Ser. No. 483,020. STEPHEN A. HEFFIELD, SR., doing business as Steve Heffield & Co., Orlando, Fla. Filed May 5, 1945.

Bushels o' Health

The word "Health" is disclaimed apart from the mark.
FOR FRESH CITRUS FRUITS—NAMELY, GRAPEFRUIT, ORANGES, TANGERINES, LEMONS, LIMES, KUMQUATS, TANGELOS, AND CALOMONDON.
Claims use since Nov. 1, 1944.

Ser. No. 483,640. WALKER PRODUCTS CORPORATION, New York, N. Y. Filed May 21, 1945.

MIRAMAR

FOR HARD CANDIES.
Claims use since Mar. 16, 1945.

Ser. No. 483,941. JOSEPH TANOUS, doing business as Tanous Chicle Co., Laredo, Tex. Filed May 29, 1945.

PLAZA

FOR CHEWING GUM.
Claims use since May 6, 1942.

CLASS 47

WINES

Ser. No. 479,895. OSBORNE & Co., Puerto de Santa Maria, Spain. Filed Feb. 16, 1945.

0 0 0

FOR WINES.
Claims use since 1920.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 459,124. MISSISSIPPI VALLEY LAST COMPANY, St. Louis, Mo. Filed Mar. 15, 1943.

PROTEKSHOE

FOR SHOE TREES.
Claims use since Mar. 11, 1943.

Ser. No. 467,536. THE PLASTOLITH COMPANY, Boston, Mass. Filed Feb. 18, 1944.

Plastolith

FOR OFFSET PRINTING PLATES COMPRISING A WATER-RECEPTIVE COLLOIDAL COATING SUPPORTED ON A BASE MEMBER WHICH IS CHARACTERIZED BY FLEXIBILITY AND SUBSTANTIAL WATER-REPELLENCY.
Claims use since Oct. 2, 1943.

Ser. No. 470,183. FRANK & SADEV, New York, N. Y. Filed May 12, 1944.

Glotone

FOR TABLE MATS MADE OF CORK OR PLYWOOD AND COVERED WITH A LAYER OF PAPER OR LINEN.
Claims use since October 1943.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Chemotherapeutic agents. Serial No. 481,973; July 24. Class 6.
Accomplish Cosmetic Co.: *See*—
Deutsch, Maude S.
Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 480,685; July 24. Class 11.
Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 480,687; July 24. Class 11.
American Character Doll Company, New York, N. Y. Dolls. Serial No. 484,224; July 24. Class 22.
Angelus Laboratories: *See*—
Brunswig Drug Company.
Api Ltd., New York, N. Y. Dolls. Serial No. 482,306; July 24. Class 22.
Arms, Leland J., San Francisco, Calif. Phonograph records. Serial No. 477,541–2; July 24. Class 36.
Atkins, E. C., and Company, Indianapolis, Ind. Saws of all kinds, trowels of all kinds, corn knives, etc. Serial No. 473,795; July 24. Class 23.
Baumbach, J., Escalon, Calif. Fresh fruits. Serial No. 463,862; July 24. Class 46.
Beldoch-Popper, Inc., New York, N. Y. Misses' and women's sweaters, jackets and coats. Serial No. 476,236; July 24. Class 39.
Bemis Bro. Bag Company, St. Louis, Mo. Paper bags and sacks. Serial No. 482,131; July 24. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks made of textile materials. Serial No. 481,770; July 24. Class 2.
Benmar Manufacturing Company, The, Portland, Oreg. Sport clothing, including wind and water repellent clothing. Serial No. 480,730; July 24. Class 39.
Benvenuto, Sociedad Anonima Comercial E Industrial, Buenos Aires, Argentina. Preserved fish. Serial No. 463,375; July 24. Class 46.
Beverage Distributors, Inc., doing business as Marlboro Beverage Company, San Francisco, Calif. Ginger ale. Serial No. 483,204; July 24. Class 45.
Blue Bell, Inc., Greensboro, N. C. Men's, women's, boys' and girls' overalls, jumpers, work jackets, etc. Serial No. 480,643; July 24. Class 39.
Blum, Milton C., Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 480,128; July 24. Class 42.
Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations and powders for use in producing varying colors in burning fuel. Serial No. 476,496; July 24. Class 6.
Bruning, Charles, Company, Inc., New York, N. Y. Photographic materials. Serial No. 460,209; July 24. Class 26.
Brunswig Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Toilet lanolin. Serial No. 480,403; July 24. Class 6.
Capital Bakers Inc., Harrisburg, Pa. Bread, rolls, and cake. Serial No. 480,007; July 24. Class 46.
Carter, William, Company, The, Needham Heights, Mass. Garments. Serial No. 482,041; July 24. Class 39.
Ceda Distributing Co., Rochester, N. Y. Perfume, toilet water, dusting powder, etc. Serial No. 477,247; July 24. Class 6.
Certified Gauge & Instrument Corp., Long Island City, N. Y. Tubing made from bronze, steel, brass, etc. Serial No. 482,091; July 4. Class 13.
Champagne Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklets. Serial No. 480,977; July 24. Class 8.
Charbaut, Charles J. E., Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 482,044; July 24. Class 6.
Cobblers, Inc., Los Angeles, Calif. Shoes and slippers. Serial No. 475,530; July 24. Class 39.
Comfy Manufacturing Company, The, Baltimore, Md. Textile slip covers. Serial No. 482,521; July 24. Class 32.
Commando Packing Company, North Bend, Oreg. Canned fish. Serial No. 482,047; July 24. Class 46.
Confections of California: *See*—
Karmen, B. H.
Continental Can Company, Inc., New York, N. Y. Metal cans. Serial No. 483,762; July 24. Class 2.
Corn Products Refining Company, New York, N. Y. Corn starch for food purposes. Serial No. 482,615; July 24. Class 46.
Cornell Iron Works, Incorporated, Long Island City, N. Y. Overhead doors. Serial No. 482,311; July 24. Class 12.
Cutico, Inc., Orange, N. J. Toilet preparations. Serial Nos. 474,996–7; July 24. Class 6.
Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Fire doors for buildings, boiler stacks, smoke funnels, etc. Serial No. 464,018; July 24. Class 12.
Darby, Harry, Manufacturer: *See*—
Darby, Harry.
Dawnwood Farms: *See*—
Long, Dorothy A.
De Sanno, Albert P., Jr., Phoenixville, Pa. Cracker. Serial No. 465,623; July 24. Class 46.
Deutsch, Maude S., doing business as Accomplish Cosmetics Co., New York, N. Y. Face and body creams. Serial No. 480,013; July 24. Class 6.
Dublin, R. V., Company, The, Jacksonville and Laredo, Tex. Fresh fruits and fresh vegetables. Serial No. 482,137; July 24. Class 46.
Ebaloy Foundries, Inc., Rockford, Ill. Sand castings and permanent mold castings. Serial Nos. 479,783–4; July 24. Class 14.
Electric Steel Foundry. Portland, Oreg. Plug valves. Serial No. 481,403; July 24. Class 13.
Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 482,793; July 24. Class 37.
Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 482,795; July 24. Class 37.
Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Water softener. Serial No. 479,788; July 24. Class 6.
Everson, F. E.: *See*—
Everson, Franklin E.
Farm Crops Processing Corporation, Omaha, Nebr. Feeds for livestock, poultry, and dogs and cats. Serial No. 481,700; July 24. Class 46.
Feboe Perfumers, New York, N. Y. Perfume. Serial No. 482,154; July 24. Class 6.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Sedative elixir. Serial No. 476,500; July 24. Class 6.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation for the treatment of rheumatic fever, rheumatoid arthritis, neuralgia, etc. Serial No. 481,575; July 24. Class 6.
Foy Paint Company, Inc., The, Cincinnati, Ohio. Paints. Serial No. 480,413; July 24. Class 16.
Frank & Sadev, New York, N. Y. Table mats. Serial No. 470,183; July 24. Class 50.
Friedman-Lobel, Inc., New York, N. Y. Ladies' handbags. Serial No. 481,893; July 24. Class 3.
Friedrichs, E. J., doing business as Friedrichs Wood Specialties, New Orleans, La. Baseball bats and soft ball bats. Serial No. 483,372; July 24. Class 22.
Friedrichs Wood Specialties: *See*—
Friedrichs, E. J.
Globe Sporting Goods Manufacturing Company, Boston, Mass. Sporting goods and athletic equipment. Serial No. 480,863; July 24. Class 22.
Halm, Paul: *See*—
Lord, C. R., and Halm.
Heffield, Stephen A., Sr., doing business as Steve Heffield & Co., Orlando, Fla. Fresh citrus fruits. Serial No. 483,020; July 24. Class 46.
Heffield, Steve, & Co.: *See*—
Heffield, Stephen A., Sr.
Heye-Melas, San Antonio, Tex. Bridle bits, riding spurs, saddle dees, etc. Serial No. 481,476; July 24. Class 3.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor polish. Serial No. 470,075; July 24. Class 16.
Hoffman Radio Corporation, Los Angeles, Calif. Radio receiving apparatus and parts thereof. Serial No. 480,108; July 24. Class 21.
Hoffmann-La Roche, Inc., Nutley, N. J. Bacterial antiseptic and germicide. Serial No. 482,489; July 24. Class 6.
I. C. I. (Plastics) Limited, Slough, England. Artificial teeth, artificial parts of teeth, synthetic resins. Serial No. 473,506; July 24. Class 44.
International Harvester Company, Chicago, Ill. Twine. Serial Nos. 474,898–9; July 24. Class 7.
International Harvester Company, Chicago, Ill. Milk coolers, condensing units, water coolers, etc. Serial Nos. 474,906–7; July 24. Class 31.
International Shoe Company, St. Louis. Boots and shoes. Serial No. 478,219; July 24. Class 39.
Jeanette Corset Shoppe, Long Beach, Calif. Brassières. Serial No. 479,746; July 24. Class 39.
Justrite Manufacturing Company, Chicago, Ill. Electric cap lamps, electric hand lanterns, flashlights, etc. Serial No. 459,341; July 24. Class 21.
Karmen, B. H., doing business as Confections of California, Chatsworth, Calif. Candy. Serial No. 481,114; July 24. Class 46.
King, Charles L., New York, N. Y. Billfolds, purses, handbags, etc. Serial Nos. 484,052–3; July 24. Class 3.
Kirsch-Blacher Company, Inc., New York, N. Y. Shoes. Serial No. 469,994; July 24. Class 39.

Kono Manufacturing Company, The, Woodside, Long Island, N. Y. Sun glasses and parts therefor. Serial No. 483,023; July 24. Class 26.
Lederle Laboratories, Inc., New York, N. Y. Penicillin for human use. Serial No. 482,205; July 24. Class 6.
Lederle Laboratories, Inc., New York, N. Y. Penicillin for use in veterinary medicine. Serial No. 482,206; July 24. Class 6.
Lenzer, Sol, Corporation, Buffalo, N. Y. Pickled herring. Serial No. 481,794; July 24. Class 46.
Long, Dorothy A., doing business as Dawnwood Farms, Amenia, N. Y. Fluid milk. Serial No. 482,250; July 24. Class 46.
Lord, C. R., & Paul Halm, East Orange, N. J. Solid or semi-solid preparation. Serial No. 477,892; July 24. Class 16.
Loughbom, M. D., Los Angeles, Calif. Canned fish. Serial No. 478,635; July 24. Class 46.
Lunde, Alfred, doing business as Lunde Trayna Company, Seattle, Wash. Conditioned reflex device for teaching bladder control. Serial No. 481,951; July 24. Class 44.
Lunde Trayna Company: *See*—
Lunde, Alfred.
Lustberg, Nast & Co., Inc., New York, N. Y. Men's and boys' sport and dress shirts, lumberjacks, mackinaws, etc. Serial No. 482,001; July 24. Class 39.
Madson, Regnar, Company: *See*—
Madson, Regnar E.
Madson, Regnar E., doing business as Regnar Madson Company, Chicago, Ill. Cosmetic or powder puff. Serial No. 481,795; July 24. Class 29.
Marlboro Beverage Company: *See*—
Beverage Distributors, Inc.
Mayville Canning Company, Mayville, Wis. Canned peas. Serial No. 477,809; July 24. Class 46.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for local application. Serial No. 482,433; July 24. Class 6.
Mississippi Valley Last Company, St. Louis, Mo. Shoe. Serial No. 459,124; July 24. Class 50.
Mooresville Cotton Mills, Mooresville, N. C. Rayon piece goods. Serial No. 480,782; July 24. Class 42.
Moran, Ralph V., doing business as Vic Moran, Bradford, Pa. Toy coin banks. Serial No. 482,694; July 24. Class 22.
Moran, Vic.: *See*—
Moran, Ralph V.
Ohio Chemical & Mfg. Co., The, Cleveland, Ohio. Explosion-proof lighting fixtures. Serial No. 478,186; July 24. Class 44.
Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. Serial No. 479,807; July 24. Class 45.
Osborne & Co., Puerto de Santa Maria, Spain. Wines. Serial No. 479,895; July 24. Class 47.
Parke, Davis & Company, Detroit and Joseph Campau at the River, Mich. Bile and vitamin combination. Serial No. 475,810; July 24. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. Serial No. 481,005; July 24. Class 22.
Peter Pan Foundations, Inc., New York, N. Y. Girdles and brassières. Serial No. 481,424; July 24. Class 39.
Pfeiffer Chemical Company, New York, N. Y. Medicinal preparation. Serial No. 482,010; July 24. Class 6.
Phillips Petroleum Company, Bartlesville, Okla. Insecticide. Serial No. 469,309; July 24. Class 6.
Pipe Couplings, Inc., New York, N. Y. Gaskets composed of rubber, synthetic rubber, etc. Serial No. 482,113; July 24. Class 35.
Plastic Products: *See*—
Unterbrink, Victor.
Plastolith Company, The, Boston, Mass. Offset printing plates. Serial No. 467,536; July 24. Class 50.
Proportioneers, Inc., Providence, R. I. Proportioning meters and test kits. Serial No. 482,643; July 24. Class 26.
Purolator Products, Inc., Newark, N. J. Hydraulic fluid filters. Serial No. 475,334; July 24. Class 23.
Purolator Products, Inc., Newark, N. J. Filters for the purification of gasoline. Serial No. 475,459; July 24. Class 23.
Ravel Perfumes Inc., New York, N. Y. Perfumes. Serial No. 482,013; July 24. Class 6.
Rich, Ivor, New York, N. Y. Talcum powder. Serial No. 478,904; July 24. Class 6.
Roche-Organon, Inc., Nutley, N. J. Medical preparations. Serial No. 480,677; July 24. Class 6.
Rodman, S., Sons, New York, N. Y. Watches and watch movements. Serial No. 482,702; July 24. Class 27.
Rubin, Richard B., Saugus, Mass. Racks for clothing accessories. Serial No. 482,546; July 24. Class 32.
St. Louis Macaroni Mfg. Co., St. Louis, Mo. Egg noodles. Serial No. 476,534; July 24. Class 46.
Schneider Bros. Lumber Co., New York, N. Y. Lumber. Serial No. 481,493; July 24. Class 12.
Schultz, Lightfoot, Co., New York, N. Y., and Hoboken, N. J. Shaving brushes. Serial No. 468,489; July 24. Class 29.
Schwob Manufacturing Company, Columbus, Ga. Men's suits and clothing. Serial No. 476,405; July 24. Class 39.
Siegel, A. L., Co., Inc., New York, N. Y. Garment bags, blanket bags, lettuce bags, etc. Serial No. 480,196; July 24. Class 2.
Sonneborn, L., Sons, Inc., New York, N. Y. Granular material used on floors to absorb grease and oil, etc. Serial No. 480,214; July 24. Class 4.
Spiegel, Inc., Chicago, Ill. Ladies' hosiery. Serial No. 482,124; July 24. Class 39.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 481,862; July 24. Class 43.
Staminite Corporation, The, New Haven, Conn. Chemical preparation. Serial No. 476,035; July 24. Class 6.
Tanous Chicle Co.: *See*—
Tanous, Joseph.
Tanous, Joseph, doing business as Tanous Chicle Co., Laredo, Tex. Chewing gum. Serial No. 483,941; July 24. Class 46.
Tausig, Jack J., New York, N. Y. Hypodermic solution. Serial No. 481,496; July 24. Class 6.
Tausig, Jack J., New York, N. Y. Hypodermic solution. Serial No. 481,498; July 24. Class 6.
Tissue Company, The, Saugerties, N. Y. Embossed paper napkins. Serial No. 469,658; July 24. Class 37.
Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware, and silver and silver mounted hollow ware. Serial No. 482,264; July 24. Class 28.
Trailer Company of America, The, Cincinnati, Ohio. Automotive trailers and parts thereof. Serial No. 472,757; July 24. Class 19.
United Mills, Mount Gilead, N. C. Slips for women and misses. Serial No. 481,811; July 24. Class 39.
United States Time Corporation, The, Waterbury, Conn. Clocks and watches. Serial No. 483,162; July 24. Class 27.
Universal Fountain Pen & Pencil Co., New York, N. Y. Stylographic pens. Serial No. 481,447; July 24. Class 37.
Unterbrink, Victor, doing business as Plastic Products, Ottawa, Ohio. Liquid plastic coating. Serial No. 478,938; July 24. Class 16.
Victorlit Industries, Los Angeles, Calif. Still picture projecting machines. Serial No. 473,078; July 24. Class 26.
Vita Var Corporation, Newark, N. J. Paint. Serial No. 480,485; July 24. Class 16.
Walker Products Corporation, New York, N. Y. Hard candies. Serial No. 483,640; July 24. Class 46.
Winthrop Products Inc., New York, N. Y. Injectable iodine preparation. Serial No. 478,529; July 24. Class 6.
Woodworth, N. A., Company, Ferndale, Mich. Center drills, taps, pump jigs, etc. Serial No. 470,783; July 24. Class 23.
Zuckerman, Ed., Co.: *See*—
Zuckerman, Samuel E.
Zuckerman, Samuel E., doing business as Ed. Zuckerman Co., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 481,872; July 24. Class 39.

U. S. GOVERNMENT PRINTING OFFICE: 1945

THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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July 31, 1945

Trade-Marks	117	No. 415,170 to No. 415,286, inclusive.
T. M. Renewals	89	
Reissues	1	No. 22,656
Patents	541	No. 2,380,372 to No. 2,380,912, inclusive.
Designs	75	No. 141,870 to No. 141,944, inclusive.
Total	823	

Transfer of Class and Subclasses

ORDER NO. 3,967

U. S. PATENT OFFICE, *Richmond, Va., July 12, 1945.*

The following transfers, to take effect Monday, July 16, 1945, are hereby ordered:

Class 224, Package and Article Carriers, from Division 29 to Division 4;

Subclasses 200–283 of Class 29, Metal Working, from Division 29 to Division 13;

Subclasses 284–290 of Class 29, Metal Working, from Division 29 to Division 14.

LESLIE FRAZER,
Acting Commissioner.

Adjudicated Patents

(D. C. Md.) Rahm patent, No. 1,944,571, for a molding machine, claims 1 and 2 *Held* not infringed. *Wheeling Stamping Co.* v. *Standard Cap & Molding Co.*, 60 F. Supp. 533; 65 USPQ 360.

(D. C. Md.) Webb patent, No. 2,225,672, for apparatus for molding plastic articles, claim 14 *Held* not infringed. *Id.*

(D. C. Md.) Scott patent, No. 2,226,326, for a molding machine, claims 8, 11, 13, and 17 *Held* not infringed. *Id.*

Disclaimer

2,096,341.—*Eugene Roberts*, Hastings, N. Y. BRAKE COOLING FOR CENTRIFUGALS AND THE LIKE. Patent dated Oct. 19, 1937. Disclaimer filed June 30, 1945, by the assignee, *The Western States Machine Company.*

Hereby enters this disclaimer to claims 1, 3, 6, 7, and 8 in said specification.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business July 14, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 64,890; Trade-Mark Division, 2,763. Oldest new case, Aug. 7, 1944; oldest amended, Aug. 2, 1944.)
(The dates given are 1944 except where † indicates 1945)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 1	Nov. 17	961
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 21	Sept. 8	1185
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 2	Oct. 5	1220
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	†Jan. 31	†Feb. 5	693
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Aug. 9	Aug. 2	1654
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 16	Nov. 15	1154
7. JARBOE, C. G., Optics, Photography	†Feb. 8	†Feb. 28	969
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 18	†Jan. 25	939
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 5	Oct. 9	1117
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 19	†Feb. 28	326
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Aug. 7	Aug. 12	1384
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 4	†Jan. 11	778
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Jan. 29	†Jan. 9	731
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 30	Dec. 6	824
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 8	†Jan. 13	763
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 15	Sept. 14	628
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 21	1117
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 29	Oct. 23	706
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 5	†Jan. 26	728
21. THOMPSON, T. J., Textiles	†Jan. 31	†Jan. 19	436
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Nov. 15	Nov. 20	1312
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Sept. 15	142
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 2	†Jan. 26	809
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 21	Nov. 7	954
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 14	Oct. 10	1137
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 7	998
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Sept. 6	Sept. 6	987
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Oct. 11	Oct. 5	1488
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Nov. 15	Nov. 29	1220
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Feb. 24	†Feb. 20	743
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 30	†Jan. 30	879
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 13	Dec. 14	1044
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 15	Nov. 9	618
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 11	Oct. 16	936
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 6	Nov. 16	705
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 12	Sept. 14	1095
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Nov. 6	Oct. 18	835
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 30	Oct. 21	1211
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 22	Nov. 20	1439
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 14	513
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 10	†Jan. 10	634
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 30	Oct. 20	778
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 24	Aug. 17	661
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 1	Nov. 1	1238
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 27	Oct. 27	722
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 29	†Jan. 6	1045
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 7	Nov. 6	1172
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 12	†Jan. 15	657
50. LEVIN, SAMUEL, Synthetic Resins	Dec. 14	Dec. 14	1490
51. CROCKER, A. W., Radiant Energy; Modulators	Nov. 1	Nov. 1	1745
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Sept. 25	Sept. 25	1510
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1253
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 7	Aug. 18	1266
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Dec. 8	Dec. 7	825
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 9	Oct. 2	990
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 4	Oct. 6	1019
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 31	†Jan. 19	720
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	Aug. 24	Sept. 11	1403
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 31	Nov. 1	1064
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 23	1004
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 14	Aug. 28	1788
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 10	Sept. 4	1370
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 5	Mar. 12	741
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 7	Sept. 7	1292
Trade-Marks: RICHMOND, F. A.	†Apr. 2	†May 29	2763
Designs: KALUPY, H. H.	†May 5	†June 12	1125

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE HOOVER COMPANY
v.
COE, COMMISSIONER OF PATENTS

No. 486. Decided April 30, 1945

[— U. S. —; 65 USPQ 180]

1. SUIT UNDER SECTION 4915 R. S.—JURISDICTION.
The district court *Held* to have jurisdiction over a suit brought by petitioner against the Commissioner of Patents under section 4915 R. S., in which the sole issue involved was whether claims copied, or substantially copied, from patents, in order to provoke interferences therewith, were readable on the application filed by petitioner's assignor.

2. SAME—APPEAL UNDER SECTION 4911 R. S.—ALTERNATIVE RIGHTS OF REVIEW.
"Alternative rights of review are accorded an applicant—one by appeal to the United States Court of Customs and Patent Appeals, the other by bill in equity filed in one of the federal district courts. In the first the hearing is summary and solely on the record made in the Patent Office; in the other a formal trial is afforded on proof which may include evidence not presented in the Patent Office. Every party adversely affected by a ruling on the merits may, if he so elect, proceed by bill rather than by appeal. In the one case the adjudication in equity authorizes issue of a patent on the applicant's 'otherwise complying with the requirements of law'. In the other the decision 'shall govern the further proceedings in the case' in the Patent Office."

3. SAME—SAME—ALTERNATIVE REMEDIES.
The differences in the character of the proceedings under sections 4915 and 4911 R. S. and the statutory effect of decision or adjudication do not require a holding that as to all decisions on the merits adverse to the applicant, other than the final action as to the issue of a patent, the applicant must obtain review by appeal to the Court of Customs and Patent Appeals, and can proceed by bill under section 4915 R. S. only when every step requisite to issue has been taken.

4. SAME—JURISDICTION.
"The ruling of the Board of Appeals in the instant case was neither a procedural ruling nor an interlocutory one as to which the district court should not entertain a suit under R. S. 4915. On the contrary, it finally denied a patent on the claims presented. In this respect it was like a dismissal of a suit in a court. Unless the applicant could sue to correct error in that dismissal, he could never sue under R. S. 4915. That he was accorded a right of suit in this case the language of the statute, its history, the administrative construction and judicial decision unite in affirming."

ON WRIT of certiorari to the United States Court of Appeals for the District of Columbia. Reversed.

Mr. Richard R. Fitzsimmons and *Mr. William D. Sellers* (*Mr. William S. Hodges* on the brief) for The Hoover Company.

Mr. T. Hayward Brown (*Mr. Charles Fahy, Mr. Francis M. Shea, Mr. David L. Kreeger, Mr. Robert L. Stern, Mr. Joseph B. Goldman*, and *Mr. Joseph Y. Houghton* on the brief) for the Commissioner of Patents.

Mr. J. Bernhard Thiess, Mr. Bertram Wm. Coltman, and *Mr. Sidney Neuman* filed brief on behalf of Paul A. Sturtevant as amicus curiae.

Mr. Justice ROBERTS delivered the opinion of the Court.

[1] The question presented is whether a district court has jurisdiction of a suit under R. S. 4915 [1] to review the refusal of a claim for patent as not reading on the application. The court below answered in the negative.

The respondent confesses error. The language of the act, its legislative history, administrative practice, and judicial construction, constrain us to hold that the district court had jurisdiction of the suit and that the court of appeals should have reviewed its decision upon the merits.

January 10, 1941, the petitioner's assignor filed application for a reissue of a patent granted November 7, 1939, on an original application of August 8, 1936. The alleged invention is for improvements in a refrigerating system. A number of claims included in the application for reissue were copied, or substantially copied, from several later patents, in order to provoke interferences therewith and a contest as to priority of invention.

The Primary Examiner finally rejected four of the claims, stating that they were rejected "as not reading on applicant's disclosure" . . . The Board of Appeals of the Patent Office affirmed the Examiner's decision. The petitioner then brought suit against the Commissioner of Patents under R. S. 4915 in the United States District Court for the District of Columbia, to compel him to allow the four claims, to the end that interference proceedings might be instituted. The case was heard on the Patent Office record and additional evidence. The court entered findings of fact and conclusions of law and dismissed the complaint on the ground that the claims did not read on, that is, did not accurately describe, the disclosure in the application.

On appeal the court below on its own motion raised the question "whether [R. S. 4915] confers jurisdiction on the district court to enter a decree which does not determine the right of the applicant to receive a patent but which instead directs the Examiner to allow claims for the purpose of provoking subsequent interference proceedings". The parties were heard upon this question and the court decided that the district court lacked jurisdiction of the suit, and on that ground affirmed its judgment of dismissal.[2]

R. S. 4915 is in part:

"Whenever a patent on application is refused by the Board of Appeals or whenever any applicant is dissatisfied with the decision of the Board of Interference Examiners, the applicant, unless appeal has been taken to the United States Court of Customs and Patent Appeals, and such appeal is pending or has been decided, in which case no action may be brought under this section, may have remedy by bill in equity, if filed within six months after such refusal or decision; and the court having cognizance thereof, on notice to adverse parties and other due proceedings had, may adjudge that such applicant is entitled, according to

[1] 35 U. S. C. § 63.
[2] 144 F.(2d) 514.

law, to receive a patent for his invention, as specified in his claim or for any part thereof, as the facts in the case may appear. And such adjudication, if it be in favor of the right of the applicant, shall authorize the Commissioner to issue such patent on the applicant filing in the Patent Office a copy of the adjudication and otherwise complying with the requirements of law. In all cases where there is no opposing party a copy of the bill shall be served on the Commissioner; and all the expenses of the proceedings shall be paid by the applicant, whether the final decision is in his favor or not." . . .

The court below held that in conformity to the general rule, a court of equity ought not to afford piecemeal relief pending completion of the administrative process, and consequently ought not to entertain a suit under the statute unless its adjudication would conclude all possible questions as to the right to a patent.

1. On its face the statute confers the right to sue "Whenever a patent on application is refused by the Board of Appeals" . . . The patent applied for (that is, the claims in question) was finally refused by the Board of Appeals. No appeal was taken to the United States Court of Customs and Patent Appeals, and petitioner filed its bill within the time limited in the section.

Two matters may be noted respecting R. S. 4915. These are the denial of jurisdiction if appeal has been taken to the United States Court of Customs and Patent Appeals and the statement that adjudication in favor of the applicant shall authorize the Commissioner to issue a patent. These provisions require reference to R. S. 4911, as amended. That section provides:

"If any applicant is dissatisfied with the decision of the Board of Appeals, he may appeal to the United States Court of Customs and Patent Appeals, in which case he waives his right to proceed under section 63 [R. S. 4915] of this title. If any party to an interference is dissatisfied with the decision of the Board of Interference Examiners, he may appeal to the United States Court of Customs and Patent Appeals: *Provided*, That such appeal shall be dismissed if any adverse party to such interference shall, within twenty days after the appellant shall have filed notice of appeal according to section 60 of this title, file notice with the Commissioner of Patents that he elects to have all further proceedings, conducted as provided in section 63 [R. S. 4915]. Thereupon the appellant shall have thirty days thereafter within which to file a bill in equity under said section 63 [R. S. 4915], in default of which the decisions appealed from shall govern the further proceedings in the case."

[2] It is evident that alternative rights of review are accorded an applicant—one by appeal to the United States Court of Customs and Patent Appeals, the other by bill in equity filed in one of the federal district courts. In the first the hearing is summary and solely on the record made in the Patent Office[3]; in the other a formal trial is afforded on proof which may include evidence not presented in the Patent Office.[4] Every party adversely affected by a ruling on the merits may, if he so elect, proceed by bill rather than by appeal. In the one case the adjudication in equity authorizes issue of a patent on the applicant's "otherwise complying with the requirements of law". In the other the decision "shall govern the further proceedings in the case" in the Patent Office.[5]

[3] The question is whether the differences in the character of the proceedings and the statutory effect of decision or adjudication require a holding that as to all decisions on the merits adverse to the applicant, other than the final action as to the issue of a patent, the applicant must obtain review by appeal to the Court of Customs and Patent Appeals, and can proceed by bill under R. S. 4915 only when every step requisite to issue has been taken. If so, the language of R. S. 4915 is ill chosen. "Whenever a patent on application is refused" states precisely this case. The petitioner's application was refused. "Whenever any applicant is dissatisfied with the decision of the Board of Interference Examiners" states a case where the Examiner's decision may be only one of a series of rulings in the Patent Office prior to issue of a patent. It can hardly be that these phrases have no effect and are to be read as "Whenever, after all administrative steps are complete and a patent is about to issue, any person aggrieved may have remedy by bill in equity". If that be the correct construction, one finally denied a patent could not resort to the specified remedy, since, even if his contention were sustained, he might thereafter have to leap the hurdles in the Patent Office of interferences, later references, and other obstacles to patentability.

On the face of the statutes the applicant is given alternative remedies resulting in the same sort of relief so far as concerns the further prosecution of the application in the Patent Office.

2. The legislative history confirms the view that Congress so intended.

That history cannot be stated briefly. It has its origin in the Patent Act of 1836[6] which afforded an applicant aggrieved by a ruling of the Commissioner an appeal to a Board of Examiners.[7] By a later section it was provided that "whenever a patent on application shall have been refused on an adverse decision of a Board of Examiners, on the ground that the patent applied for would interfere with an unexpired patent", the applicant might have remedy by bill in equity; and the court might adjudge the applicant entitled to a patent, according to his claim or any part of it. Adjudication favorable to the applicant was to "authorize the Commissioner to issue such patent" on the applicant's filing a copy of the adjudication "and otherwise complying with the requisitions of this act."[8] It will be noted that a bill might be filed under this statute only where the rejection of a claim was for interference with an outstanding patent. By the act of March 3, 1837,[9] the same remedy was afforded an applicant for patent for an improvement or for "correction and re-issue."

By the act of March 3, 1839,[10] the same remedy was extended "to all cases where patents are refused for any reason whatever, either by the Commissioner of Patents or by the Chief Justice of the District of Columbia, upon appeals from the decision of said Commissioner", as well as where the refusal was based on asserted interference. The

[3] See R. S. 4914, 35 U. S. § 62.
[4] *Butterworth* v. *Hoe*, 112 U. S. 50, 61, 29 O. G. 615.
[5] R. S. 4911, supra.
[6] 5 Stat. 117.
[7] Sec. 7, 5 Stat. 119–120.
[8] Sec. 16, 5 Stat. 123.
[9] 5 Stat. 191.
[10] Sec. 10, 5 Stat. 354.

reason for adding the phrase concerning the decision of the Chief Justice was that, by sec. 11[11] of the same act, a summary appeal on the Patent Office record to this judicial officer was substituted for the former appeal to a Board of Examiners given by the act of 1836.[12]

Thus a district court might set aside, on bill filed, any ruling refusing a patent, either on interference or otherwise, whether the ruling were that of the Patent Office or of a judge of the Circuit Court of the District of Columbia on appeal from the Patent Office decision.

The act of July 8, 1870,[13] amended, revised, and consolidated existing law. In sec. 48[14] it enacted that in ex parte cases an applicant for patent or reissue whose claims had been twice rejected might appeal to the Supreme Court of the District of Columbia. The hearing was to be summary, to be on the office record, and the decision was "to govern the further proceedings in the case."[15] In sec. 52 it provided that whenever a patent on application "is refused, for any reason whatever", either by the Commissioner or by the Supreme Court of the District upon appeal, the remedy by bill in equity should be available. The adjudication was to authorize the issue of a patent on the applicant's filing a copy in the Patent Office "and otherwise complying with the requisitions of law." This statute was construed to require an appeal to the District Supreme Court as a condition precedent to the maintenance of a bill in equity.[16]

The provisions of the act of 1870 were codified in the Revised Statutes of 1873.[17] In the process the words "for any reason whatever" were deleted from sec. 52, which became R. S. 4915. The omission was evidently because the words were surplusage, since the purpose of the revisers was not "to attempt any change whatever in the existing law" except "mere changes of phraseology not affecting the meaning of the law."[18]

By the act of February 9, 1893[19] the Court of Appeals for the District of Columbia was created and jurisdiction of summary appeals from Patent Office rulings was transferred to that court. Thus the remedy by bill in equity was now to be pursued in a district court only after an appeal to the Court of Appeals of the District had resulted adversely to the applicant; and an adjudication in the equity suit was subject to review on appeal.

So matters stood until the passage of the act of March 2, 1927.[20] In the hearings on the bill which became the statute, it was proposed that Congress eliminate either the appeal or the bill in equity, some interested parties suggesting abolition of the one remedy, others advocating dropping the other. Congress decided not to do away with either, but to allow an applicant "to have the decision of the Patent Office reviewed either by the court of appeals or by filing a bill in equity, but not both."[21] It is evident that no alteration in respect of the rulings which could be reviewed was intended; but the number of possible appeals was to be reduced, while saving to litigants the option of producing new evidence in a court, by retaining the equity procedure.[22]

Finally, the act of March 2, 1929[23] transferred from the Court of Appeals of the District to the Court of Customs and Patent Appeals jurisdiction of appeals from the Patent Office, but ex industria provided "Nothing contained in this act shall be construed as affecting in any way the jurisdiction of the Court of Appeals of the District of Columbia in equity cases." This was of course to make it plain that suits in the District Court of the District of Columbia should be appealable as are suits under R. S. 4915 instituted in district courts in circuits outside the District.

Thus it is clear that throughout more than a century Congress has for correction of erroneous adverse rulings, which if unreversed would end the proceedings in the Patent Office, preserved the remedy by bill in a district court either as additional to or alternative to that by summary appeal and has made the effect of adjudication in equity the same as that of decision on appeal.

3. The Commissioner of Patents states that "when claims are finally rejected by the Examiner and his action is affirmed by the Board of Appeals, the grounds then stated for such rejection, as well as any other grounds in support thereof, may be set up by this Office in answer to a subsequent suit by the applicant under Rev. Stat. 4915. If the adjudication by the court is favorable to the applicant, it is the practice of this Office to treat that judgment as conclusive with respect to any ground of rejection urged before the court in defense of the refusal to allow the claims in issue. In the usual case, following such adjudication, the application is allowed and, upon payment of the prescribed fee, the patent is issued. However in rare instances where, after termination of the suit, new reference is discovered which shows lack of patentability of the claims for a reason not considered by the court, this Office considers itself under a duty to reject the claims on the newly discovered ground, and to refuse a patent on those claims unless the applicant can overcome the new ground of rejection. Similarly, if another applicant or a

[11] 5 Stat. 354.
[12] By the act of August 30, 1852, 10 Stat. 75, such summary appeal might be heard by any judge of the Circuit Court of the District of Columbia.
[13] 16 Stat. 198.
[14] 16 Stat. 205.
[15] Sec. 50, 16 Stat. 205.
[16] *Kirk* v. *Commissioner of Patents*, 1886 C. D. 440; *Fekete* v. *Robertson*, 17 F.(2d) 335; *Cooper* v. *Robertson*, 38 F.(2d) 852.
[17] The relevant sections are 4911–15 inclusive.
[18] 2 Cong. Rec. 646.
[19] 27 Stat. 434, 436.
[20] 44 Stat. 1335.
[21] H. R. No. 1889, pp. 2–3; S. R. No. 1313, p. 4, 69th Cong., 2d Sess.
[22] See H. R. 1889, supra, p. 3; Hearings, House Committee on Patents, on H. R. 6252 and H. R. 7087, 69th Cong., 1st Sess., pp. 21–22; Hearings, House Committee on Patents, on H. R. 7563 and H. R. 13487, 69th Cong., 2d Sess., p. 11; Hearings, Senate Committee on Patents, on S. 4812, 69th Cong., 2d Sess., p. 15; Hearings, House Committee on the Judiciary, on H. R. 6687, 70th Cong., 1st Sess., passim; cf. Hearings, House Committee on Patents, on H. R. 7563 and H. R. 13487, 69th Cong., 2d Sess., p. 31; Hearings, House Committee on Patents on H. R. 6252 and H. R. 7087, 69th Cong., 1st Sess., p. 79.
[23] 45 Stat. 1475.

patentee is claiming substantially the same subject matter as that held patentable in the Rev. Stat. 4915 suit and a question of priority arises, interference proceedings may be necessary under Rev. Stat. 4904 to determine which of the adverse claimants is the first inventor. . . The foregoing is believed to have been the consistent practice of this Office for many years."

4. This court has repeatedly indicated a view of the meaning of R. S. 4915 which is inconsistent with the decision below,[24] although the exact question here presented was not involved in the cases under adjudication. The lower federal courts have consistently construed the section as conferring jurisdiction in cases which are indistinguishable from that at bar.[25] They have so held in cases where it affirmatively appeared that further proceedings in the Patent Office would be necessary following adjudication in favor of the applicant,[26] and where though it did not appear of record that further proceedings would be required in the Patent Office, it was evident that they might ensue adjudication, as where a patent was denied for want of invention.[27] And, where an applicant has succeeded in a bill filed under R. S. 4915, the courts have not questioned the power of the Patent Office subsequently to disallow the claims for want of invention over a newly discovered reference to the prior art.[28]

The court below relied upon *Hill* v. *Wooster*, 132 U. S. 693, for its holding that a suit under R. S. 4915 cannot select a single issue which affects the applicant's right to a patent, without determining all the other issues on which that right depends. That case was one in which the Commissioner had decided an interference between the claims of two applicants in favor of one of them, and ordered that a patent issue. In an inter partes suit by the unsuccessful applicant against the successful one, this court held that if it appeared that neither application disclosed invention (a matter which should have moved the Commissioner not to declare an interference) the bill should be dismissed.[29]

The court did not purport to decide what Patent Office rulings are reviewable under R. S. 4915.[30]

[4] The ruling of the Board of Appeals in the instant case was neither a procedural ruling[31] nor an interlocutory one[32] as to which the district court should not entertain a suit under R. S. 4915. On the contrary, it finally denied a patent on the claims presented. In this respect it was like a dismissal of a suit in a court. Unless the applicant could sue to correct error in that dismissal, he could never sue under R. S. 4915. That he was accorded a right of suit it this case the language of the statute, its history, the administrative construction and judicial decision unite in affirming.

The judgment is reversed and the cause remanded for further proceedings in conformity to this opinion.

[24] *Gandy* v. *Marble*, 122 U. S. 432, 439, 39 O. G. 1423; *In re Hein*, 166 U. S. 432, 439, 79 O. G. 507; *Frasch* v. *Moore*, 211 U. S. 1, 8–9, 137 O. G. 230; *American Foundries Co.* v. *Robertson*, 262 U. S. 209, 212–213, 324 O. G. 963; *United States* ex rel. *The Baldwin Co.* v. *Robertson*, 265 U. S. 168, 180–181, 327 O. G. 5.

[25] *Dilg* v. *Moore*, 34 App. D. C. 106, 150 O. G. 269; *E. I. du Pont de Nemours & Co.* v. *Coe*, 89 F.(2d) 679, 406 O. G. 243; *Pitman* v. *Coe*, 68 F.(2d) 412, 439 O. G. 5; *Power Patents Co.* v. *Coe*, 110 F.(2d) 550; *Tully* v. *Robertson*, 19 F.(2d) 954; *Monopower Corp.* v. *Coe*, 33 F. Supp. 934; *Booth Fisheries Corp.* v. *Coe*, 114 F.(2d) 462, 519 O. G. 219; *Forward Process Co.* v. *Coe*, 116 F.(2d) 946, 524 O. G. 3.

[26] *Pitman* v. *Coe*, supra; *International Cellucotton Co.* v. *Coe*, 85 F.(2d) 869, 471 O. G. 243; *American Cyanimid Co.* v. *Coe*, 106 F.(2d) 851.

[27] *American Steel & Wire Co.* v. *Coe*, 105 F.(2d) 17, 504 O. G. 847; *Abercrombie* v. *Coe*, 119 F.(2d) 458; *General Motors Corp.* v. *Coe*, 120 F.(2d) 736, 534 O. G. 702; *Radtke Patents Corp.* v. *Coe*, 122 F.(2d) 937; *Hydraulic Press Corp* v. *Coe*, 124 F.(2d) 521, 535 O. G. 438; *Minnesota Mining & Mfg. Co.* v. *Coe*, 125 F.(2d) 198, 535 O. G. 691; *Poulson* v. *McDowell*, 142 F.(2d) 267, 565 O. G. 147.

[28] *Gold* v. *Newton*, 254 Fed. 824, 256 O. G. 649.

[29] Section 16 of the act of 1836 (5 Stat. 123) supra expressly provided that upon a bill filed as a result of Patent Office decision on an interference the court might adjudge either of the patents void in whole or in part. This language was evidently omitted in later acts as surplusage, for obviously if either patent was void for lack of invention or other cause, the question of interference disappeared.

[30] This is equally true of *Radtke Patents Corp.* v. *Coe*, 122 F.(2d) 937, on which the court below relied.

[31] *Butterworth* v. *Hoe*, 112 U. S. 50, 29 O. G. 615; *Shoemaker* v. *Robertson*, 54 F.(2d) 456, 413 O. G. 565; *Chessin* v. *Robertson*, 63 F.(2d) 267; *Cherry-Burrell Corp.* v. *Coe*, 143 F.(2d) 372, 427 O. G. 621.

[32] *American Cable Co.* v. *John A. Roebling's Sons Co.*, 65 F.(2d) 801, 431 O. G. 534; *Synthetic Plastics Co.* v. *Ellis-Foster Co.*, 78 F.(2d) 847.

U. S. Court of Customs and Patent Appeals

IN RE PARKER

No. 4,987. Decided April 9, 1945

[148 F.(2d 1003; 65 USPQ 370]

PATENTABILITY—TUBE COUPLING.

A claim to a tube element assembly comprising a metal tube to be coupled and a thin flexible metal protective sleeve *Held* unpatentable over appellant's own prior patent.

APPEAL from the Patent Office. Affirmed.

Messrs. Mason & Porter (*Mr. Charles J. Diller* of counsel) for Parker.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 1 in appellant's application for a patent for an alleged invention relating to improvements in a tube and protective sleeve assembly.

Four claims, Nos. 2, 3, 4, and 5, were allowed by the Board.

The rejected claim reads:

1. A tube element assembly comprising a metal tube to be coupled, and a thin flexible metal protective sleeve surrounding said tube at one end and including a flared portion opposed to the end portion of the tube, opposed wall portions of said tube and sleeve being engaged in permanent intimate wall-to-wall contact, and said tube being flared against the flare of the sleeve.

The Primary Examiner cited the following references: Stover, 1,862,833, June 14, 1932; Parker, 1,893,442, January 3, 1933; Barradell (British), 410,312, May 17, 1934.

In rejecting the claim here on appeal, the Board relied solely upon appellant's reference patent (Parker, 1,893,442, January 3, 1933). In view of our conclusion, the Parker reference is the only one which need be given consideration here.

It will be observed that the quoted claim calls for a tube and sleeve assembly comprising a metal tube and a thin flexible metal protective sleeve which surrounds the tube at one end. The sleeve has a flared portion opposed to a flared end portion of the tube. The opposed wall portions of the tube and sleeve are, as stated in the claim, "engaged in permanent intimate wall-to-wall contact."

Appellant states in his application that the purpose of his improved tube and protective sleeve is to "gradually dampen vibrations in the tube when coupled and thereby minimize tube breakage." It is further stated in appellant's application that—

> When the sleeves *loosely* surround the tubes, vibration has caused breakage at the base of the tube flares, or in other words, at the juncture of the tube proper and the flared end portion thereof. When it was attempted to remedy this condition by rendering the sleeves *tight* about the tubes *throughout the length of the sleeves*, vibration thus suddenly dampened at the sleeve ends resulted in breakages at that point.
>
> Therefore, it is an object of the present invention to provide a novel tube and protective sleeve assembly in which the tube and sleeve are in *permanent intimate wall to wall contact throughout a portion only of the length of the sleeve* and including the tube end flare base, thereby causing tube vibrations to be dampened gradually in the sleeve and well above the tube end flare base. [Italics ours.]

It may be stated at this point that each of the allowed claims contains the limitation that the opposed wall portions of the tube and sleeve are engaged in permanent intimate wall-to-wall contact "extending throughout *a substantial portion of but less than the whole length of the sleeve.*" [Italics not quoted.] It is that feature which appellant states in his application gradually dampens vibrations and prevents breakage, and it was that feature which the Board relied upon in holding the allowed claims patentable over the references of record.

It will be observed that the appealed claim does not contain that limitation.

Appellant's reference patent relates to tube couplings, and discloses the several elements employed in the tube and sleeve assembly here involved. It is stated in the patent that "The inner diameter of this sleeve * * * [the sleeve surrounding the tube] is *substantially* the same as the outer diameter of the tube, *although a tolerance or clearance may be provided if desired.*" [Italics ours.]

In holding that the claim here on appeal was not patentable over appellant's patent, the Board, in its original decision, stated that it "does not preclude" the "structure" disclosed in the quoted excerpt from the patent.

In a decision rendered subsequent to appellant's request for reconsideration of its original decision, the Board stated that the quoted excerpt from appellant's patent clearly indicated that there might be either a tight or loose fit between the opposed wall portions of the tube and sleeve; that, if there was a tight fit, "a more or less permanent contact would be provided"; and that the permanency of the contact was not "a material factor in the present invention."

It is argued here by counsel for appellant that in reaching its conclusion the Board ignored or misinterpreted the word "substantially" in the quoted excerpt from appellant's patent, and that, as we understand the argument of counsel, by the use of the term "substantially" the patentee intended to state that there was a tolerance or clearance between the tube and sleeve.

It is evident, we think, from its decision that the Board interpreted the word "substantially" in the first clause of the quoted excerpt in the light of the second clause, which reads: "although a tolerance or clearance might be provided if desired," and held that the plain meaning of the quoted excerpt is that there might be either a tight or loose fit between the inner surface of the sleeve and the outer surface of the tube.

We are in accord with those views. Obviously, if it was the patentee's purpose to state that the inner diameter of the sleeve and the outer diameter of the tube were only substantially the same and that a tight fit was not intended, there certainly was no occasion for stating that a tolerance or clearance might be provided if desired.

It is true, as argued by counsel for appellant, that in Fig. 2 of appellant's patent the sleeve surrounds the tube rather loosely, and it may be, as counsel state, that the couplings disclosed in appellant's patent have always been manufactured with the sleeve loosely surrounding the tube. However, we think it is clear that one skilled in the art, following the teachings in the quoted excerpt from the patentee's specification, might well construct the coupling disclosed in the patent so as to have a tight fit between the sleeve and tube. That being so, the limitation in the appealed claim that the opposed wall portions of the tube and sleeve are "engaged in permanent * * * contact" does not lend patentability to the claim.

We have carefully considered the arguments presented here by counsel for appellant, but are of opinion that the appealed claim is not patentable over the disclosure in appellant's patent.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,693,578, J. Straka, Magazine pencil, filed May 12, 1945, D. C., N. D. Ill., E. Div., Doc. 45c689, *C. R. Keeran* v. *Dur-O-Lite Pencil Co.*

1,779,574, S. Wein, Direct reading photometer; 2,073,790, W. N. Goodwin, Jr., Photographic exposure meter, filed June 5, 1945, D. C. Conn. (New Haven), Doc. 1441, *Weston Electrical Instrument Corp.* v. *Dejur-Amsco Corp.*

1,859,213, H. McCornack, Apparatus for milking; 2,050,356, same, Process of milking, D. C., N. D. N. Y., Doc. 648, *McCornack Inventions, Inc., et al.* v. *Universal Milking Machine Co.* Consent decree dismissing complaint as to 2,050,356, Patent 1,859,213 held valid June 11, 1945.

1,933,099, H. Derman, Built up container; 2,009,482, same, Wardrobe, closet, and the like; 2,070,924, same, Cabinet and the like; 2,172,956, same, Cabinet; 2,200,329, same, Double door closet; 2,206,767, same, Collapsible closet; 2,235,574, same, Top shelf portable closet; 2,236,870, same, Knockdown cabinet; 2,274,048, same, Container, cabinet and the like; 2,274,533, same, Door frame for collapsible closets; 2,274,534, same, Collapsible cabinet; 2,274,046, same, Knockdown chest of drawers; 2,027,154, same, Cabinet, chest, and the like, D. C., S. D. N. Y., Doc. 21/358, *H. Derman* v. *Orora Co., Inc., et al.* Complaint dismissed in so far as it charges defendants with infringement of 2,009,482, 2,070,924, 2,172,956, 2,200,329, 2,206,767, 2,236,870, 2,274,533, 2,027,154 and 2,274,046, Feb. 1, 1944; cause dismissed for lack of prosecution June 5, 1945.

1,980,747, J. W. Bowersox, Cleaning cotton sweepings, filed April -, 1941, D. C., W. D. N. C. (Charlotte), Doc. 189, *Burton Dixie Corp.* v. *Ruy. Supply Co.* "Claim 1 held void for lack of novelty, and because of the state of prior use", cause dismissed (notice June 15, 1945).

2,009,482. (See 1,933,099.)

2,020,062, A. L. Jackson, Structural building device, filed June 8, 1945, D. C., S. D. N. Y., Doc. 31/606, *A. L. Jackson* v. *S. H. Pomeroy Co., Inc.*

2,027,154. (See 1,933,099.)

2,029,380, S. E. Manning, Apparatus for and method of cementing wells; 2,201,299, Owsley & Shook, Multiple stage cementing; Re. 19,570, E. P. Halliburton, Method and apparatus for cementing wells, D. C., Calif. (Los Angeles), Doc. 3164-PH, *Halliburton Oil Well Cementing Co.* v. *Baker Oil Tools, Inc.*

2,050,356. (See 1,859,213.)

2,066,298, M. M. Messing, Ladies' garment (declaratory judgment), D. C., S. D. N. Y., Doc. 20/433, *David Korn & Co., Inc.*, v. *Manhattan Undergarment Co., Inc., et al.* Order dismissing cause for lack of prosecution June 5, 1945.

2,070,924. (See 1,933,099.) 2,073,790. (See 1,779,574.)

2,082,051, L. P. Falconer, Fur cleaning device, filed June 6, 1945, D. C., E. D. Wis. (Milwaukee), Doc. 2422, *L. F. Falconer et al.* v. *De Marx Corp. et al.*

2,105,086, Liskin & Stimmel, Shipping case; 2,189,076, J. Liskin, Folding shipping case, D. C., S. D. N. Y., Doc. 12/458, *Standard Corrugated Case Corp.* v. *Servbest Co., Inc., et al.* Order dismissing cause for lack of prosecution June 5, 1945.

2,111,006, N. P. Roble, Abrasive products and method of manufacturing same, filed Oct. 19, 1942, D. C., Del., Doc. 273, *Minnesota Mining & Mfg. Co. et al.* v. *The Carborundum Co. et al.* (To correct error in 575 O. G., p. 208, suit under sec. 4915 R. S., incorrectly reported by Clerk of Del. Court as 2,111,008; for complete decision see 59 Fed. Supp. 709.)

2,170,197, W. Gumprich, Spring testing scale, D. C., E. D. Mich., S. Div., Doc. 1892, *American Coil Spring Co.* v. *Link Engineering & Mfg. Co.* Stipulation and order of dismissal without prejudice (notice June 6, 1945).

2,172,956. (See 1,933,099.)

2,177,627, R. G. Drew, Adhesive sheeting, filed June 12, 1945, D. C., S. D. N. Y., Doc. 31/670, *Cofax Corp.* v. *Minnesota Mining & Mfg. Co.*

2,189,076. (See 2,105,086.)

2,195,748, A. Leber, Optical exposure meter, D. C., S. D. N. Y., Doc. 13/3, *Mimosa American Corp.* v. *Durez Mfg. Corp. et al.* Order dismissing cause for lack of prosecution June 5, 1945.

2,196,815, L. T. Sawyer, Hair retaining comb, D. C., N. D. Ohio, E. Div., Doc. 22196, *L. T. Sawyer et al.* v. *Phillips Brush Co.* Patent held valid and not infringed; complaint dismissed June 15, 1945.

2,200,329. (See 1,933,099.) 2,201,299. (See 2,029,380.)

2,202,872, A. F. Shields, Cutting mechanism; 2,215,762, J. L. Morrison, Cyclically variable speed driving mechanism, filed June 8, 1945, D. C. N. J., Doc. 5659, *S. & S. Corrugated Paper Machinery Co., Inc.*, v. *G. W. Swift, Jr., Inc.*

2,203,482, F. Alexander, Gaseous conduction lamp, filed Oct. 19, 1944, D. C., S. D. N. Y., Doc. 28/21, *F. Alexander* v. *Fluorescent Co. of America.*

2,206,767. (See 1,933,099.) 2,215,762. (See 2,202,872.)

2,235,574. (See 1,933,099.) 2,236,870. (See 1,933,099.)

2,274,046. (See 1,933,099.) 2,274,048. (See 1,933,099.)

2,274,533. (See 1,933,099.) 2,274,534. (See 1,933,099.)

2,290,400, J. Wirgin, Camera stand, D. C., S. D. N. Y., Doc. 21/486, *J. Wirgin* v. *Klevo Photo Products, Inc.* Order dismissing cause for lack of prosecution June 5, 1945.

2,291,354, E. Sibley, Rotary pump, suit for declaratory judgment, D. C., E. D. Mich., S. Div., Doc. 3753, *Eaton Mfg. Co.* v. *E. Sibley et al.* All claims held invalid for want of invention; counterclaim dismissed (notice June 6, 1945).

2,345,527, L. Bayes, Padded garment construction, D. C., S. D. N. Y., Doc. 30/180, *Salem Products Corp. et al.* v. *Nan Westley Co.* Order of discontinuance (notice June 7, 1945).

2,362,465, G. M. Carner, Combination for supporting, restraining, and protecting a child when seated at a table, filed June 1, 1945, D. C., S. D. N. Y., Doc. 31/554, *Carner & McKewen* v. *New Born Needs.*

Re. 19,023, L. V. Aronson, Cigar lighter, filed June 11, 1945, D. C., S. D. N. Y., Doc. 31/665, *Ronson Art Metal Works, Inc.*, v. *Avedon Mfg. Corp. et al.*

Re. 19,570. (See 2,029,380.)

Des. 110,796, Des. 110,797, Des. 110,798, S. A. Crosby, Stapling machine, D. C., S. D. N. Y., Doc. 10/420, *Speed Products Co.* v. *C. I. Tager et al.* Order dismissing cause for lack of prosecution June 5, 1945.

Des. 110,797. (See Des. 110,796.)

Des. 110,798. (See Des. 110,796.)

Des. 124,311, A. A. Gerling, Stuffed doll, D. C., S. D. N. Y., Doc. 30/45, *Ideal Novelty & Toy Co.* v. *Knickerbocker Toy Co., Inc.* Stipulation filed discontinuing action June 7, 1945.

Des. 134,803, M. Hagen, Dress, D. C., S. D. N. Y., Doc. 21/220, *Nelson-Caine* v. *Beacon Frocks, Inc.* Order dismissing cause for lack of prosecution June 5, 1945.

Register of Patents Available for Licensing or Sale

Pat. 2,308,943. BRIDGE AND FLOORING THEREFOR. Patented Jan. 19, 1943. Utilizes I-beams, reinforcing struts on the beams, a pair of horizontally disposed flanges extending laterally from the webs adjacent the top forming a crevice to receive the ends of upwardly arched plates, the flanges being the sole support for the plates. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 33—12—81. Reg. No. 70.

Pat. 2,239,206. PLASTIC SHOE. Patented Apr. 22, 1941. Shoe or sandal with metal arch support, sole having a plurality of bands curving upwardly and inwardly leaving substantial spaces at their meeting points. Shoe may be fitted to foot by heating. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Groups 28—83; 31—41. Reg. No. 71.

Pat. 2,244,436. ELECTRICAL CONTACT. Patented June 3, 1941. Made from porous metal, the pores being filled with a conductive fireproof lubricant. (Owner) Chester Tietig, 435 Reading Rd., Cincinnati 2, Ohio. Group 36—11. Reg. No. 72.

Pat. 2,353,377. SHOCKPROOF RELAY. Patented July 11, 1944. For use on high speed moving objects. A momentum-resisting relay switch, gravitational forces being counteracted by a balanced armature arrangement. (Owners) John L. Vaughn and R. W. Hood. Address correspondence to R. W. Hood, 1528 W. Adams St., Chicago, Ill. Groups 36—11—41; 37—12. Reg. No. 73.

Pat. 2,322,549. TILTING SWITCH ALARM OR SIGNAL. Patented June 22, 1943. A wind controlled tilting alarm or signal for use with a sign or the like comprising a tube having therein conductive elements attached to terminals, and a pendulum attached terminal which will swing when the device is tilted, thereby closing the circuit actuating an electric signal or alarm. (Owner) Marius Sorensen, 3275 32d St., Astoria, Long Island, N. Y. Group 36—62. Reg. No. 74.

Pat. 2,370,186. METHOD OF THE MEANS FOR PRODUCING DECORATED MATERIAL. Patented Feb. 27, 1945. Presses material with a wire mesh die having compacted design areas. Three-dimensional designs may be reproduced. (Owner) Edgar C. V. Oldofredi, 77 Chambers St., New York, N. Y. Groups 27—51—89; 31—14; 33—41. Reg. No. 75.

Pat. 2,368,444. INTERNAL-COMBUSTION ENGINE. Patented Jan. 30, 1945. Crankless type with means for converting reciprocating movement of the pistons to rotary movement of the flywheel and engine shaft. (Owners) Joseph E. Blanding and Patrick B. McNamara. Address correspondence to Joseph E. Blanding, 49 Berkeley Ave., New London, Conn. Group 35—19. Reg. No. 76.

Pat. 2,352,682. OIL FUEL FEED DEVICE. Patented July 4, 1944. Device for mounting on a motor having means for mixing and heating a charge to insure a highly combustible mixture passing into the engine cylinders. (Owners) Joseph E. Blanding and Patrick B. McNarmara. Address correspondence to Joseph E. Blanding, 49 Berkeley Ave., New London, Conn., Groups 35—12—19; 38—31. Reg. No. 77.

Pat. 2,238,829. GAME. Patented Apr. 15, 1941. Movable pieces permanently attached to playing board; board has indicia arranged in a progression and adapted to be consecutively disclosed by a chance controlled means. (Owners) Josephus R. Houtman and Jacobus G. Schoonderwoerd, Enka, N. C. Address correspondence to Albin F. Knight, 36 North Griffing Blvd., Asheville, N. C. Group 39—41. Reg. No. 78.

Pat. 2,375,377. SHOCK ABSORBER. Patented May 8, 1945. Consists of a cylinder filled with a liquid such as oil and a plunger which acts as a means for stabilizing movements of a vehicle body. The liquid in the cylinder is in communication with an external supply of liquid under control of automatic valves so that pressure difference on either side of cylinder is positively controlled. (Co-owner) Sergei D. Mitereff, P. O. Box 426, Williamsburg, Va. Groups 35—22; 37—21; 38—31. Reg. No. 79.

Pat. 2,212,426. SHOCK ABSORBER. Patented Aug. 20, 1940. Employs a piston and cylinder with upper and lower compartments between the vehicle body and springs or ends of front and rear axles. Compressed air or fluid is responsive to vertical velocity and acceleration. Has means to prevent tilting or rocking on curves. May be used as stabilizer on aircraft. (Co-owner) Sergei D. Mitereff, P. O. Box 426, Williamsburg, Va. Groups 35—22; 37—21; 38—31. Reg. No. 80.

Pat. 2,181,133. LECTURE DESK. Patented Nov. 28, 1939. Reg. No. 81.

Pat. 2,181,134. LECTURE AND PROJECTION DESK. Patented Nov. 28, 1939. Reg. No. 82.

Pat. 2,238,267. LECTURE AND PROJECTION DESK. Patented Apr. 15, 1941. Reg. No. 83.

Pat. 2,309,120. LECTURE AND PROJECTION DESK OF THE SCRIPTOSCOPE TYPE. Patented Jan. 26, 1943. Reg. No. 84.

Pat. 2,351,618. LECTURE AND PROJECTION DESK OF THE SCRIPTOSCOPE TYPE. Patented June 20, 1944. Reg. No. 85.

The five patents listed above relate to kindred subject matter and deal with a lecture desk having built in projection means whereby any sketches or figures needed by the lecturer in the course of his discussion may be produced by him in a given area on the surface of the desk and will be automatically projected onto a screen built into the desk and facing the audience. Lecturer and audience thus continually face each other and the need of a blackboard is obviated. (Owner) The Scriptoscope Company, 506 W. 35th St., Wilmington 204, Del. Groups 25—11—21—31; 39—12.

Pat. 2,359,296. ADJUSTABLE REAMER. Patented Oct. 3, 1944. Reg. No. 86.

Pat. 2,361,379. ADJUSTABLE REAMER. Patented Oct. 31, 1944. Reg. No. 87.

The two patents listed above relate to adjustable reamer and grinding method so constructed that all necessary grinding and tapering of the reamer surfaces may be accomplished by radial grinding and without the necessity of changing the axis of the grinding wheel with respect to the reamer and without removing blades from the reamer. (Owner) Wilson C. Broga, 28 Jefferson St., Westfield, Mass. Group 35—41—43.

Pat. 1,708,957. STAND FOR IRONS. Patented Apr. 16, 1929. A stand for supporting an electric iron with a swinging elbow type handle in various inverted ironing and heating positions. Iron placed in the stand can be used in the treatment of various articles of clothing without holding the iron in the hand. (Owner) Albertine Ruelland, 447 W. 162d St., New York 32, N. Y. Groups 35—81; 36—21. Reg. No. 88.

Pat. 1,958,592. ELECTRIC IRON. Patented May 15, 1934. Electric iron with a single elbow type rotating handle built around means on the iron for receiving a plug, which may be swung to predetermined positions and locked or unlocked by finger operated means on the handle. (Owner) Albertine Ruelland, 447 W. 162d St., New York 32, N. Y. Groups 35—81; 36—21. Reg. No. 89.

Pat. 2,013,854. ELECTRIC IRON. Patented Sept. 10, 1935. Has connecting member adapted to receive an electric plug for pivotally connecting a rotating elbow type handle to the iron in various adjusted positions. Iron can be used in one of its various positions without holding it in the hand. (Owner) Albertine Ruelland, 447 W. 162d St., New York 32, N. Y. Groups 35—81; 36—21. Reg. No. 90.

Pat. 2,124,713. ELECTRIC IRON AND IMPROVEMENT IN THE HANDLE PORTION THEREOF. Patented July 26, 1938. Has a socket in the heel of the iron with a single elbow type rotating handle which may be swung to various predetermined positions, and locked or unlocked by finger operated means on the handle. (Owner) Albertine Ruelland, 447 W. 162d St., New York 32, N. Y. Groups 35—81; 36—21. Reg. No. 91.

Pat. 2,296,551. CALENDAR. Patented Sept. 22, 1942. Hollow casing having window openings in the front wall behind which drums with calendar material are rotatively supported and exterior means to control rotation of the drums to expose portions of calendar in the window openings. (Owner) Hilario V. Ylio, 57 Autumn Ave., Brooklyn, N. Y. Groups 27—51; 33—73. Reg. No. 92.

Pat. 2,089,318. CARD TABLE. Patented Aug. 10, 1937. Foldable card table having legs connected in pairs, which may be quickly and easily moved to either table supporting or folded position without turning the table and grasping each leg. Has supporting brace structure. (Owner) Charles C. Willson, 166 N. Walnut St., East Orange, N. J. Group 25—11—14. Reg. No. 93.

Pat. 2,097,008. RAILROAD ROUTING CHART. Patented Oct. 26, 1937. Chart or series of companion charts in book or other form with lines indicating predetermined possible routes between various cities or gateways. (Owner) William C. Wertenbruch, 517 Buchanan St., N. W., Washington 11, D. C. Group 27—32. Reg. No. 94.

Pat. 1,983,269. THERMOSTATIC ELEMENT. Patented Dec. 4, 1934. Reg. No. 95.

Pat. 1,991,495. THERMOSTATIC ELEMENT. Patented Feb. 19, 1935. Reg. No. 96.

Pat. 1,991,496. PROCESS OF MAKING A COMPOUND METALLIC INLAID STRUCTURE. Patented Feb. 19, 1935. Reg. No. 97.

Pat. 2,086,857. METHOD OF MAKING BIMETALLIC ELEMENTS. Patented July 13, 1937. Reg. No. 98.

Pat. 2,144,915. TAPERED THERMOSTATIC ELEMENT. Patented Jan. 24, 1939. Reg. No. 99.

Pat. 2,189,459. REVERSED BIMETALLIC THERMAL ELEMENT. Patented Feb. 6, 1940. Reg. No. 100.

A series of patents covering method of making bimetallic stock and various special forms thereof which will contract and expand; made up of alternate layers of different metals; one metal being a continuous strip, the other being divided; alternate portions having high conductivity, remaining portions low conductivity. Also covers a process of making compound metallic inlaid structures. (Owner) Norman L. Derby, 59 Baldwin Ave., Point Lookout, N. Y. Groups 33—66—69; 35—84; 36—19.

Pat. 2,216,809. HEATER AND THERMO CONTROL THEREFOR. Patented Oct. 8, 1940. Using gas for fuel, heater equipped with thermo-responsive device for controlling delivery of fuel, includes a single valve under dual control of heat of water and heat of pilot flame; thermo-responsive means of great sensitivity and has wide range of movement so closure of gas valve can be effected on slight difference in temperature. (Owner) Norman L. Derby, 59 Baldwin Ave., Point Lookout, N. Y. Groups 35—84; 33—62—65—66—69; 36—19. Reg. No. 101.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JUNE, 1945

OXFORD PRODUCTS, INC., *v.* FOLEY AND COMPANY, Cancelation No. 4282.

In a decision rendered June 11, 1945 (166 Ms. Dec. 793, 65 USPQ 520), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of Oxford Products, Inc., of Cleveland, Ohio, to cancel trade-mark registration No. 355,905, comprising the word "Vitabuild" for vitamin compound of vitamins A, B, D and G for general chronic use, the registration having been issued April 5, 1938, under the provisions of the act of February 20, 1905, to Foley and Company, of Chicago, Ill. Petitioner relied upon its alleged prior use of the notation "Vita-Guild" as a trade-mark for similar merchandise. Foley's mark has been in use since October, 1937. The "Vita-Guild" mark was first used by Oxford in January, 1940, but Oxford claims to have established use through a predecessor in business, continuously since 1935.

After noting that no argument is made but that the goods of the parties possess the same descriptive properties, and that their trade-marks are confusingly similar, it was held that the controversy relates solely to the question of priority.

In response to Foley's argument to the effect that the assignment executed by Mr. Rose to Oxford was invalid, it was held that Foley's argument is untenable; and while it is true that no physical assets were transferred, apparently because there were none, unquestionably Oxford eventually succeeded Mr. Rose in business, and would have acquired title to his trade-mark even had there been no formal assignment.

In response to respondent's argument that the petition should be dismissed because it contains certain allegations of fact that are contradicted by Oxford's witnesses, it was held that such minor variances between pleading and proof have never been regarded as material, unless prejudicial to the adverse party in maintaining his action or defense on the merits; and here no prejudice is claimed.

VICK CHEMICAL COMPANY *v.* NUTREX CO., INC., Opposition No. 22,882.

In a decision rendered June 14, 1945 (166 Ms. Dec. 795, 65 USPQ 521), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Vick Chemical Company, of New York, N. Y., to the application of the Nutrex Co., Inc., also of New York, N. Y., for registration of the word "Nutrex," claimed to have been used since June 23, 1943, as a trade-mark for a preparation containing vitamin B complex as found concentrated in brewers' yeast extract. Opposer relied upon its ownership of the trade-mark "Neutrox," registered April 5, 1938, for dentifrice and mouth wash.

After noting that, obviously, the two marks are quite similar both in appearance and in sound, and that the Examiner of Interferences concluded that the goods of the parties possess the same descriptive properties, because both are pharmaceutical preparations, it was held that not all pharmaceuticals are necessarily merchandise of the same descriptive properties, and a vitamin preparation and a dentifrice are so radically different in all their essential characteristics, and are used for such widely unrelated purposes, that their concurrent sale under the marks here in question would not be reasonably likely to confuse the public or to deceive purchasers.

In response to opposer's argument that its product is medicinal in character, it was held that it has become such a common practice for manufacturers of like goods to advertise their alleged utility in the treatment of various disorders of the gums, that this particular attribute of opposer's dentifrice is unlikely to be regarded by the public as a distinguishing factor, since it is essentially a tooth powder, and is so advertised and sold.

It was held that the goods of the parties are of different descriptive properties, and the opposition was dismissed.

JOSE ARECHABALA, S. A. *v.* VICTOR M. RAMIREZ, Cancelation No. 4159.

In a decision rendered June 23, 1945 (166 Ms. 796, 66 USPQ 7), *Acting Commissioner Frazer* affrmed the decision of the Examiner of Interferences sustaining the petition of Jose Arechabala, S. A., of Cardenas, Cuba, to cancel trade-mark registration No. 388,156, issued June 10, 1941, under the provisions of the act of March 19, 1920, to Victor M. Ramirez, of New York, N. Y. The registered mark, which is applied to distilled alcoholic rum, is a composite one comprising the notation "Havana Gold" above the descriptive legend "Porto Rican Rum," displayed in association with a pictorial design.

After noting that the dominant feature of the registered mark unquestionably is the notation "Havana Gold" and that petitioner has established prior use of the trade-mark "Havana Club," likewise registered under the act of 1920 for ethyl alcohol, rum, brandy, cognac, and other potable distilled liquors, it was held that the sole issue to be determined is whether petitioner's mark and respondent's mark are confusingly similar.

In response to respondent's argument that the

only similarity between his mark and petitioner's resides in the word "Havana," and that this word is geographically descriptive, it was held that from the record presented it is convincing that purchasers would pay considerable attention to the word "Havana" as denoting origin of the rum in question, and that it therefore seems clear that concurrent use of petitioner's and respondent's marks on goods of this character would be reasonably likely to cause confusion.

EX PARTE THE JOURNEYMEN BARBERS' INTERNATIONAL UNION OF AMERICA, Serial No. 455,578.

In a decision rendered June 26, 1945 (166 Ms. Dec. 797, 66 USPQ 8), *Acting Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Journeymen Barbers' International Union of America, of Indianapolis, Ind., an alleged trade-mark, under the provisions of the act of March 19, 1920, as amended by the act of June 10, 1938, as a collective mark for union shop cards, issued at irregular intervals, on the ground that the mark is merely applicant's goods or a substantial part of the goods.

After noting that in a decision rendered February 28, 1938 (488 O. G. 888, 36 USPQ 559), the refusal of the Examiner to register this same mark for the same goods under the act of February 20, 1905, had been affirmed, the only difference being that a portion of the subject matter then sought to be registered has now been deleted, it was held that the basis of the Examiner's decision is thus the same as in the prior case, and that the views expressed in the prior decision are equally applicable here, since it is still true that everything appearing on the drawing is a functional part of a union card rather than a trade-mark for a union card; also, the mark is plainly devoid of any possible trade-mark significance in connection with applicant's alleged "goods."

TRADE-MARKS

OFFICIAL GAZETTE, JULY 31, 1945

[VOL. 576. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

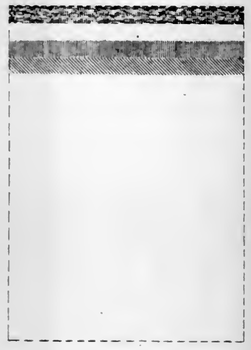
Ser. No. 480,482. UNIQUE FIBERS, INC., New York, N. Y. Filed Mar. 3, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Blendlok

FOR FUR FIBERS TREATED FOR SPINNING PURPOSES.

Claims use since Dec. 28, 1944.

Ser. No. 482,309. ASSOCIATED SEED GROWERS, INC., New Haven, Conn. Filed Apr. 19, 1945.



Applicant is the owner of trade-mark registrations No. 299,969, dated January 3, 1933, and No. 410,189, dated November 14, 1944. The trade-mark consists of a band comprising an upper stripe of yellow, a second stripe of red below the first, a third stripe of white below the second, and a fourth stripe of green below the third, said band running across the face of the seed packet adjacent the upper end of the packet and similarly located on the label or tag. The outline of the packet shown on the drawing is disclaimed.

FOR GARDEN AND FIELD SEEDS, BULBS, AND PLANTS.

Claims use since Mar. 1, 1945.

Ser. No. 482,661. THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed Apr. 26, 1945.

Crescendoe

FOR LEATHERS.

Claims use since Oct. 27, 1942.

Ser. No. 482,856. SYNVAR CORPORATION, Wilmington, Del. Filed May 1, 1945.

SYNVAREN

FOR LIQUID PHENOL-FORMALDEHYDE RESINS.

Claims use since October 1942.

Ser. No. 482,858. SYNVAR CORPORATION, Wilmington, Del. Filed May 1, 1945.

SYNVAROL

FOR LIQUID UREA-FORMALDEHYDE RESINS.

Claims use since October 1942.

CLASS 2

RECEPTACLES

Ser. No. 481,297. SONOCO PRODUCTS COMPANY, Hartsville, S. C. Filed Mar. 24, 1945.

SONOCONE

FOR PAPER CONES ADAPTED AND INTENDED TO RECEIVE AND CARRY ON THEIR OUTER SURFACE A BODY COMPOSED OF WINDINGS OF YARN OR OTHER MATERIAL.

Claims use since Dec. 11, 1944.

Ser. No. 483,019. THE GREIF BROS. COOPERAGE CORPORATION, Cleveland, Ohio. Filed May 5, 1945.

CHEDRUM

FOR WOODEN DRUMS FOR CONTAINING LOOSE, SEMI-SOLID AND SOLID MATERIALS.
Claims use since Apr. 13, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,924. THE POLY-CLENE COMPANY, Elizabeth, N. J. Filed Mar. 14, 1945.

Poly-clene

The term "Clene" is disclaimed apart from the mark.
FOR CLEANING AND POLISHING COMPOSITION FOR METALS, GLASS, TILE, LINOLEUM AND PAINTED SURFACES.
Claims use since Aug. 22, 1944.

Ser. No. 481,572. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill. Filed Mar. 31, 1945.

Cars-O-Lene

FOR WASHING AND CLEANING COMPOUND FOR FLOORS.
Claims use since June 1, 1940.

Ser. No. 481,777. CENTRAL STATES LABORATORIES, Columbus, Ohio. Filed Apr. 6, 1945.

DIPSY-DU

FOR WATER SOLUBLE POWDER FOR WASHING AND STERILIZING PURPOSES.
Claims use since Mar. 1, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,589. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Sept. 22, 1943.

PLASTOSYL

FOR AQUEOUS LIQUIDS CONTAINING GLYCERINE FOR USE AS A PLASTICIZER FOR HYDROPHILIC SHEET MATERIALS.
Claims use since Apr. 21, 1943.

Ser. No. 466,120. PENNEX PRODUCTS COMPANY, Pittsburgh, Pa. Filed Dec. 28, 1943.

MARILYN

FOR WAVE SET, BRILLIANTINE, ROSE HAIR OIL AND HAIR POMADE.
Claims use since Jan. 21, 1935.

Ser. No. 468,130. ERNEST C. WRAMPELMEIER, doing business as Vola-Vin Medicine Co., Cincinnati, Ohio, assignor to Batanilax Corporation, Knoxville, Tenn. Filed Mar. 9, 1944.

Vola-Vin

No claim is made to the word "Vin" apart from the mark.
FOR LAXATIVE MEDICINAL COMPOUND.
Claims use since Nov. 23, 1943.

Ser. No. 473,409. HATTIE CARNEGIE, INC., New York, N. Y. Filed Aug. 18, 1944.

STACCATO

FOR FACE POWDER.
Claims use since Jan. 1, 1943.

Ser. No. 475,999. BENJAMIN D. SMITH, doing business as Smith Manufacturing Company, Utica, N. Y. Filed Nov. 1, 1944.

RPN

FOR INSECTICIDES,
Claims use since Sept. 1, 1944.

Ser. No. 477,691. 42 PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif. Filed Dec. 18, 1944.

Sussex Doubler

The word "Sussex" is disclaimed except as shown.
FOR HAIR DRESSING PREPARATION AND AN AFTER SHAVE DRESSING PREPARATION.
Claims use since July 18, 1944.

Ser. No. 477,789. NARDAU, LTD., New York, N. Y. Filed Dec. 20, 1944.

Tête à Tête

FOR PERFUMES, SACHETS, TOILET WATER, LIPSTICKS, COLD CREAMS, AFTER SHAVE LOTIONS AND FACE LOTIONS, AFTER SHAVE CREAMS, HAIR LOTIONS FOR WAVING, HAIR TONICS, BATH SALTS, AND BATH OILS.
Claims use since Aug. 1, 1944.

Ser. No. 478,235. GEORGE JAY MILLER, doing business as Gilcrest Pharmacal Co., Toledo, Ohio. Filed Jan. 4, 1945.

ORTEX

FOR MOUTH WASH.
Claims use since Mar. 8, 1940.

Ser. No. 479,054. JAY W. STUART, doing business as De-Oxo-Lin Chemical Products, Los Angeles, Calif. Filed Jan. 26, 1945.

DE-OXO-LIN

FOR CHEMICAL PREPARATION HAVING FIREPROOFING AND FIRERETARDING PROPERTIES AND USED FOR COATING AND IMPREGNATING FABRICS, LUMBER AND OTHER INFLAMMABLE MATERIALS, AND FOR ADMIXTURE WITH LIQUID COATING COMPOSITIONS.
Claims use since Oct. 27, 1939.

Ser. No. 479,413. D. B. BELLI, INC., San Francisco, Calif. Filed Feb. 5, 1945.

DEPELLE

FOR PHARMACEUTICAL PREPARATIONS—NAMELY, OINTMENTS, TABLETS, CAPSULES USED IN THE TREATMENT OF SKIN DISEASES, I. E., IMPETIGO, SEBORRHOEA, RINGWORM, POISON OAK DERMITITIS, ETC.
Claims use since June 11, 1931.

Ser. No. 479,416. D. B. BELLI, INC., San Francisco, Calif. Filed Feb. 5, 1945.

SULFURICYL

FOR OINTMENT PREPARATION USED IN THE TREATMENT OF SEBORRHOEA.
Claims use since Aug. 13, 1939.

Ser. No. 479,417. D. B. BELLI, INC., San Francisco, Calif. Filed Feb. 5, 1945.

ZWEI-BENZ

The word "Benz" is disclaimed except as shown.
FOR OINTMENT PREPARATION USED IN THE TREATMENT OF SCABIES.
Claims use since Aug. 13, 1939.

Ser. No. 479,470. FAREL DESTIN, INC., New York, N. Y. Filed Feb. 6, 1945.

STRANGE MUSIC

FOR FACE POWDER, ROUGE, LIPSTICK, AND COLOGNE.
Claims use since Jan. 19, 1945.

Ser. No. 479,645. PURITAN COMPRESSED GAS CORPORATION, Kansas City, Mo. Filed Feb. 9, 1945.



The portrait is fanciful. No claim is made to the word "Brand".
FOR INDUSTRIAL GASES—NAMELY, OXYGEN, HYDROGEN, ACETYLENE, NITROGEN, HELIUM, AND CARBON DIOXIDE.
Claims use since Mar. 23, 1940.

Ser. No. 480,558. IRENE BLAKE COSMETICS, INC., doing business as Artfield Creations, New York, N. Y. Filed Mar. 7, 1945.

ARTFIELD CREATIONS

The word "Creations" is disclaimed apart from the mark.
FOR HAIR DRESSING, AFTER SHAVE LOTION AND AFTER SHAVE TALC.
Claims use since January 1940.

Ser. No. 481,776. CEDA DISTRIBUTING CO., New York, N. Y. Filed Apr. 6, 1945.

STRANGE MUSIC

FOR PERFUME AND COLOGNE.
Claims use since Dec. 30, 1944.

Ser. No. 481,922. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 9, 1945.

FIDY

FOR IRRADIATED DRY YEAST FOR USE AS A FOOD SUPPLEMENT FOR LIVESTOCK.
Claims use since Mar. 19, 1945.

Ser. No. 482,057. HY-JE-NO COMPANY, Charlotte, N. C. Filed Apr. 12, 1945.

MA-U-NO

The drawing is lined for red and yellow.
FOR MEDICINAL PREPARATION FOR THE RELIEF OF MALARIA.
Claims use since Mar. 22, 1945.

Ser. No. 482,213. NATIONAL AGROL COMPANY, Washington, D. C. Filed Apr. 16, 1945.

CHLOROPHYLLETS

FOR MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST.
Claims use since Apr. 4, 1945.

Ser. No. 482,218. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 16, 1945.

PLASTOTEST

FOR ADHESIVE SKIN TESTING MATERIAL CONTAINING AN ALLERGEN.
Claims use since Mar. 1, 1945.

Ser. No. 482,251. DOROTHY A. LONG, doing business as Dawnwood Farms, Amenia, N. Y. Filed Apr. 17, 1945.

DAWNWOOD FARM
F. NO. 3

The word "Farm" is disclaimed apart from the mark.
FOR VETERINARY PREPARATIONS—NAMELY, A PREPARATION FOR TREATMENT OF SKIN TROUBLES, ERUPTIONS, AND SORES ON COWS, DOGS, AND OTHER ANIMALS.
Claims use since Mar. 7, 1945.

Ser. No. 482,254. MIRA PRODUCTS, INC., New York, N. Y. Filed Apr. 17, 1945.

NUVO

FOR HAIR WAVING SOLUTIONS.
Claims use since Mar. 8, 1945.

Ser. No. 482,263. THE TAYTON COMPANY, Chicago, Ill. Filed Apr. 17, 1945.

SLICK CHICK

FOR LIPSTICKS.
Claims use since Dec. 15, 1944.

Ser. No. 482,335. ARNOLD MARTÉ, New York, N. Y. Filed Apr. 19, 1945.

dervish

FOR TOILET WATER AND PERFUME.
Claims use since 1936.

Ser. No. 482,365. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 20, 1945.

DEKTOL

FOR PHOTOGRAPHIC CHEMICALS.
Claims use since Nov. 28, 1944.

Ser. No. 482,405. WALLACE LABORATORIES, INC., New Brunswick, N. J. Filed Apr. 20, 1945.

BACTRATYCIN

FOR PHARMACEUTICAL OINTMENT FOR USE AS A BACTERICIDE AND GERMICIDE.
Claims use since Mar. 12, 1945.

Ser. No. 482,504. PETER L. PESCHEL, doing business as Peschel Laboratory Products, Chicago, Ill. Filed Apr. 23, 1945.

PESCHEL LABORATORY PRODUCTS emco

No claim is made to "Peschel" or "Laboratory Products" apart from the mark.
FOR LAXATIVE CONSISTING OF CASTOR OIL WITH MILK OF MAGNESIA.
Claims use since Aug. 24, 1942.

Ser. No. 482,506. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 23, 1945. Under 10-year proviso.

VELVET SKIN

FOR TOILET POWDER.
Claims use since 1894.

Ser. No. 482,679. C. E. HOFFMAN CO., Dallas, Tex. Filed Apr. 27, 1945.

QUOD ERO SPERO
Hedgeroe

FOR DRESSINGS AND LOTIONS FOR THE HAIR AND AFTER SHAVE LOTION.
Claims use since Feb. 15, 1945.

Ser. No. 482,684. GUSTAVE MAURER, New York, N. Y. Filed Apr. 27, 1945.

PLANTIGRADE

FOR PREPARATION FOR SLENDERIZATION TO BE USED EXTERNALLY.
Claims use since Aug. 4, 1941.

Ser. No. 482,723. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y. Filed Apr. 28, 1945.

BONASOL

FOR DEVELOPERS AND TEXTILE DYEING ASSISTANTS.
Claims use since Mar. 27, 1945.

Ser. No. 482,809. META CINE COMPANY, Chattanooga, Tenn. Filed Apr. 30, 1945.

META BEX

FOR VITAMIN-MINERAL-IRON COMPOUND.
Claims use since Feb. 27, 1945.

Ser. No. 482,885. MERCK & CO. INC., Rahway, N. J. Filed May 2, 1945.

CARCHOLIN

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS OF THE PERIPHERAL CIRCULATORY SYSTEM AND FOR STIMULATION OF THE PARA-SYMPATHETIC NERVOUS SYSTEM.
Claims use since Mar. 3, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 470,321. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky. Filed May 16, 1944. Under section 5b of the act of 1905 as amended in 1920.

WADSWORTH

Applicant is the owner of Reg. No. 122,933 (renewed).
FOR CIGARETTE CASES MADE OF A BASE METAL OR A COMPOSITION MATERIAL.
Claims use since May 5, 1944.

Ser. No. 478,401. MARXMAN PIPES, New York, N. Y. Filed Jan. 8, 1945.

»MARXMAN«

FOR SMOKERS' PIPES.
Claims use since January 1935.

Ser. No. 480,917. KIRSTEN PIPE COMPANY, Seattle, Wash. Filed Mar. 14, 1945.

"RADIATOR"

FOR SMOKING PIPES AND CIGARETTE HOLDERS.
Claims use since Jan. 1, 1940.

Ser. No. 482,871. DARLI INDUSTRIAL MANAGEMENT, INC., Stamford, Conn. Filed May 2, 1945.

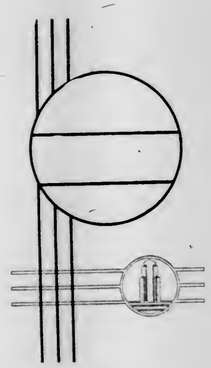
ZEPHYR

FOR SMOKING PIPES.
Claims use since Mar. 14, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 482,721. PERMANENTE CEMENT COMPANY, Oakland, Calif. Filed Apr. 28, 1945.



FOR BUILDING CEMENT.
Claims use since Apr. 12, 1945.

Ser. No. 483,754. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y. Filed May 25, 1945.

PARALATRUM

FOR WAX COMPOSITION FOR SEALING CRACKS IN CEMENT.
Claims use since May 10, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 476,439. LEGION UTENSILS CORPORATION, Long Island City, N. Y. Filed Nov. 14, 1944.



No claim is made to the word "Utensils".
FOR KITCHEN UTENSILS—NAMELY, STEAM KETTLES, PRESSURE CANNERS, PANS, COFFEE MAKING URNS, BOWLS, TRAYS, POTS, BRAZIERS, PITCHERS, PLATTERS, PAILS, PLATE COVERS, AND DISHES MADE OF METAL.
Claims use since Nov. 8, 1943.

Ser. No. 477,601. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio. Filed Dec. 15, 1944.

FEDCLAMP

FOR CLAMP-TYPE COUPLINGS FOR USE ON PIPES, CONDUITS AND THE LIKE.
Claims use since Dec. 1, 1944.

Ser. No. 480,927. REYNOLDS WIRE CO., Dixon, Ill. Filed Mar. 14, 1945.

RED EDGE

The drawing is lined for red.
FOR WIRE SCREEN-CLOTH.
Claims use since Oct. 6, 1914.

Ser. No. 480,928. REYNOLDS WIRE CO., Dixon, Ill. Filed Mar. 14, 1945.

GREEN EDGE

The drawing is lined for green.
FOR WIRE SCREEN CLOTH.
Claims use since Apr. 17, 1917.

Ser. No. 481,837. EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 7, 1945.

EATONSERTS

FOR THREAD INSERTS, NUTS, SCREWS, AND BOLTS.
Claims use since Mar. 20, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 481,573. THE CLEVELAND CO-OPERATIVE STOVE COMPANY, Cleveland, Ohio. Filed Mar. 31, 1945.

CLEFCO

FOR FERROUS METAL CASTINGS.
Claims use since Feb. 27, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 469,472. PEARCE L. MEADOWS, doing business as Elroy Naval Stores Co., Vidalia, Ga. Filed Apr. 19, 1944.



FOR PAINT THINNER.
Claims use since Jan. 1, 1940.

Ser. No. 480,934. TITANINE, INC., Union, N. J. Filed Mar. 14, 1945.

—TI-HOT—

The suffix "Hot" is disclaimed apart from the mark.
FOR SO-CALLED DOPE MATERIAL FOR HOT APPLICATION TO AIRCRAFT SURFACES AND OTHER SURFACES.
Claims use since Mar. 5, 1945.

Ser. No. 481,511. THE AMERICAN VARNISH COMPANY, Chicago, Ill. Filed March 30, 1945.

PLASTI-FLEX

FOR COLORLESS LINOLEUM FINISH AND PRESERVATIVE IN LIQUID FORM TO BE APPLIED WITH BRUSH OR SPRAY AFTER LINOLEUM IS IN PLACE.
Claims use since March 1944.

Ser. No. 481,592. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 31, 1945.

TREMNAMEL

FOR ENAMEL PAINT.
Claims use since Mar. 9, 1945.

Ser. No. 481,598. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Apr. 2, 1945.

Prismex

FOR ART PRODUCTS—NAMELY, WATER COLORS.
Claims use since Jan. 1, 1922.

Ser. No. 481,652. SEWALL PAINT & VARNISH COMPANY, Kansas City, Mo. Filed Apr. 2, 1945.

ReV

FOR PAINTS IN PASTE OR SEMI-PASTE FORM.
Claims use since October 1944.

Ser. No. 481,742. ALVIN KOEHLER, doing business as The Koehler Co., Chicago, Ill. Filed Apr. 5, 1945.

Treasure

FOR FURNITURE POLISH.
Claims use since Mar. 1, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 481,681. SUCESION DE JOSE L. PIEDRA, Habana, Cuba. Filed Apr. 3, 1945.



The word "Habana" is disclaimed.
FOR CIGARS.
Claims use since Feb. 15, 1935.

CLASS 19

VEHICLES

Ser. No. 472,301. RAMBUSCH DECORATING COMPANY, New York, N. Y. Filed July 15, 1944.



FOR LIGHT INTERCEPTING VENTILATORS FOR USE IN THE PORT HOLES OF SHIPS FOR PREVENTING LIGHT TRANSMISSION AND PERMITTING AIR FLOW.
Claims use since June 28, 1944.

Ser. No. 480,776. LINN MANUFACTURING CORPORATION, Morris, N. Y. Filed Mar. 10, 1945.

CATRUK

FOR MOTOR DRIVEN TRUCKS.
Claims use since Sept. 24, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 471,902. HYTRON CORPORATION, Salem, Mass. Filed July 3, 1944.

Poc-Kit

No claim is made to the word "Kit" apart from the mark.
FOR RADIO RECEIVERS, RADIO TUBES, RADIO AMPLIFIERS, RADIO TRANSMITTERS AND COMBINATION RADIO TRANSMITTERS AND RECEIVERS.
Claims use since May 5, 1944.

Ser. No. 474,614. MACKAY RADIO AND TELEGRAPH COMPANY INC., New York, N. Y. Filed Sept. 26, 1944.



FOR MOTOR-GENERATOR APPARATUS AND RADIO APPARATUS—NAMELY, TRANSMITTERS, RECEIVERS, AND POWER CONTROL SWITCHES.
Claims use since Aug. 1, 1939.

Ser. No. 480,529. SNI-DOR RADIOLECTRIC LIMITED, Montreal, Quebec, Canada. Filed Mar. 5, 1945.

Radiolink

FOR EXTENSION SPEAKERS, THE SPEAKERS BEING PERMANENT MAGNETIC SPEAKERS ENCLOSED IN COVERED WOODEN BOXES EQUIPPED WITH VOLUME CONTROL.
Claims use since July 1, 1943.

Ser. No. 480,562. REX COLE, INC., Long Island City, N. Y. Filed Mar. 7, 1945.



FOR ELECTRICAL AMPLIFIERS.
Claims use since Jan. 8, 1944.

Ser. No. 482,913. HAROLD W. ABSHIRE, St. Louis, Mo. Filed May 3, 1945.

Pasteuray

FOR ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS IN THE ZONE LETHAL TO FOOD DELETERIOUS BACTERIA, AND UNITARY COMBINATION STERILIZING AND ADVERTISING EQUIPMENT COMPRISING ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS IN THE ZONE LETHAL TO FOOD DELETERIOUS BACTERIA, AND ADVERTISING MEDIA IN THE NATURE OF FLUORESCENT SUBSTANCES ACTIVATED BY SUCH RAYS OF SUCH LAMPS.
Claims use since Feb. 22, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 473,190. HILDA M. MOORE, Asheville, N. C. Filed Aug. 11, 1944.

DOING
TOY

No claim is made to the word "Toy" apart from the mark.
FOR PUPPET DOLLS.
Claims use since May 1, 1943.

Ser. No. 476,230. TOYAD CORPORATION, Pittsburgh, Pa. Filed Nov. 7, 1944.

BOMB—SITE
DART GAME

The words "Dart Game" are disclaimed apart from the mark.
FOR DART GAME.
Claims use since Sept. 4, 1944.

Ser. No. 477,269. RALPH A. GRAHAM, doing business as Graham Manufacturing Company, Kansas City, Mo. Filed Dec. 6, 1944.

BIL-DUP

FOR TOY EDUCATIONAL CONSTRUCTION SETS.
Claims use since Oct. 11, 1944.

Ser. No. 480,132. STANLEY GALLONE, Leonia, N. J. Filed Feb. 23, 1945.

STA-GA-GA

FOR HORSE RACING GAME.
Claims use since Jan. 1, 1944.

Ser. No. 482,680. THE LEDERER INDUSTRIES, INC., New York, N. Y. Filed Apr. 27, 1945.

"MAGIC—RACE"

The word "Race" is disclaimed apart from the mark.
FOR GAME—NAMELY, SHEETS OF PAPER REPRESENTATIVE OF A HORSE RACE.
Claims use since February 1928.

Ser. No. 482,752. MARGARET M. LUDEMAN, Centerport, N. Y. Filed Apr. 28, 1945.

LUCKY HORSE-SHOE

FOR DOLLS.
Claims use since Feb. 20, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,178. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 5, 1944.

AMPCO

FOR WEAR RESISTANT AND CORROSION RESISTANT MACHINE PARTS OF COPPER BASE ALLOY AND GENERALLY MANUALLY OPERATED NON-SPARKING TOOLS OF COPPER BASE ALLOY—NAMELY, ADZES, AIR HAMMER BLANKS, AXES, BARS, BRUSHES, CASTER WHEELS, CAULKING TOOLS, CHAIN, CHISELS, DRIFT DRILLS, STAR DRILLS, DUST PANS, WEDGES, FORKS, HAMMERS, HATCHETS, HOES, ICE SHAVERS AND TONGS, KNIVES, NAIL PULLERS AND SETS, PACKING TOOLS, PESTLES, CHIPPERS, PICKS, PLIERS, PUNCHES, RAKES, RIVETS, METAL TOOL CASES, SAWS, SCRAPERS, SCREW DRIVERS, SHEARS, SHOVELS, SPATULAS, SPRAY BOOTH KITS, SPRINGS, SCOOPS, TROWELS, VISES, AND WRENCHES.
Claims use since July 1914 on said machine parts; and since November 1914 on said tools.

Ser. No. 474,078. HYSTER COMPANY, Portland, Oreg. Filed Sept. 11, 1944.

HYSTER
KARRY KRANE

"Karry Krane" is disclaimed apart from the mark.
FOR MOBILE CRANES.
Claims use since July 8, 1941.

Ser. No. 478,271. FELINS TYING MACHINE COMPANY, Milwaukee, Wis. Filed Jan. 5, 1945.

FELINS
PAK-TYER

The expression "Pak-Tyer" is disclaimed apart from the mark.
FOR VEGETABLE BUNCH AND PACKAGE TYING MACHINE.
Claims use since February 1934.

Ser. No. 479,235. HYDRAULIC ENGINEERING CO. INC., Holyoke, Mass. Filed Jan. 31, 1945.

HYDROMASTER

FOR FLUID PRESSURE CYLINDERS, HYDRAULIC OPERATIONAL CONTROL VALVES, FLUID PRESSURE RAMS AND FLUID PRESSURE ACCUMULATORS FOR HYDRAULIC OPERATIONAL USES.
Claims use since Aug. 1, 1941.

Ser. No. 479,442. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 5, 1945.

SITUFT

FOR ROTARY BRUSHES, END BRUSHES, AND TWISTED STEM BRUSHES USED AS MACHINE ACCESSORIES FOR POLISHING AND CLEANING.
Claims use since May 22, 1943.

Ser. No. 479,648. RENWAL MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 9, 1945.

RENWAL

FOR PLASTIC OR METAL CORN HOLDERS WHICH IS IN THE NATURE OF A FORK FOR USE IN HOLDING CORN-ON-THE-COB FOR EATING, KNIVES, GRAPEFRUIT CORERS, GRATERS, JUICE EXTRACTORS, PICKLE FORKS, BUTTER SPREADERS.
Claims use since 1939.

Ser. No. 480,291. IMPERIAL KNIFE COMPANY, INC., Providence, R. I. Filed Feb. 27, 1945.

ELECTRIC

FOR POCKET KNIVES.
Claims use since 1936.

Ser. No. 480,425. RICHMONT, INC., Los Angeles, Calif. Filed Mar. 2, 1945.

ROTO-TORQ

The term "Torq" is disclaimed apart from the mark.
FOR TORQUE WRENCHES.
Claims use since Dec. 6, 1944.

Ser. No. 481,087. STENOR INCORPORATED, Stamford, Conn. Filed Mar. 19, 1945.

VULMASTER

FOR VULCANIZING MACHINE USED IN VULCANIZING VEHICLE INNER TUBES AND CASINGS AND RUBBER AND RUBBER IMPREGNATED TEXTILE MATERIALS AND RUBBER HOSE PIPING.
Claims use since Oct. 10, 1944.

Ser. No. 481,662. CHAS. D. BRIDDELL, INC., Crisfield, Md. Filed Apr. 3, 1945.

BRIDDELL
CONDOR

No claim is made to "Briddell" apart from the mark.
FOR MACHETES.
Claims use since Mar. 16, 1945.

Ser. No. 482,734. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Apr. 28, 1945.

AURORA

FOR SHADE ROLLER PIN SETTERS AND SHADE CLOTH PIN PULLERS.
Claims use since May 16, 1911.

Ser. No. 483,110. HELLER BROTHERS COMPANY, Newark, N. J. Filed May 8, 1945.

BLACK & WHITE

FOR FILES AND RASPS.
Claims use since Mar. 14, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 477,295. FLUCKIGER & CIE, St. Imier, Canton of Berne, Switzerland. Filed Dec. 7, 1944.

Z. J.

FOR DIALS OF ENAMEL, METAL, AND SILVER FOR WATCHES AND STANDING PENDULUM CLOCKS.
Claims use since 1905.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 471,311. RICA E. KAPLAN, Chicago, Ill. Filed June 16, 1944.

IDENTOSET

FOR BRACELETS NOT INCLUDING WATCHES, PENDANTS AND BAR PINS.
Claims use since May 1944.

Ser. No. 472,698. HOME DECORATORS, INC., Newark, N. Y. Filed July 28, 1944.

PRESTIGE ★ ★ ★ ★ PLATE

The word "Plate" is disclaimed apart from the mark.
FOR SILVER PLATED FLATWARE.
Claims use since Feb. 4, 1944.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 466,607. COOKWARE ASSOCIATES, Bucyrus, Ohio. Filed Jan. 15, 1944.

OLD HICKORY

FOR CERAMIC COOKING WARE.
Claims use since July 1942.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 484,464. CARL SCHLEICHER & SCHUELL COMPANY, INC., New York, N. Y. Filed June 12, 1945.

597

FOR FILTER PAPER.
Claims use since 1874.

CLASS 37

PAPER AND STATIONERY

Ser. No. 466,591. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Jan. 14, 1944.

Shell-Flex

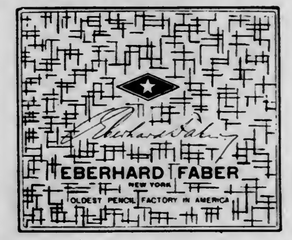
Applicant is the owner of Reg. Nos. 345,706; 365,550; and 393,535.
FOR LAMINATED WRAPPING MATERIAL.
Claims use since Sept. 30, 1942.

Ser. No. 466,593. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Jan. 14, 1944.

Cellucolor

FOR COLOR PRINTED TRANSPARENT CELLULOSE SHEETING AND WRAPPERS.
Claims use since May 1933.

Ser. No. 468,340. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Mar. 16, 1944. Under section 5b of the act of 1905 as amended in 1920.



Applicant is the owner of Regs. Nos. 68,993 and 353,132 effected under the 10-year proviso. Applicant is also the owner of Reg. No. 129,700. Applicant is the owner of Reg. No. 68,993 (renewed), and Reg. No. 353,132 for the mark "Eberhard Faber" effected on the ground of actual and exclusive use by the applicant or applicant's predecessor in business of the mark shown therein on the goods recited in said registrations as a trade-mark for ten years next preceding February 20, 1905, and the mark herein presented has been used by the applicant on the articles named in the present application in interstate commerce for at least one year. The panel is lined to indicate the color yellow, the name "Eberhard Faber" being a facsimile signature of a predecessor in business of the applicant, and the exclusive use of the words "New York" and "Oldest Pencil Factory in America" being disclaimed apart from the other features of the mark.

FOR LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, CRAYONS, MECHANICAL PENCILS, FOUNTAIN PENS, LUMBER CRAYONS, PENCIL LENGTHENERS, PENCIL POINT PROTECTORS, COMBINED PENCIL AND COMPASS, THIN LEADS, PENHOLDERS, RUBBER ERASERS, KNEADED RUBBER ERASERS, GUM ERASERS, RUBBER BANDS, AND STAMP PADS.
Claims use since 1909.

Ser. No. 469,314. STROMBECK PRESS INC., Moline, Ill. Filed Apr. 13, 1944.

Good Cheer

FOR WRITING PAPER AND ENVELOPES.
Claims use since Mar. 25, 1944.

Ser. No. 473,636. BRETHREN IN CHRIST PUBLICATION BOARD INC., doing business as The Christian Light Press, Elizabethtown, Pa. Filed Aug. 26, 1944.

GOOD CHEER
LINE

No claim is made to the word "Line" apart from the mark.
FOR BOOKMARKS, STATIONERY—NAMELY, WRITING PAPER, ENVELOPES AND TABLETS AND DESK CALENDARS.
Claims use since July 1, 1943.

Ser. No. 476,057. STANLEY R. HERSHMAN, doing business as Hollywood Bugle, Hollywood, Calif. Filed Nov. 3, 1944.

3 in 1

FOR RUBBER STAMPS AND HOLDERS AND PADS THEREFOR SOLD AS A UNIT.
Claims use since Sept. 5, 1944.

Ser. No. 479,230. HAAS BROTHERS, San Francisco, Calif. Filed Jan. 31, 1945.

SUN-MAID

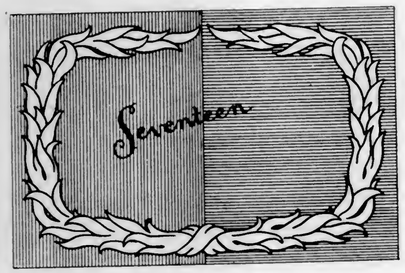
Applicant is the owner of Reg. No. 191,254.
FOR KRAFT TRAY PAPER.
Claims use since Oct. 1, 1944.

Ser. No. 482,427. JOSEPH M. KATZ, Pittsburgh, Pa. Filed Apr. 21, 1945.

Dawn Flight

FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.
Claims use since Mar. 1, 1945.

Ser. No. 482,428. JOSEPH M. KATZ, Pittsburgh, Pa. Filed Apr. 21, 1945.



The drawing is lined for pink and blue.
FOR STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES.
Claims use since Feb. 15, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 473,174. ANGLO-AMERICAN PUBLISHING COMPANY LIMITED, Toronto, Ontario, Canada. Filed Aug. 11, 1944.

DR. DESTINE

FOR COMIC STRIP.
Claims use since Apr. 15, 1944.

Ser. No. 481,664. KEN CROSSEN, doing business as Spark Publications, New York, N. Y. Filed Apr. 3, 1945.

GREEN LAMA

FOR PERIODICALS AND PERIODICAL MAGAZINES.
Claims use since November 1944.

Ser. No. 483,549. PAN AMERICAN AIRWAYS, INC., New York, N. Y. Filed May 18, 1945.



FOR MAGAZINES, HANDBOOKS, AND THE LIKE PUBLISHED AT PERIODIC INTERVALS.
Claims use since Oct. 24, 1944.

CLASS 39

CLOTHING

Ser. No. 469,912. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed May 3, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

World o' Youth

FOR BOYS', GIRLS', AND INFANTS' WEAR—NAMELY, DRESSES, COATS, SUITS, SWEATERS, SHIRTS, BLOUSES, UNDERWEAR, JACKETS, SNOW SUITS, COAT AND LEGGING SETS, LONG AND SHORT TROUSERS, NECKTIES, HATS, CAPS, RAINCOATS, STOCKINGS, SOCKS, BELTS FOR TROUSERS, SWIMMING SUITS, SWIMMING TRUNKS, LEATHER, RUBBER AND FABRIC SHOES, BOOTIES, OVERALLS, COVERALLS, ROMPERS, PAJAMAS, NIGHTGOWNS, SLEEPING GARMENTS, GLOVES, MITTENS, EAR MUFFS, CULOTTES, SLACKS, SLACK SUITS, JUMPERS, SKIRTS, BATH AND BEACH ROBES.
Claims use since Jan. 15, 1943.

Ser. No. 471,234. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed June 14, 1944. Under the act of February 20, 1905, as amended June 10, 1938.



The pictures are fanciful.
FOR BOYS', GIRLS', AND INFANTS' WEAR—NAMELY, DRESSES, COATS, SUITS, SWEATERS, SHIRTS, BLOUSES, UNDERWEAR, JACKETS, SNOW SUITS, COAT AND LEGGING SETS, LONG AND SHORT TROUSERS, NECKTIES, HATS, CAPS, RAINCOATS, STOCKINGS, SOCKS, BELTS FOR TROUSERS, SWIMMING SUITS, SWIMMING TRUNKS, LEATHER, RUBBER AND FABRIC SHOES, BOOTIES, OVERALLS, COVERALLS, ROMPERS, PAJAMAS, NIGHTGOWNS, SLEEPING GARMENTS, GLOVES, MITTENS, EAR MUFFS, CULOTTES, SLACKS, SLACK SUITS, JUMPERS, SKIRTS, BATH AND BEACH ROBES.
Claims use since Jan. 15, 1943.

Ser. No. 472,075. MICHAELS, STERN & COMPANY, INC., Rochester, N. Y. Filed July 10, 1944.

TRANSCONTINENTAL

FOR MEN'S SUITS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS.
Claims use since June 9, 1944.

Ser. No. 474,806. JOSEPH M. KLEIN, New York, N. Y. Filed Oct. 2, 1944.

MacLAURISH

FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since 1934.

Ser. No. 479,253. CHARLES PINDYCK, INC., New York, N. Y. Filed Jan. 31, 1945.

C P
MASTER CRAFTSMANSHIP
Carlyke

"Master Craftsmanship" is disclaimed apart from the mark.
FOR INFANTS' SWEATERS, SUNSUITS, TODDLER SUITS, BATH ROBES, PRAM ROBES IN THE NATURE OF GARMENTS, BUNTINGS, BLOUSES, DRESSES, CREEPERS, HATS.
Claims use since Dec. 10, 1943.

Ser. No. 480,023. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa. Filed Feb. 20, 1945.

Yankee Ramblers

FOR SHOES MADE OF LEATHER AND RUBBER.
Claims use since Feb. 1, 1945.

Ser. No. 480,025. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa. Filed Feb. 20, 1945.

Yankee Freedoms

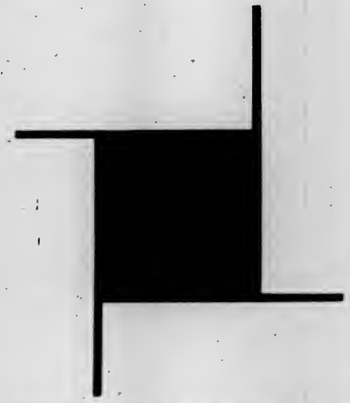
FOR SHOES MADE OF LEATHER AND RUBBER.
Claims use since Feb. 1, 1945.

Ser. No. 480,026. NATHAN A. LAVESON, doing business as United Shoe Company, Philadelphia, Pa. Filed Feb. 20, 1945.

Yankee Pal

FOR SHOES MADE OF LEATHER AND RUBBER.
Claims use since Feb. 1, 1945.

Ser. No. 480,646. BLUE BELL, INC., Greensboro, N. C. Filed Mar. 8, 1945.



FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS AND ONE-PIECE SUITS.
Claims use since Dec. 1, 1944.

Ser. No. 481,145. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Mar. 21, 1945.



No claim is made to the words "Betty Gay Soft'n Swanky" apart from the mark.
FOR BOOTS AND SHOES OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF.
Claims use since Mar. 2, 1945.

Ser. No. 481,477. INTERNATIONAL FOOTWEAR CO., INC., Brooklyn, N. Y. Filed Mar. 29, 1945.



The phrase "Famous for Smart Comfort" is disclaimed apart from the mark.
FOR FOOTWEAR—NAMELY, SHOES, AND SLIPPERS OF LEATHER AND FABRIC.
Claims use since Jan. 17, 1945.

Ser. No. 481,634. LIBERTY HOSIERY MILLS, Liberty, N. C. Filed Apr. 2, 1945.

Fairlane

FOR HOSIERY.
Claims use since Feb. 15, 1945.

Ser. No. 481,637. LIBERTY HOSIERY MILLS, Liberty, N. C. Filed Apr. 2, 1945.

Villane

FOR HOSIERY.
Claims use since Feb. 15, 1945.

Ser. No. 481,889. DONNKENNY SPORTSWEAR COMPANY, New York, N. Y. Filed Apr. 9, 1945.

DONNKENNY

FOR OUTER SPORT SHIRTS, SLACKS, AND WINDBREAKERS FOR MEN AND BOYS.
Claims use since Feb. 23, 1945.

Ser. No. 482,483. FASHION PARK, INC., Rochester, N. Y. Filed Apr. 23, 1945.

TG
TAILOR GUILD

Applicant is the owner of registration No. 263,314, dated Nov. 5, 1929. The words "Tailor Guild" are disclaimed apart from the mark.
FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since Apr. 26, 1929.

Ser. No. 482,632. C. D. KUGELMAN & CO., Philadelphia, Pa. Filed Apr. 26, 1945.

Claudia

FOR WOMEN'S HOSIERY.
Claims use since Apr. 2, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 471,490. ROYAL HAIR PIN CORPORATION, New York, N. Y. Filed June 21, 1944.

"Flex"

FOR BOB PINS.
Claims use since February 1944.

Ser. No. 478,688. ALBERT C. PATCH, Topeka, Kans. Filed Jan. 16, 1945.

PATCH

FOR ELASTIC COLLAR CLASPS OR HOLDERS.
Claims use since Sept. 1, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 453,253. SEAMAN PAPER COMPANY, Chicago, Ill. Filed May 25, 1942.

AEROLITE

FOR WOVEN COTTON FABRIC MATERIAL, HAVING A VINYL OR POLYVINYL COATING FOR USE AS LINING MATERIAL IN AIRPLANE OR AUTOMOBILE INTERIORS.
Claims use since Mar. 11, 1942.

Ser. No. 468,474. RAYLAINE WORSTEDS, INC., Manchester, N. H. Filed Mar. 20, 1944.

RAYLAINE
CHIFFON FLANNEL

No claim is made to the words "Chiffon Flannel" apart from the mark.
FOR PIECE GOODS FABRICS MADE OF RAYON OR WOOLEN FIBRES OR COMBINATIONS OF THE SAME.
Claims use since Jan. 27, 1944.

Ser. No. 468,475. RAYLAINE WORSTEDS, INC., Manchester, N. H. Filed Mar. 20, 1944.

RAYLAINE
TISSUE FLANNEL

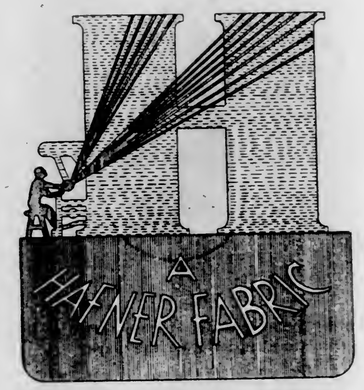
No claim is made to the words "Tissue Flannel" apart from the mark.
FOR PIECE GOODS FABRICS MADE OF RAYON OR WOOLEN FIBRES OR COMBINATIONS OF THE SAME.
Claims use since Jan. 27, 1944.

Ser. No. 477,529. J. RICHMAN & COMPANY, New York, N. Y. Filed Dec. 13, 1944.



Applicant disclaims the phrase "Export Co." except as shown.
FOR COTTON AND RAYON TEXTILE GOODS IN THE PIECE AND IN CUT LENGTHS.
Claims use since Apr. 1, 1944.

Ser. No. 480,573. HAFNER ASSOCIATES, INC., New York, N. Y. Filed Mar. 7, 1945.



The drawing is lined for red and gray. Applicant disclaims the phrase "A Hafner Fabric" apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, COTTON, WOOL, RAYON, NYLON, PROTEIN FIBRES, OR MIXTURES THEREOF.
Claims use since April 1944.

Ser. No. 481,964. TERHUNE, YEREANCE & WOLFF, INC., New York, N. Y. Filed Apr. 10, 1945.

CEREY'

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Mar. 19, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 481,576. R. S. FERGUSON, doing business as Liledoun Mills, Taylorsville, N. C. Filed Mar. 31, 1945.

LILEDOUN

FOR THREAD AND YARN.
Claims use since 1932.

Ser. No. 481,762. IDA CLAIRE SMITH, doing business as Gosling Yarn Co., New York, N. Y. Filed Apr. 5, 1945.



The word "Yarns" and the representation of the ball of yarn are disclaimed apart from the mark.
FOR YARNS.
Claims use since November 1937.

Ser. No. 482,077. SPINNERIN YARN CO., INC., New York, N. Y. Filed Apr. 12, 1945.

FIESTA

FOR YARN.
Claims use since Apr. 6, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 476,490. AKTIEBOLAGET DENTATUS, Stockholm, Sweden. Filed Nov. 16, 1944.

Dentatus

FOR DENTAL ARTICULATORS WITH AND WITHOUT FRAMES; DENTAL IMPRESSION PLATES, SHELLS AND BANDS; DENTAL HAND PIECES AND CONTRA ANGLE PIECES AND PARTS THEREOF; DENTAL ANCHORS, SCREW POSTS AND GROUND PINS FOR FILLINGS; DENTAL BORING TOOLS, DIAMOND TOOLS, MANDRELS, SEPARATING DISCS, SEPARATING STRIPS AND POLISHING DISCS; DENTAL STERILIZERS, PORCELAIN FURNACES, GRINDING AND DRILLING MOTORS; DIATHERMAL APPARATUS, GALVANOPLASTIC APPARATUS, VULCANIZING APPARATUS, AND PARTS THEREOF; DENTAL METAL CLAMPS, MATRIX BANDS AND MATRIX BAND RETAINERS, ORTHODONTIC APPLIANCES; STEEL WIRE AND BARS FOR DENTAL WORK; DENTAL CHAIRS; DENTAL INJECTION SYRINGES; DENTAL CLASP METALS AND GOLD CASTING ALLOYS.
Claims use since 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 468,482. VAL-LO-WILL FARMS, INC., Evanston, Ill. Filed Mar. 20, 1944.

Val-Lo-Will

FOR ALIVE AND DRESSED POULTRY AND EGGS.
Claims use since Jan. 1, 1938.

Ser. No. 471,484. P. R. MYERS & CO., New York, N. Y. Filed June 21, 1944.

THREE CAPTAINS

FOR COFFEE AND TEA.
Claims use since May 31, 1944.

Ser. No. 474,844. THE ALBANY FROSTED FOODS, INC., Albany, N. Y. Filed Oct. 3, 1944.

FRESH ZEST

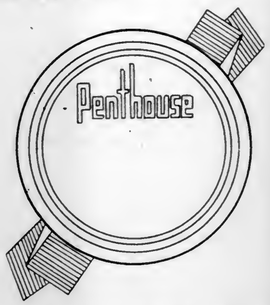
No claim is made to the word "Fresh" apart from the mark.
FOR FROZEN BLUEBERRIES.
Claims use since May 20, 1941.

Ser. No. 481,611. BURTON & DREYER, Waukegan, Ill. Filed Apr. 2, 1945.



The word "Candies" is disclaimed apart from the mark.
FOR GENERAL LINE OF CANDIES.
Claims use since Feb. 1, 1944.

Ser. No. 483,080. PENTHOUSE FOOD SALES CO., also trading under the name Penthouse Foods Co., San Francisco, Calif. Filed May 7, 1945.



The drawing is lined for shading. No claim is made to the representation of a label apart from the mark.
FOR FOOD PRODUCTS—NAMELY, RAVIOLI, SPAGHETTI, SLICED CHICKEN, CHICKEN SANDWICH SPREAD, ROAST CHICKEN AND BROTH, CHILI AND BEANS, CHICKEN BROTH WITH RICE, EGG NOODLES AND CHICKEN, EGG NOODLES AND CHICKEN GIBLETS, MUSHROOM SAUCE, TAMALES, SPAGHETTI WITH TOMATO SAUCE AND CHEESE, MINCED CHICKEN, CANNED VEGETABLES, BEANS WITH PORK, AND TURKEY AND EGG NOODLES, RAVIOLI WITH ITALIAN STYLE SAUCE, AND EGG NOODLES AND TURKEY GIBLETS.
Claims use since June 3, 1936.

Ser. No. 483,280. PORTER & WENTZ, INC., Brownsville, Tex. Filed May 12, 1945.



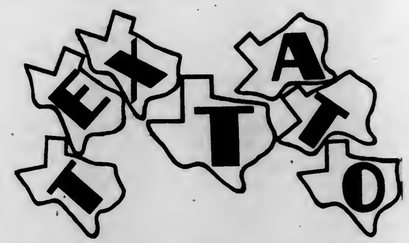
The map of Texas is disclaimed apart from the mark.
FOR POTATOES.
Claims use since Apr. 13, 1945.

Ser. No. 483,282. PORTER & WENTZ, INC., Brownsville, Tex. Filed May 12, 1945.



The map of Texas is disclaimed apart from the mark.
FOR FRESH TOMATOES.
Claims use since Apr. 25, 1945.

Ser. No. 483,283. PORTER & WENTZ, INC., Brownsville, Tex. Filed May 12, 1945.



The map of Texas is disclaimed apart from the mark.
FOR POTATOES.
Claims use since Mar. 31, 1945.

Ser. No. 483,880. M. A. VANDERWALL, doing business as Vanderwall Dried Foods Company, Firth, Idaho. Filed May 28, 1945.

IDAHO JOE'S

No claim is made to the name "Idaho" apart from the mark.
FOR POTATO PANCAKE MIX.
Claims use since May 9, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 481,436. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed Mar. 28, 1945.



FOR BEER.
Claims use since 1900.

Ser. No. 482,550. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed Apr. 24, 1945.



The word "Ale" is disclaimed apart from the mark. The lining is for shading.
FOR ALE.
Claims use since Dec. 30, 1901.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 31, 1945

415,170. WHOLE WHEAT FOOD PRODUCT IN THE FORM OF A CRACKER, WAFER OR BISCUIT. APERION PRODUCTS COMPANY, Boston, Mass.
Filed December 15, 1942. Serial No. 457,410. PUBLISHED MAY 8, 1945. Class 46.

415,171. ELECTRIC FUSES. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed November 15, 1943, Serial No. 464,990. PUBLISHED MAY 8, 1945. Class 21.

415,172. BREAD. THOMAS H. POPE, Greenville, S. C.
Filed November 22, 1943. Serial No. 465,210. PUBLISHED MAY 8, 1945. Class 46.

415,173. RADIO RECEIVERS, TRANSMITTERS, AMPLIFIERS AND PARTS OF EACH THEREOF. ELECTRONIC CORP. OF AMERICA, New York, N. Y.
Filed January 24, 1944. Serial No. 466,834. PUBLISHED JANUARY 9, 1945. Class 21.

415,174. TRACK LAYING TYPE AIRPLANE LANDING GEARS. THE FIRESTONE TIRE & RUBBER COMPANY, doing business under the name Firestone Aircraft Company, Akron, Ohio
Filed February 3, 1944. Serial No. 467,125. PUBLISHED MAY 8, 1945. Class 19.

415,175. CORNSTARCH OR CORN FLOUR. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed February 4, 1944, Serial No. 467,147. PUBLISHED MAY 8, 1945. Class 46.

415,176. ADHESIVE CEMENTS MADE FROM SYNTHETIC PLASTICS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed February 7, 1944. Serial No. 467,240. PUBLISHED MAY 8, 1945. Class 5.

415,177. PULVERIZING MACHINES FOR COAL, ROCK AND THE LIKE, AND FOR PULVERIZING UNITS FOR COAL, ROCK AND THE LIKE CONSISTING OF A RAW MATERIAL FEEDER, A PULVERIZER FOR SUCH MATERIAL, AND FITTINGS THEREFOR. THE BABCOCK & WILCOX COMPANY, New York, N. Y.
Filed May 12, 1944. Serial No. 470,169. PUBLISHED MAY 8, 1945. Class 23.

415,178. PRE-CUT AND FABRICATED PLYWOOD PANELS AND STRIPS FOR AIRPLANE MANUFACTURE. REYNOLD C. HOFFMAN, doing business as Aircraft Wood Parts Company, Minneapolis, Minn.
Filed May 22, 1944. Serial No. 470,497. PUBLISHED MAY 8, 1945. Class 12.

415,179. LATHES. MCILVANIE MACHINE WORKS, Yakima, Wash.
Filed June 2, 1944. Serial No. 470,858. PUBLISHED MAY 8, 1945. Class 23.

415,180. ELECTRONIC APPARATUS FOR PREVENTING PRECIPITATION OF MINERAL PARTICLES IN WATER BOILERS AND FOR DESCALING THE SAME. EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La.
Filed June 3, 1944. Serial No. 470,881. PUBLISHED MAY 8, 1945. Class 21.

415,181. NARROW ELASTIC FABRICS. UNITED ELASTIC CORPORATION, Easthampton, Mass.
Filed June 6, 1944. Serial No. 470,949. PUBLISHED MAY 1, 1945. Class 40.

415,182. CHINA TABLEWARE. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed June 24, 1944. Serial No. 471,620. PUBLISHED MAY 8, 1945. Class 30.

415,183. FROZEN, CANNED, SALTED, FRESH, PICKLED AND SMOKED SEAFOOD—NAMELY, FISH AND SHELLFISH. BOOTH FISHERIES CORPORATION, Chicago, Ill.
Filed June 26, 1944. Serial No. 471,655. PUBLISHED MAY 8, 1945. Class 46.

415,184. OPERA GLASSES, LORGNETTES, MAGNIFYING GLASSES, THERMOMETERS, READING GLASSES, GRADUATED RULERS, AND TAPE MEASURES. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,861. PUBLISHED MAY 8, 1945. Class 26.

415,185. TOOTHBRUSHES. ADOLPHE DRABKIN, doing business as Le Vant Brush Co., Los Angeles, Calif.
Filed July 5, 1944. Serial No. 471,926. PUBLISHED MAY 1, 1945. Class 29.

415,186. LAMINATED SAFETY GLASS SHEETS OR PLATES IN BOTH FLAT AND BENT FORM. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio.
Filed July 15, 1944. Serial No. 472,283. PUBLISHED MAY 1, 1945. Class 33.

415,187. ELECTRICAL INSULATING CYLINDERS AND ELECTRICAL INSULATING FLANGED COLLARS. ENGLISH ELECTRIC COMPANY OF CANADA LIMITED, Saint Catharines, Ontario, Canada.
Filed July 31, 1944. Serial No. 472,772. PUBLISHED MAY 8, 1945. Class 21.

415,188. CORRECTION FLUID, STENCILS AND DUPLICATING PAPER. REMINGTON RAND INC., Buffalo, N. Y.
Filed August 8, 1944. Serial No. 473,076. PUBLISHED MAY 8, 1945. Class 37.

415,189. RUBBER UNIT SUPPORTS, BEING SPECIAL RUBBER CUSHIONS INSTALLED IN RADIO SETS TO SUPPORT THE CHASSIS IN THE CABINET; PORTABLE RADIOS, AND COMBINATION PORTABLE RADIOS AND PHONOGRAPHS. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,116. PUBLISHED MAY 8, 1945. Class 21.

415,190. RUBBER WASHERS, RUBBER GASKETS, AND FIBRE WASHERS. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,122. PUBLISHED MAY 8, 1945. Class 35.

415,191. WRITING PAPER, LETTERHEADS, BILLHEADS, ENVELOPES, BUSINESS CARDS AND BUSINESS FORMS ASSEMBLED IN BOOKS AND COVERS FOR SAME. RUFUS SEAMAN TUFTS, Menlo Park, Calif.
Filed August 21, 1944. Serial No. 473,489. PUBLISHED MAY 8, 1945. Class 37.

415,192. CIGARS. COMPANIA TABACALERA MUNDIAL, S. A., Habana, Cuba.
Filed August 24, 1944. Serial No. 473,560. PUBLISHED MAY 8, 1945. Class 17.

415,193. PERMANENT ELECTRODES FOR USE IN CHEMICAL PROCESSES. CAMBRIDGE INSTRUMENT COMPANY LIMITED, London, England.
Filed August 28, 1944. Serial No. 473,657. PUBLISHED MAY 8, 1945. Class 21.

415,194. OPHTHALMIC MOUNTINGS AND PARTS THEREOF, OPHTHALMIC LENSES, ETC. SHURON OPTICAL COMPANY, INC., Geneva, N. Y.
Filed September 15, 1944. Serial No. 474,247. PUBLISHED MAY 8, 1945. Class 26.

415,195. DENTURE CUSHIONS. EZO PRODUCTS COMPANY, also doing busines as Ezo Products Co., Philadelphia, Pa.
Filed September 16, 1944. Serial No. 474,278. PUBLISHED MAY 8, 1945. Class 44.

415,196. EARTHWORM SPAWN MATERIAL KNOWN AS EARTHWORM SPAWN BRICKS AND EARTHWORM CULTURE, BREEDING EARTHWORMS, AND EARTHWORM EGG SACS OR COCOONS PRODUCED BY ADULT EARTHWORMS KNOWN AS EARTHWORM EGG CAPSULES. MARY B. LEASURE, doing business as California Earthworm Farms, Ontario, Calif.
Filed September 21, 1944. Serial No. 474,457. PUBLISHED MAY 8, 1945. Class 1.

415,197. CANDY. PAN-AMERICAN CANDY CO., Ashley, Ill.
Filed October 5, 1944. Serial No. 474,961. PUBLISHED MAY 8, 1945. Class 46.

415,198. TABLEWARE CLEANING AND SALVAGING MACHINES FOR USE IN CLEANING DISHES, KNIVES, FORKS, SPOONS, ETC., OF ADHERING AND/OR ACCOMPANYING GARBAGE MATTER, AND HAVING A RECEPTACLE FOR THE LATTER, ETC. THE SALVAJOR COMPANY, Kansas City, Mo.
Filed October 7, 1944. Serial No. 475,078. PUBLISHED MAY 8, 1945. Class 23.

415,199. HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, CLINICAL THERMOMETERS, AND ELASTIC BANDAGES. BECTON, DICKINSON & CO., Rutherford, N. J.
Filed October 31, 1944. Serial No. 475,888. PUBLISHED MAY 8, 1945. Class 44.

415,200. TRANSPARENT AND OPAQUE SHEETS IN THE FORM OF FREE FILMS OF VINYL RESIN AND ADAPTED FOR USE IN FABRICATION OF SHOWER CURTAINS, APRONS, GARMENT BAGS, REFRIGERATOR BAGS, SHOE BAGS, CARD TABLE COVERS AND OTHER ITEMS. RICHARDS, BOGGS & KING, INC., Chicago, Ill., assignor to The Goodyear Tire & Rubber Company, Inc., Akron, Ohio.
Filed November 2, 1944. Serial No. 476,033. PUBLISHED APRIL 24, 1945. Class 1.

415,201. FLUOROSCOPICALLY EQUIPPED VIEWER CABINETS AND ASSOCIATED INSPECTION STATION FOR USE IN INSPECTION OF PERSONNEL AT MANUFACTURING ORGANIZAZTIONS AND SIMILAR CONGREGATIONS FOR DETECTION OF ARTICLES SECRETED ON THE PERSON. HENRY SICULAR, doing business as The Sicular Company, San Francisco, Calif.
Filed Nonvember 13, 1944. Serial No. 476,406. PUBLISHED MAY 8, 1945. Class 26.

415,202. POWER PERCUSSION WELL-DRILLING MACHINES AND CABLE WELL-DRILLING MACHINES, SAND PUMPS, BAILERS, WRENCH BARS, FLOOR JACKS, WELL-DRIVING FISHING TOOLS, ETC. KEYSTONE DRILLER COMPANY, Beaver Falls, Pa.
Filed November 14, 1944. Serial No. 476,438. PUBLISHED MAY 8, 1945. Class 23.

415,203. ELECTRICAL INSULATING COMPOUND SOLID LIKE WAX AT ORDINARY TEMPERATURES AND LIQUID WHEN MOLTEN ON APPLICATION OF HEAT. ELECTRONIC COMPONENTS COMPANY, West Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,666. PUBLISHED MAY 8, 1945. Class 21.

415,204. LIQUID GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed November 20, 1944. Serial No. 476,704. PUBLISHED MAY 8, 1945. Class 5.

415,205. LIGHT SENSITIZED PHOTOGRAPHIC PAPER. ANKEN COMPANY, Newton, N. J.
Filed December 1, 1944. Serial No. 477,088. PUBLISHED MAY 8, 1945. Class 26.

415,206. LIGHT SENSITIZED PHOTOGRAPHIC PAPER. ANKEN COMPANY, Newton, N. J.
Filed December 1, 1944. Serial No. 477,089. PUBLISHED MAY 8, 1945. Class 26.

415,207. EYE GLASSES. WEISFIELD & GOLDBERG, INC., Seattle, Wash.
Filed December 1, 1944, Serial No. 477,133. PUBLISHED MAY 8, 1945. Class 26.

415,208. CANDY. HORATIO C. OLMSTEAD, doing business as Olmy's Kandy Kitchen, Washington, D. C.
Filed December 14, 1944. Serial No. 477,576. PUBLISHED MAY 8, 1945. Class 46.

415,209. SAFETY RAZORS AND RAZOR BLADES. THE PAK COMPANY, Cleveland, Ohio.
Filed December 26, 1944. Serial No. 477,948. PUBLISHED MAY 8, 1945. Class 23.

415,210. LETTER WRITING PAPER AND ENVELOPES. OSCAR SELTZER, Chicago, Ill.
Filed December 30, 1944. Serial No. 478,090. PUBLISHED MAY 8, 1945. Class 37.

415,211. WIPER BLADES OF THE SQUEEGEE TYPE FOR AUTOMATIC WINDSHIELD CLEANERS. HACKETT AUTOMOTIVE ACCESSORIES CORPORATION, Providence, R. I.
Filed January 1, 1945. Serial No. 478,122. PUBLISHED MAY 8, 1945. Class 19.

415,212. BAKERS' ELECTRIC REEL OVENS. HARPER OVEN & EQUIPMENT CO., Kansas City, Mo.
Filed January 6, 1945. Serial No. 478,322. PUBLISHED MAY 8, 1945. Class 21.

415,213. CHOCOLATES. GLADE CANDY CO. INC., Salt Lake City, Utah.
Filed January 8, 1945. Serial No. 478,380. PUBLISHED MAY 8, 1945. Class 46.

415,214. CONCENTRATED EMULSION OF CITRUS FLAVORS, SUCH AS LEMON, LIME, AND ORANGE, FOR FLAVORING BAKED GOODS, ICE CREAM AND FOOD SPECIALTIES. DELL PRODUCTS CORPORATION, Newark, N. J.
Filed January 11, 1945. Serial No. 478,502. PUBLISHED MAY 8, 1945. Class 46.

415,215. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed January 13, 1945. Serial No. 478,602. PUBLISHED MAY 8, 1945. Class 2.

415,216. MINIATURE TOY FURNITURE. MATTEL CREATIONS, Los Angeles, Calif.
Filed January 15, 1945. Serial No. 478,637. PUBLISHED MAY 8, 1945. Class 22.

415,217. MACHINELESS PERMANENT HAIR WAVING PADS. SAMUEL BONAT & BRO., New York, N. Y.
Filed January 20, 1945. Serial No. 478,801. PUBLISHED MAY 8, 1945. Class 44.

415,218. TOY JEEPS, TOY RATTLES, TOY TEA SETS, AND TOY DISHES. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed January 24, 1945. Serial No. 478,958. PUBLISHED MAY 8, 1945. Class 22.

415,219. WALLETS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y., assignor to Simon Edmund Knee, New York, N. Y.
Filed January 25, 1945. Serial No. 478,985. PUBLISHED MAY 8, 1945. Class 3.

415,220. FIBREBOARD DRUMS. THE CONTAINER COMPANY, Van Wert, Ohio.
Filed January 22, 1945. Serial No. 479,018. PUBLISHED MAY 8, 1945. Class 2.

415,221. TWINE. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 29, 1945. Serial No. 479,129. PUBLISHED MAY 8, 1945. Class 7.

415,222. COMBINATION SUMMER AND WINTER WINDOWS AND DOORS. STORM KING COMPANY, Akron, Ohio.
Filed January 29, 1945. Serial No. 479,154. PUBLISHED MAY 8, 1945. Class 12.

415,223. FOUNTAIN PENS AND MECHANICAL PENCILS. DAVID KAHN, INC., North Bergen, N. J.
Filed February 1, 1945. Serial No. 479,288. PUBLISHED MAY 8, 1945. Class 37.

415,224. FINGER RINGS. EDWIN SCHUSTER, New York, N. Y.
Filed February 1, 1945. Serial No. 479,310. PUBLISHED MAY 8, 1945. Class 28.

415,225. CIGARS. WAITT & BOND, INC., Newark, N. J.
Filed February 1, 1945. Serial No. 479,316. PUBLISHED MAY 8, 1945. Class 17.

415,226. MANIKINS. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed February 3, 1945. Serial No. 479,379. PUBLISHED MAY 8, 1945. Class 50.

415,227. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed February 3, 1945. Serial No. 479,395. PUBLISHED MAY 8, 1945. Class 27.

415,228. AIR-MAIL PAPER, AIR-MAIL ENVELOPES, PRINTING PAPER, MAILING ENVELOPES, AND WRITING PAPER. AGENCY PAPER COMPANY, New York, N. Y.
Filed February 6, 1945. Serial No. 479,454. PUBLISHED MAY 8, 1945. Class 37.

415,229. CHOCOLATE COVERED PEANUT BUTTER CRACKER SANDWICH. DERAN CONFECTIONERY CO. INC., East Cambridge, Mass.
Filed February 6, 1945. Serial No. 479,467. PUBLISHED MAY 8, 1945. Class 46.

415,230. DUPLICATING STENCILS, AND STENCIL SHEETS AND STENCIL PAPER ADAPTED FOR CONVERSION BY STENCILIZATION INTO STENCILS. A. B. DICK COMPANY, Chicago, Ill.
Filed February 7, 1945. Serial No. 479,507. PUBLISHED MAY 8, 1945. Class 37.

415,231. PAPER—NAMELY, PATTERN PAPER. THE MUTUAL PAPER CO. INC., New York, N. Y.
Filed February 8, 1945. Serial No. 479,593. PUBLISHED MAY 8, 1945. Class 37.

415,232. UNFITTED TRAVELING CASES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,635. PUBLISHED MAY 8, 1945. Class 3.

415,233. FITTED TRAVELING CASES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,638. PUBLISHED MAY 8, 1945. Class 3.

415,234. CIGARS. H. E. SHAW COMPANY, Worcester, Mass.
Filed February 10, 1945. Serial No. 479,699. PUBLISHED MAY 8, 1945. Class 17.

415,235. MUTES FOR STRINGED MUSICAL INSTRUMENTS. DOWNY PRODUCTS COMPANY, Orange, N. J.
Filed February 14, 1945. Serial No. 479,781. PUBLISHED MAY 8, 1945. Class 36.

415,236. SHEET METAL SHIPPING CONTAINERS—NAMELY, BARRELS, DRUMS, AND PAILS. VULCAN STAMPING AND MFG. CO., INC., Bellwood, Ill.
Filed February 21, 1945. Serial No. 480,094. PUBLISHED MAY 8, 1945. Class 2.

415,237. PRECISION OPTICAL GOODS COMPRISING PRISMS, OPTICAL FLATS, AND PLANE PARALLELS. OPTRON LABORATORY, Dayton, Ohio.
Filed February 23, 1945. Serial No. 480,143. PUBLISHED MAY 8, 1945. Class 26.

415,238. PEANUT BUTTER. CINDERELLA FOODS, Dawson, Ga.
Filed March 2, 1945. Serial No. 480,405. PUBLISHED MAY 8, 1945. Class 46.

415,239. CONTACT LENSES. UNIVERSAL CONTACT LENS CORP., New York, N. Y.
Filed March 6, 1945. Serial No. 480,555. PUBLISHED MAY 8, 1945. Class 26.

415,240. CROQUIGNOLE HEATERS, SPACERS, AND CURLERS USED IN PERMANENT WAVING OF THE HAIR. HARVEY COHEN, doing business as VeeCo Beauty Equipment Co., Chicago, Ill.
Filed March 10, 1945. Serial No. 480,740. PUBLISHED MAY 8, 1945. Class 44.

415,241. MEAT SAUCE. C. W. OSTROM, doing business as Ostrom Mushroom Co., Seattle, Wash.
Filed March 14, 1945. Serial No. 480,923. PUBLISHED MAY 8, 1945. Class 46.

415,242. GAME-BOARDS. LEE ORNSTEIN, doing business as Lee Industries, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,077. PUBLISHED MAY 8, 1945. Class 22.

415,243. PAPER BAGS. KEHR PAPER PRODUCTS COMPANY, Philadelphia, Pa.
Filed March 21, 1945. Serial No. 481,146. PUBLISHED MAY 8, 1945. Class 2.

415,244. BILLFOLDS AND WALLETS. SAMUEL PLOTZKY, New York, N. Y.
Filed March 21, 1945. Serial No. 481,159. PUBLISHED MAY 8, 1945. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,245. (CLASS 39. CLOTHING.) PHILIP SHLANSKY & BRO. INC., New York, N. Y. Filed Mar. 3, 1942. Serial No. 451,366.

TwirlTwist

FOR WOMEN'S MISSES' AND GIRLS' COATS.
Claims use since Dec. 20, 1941.

415,246. (CLASS 39. CLOTHING.) FOOT HEALTH SHOE INSTITUTE, INC., New York, N. Y. Filed May 5, 1943. Serial No. 460,423.

NATURAL-BODY-BALANCE by The Foot-Health Institute

FOR MEN'S AND WOMEN'S SHOES OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF THE SAME.
Claims use since June 5, 1941.

415,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE RIBBON FOODS, INC., Newark, N. J. Filed May 14, 1943. Serial No. 460,610.

SWEET RED KRAUT SOUR

FOR PICKLED RED CABBAGE.
Claims use since Apr. 26, 1943.

415,248. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) SI-EN-TIF-IK MOTOR PRODUCTS CO., Chicago, Ill. Filed Aug. 26, 1943. Serial No. 463,032.

SI-EN-TIF-IK



FOR CHEMICAL COMPOUNDS FOR DECARBONIZING INTERNAL COMBUSTION MOTORS.
Claims use since Aug. 1, 1943.

415,249. (CLASS 37. PAPER AND STATIONERY.) WHITEHALL, INCORPORATED, New Haven, Conn. Filed Nov. 19, 1943. Serial No. 465,169.

Minit-Yours

FOR WRITING PAPER AND ENVELOPES.
Claims use since Nov. 10, 1943.

415,250. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE S. CARRINGTON CO., Chicago, Ill. Filed Feb. 25, 1944. Serial No. 467,750.

The JEEP Board

FOR CERTAIN BOARD GAME PLAYED WITH PEGS.
Claims use since Apr. 1, 1943.

415,251. (CLASS 2. RECEPTACLES.) W. L. STENSGAARD AND ASSOCIATES, INC., Chicago, Ill. Filed Mar. 1, 1944. Serial No. 467,904.

U-PAX

FOR BOXES, CRATES, AND CASES FOR SHIPPING PURPOSES.
Claims use since Jan. 6. 1944.

415,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOYCE P. HYDE, doing business as Hyde Bird Feeder Co., Somerville, Mass. Filed Mar. 3, 1944. Serial No. 467,944.

CHICKADEE TIDBITS

FOR FOOD FOR WILD BIRDS PACKED IN CUPS AS REFILLS FOR BIRD FEEDERS.
Claims use since Dec. 3, 1939.

415,253. (CLASS 12. CONSTRUCTION MATERIALS.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 29, 1944. Serial No. 468,785.

STOP-SEEP

FOR MASONRY WATERPROOFING CEMENT.
Claims use since Feb. 4, 1944.

415,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed Apr. 17, 1944. Serial No. 469,380.

HI-SOY

FOR CONTROLLED BLEND OF DEFATTED SOY FLOUR AND SOY FAT EMPLOYED AS AN AGENT IN BAKING AND CONFECTIONERY MAKING TO IMPROVE THE COLOR AND KEEPING PROPERTIES OF BAKED GOODS AND CONFECTIONERIES.
Claims use since Mar. 1, 1944.

415,255. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed Apr. 17, 1944. Serial No. 469,382.

SOYWIP

FOR PURIFIED POWDERED SOY PREPARATION HAVING ALBUMENOUS WHIPPING CHARACTERISTICS AND KNOWN IN THE TRADE AS SOY ALBUMEN AND USED AS A WHIPPING AGENT FOR AERATING FOOD PRODUCTS.
Claims use since Mar. 20, 1944.

415,256. (CLASS 39. CLOTHING.) THE JOHN FOOTE SHOE COMPANY, Brockton, Mass. Filed May 3, 1944. Serial No. 469,896.

Foote-mates

FOR SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF.
Claims use since Apr. 13, 1944.

415,257. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) R. M. HOLLINGSHEAD CORPORATION, Camden, N. J. Filed May 5, 1944. Serial No. 469,956.

HI-SHINE

FOR WAX OR FLOOR POLISH.
Claims use since Apr. 4, 1944.

415,258. (CLASS 39. CLOTHING.) THE BARBIZON CORPORATION, New York, N. Y. Filed May 18, 1944. Serial No. 470,367.

AGELESS JUNIOR

FOR LADIES' WEARING APPAREL—NAMELY, SLIPS, PAJAMAS, LOUNGING ROBES, AND BED JACKETS.
Claims use since May 6, 1944.

415,259. (CLASS 39. CLOTHING.) EAGLE CLOTHES, New York, N. Y. Filed May 19, 1944. Serial No. 470,411.

ROGER BLAKE

FOR MEN'S CLOTHING—NAMELY, COATS, TOPCOATS AND SUITS.
Claims use since Apr. 26, 1944.

415,260. (CLASS 2. RECEPTACLES.) PAUL D. FRIDAY, doing business as Friday Pack Company, Portland, Oreg. Filed May 20, 1944. Serial No. 470,443.

FRIDAY PACK

FOR FIBERBOARD, PAPERBOARD, AND WOODEN PACKING CASES.
Claims use since May 11, 1942.

415,261. (CLASS 39. CLOTHING.) THE ELLIS COAT CO., INC., Manchester, Conn. Filed May 27, 1944. Serial No. 470,714.

A Chester-Hall

FOR WOMEN'S AND MISSES' COATS AND SUITS.
Claims use since Mar. 4, 1944.

415,262. (CLASS 39. CLOTHING. SAKS & COMPANY, New York, N. Y. Filed June 2, 1944. Serial No. 470,865.

Suzy Brook

FOR GIRLS' AND MISSES' DRESSES, COATS AND ACCESSORIES—NAMELY, SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, HATS, GLOVES MADE OF LEATHER AND FABRIC, COLLARS AND SCARVES.
Claims use since Apr. 17, 1944.

415,263. (CLASS 39. CLOTHING.) MITTELMAN, BERNSTEIN & CO., Wilmington, Del. Filed June 6, 1944. Serial No. 470,947.

SELFAJUST

FOR ADJUSTABLE WAISTBANDS.
Claims use since Apr. 6, 1944.

415,264. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) J. M. HUBER, INC., New York, N. Y. Filed June 8, 1944. Serial No. 471,034.

aerfloted

FOR CARBON BLACK AND CLAY FILLERS FOR USE IN INKS, PAINTS, RUBBER OR RUBBER-LIKE COMPOSITIONS AND OTHER PRODUCTS.
Claims use since Nov. 15, 1923.

415,265. (CLASS 39. CLOTHING.) MARIANNA GIRL COAT CO., New York, N. Y. Filed June 27, 1944. Serial No. 471,708.

Four-Fold

FOR INFANTS', CHILDREN'S, GIRLS' YOUTHS', AND JUNIOR MISSES' COATS, SUITS, LEGGING SETS, SKI PANTS AND CHILDREN'S HATS AND HOODS.
Claims use since May 17, 1944.

415,266. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BOYCE WIMBERLY, Yoakum, Tex. Filed July 3, 1944. Serial No. 471,918.

BOYCE

FOR DOLLS.
Claims use since Apr. 1, 1944.

415,267. (CLASS 39. CLOTHING.) THE C. D. OSBORN COMPANY, Chicago, Ill. Filed Aug. 4, 1944. Serial No. 472,964.

"SNUGLUVS"

FOR MEN'S AND WOMEN'S GLOVES MADE OF FABRIC, LEATHER, AND COMBINATIONS OF THE SAME.
Claims use since June 16, 1943.

415,268. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio. Filed Sept. 11, 1944. Serial No. 474,101.

Pak-a-Pak

Applicant is the owner of Reg. No. 395,226.
FOR CIGARETTE CASES.
Claims use since May 1941.

415,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY BALL CANDY KITCHEN, Birmingham, Ala. Filed Oct. 4, 1944. Serial No. 474,875.

Mary Ball Candy Kitchen

The representation of the woman is fanciful.
FOR CANDY.
Claims use since Sept. 1, 1941.

415,270. (CLASS 2. RECEPTACLES.) ROSETH CORPORATION, Brooklyn, N. Y. Filed Nov. 11, 1944. Serial No. 476,375.

LOW-BILT

FOR MOTHPROOF FIBREBOARD STORAGE BOXES.
Claims use since May 25, 1925.

415,271. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. T. MALONE, doing business as L. T. Malone Co., Phoenix, Ariz. Filed Nov. 28, 1944. Serial No. 476,975.

ARID-ZONE

FOR FRESH VEGETABLES.
Claims use since May 26, 1944.

415,272. (CLASS 39. CLOTHING.) WORMSER HAT STORES, INC., New York, N. Y. Filed Dec. 13, 1944. Serial No. 477,539.

Wormser

FOR IMPORTED WOVEN STRAW HAT BODIES READY FOR BLOCKING; HATS WHERE THE BRAID IS PREVIOUSLY WOVEN BEFORE BEING SEWED INTO HATS; PANAMA HATS, AND SPORT HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN; GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; AND MEN'S CRAVATS.
Claims use since Nov. 1, 1943.

415,273. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JO ANN DURAND, Denver, Colo. Filed Jan. 6, 1945. Serial No. 478,311.

SURE STRIKE

FOR FISH FLIES, FISH LURES AND FISH HOOKS.
Claims use since Sept. 1, 1940.

415,274. (CLASS 39. CLOTHING.) FROLIC DICKEY CO., New York, N. Y. Filed Jan. 11, 1945. Serial No. 478,505.

JUMPER SCARF

FOR LADIES' AND MISSES' VESTEE SCARFS.
Claims use since Oct. 27, 1942.

415,275. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ABNER E. THOMAS, doing business as Face-Lift Cosmetic Company, San Antonio, Tex. Filed Jan. 22, 1945. Serial No. 478,914.

FACE - LIFT



FOR FACE OIL USED AS AN AID IN CLEANSING AND BEAUTIFYING THE SKIN.
Claims use since Feb. 1, 1944.

415,276. (CLASS 2. RECEPTACLES.) OHIO VALLEY BAG AND BURLAP COMPANY, Louisville, Ky. Filed Feb. 12, 1945. Serial No. 479,718.



FOR COTTON AND BURLAP BAGS.
Claims use since 1938.

415,277. (CLASS 12. CONSTRUCTION MATERIALS.) L. SONNEBORN SONS, INC., New York, N. Y. Filed Feb. 24, 1945. Serial No. 480,202.

KAUKIT

FOR CAULKING COMPOUND FOR USE ON MASONRY AND OTHER PARTS OF BUILDINGS.
Claims use since 1920.

415,278. (CLASS 39. CLOTHING.) EVERFAST FABRICS, INC., New York, N. Y. Filed Mar. 2, 1945. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 480,410.

EVERFASHIONABLE

FOR LADIES', MISSES', GIRLS' AND CHILDREN'S DRESSES, BLOUSES, SKIRTS, PLAYSUITS, SLIPS, HOUSECOATS AND APRONS.
Claims use since June 2, 1936.

415,279. (CLASS 39. CLOTHING.) MILLER FABRICS CORPORATION, New York, N. Y. Filed Mar. 5, 1945. Serial No. 480,518.

CHENG TU

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, JACKETS AND SLIPS.
Claims use since Jan. 17, 1944.

415,280. (CLASS 39. CLOTHING.) M. & S. SOLOMON, New York, N. Y. Filed Mar. 5, 1945. Serial No. 480,530.

RAIN-REPEL

FOR LADIES' AND MISSES' COATS, RAINCOATS, SUITS, JACKETS, SKIRTS, WRAPS, AND DRESSES.
Claims use since Jan. 3, 1944.

415,281. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MCCORD CORPORATION, Detroit, Mich. Filed Mar. 7, 1945. Serial No. 480,604.

McCORD

FOR UNIT HEATERS COMPRISING A CASING PARTIALLY ENCLOSING AN ELECTRIC FAN AND AN ASSEMBLY OF TUBES OR COILS THROUGH WHICH HOT WATER OR STEAM IS CIRCULATED.
Claims use since Sept. 11, 1931.

415,282. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BEACON STEEL PRODUCTS CO., Westminster, Md. Filed Mar. 13, 1945. Serial No. 480,854.

Best of All

FOR METAL BROODERS, PORTABLE METAL CHICK FOUNTAINS, METAL POULTRY FEEDERS AND WATERERS, METAL GRIT BOXES, METAL NESTS AND METAL ADJUSTABLE ROOF SADDLES.
Claims use since Jan. 1, 1943.

415,283. (CLASS 37. PAPER AND STATIONERY.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 19, 1945. Serial No. 481,061.

Redi-Trim

Applicant is the owner of Reg. No. 408,439.
FOR WALLPAPER.
Claims use since Apr. 20, 1943.

415,284. (CLASS 37. PAPER AND STATIONERY.) WINTHROP-ATKINS CO., INC., Middleboro, Mass. Filed Apr. 11, 1945. Serial No. 482,030.

EAS-L-MOUNT

FOR PICTURE MOUNTINGS MADE OF PAPER OR CARDBOARD.
Claims use since 1938.

415,285. (CLASS 37. PAPER AND STATIONERY.) WINTHROP-ATKINS CO., INC., Middleboro, Mass. Filed Apr. 11, 1945. Serial No. 482,032.

Lok-Easel

FOR PICTURE MOUNTINGS MADE OF PAPER OR CARDBOARD.
Claims use since 1937.

415,286. (CLASS 37. PAPER AND STATIONERY.) WINTHROP-ATKINS CO., INC., Middleboro, Mass. Filed Apr. 11, 1945. Serial No. 482,033.

NU-EASEL

FOR PICTURE MOUNTINGS MADE OF PAPER OR CARDBOARD.
Claims use since 1938.

TRADE-MARK REGISTRATIONS RENEWED

44,662. **COOK'S IMPERIAL.** CHAMPAGNE OR SPARKLING WINE. Registered July 18, 1905. AMERICAN WINE CO. Re-renewed July 18, 1945, to American Wine Company, St. Louis, Mo., a corporation of Missouri, assignee. Class 47.

44,715. **NADINE.** FACE-POWDER. Registered July 18, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Re-renewed July 18, 1945. Class 6.

44,716. **EGYPTIAN QUEEN.** COSMETIC CREAM. Registered July 18, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Re-renewed July 18, 1945. Class 6.

44,742. **"SUCRENE" AND DRAWING.** PREPARED FOOD FOR ANIMALS. Registered July 25, 1905. AMERICAN MILLING CO., Philadelphia, Pa. Re-renewed July 25, 1945, to Allied Mills, Inc., Chicago, Ill., a corporation of Indiana, successor. Class 46.

44,805. **SULTAN.** RUG-FASTENERS. Registered July 25, 1905. SAMUEL B. DONCHIAN. Re-renewed July 25, 1945, to The Samuel Donchian Rug Company, Hartford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 13.

45,030. **KNOCK-'EM-STIFF.** SOAP. Registered Aug. 1, 1905. LAWRENCE J. MALONEY, Boston, Mass. Re-renewed Aug. 1, 1945, to William F. Swan, Abington, Mass., assignee. Class 4.

45,429. **NADINE FLESH.** TOILET SOAP. Registered Aug. 15, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Re-renewed Aug. 15, 1945. Class 4.

45,483. **THE IDEAL LINE GUARANTEED.** BEDS. Registered Aug. 22, 1905. FOSTER BROS. MFG. CO., Utica, N. Y., a corporation of New York. Re-renewed Aug. 22, 1945. Class 32.

45,499. **SNOW BIRD.** WHEAT-FLOUR. Registered Aug. 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY. Re-renewed Aug. 22, 1945, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee. Class 46.

45,601. **SAXON RECORD.** BLANK BOOKS AND WRITING-PAPER. Registered Aug. 22, 1905. NATIONAL BLANK BOOK CO. Re-renewed Aug. 22, 1945, to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts, successor. Class 37.

45,602. **KENMOOR.** BLANK BOOKS AND WRITING-PAPER. Registered Aug. 22, 1905. NATIONAL BLANK BOOK CO. Re-renewed Aug. 22, 1945, to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts, successor. Class 37.

45,652. **IMPERIAL.** ARTIFICIAL OR MANUFACTURED FERTILIZERS. Registered Aug. 22, 1905. THE IMPERIAL COMPANY, Norfolk, Va. Re-renewed Aug. 22, 1945, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, successor. Class 10.

45,683. **REPRESENTATION OF A HERALDIC EAGLE, ETC.** BLANK BOOKS AND WRITING-PAPER. Registered Aug. 29, 1905. NATIONAL BLANK BOOK CO. Re-renewed Aug. 29, 1945, to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts, successor. Class 37.

46,024. **THE IDEAL.** BEDS. Registered Sept. 5, 1905. FOSTER BROS. MFG. CO., Utica, N. Y., a corporation of New York. Re-renewed Sept. 5, 1945. Class 32.

46,171. **"W" AND REPRESENTATION OF AN ACORN.** LEDGER, BOND, LINEN, BRISTOL-BOARD, AND ALL KINDS OF WRITING-PAPER. Registered Sept. 5, 1905. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Sept. 5, 1945. Class 37.

46,440. **WHITING.** LEDGER, BOND, LINEN, BRISTOL-BOARD, AND ALL KINDS OF WRITING-PAPER. Registered Sept. 19, 1905. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Sept. 19, 1945. Class 37.

46,466. **NADINOLA.** CREAM OINTMENT FOR THE TREATMENT OF SKIN DISEASES. Registered Sept. 19, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Re-renewed Sept. 19, 1945. Class 6.

46,780. **MAGNET.** LUBRICATING OILS. Registered Oct. 10, 1905. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Re-renewed Oct. 10, 1945, to Valvoline Oil Company, Edgewater, N. J., a corporation of New Jersey. Class 15.

46,848. **MATCHLESS.** CANNED FRUITS AND VEGETABLES. Registered Oct. 10, 1905. CHARLES E. MOODY & CO. Re-renewed Oct. 10, 1945, to Webster Thomas Company, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

46,866. **CACTINA.** CARDIAC TONICS AND REMEDIES FOR HEART DISEASES. Registered Oct. 10, 1905. SULTAN DRUG CO. Re-renewed Oct. 10, 1945, to Od Peacock Sultan Company, St. Louis, Mo., a corporation of Missouri, assignee. Class 6.

47,189. **COCA-COLA.** TONIC BEVERAGES AND SYRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES. Registered Oct. 31, 1905. THE COCA-COLA COMPANY, Atlanta, Ga. Re-renewed Oct. 31, 1945, to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments. Class 45.

195,867. **AUTUMN BLEND.** PREPARED ROOFING. Registered Mar. 3, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed Mar. 3, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

196,904. **GOOD LUCK.** POTATOES IN THEIR NATURAL STATE. Registered Mar. 31, 1925. LEONARD, CROSSET & RILEY. Renewed Mar. 31, 1945, to Metzger's, Incorporated, Greenville, Mich., a corporation of Michigan, assignee by mesne assignments. Class 46.

196,986. **"ELECTROL" AND DESIGN.** DOMESTIC OIL BURNERS. Registered Apr. 7, 1925. STANDARD STEAM CORPORATION, St. Louis, Mo. Renewed Apr. 7, 1945, to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 34.

197,020. **BROOKMORE.** MEN'S AND BOYS' CLOTHING COMPRISING SUITS, TUXEDOS, FULL-DRESS SUITS, SPORT SUITS, OVERCOATS, NOVELTY SUITS, REEFERS, AND MACKINAWS. Registered Apr. 7, 1925. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed Apr. 7, 1945, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 39.

197,143. **TABKNOLL.** MEDICINAL TABLETS FOR RELIEF FROM NERVOUS HEADACHES, SEASICKNESS, NERVOUS DISORDERS, AND INDIRECT HYPNOTISM. Registered Apr. 14, 1925. H. G. KNOLL & CO., INC. Renewed Apr. 14, 1945, to H. G. Knoll & Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

197,165. **DELUXE.** BED SPRINGS. Registered Apr. 14, 1925. KINNEY-ROME CO. Renewed Apr. 14, 1945, to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware, successor. Class 32.

197,167. **PIONEER.** ELECTRIC RUNNING LIGHTS, ELECTRIC LANDING LIGHTS, ELECTRIC NAVIGATION LIGHTS, ELECTRIC SIGNAL LIGHTS, ELECTRIC SEARCHLIGHTS, ELECTRIC AIRCRAFT LIGHTING EQUIPMENT, IGNITION INTERRUPTERS, ELECTRICAL IGNITION SYSTEMS FOR ENGINES, ELECTRIC VACUUM AND PRESSURE PUMPS, ELECTRIC STABILIZERS, ELECTRIC GYROSCOPIC APPARATUS, ELECTRIC CONTROL SYSTEMS FOR INTERNAL-COMBUSTION-ENGINE SUPER-CHARGERS. Registered Apr. 14, 1925. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Renewed Apr. 14, 1945, to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware, assignee by mesne assignments. Class 21.

197,313. **PILLSBURY'S OVEN PRIDE.** FLOUR MADE FROM WHEAT. Registered Apr. 14, 1925. PILLSBURY FLOUR MILLS COMPANY. Renewed Apr. 14, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

197,493. **W-3.** PREPARATIONS OF AN OILY NATURE FOR TREATING TEXTILE FABRICS. Registered Apr. 21, 1925. E. F. HOUGHTON & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 21, 1945. Class 6.

197,564. **CELFECT.** LADIES' AND CHILDREN'S HOSE, HALF HOSE FOR MEN AND CHILDREN, LADIES' DRESSES; LADIES' UNDERWEAR OF KNITTED FABRIC—NAMELY, CAMISOLES, UNDERVESTS, KNICKERS, AND COMBINATIONS. Registered Apr. 21, 1925. BRITISH CELANESE LIMITED, London, England, a company incorporated in Great Britain. Renewed Apr. 21, 1945. Class 39.

197,634. **"YOUMA".** WHEAT FLOUR, BREAD, AND CAKES. Registered Apr. 21, 1925. YOUMA (ENGLAND) LTD., London, England. Renewed Apr. 21, 1945, to Youma Limited, Eastbridge, Kirkcaldy, Scotland, a limited liability company of Great Britain, assignee. Class 46.

197,698. **DURA-SHINE.** COMBINED DYE AND POLISH FOR LEATHER AND PARTICULARLY FOR SHOES COMPOSED OF LEATHER. Registered Apr. 21, 1925. SUNBEAM CHEMICAL COMPANY. Renewed Apr. 21, 1945, to Rit Products Corporation, Chicago, Ill., a corporation of Delaware, assignee. Class 4.

197,954. **FAIRY FELT.** FELTS. Registered Apr. 28, 1925. I. G. MANN COMPANY, INC., New York, N. Y. Renewed Apr. 28, 1945, to Leo Mann, Providence, R. I., assignee by mesne assignments. Class 50.

199,110. **"100 DIAMOND ACE" ETC. AND DESIGN.** BASEBALL BATS. Registered June 2, 1925. ZINN BECK BAT COMPANY. Renewed June 2, 1945, to Z. C. Grier, doing business as Grier Manufacturing Co., Greenville, S. C., successor. Class 22.

199,499. **AMAZON.** FLOUR MADE FROM WHEAT. Registered June 9, 1925. PILLSBURY FLOUR MILLS COMPANY. Renewed June 9, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

199,552. **"T & M" AND DRAWING.** ATHLETIC SHIRTS, JERSEYS, SWEATERS, STOCKINGS, AND HALF HOSE. Registered June 9, 1925. THE DRAPER MAYNARD COMPANY, Plymouth, N. H. Renewed June 9, 1945, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 39.

200,087. **"PI" AND DESIGN.** COMPASSES, BANKING INDICATORS, TURN INDICATORS, PITCHING INDICATORS, AIR-SPEED INDICATORS, AIR-DISTANCE RECORDERS, PITOT TUBES, VENTURI TUBES, ALTIMETERS, AERIAL CAMERAS, RATE-OF-CLIMB INDICATORS, VERTIMETERS, GASOLINE GAUGES, MANOMETERS (INDICATING AND RECORDING), DRIFT INDICATORS, TACHOMETERS, STATOSCOPES, INCLINOMETERS, DEPTH INDICATORS, SHIPS' LOGS, COURSE AND DISTANCE INDICATORS, AIRCRAFT SPEEDOMETERS, AND OTHER CERTAIN NAMED NAVIGATION INSTRUMENTS. Registered June 23, 1925. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Renewed June 23, 1945, to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware, assignee by mesne assignments. Class 26.

200,434. **W-3 THE WONDER OIL.** PREPARATIONS OF AN OILY NATURE FOR TREATING TEXTILE FABRICS. Registered June 30, 1925. E. F. HOUGHTON & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 30, 1945. Class 6.

200,534. **REPRESENTATION OF RED COLOR APPLIED AT THE TOP OF A GAS CONTAINER.** COMPRESSED GASES—NAMELY, BUTANE, ETHANE, METHANE, PROPANE, ETHYLENE, ETHYLENE OXID, AND PROPYLENE—IN PORTABLE CONTAINERS. Registered July 7, 1925. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 7, 1945. Class 6.

200,535. **REPRESENTATION OF A RED BAND AT THE TOP OF A GAS CONTAINER.** COMPRESSED GASES—NAMELY, BUTANE, ETHANE, METHANE, PROPANE, ETHYLENE, ETHYLENE-OXID, AND PROPYLENE—IN PORTABLE CONTAINERS. Registered July 7, 1925. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 7, 1945. Class 6.

200,587. **CELFECT.** THREADS AND YARNS COMPOSED PARTLY OF CELLULOSE ACETATE AND PARTLY OF COTTON. Registered July 7, 1925. BRITISH CELANESE LIMITED, London, England, a company incorporated in Great Britain. Renewed July 7, 1945. Class 43.

200,807. **MOCK'S CALCONA.** PREPARATION FOR THE TREATMENT AND RELIEF OF STOMACH TROUBLES. Registered July 14, 1925. JOSEPH BOYD MOCK, Long Beach, Calif. Renewed July 14, 1945, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, assignee. Class 6.

201,002. **REPRESENTATION OF BLUE COLOR APPLIED AT THE TOP OF A GAS CONTAINER.** COMPRESSED GASES—NAMELY, BUTANE, ETHANE, METHANE, PROPANE, ETHYLENE, ETHYLENE OXID, AND PROPYLENE—IN PORTABLE CONTAINERS. Registered July 14, 1925. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 14, 1945. Class 6.

201,212. **REPRESENTATION OF A SILHOUETTE.** FACE POWDER, TOOTH PASTE, AND FACE LOTION. Registered July 21, 1925. FLORIAN, INC., Des Moines, Iowa, a corporation of Iowa. Renewed July 21, 1945. Class 6.

201,254. **FLORIAN.** SHAVING SOAP. Registered July 21, 1925. FLORIAN, INC., Des Moines, Iowa, a corporation of Iowa. Renewed July 21, 1945. Class 4.

201,266. **FLORIAN.** TOOTH PASTE AND FACE LOTION. Registered July 21, 1925. FLORIAN, INC., Des Moines, Iowa, a corporation of Iowa. Renewed July 21, 1945. Class 6.

201,759. **"RHINOROP" AND DRAWING.** BUILDING PAPERS. Registered Aug. 4, 1925. THE JOHN LESLIE PAPER COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 4, 1945. Class 12.

201,769. **LOCO.** METAL NUTS. Registered Aug. 4, 1925. GRIP NUT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 4, 1945. Class 13.

201,985. **CHICAGO TRIBUNE PRESS SERVICE.** SPECIAL NEWSPAPER ARTICLES OF PARTICULAR LITERARY VALUE AND OF PUBLIC INTEREST. Registered Aug. 11, 1925. TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 11, 1945. Class 38.

201,994. **DIANA.** GOODS STAMPED FOR EMBROIDERY. Registered Aug. 11, 1925. C. R. MEISSNER CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 40.

202,308. **SANI-SHERM.** PAN-LINERS. Registered Aug. 18, 1925. GEORGE SHERMAN, doing business as Sherman Paper & Box Co., Boston, Mass. Renewed Aug. 18, 1945, to George Sherman, Newton, Mass. Class 37.

202,703. **"DARMA TEA" AND DRAWING.** TEA. Registered Sept. 1, 1925. CONSOLIDATED TEA COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1945. Class 46.

202,736. **TUFFOID.** BELTING, HOSE, ASBESTOS AND PACKINGS AND LACING. Registered Sept. 1, 1925. RUDOLPH ORLOB, doing business as Mountain States Rubber Company. Renewed Sept. 1, 1945, to Mountain States Rubber Company, Inc., Salt Lake City, Utah, a corporation of Utah, assignee. Class 35.

202,737. **"MOUTAIN STATES RUBBER M S R" ETC.** ASBESTOS AND RUBBER SHEET PACKING. Registered Sept. 1, 1925. RUDOLPH ORLOB, doing business as Mountain States Rubber Company. Renewed Sept. 1, 1945, to Mountain States Rubber Company, Inc., Salt Lake City, Utah, a corporation of Utah, assignee. Class 35.

202,739. **"RHINOROP" AND DRAWING.** WRAPPING PAPER. Registered Sept. 1, 1925. THE JOHN LESLIE PAPER COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed Sept. 1, 1945. Class 37.

202,751. **"FOR THE MAN WHO CARES" AND DRAWING.** SHOES MADE OF LEATHER. Registered Sept. 1, 1925. THE FLORSHEIM SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1945. Class 39.

202,936. **BELLEROSE.** WHEAT FLOUR. Registered Sept. 8, 1925. THE COLORADO MILLING & ELEVATOR COMPANY, Denver, Colo., a corporation of Colorado. Renewed Sept. 8, 1945. Class 46.

203,074. **OMODELO.** PLASTIC MODELING MATERIAL. Registered Sept. 8, 1925. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed Sept. 8, 1945. Class 1.

203,090. **"THE TRACKLESS TRAIN" AND DRAWING.** ELECTRICAL TRACTORS AND PARTS THEREOF. Registered Sept. 8, 1925. THE MERCURY MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1945. Class 21.

203,275. **IRRESISTIBLE.** FULL FASHIONED SILK HOSIERY. Registered Sept. 15, 1925. APEX HOSIERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1945. Class 39.

203,292. **"FLORSHEIM FEATURE ARCH" AND DRAWING.** MEN'S LEATHER SHOES. Registered Sept. 15, 1925. THE FLORSHEIM SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 15, 1945. Class 39.

203,317. **REPRESENTATION OF INDIAN, ETC.** PANELS AND WOOD VENEER. Registered Sept. 15, 1925. ALGOMA PANEL CO., Algoma, Wis. Renewed Sept. 15, 1945, to United States Plywood Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 12.

203,467. **THEOMINAL.** REMEDIES FOR CARDIAL AND VASCULAR DISTURBANCES OF SPASMODIC CHARACTER. Registered Sept. 22, 1925. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed Sept. 22, 1945, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 6.

203,568. **"U S G" AND DESIGN.** GRAPHITE PIPE JOINT COMPOUNDS. Registered Sept. 22, 1925. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Renewed Sept. 22, 1945. Class 12.

203,647. **MARVEL-EASE.** HAMMOCKS OF THE COUCH OR DIVAN TYPE. Registered Sept. 22, 1925. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 32.

203,653. **"ROYAL PALM" AND DRAWING.** WRITING PAPER, TABLETS, ENVELOPES, AND CARDS. Registered Sept. 22, 1925. THE GROOVER-STEWART DRUG COMPANY, Jacksonville, Fla. Renewed Sept. 22, 1945, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland, assignee. Class 37.

203,657. **HAMILTON.** WATCHES, WATCH MOVEMENTS, AND PARTS THEREOF. Registered Sept. 22, 1925. HAMILTON WATCH COMPANY, Lancaster, Pa., a corporation of Pennsylvania. Renewed Sept. 22, 1945. Class 27.

203,667. **CLAYTON.** COTTON PIECE GOODS. Registered Sept. 22, 1925. WHITNEY MFG. CO., Whitney, S. C. Renewed Sept. 22, 1945, to Deering, Milliken & Co. Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

203,670. **METROPOLITAN.** BUILDING AND PAVING BRICKS AND BLOCKS. Registered Sept. 22, 1925. THE METROPOLITAN PAVING BRICK COMPANY, Canton and Minerva, Ohio, and Bessemer, Pa. Renewed Sept. 22, 1945, to The Metropolitan Paving Brick Company, Canton, Minerva, and Cleveland, Ohio, and Bessemer, Pa., a corporation of Ohio. Class 12.

203,674. **ARKSAFE.** PAPER LININGS FOR BARRELS, BAGS, DRUMS, AND BOXES, AND FOR WRAPPING PAPER. Registered Sept. 22, 1925. ARKELL SAFETY BAG COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 37.

203,724. **BAB-O.** CLEANING COMPOUND FOR PORCELAIN AND ENAMEL. Registered Sept. 22, 1925. B. T. BABBITT, New York, N. Y. Renewed Sept. 22, 1945, to B. T. Babbitt, Inc., Albany and New York, N. Y., a corporation of New York, assignee. Class 4.

203,818. **"BONNIE" AND DRAWING.** ROLLED OATS. Registered Sept. 29, 1925. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed Sept. 29, 1945. Class 46.

203,931. **WELDWOOD.** PLYWOOD. Registered Sept. 29, 1925. UNITED STATES PLYWOOD CO. INC. Renewed Sept. 29, 1945, to United States Plywood Corporation, New York, N. Y., a corporation of New York, by consolidation. Class 12.

203,953. **FULLVALUE.** VINEGAR. Registered Sept. 29, 1925. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Renewed Sept. 29, 1945. Class 46.

203,960. **"DANIEL'S PRIDE" AND DRAWING.** RIPE AND GREEN OLIVES; SPICES—NAMELY, GINGER, ALLSPICE, BLACK PEPPER, CELERY SALT, CAPERS, CINNAMON, CURRY POWDER, CLOVES, MUSTARD, MACE, NUTMEG, WHITE PEPPER, PAPRIKA; COFFEE, TEA, CONDENSED MILK, SHREDDED COCONUT; FLOUR—NAMELY, WHEAT, BRAN, GRAHAM, AND BUCKWHEAT; PEANUT BUTTER, MAPLE SIRUP, SUGAR; FOOD-FLAVORING EXTRACTS—NAMELY, VANILLA, LEMON, AND ALMOND; ALIMENTARY PRODUCTS—NAMELY, MACARONI AND SPAGHETTI; MOLASSES, JELLY POWDER, ROLLED OATS, FARINA, TAPIOCA. Registered Sept. 29, 1925. DANIEL GROCERY COMPANY, Murphysboro and West Frankfort, Ill. Renewed Sept 29, 1945, to Daniel Grocer Company, Murphysboro, Ill., a corporation of Illinois, successor. Class 46.

203,972. **"PECO" AND DRAWING.** OLIVE OIL. Registered Sept. 29, 1925. PARODI, ERMINIO & CO. INC., San Francisco, Calif., a corporation of California. Renewed Sept. 29, 1945. Class 46.

204,000. **HOUSEHOLD.** VINEGAR. Registered Oct. 6, 1925. OLYMPIA CANNING COMPANY, Olympia, Wash., a corporation of Washington. Renewed Oct. 6, 1945. Class 46.

204,025. **"WHITE SEAL" AND DRAWING.** BACON, SAUSAGE, LARD, HAMS, SHOULDERS, SPARERIBS, CHINE, PORK CHOPS, SCRAPPLE, HOG'S HEAD CHEESE, PIGS' FEET, DERIVED FROM HOGS, AND DRIED BEEF, HAMS, AND THE SLICED DRIED BEEF, THE SAME BEING DRESSED AND PACKED EITHER IN A RAW OR CURED CONDITION. Registered Oct. 6, 1925. WHITE PACKING COMPANY, Salisbury, N. C., a corporation of North Carolina. Renewed Oct. 6, 1945. Class 46.

204,032. **FINKCO.** HAMS, BACON, LARD, SAUSAGE, COTTAGE HAM, AND PORK PRODUCTS. Registered Oct. 6, 1925. A. FINK & SONS, Newark, N. J., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 46.

204,035. **NO=WOK.** VARNISHES AND LACQUERS. Registered Oct. 6, 1925. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky., a corporation of Kentucky. Renewed Oct. 6, 1945. Class 16.

204,052. **"NO KIDDIN" ETC. AND DRAWING.** CANDY. Registered Oct. 6, 1925. DE WITT P. HENRY CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 6, 1945. Class 46.

204,064. **FREEDOM.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 6, 1925. ESCONDIDO FRUIT GROWERS ASSOCIATION. Renewed Oct. 6, 1945, to Escondido Orange Association, Escondido, Calif., a corporation of California, assignee. Class 46.

204,067. **"QUEEN ESTHER" AND DRAWING.** CANNED SALMON. Registered Oct. 6, 1925. IDEAL SMOKED FISH CORP. Renewed Oct. 6, 1945, to Abraham Katz, New York, N. Y., assignee. Class 46.

204,071. **REPRESENTATION OF A CIRCLE AND PANEL DESIGN.** RUBBER BELTING. Registered October 6, 1925. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Oct. 6, 1945. Class 35.

204,072. **MAXLIFE.** RUBBER BELTING. Registered Oct. 6, 1925. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Oct. 6, 1945. Class 35.

204,073. **"BULL DOG" AND DRAWING.** HORSESHOE CALKS. Registered Oct. 6, 1925. PHOENIX HORSE SHOE Co., Chicago, Ill., and New York, N. Y. Renewed Oct. 6, 1945, to Phoenix Manufacturing Company, Joliet, Ill., a corporation of Illinois, by change of name. Class 3.

204,074. **CON-CRE-CO.** READY-MIXED-PAINT CEMENT PRESERVATIVES. Registered Oct. 6, 1925. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 6, 1945. Class 16.

204,124. **KUR-NAMEL-ITE.** PREPARED LIQUID PAINT. Registered Oct. 6, 1925. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed Oct. 6, 1945. Class 16.

22,656

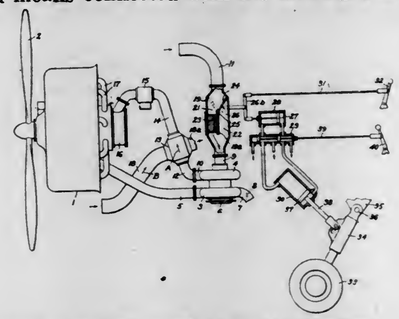
FILTER CONTROL FOR AIRCRAFT ENGINES AND SUPERCHARGERS

Edward S. Thompson, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Original No. 2,368,501, dated January 30, 1945, Serial No. 466,849, November 25, 1942. Application for reissue April 21, 1945, Serial No. 589,468

15 Claims. (Cl. 244—102)

1. The combination with an aircraft having a retractable landing gear, a supercharger for supplying supercharged air to the aircraft engine, and an intercooler for cooling the supercharged air, of an air filter for the supercharger, and means connected with the landing gear for



rendering said filter effective or ineffective.

PATENTS

GRANTED JULY 31, 1945

2,380,372
PORTABLE CONTAINER FOR COMPRESSED GASES
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Application September 28, 1942, Serial No. 460,032
2 Claims. (Cl. 244—148)



1. A parachute pack for use at high altitudes, said pack including a cushion portion and a parachute-container portion having a flat side secured to said cushion portion, said cushion portion comprising a mass of cushioning material of such size and shape as to be approximately coextensive with said side of said container, an oxygen storage means positioned within and surrounded by said cushioning material, said oxygen storage means comprising a length of flexible, non-expansible pipe of small diameter, said pipe being spirally coiled in a plane approximately parallel to the said side of said container, one end of said pipe being closed and the other end thereof connected to a valve fitting, said valve fitting extending to the outside of said cushion and adapted to be attached to a breather tube whereby a parachutist at high altitude may be supplied with oxygen.

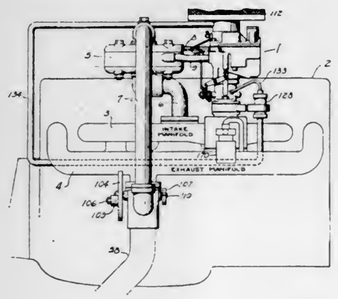
2,380,373
METHOD OF HANDLING ELASTIC THREAD AND PRODUCT THEREOF
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Application February 9, 1944, Serial No. 521,731
7 Claims. (Cl. 57—149)



1. A process for use in the manufacture of elastic fabrics, comprising arranging a plurality of elastic filaments in closely adjacent parallel relation, applying an adhesive to the filaments in sufficient quantity to hold the filaments together, partially drying the adhesive, and then separating the filaments while the interior of the adhesive is in tacky condition.

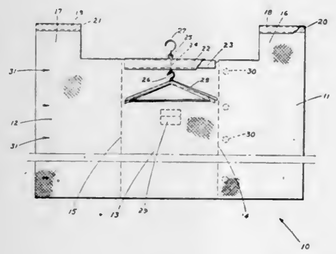
2,380,374
INTERNAL-COMBUSTION ENGINE CHARGE FORMING APPARATUS
Raymond M. Anderson, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application November 25, 1942, Serial No. 466,835
22 Claims. (Cl. 123—122)

1. A heat control for the manifolding system of internal combustion engines, including means to heat the air-fuel mixture and connections for supplying exhaust gases from the exhaust manifold to said heating means, comprising an unbalanced swingably pivoted diversion valve to divert the flow of exhaust gas through said heating means when closed and being arranged to be



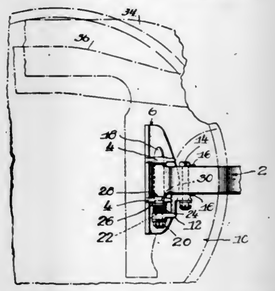
biased toward open position by the pressure of exhaust gases thereon, exhaust gas temperature responsive means biasing said valve toward open position, and an inertia weight carried by said valve to prevent fluttering by inertia damping and acting to bias said valve toward closed position.

2,380,375
GARMENT PROTECTING HANGER
Solomon Axelrod, Bronx, N. Y.
Application November 1, 1944, Serial No. 561,404
2 Claims. (Cl. 206—7)



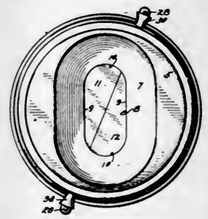
1. A garment bag of the character described, comprising a central portion and two opposed wing portions, said wing portions having extensions at their upper ends, the upper ends of said extensions having weights, the upper end of said central portion having a slat, a bent wire passing through said slat at the central portion thereof, said wire terminating in an upper eye and a lower eye, a hook for said upper eye, cooperating fastening means upon said wing portions whereby when said wing portions are folded over said central portion and fastened together, a complete garment cover results.

2,380,376
BRAKE HEAD BALANCING AND ATTACHING MEANS
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 25, 1942, Serial No. 459,660
17 Claims. (Cl. 188—212)



1. In a brake head balancing device, a lever member, a brake head member, top and bottom lugs on one of said members embracing a portion of the other member, a headless pin pivotally connecting said lugs and said portion, a bracket on the last-mentioned member underlying said bottom lug, and resilient means compressed between said bracket and said bottom lug, said pin being retained in assembled relationship by means of a shoulder thereon abutting said bracket.

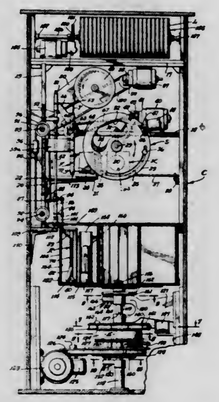
2,380,377
ASH RECEIVER
Robert N. Baylis, Caldwell, N. J., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application July 1, 1942, Serial No. 449,203
4 Claims. (Cl. 220—20.5)



1. In an ash receiver, an ash tray having an elongated bottom opening, a pair of shutters for cooperatively closing said opening when said shutters are in edge abutting relationship to each other, the abutting edges of said shutters when in closed position defining a line extending generally diagonally across said opening from one end of said elongated opening to the other end thereof, and means pivotally mounting said shutters for movement in a common plane, said pivotal mounting means being located at opposite ends of said opening in substantial alignment with the major axis of said opening.

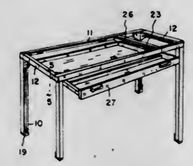
2,380,378
AUTOMATIC PHOTOGRAPHIC APPARATUS
Philip S. Allen, Long Beach, Calif.
Application October 22, 1941, Serial No. 415,990
12 Claims. (Cl. 95—14)

1. In an automatic photographic apparatus for taking a series of pictures in sequence on a flexible sensitized strip; a carrier for receiving said strip after exposure; means for retaining said strip against discharge therefrom; vessels and a delivery receptacle beneath said carier, said receptacle having an opening in its bottom; means for intermittently and successively moving said vessels and then said receptacle into vertical



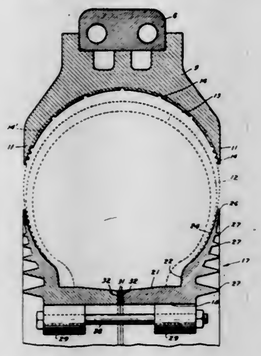
alinement with said carrier; mechanism for vertically and intermittently reciprocating said carrier so that said strip is lowered successively into said vessels and then into said receptacle; means in said receptacle for actuating said strip retaining means to release said strip; and means in said receptacle for ejecting said strip from said carrier through said opening following release of said strip.

2,380,379
TABLE
Charles W. Attwood, Wayne, Mich.
Application November 4, 1942, Serial No. 464,498
3 Claims. (Cl. 311—110)



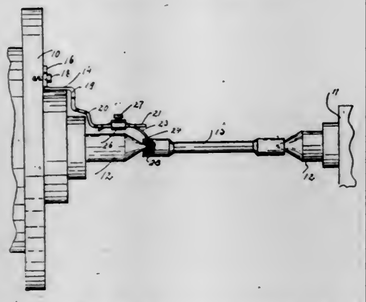
1. A table comprising leg and frame members of identical material, said material consisting of substantially square-formed channel members having slots in one face extending from end to end of the material, means for securing said leg and frame members to each other without deformation of either, comprising apertured brackets engaging the slotted faces of a plurality of said members, said brackets being arranged in pairs, the members of each pair having registering openings and one member of each pair having a right angle bend and having one of its angularly disposed portions arranged at right angles to the other bracket of said pair and apertured, bolts extending through said apertures and said slots, and nuts arranged within said channel members and threading with said bolts said pairs of brackets being located at the junction of a leg and said frame members and being fixed to and thereby fixing together the said leg and the frame members.

2,380,380
TIRE VULCANIZING APPARATUS
Thomas P. Bacon, Jr., Oakland, Calif.
Application December 7, 1942, Serial No. 468,319
2 Claims. (Cl. 18—18)



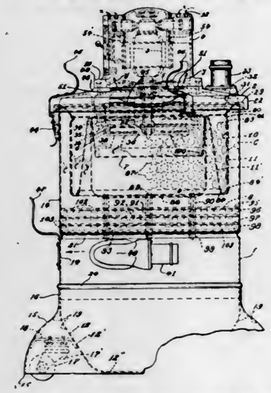
2. A tire mold forming an annular curing cavity and having a system of intercommunicating escape grooves in the walls of said curing cavity including circumferential grooves and transverse grooves, said transverse grooves intersecting said circumferential grooves and extending across said cavity to and through the inner peripheral edges of said curing cavity to conduct gaseous substances to the outside from between the walls of said curing cavity and the surface of the tire therein and to mold a traction design on said tire surface, a set of circumferential grooves being located at each inner peripheral edge of the curing cavity to form terminating ridges for the tread design, said sets of grooves being also intersected by said transverse grooves.

2,380,381
DRIVING DOG FOR GRINDERS AND THE LIKE
Calvin A. Baker, Detroit, Mich., assignor of one-half to Peter Lenik, Detroit, Mich.
Application June 9, 1944, Serial No. 539,562
2 Claims. (Cl. 82—40)



1. A driving dog for the grinders, of the kind described, comprising, an elongated strip of uniform width one end of which is attached to the face plate of the grinder, and having at the other end adjacent the axis of the face plate, two spaced, axially aligned apertures, a leaf spring anchored therein and provided with a point to engage a recess in an object operated upon in the grinder, and a removable band to hold the spring in place against slippage.

2,380,382
VACUUM CLEANER
James N. Baker, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application November 29, 1941, Serial No. 421,013
9 Claims. (Cl. 183—37)



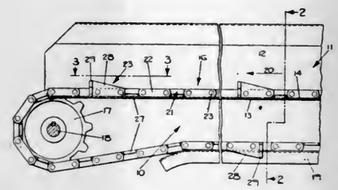
1. A vacuum cleaning apparatus comprising a tank and a cover therefor, a filtering bag extending into the tank, a plurality of bag stretchers of different diameters supporting said bag in approximately concentric convolutions in said tank, one of said stretchers being a separate removable frame extending within the inside of the bag and having an outer peripheral ring to be clamped between the tank and cover and having means for securing the bag mouth thereto, whereby the bag and frame closes the cross section of the tank adjacent the cover, an encased suction assembly extending partly within the tank and bag and being mounted on said cover, one of said stretchers projecting from the bottom of the encased suction assembly within the bag, and another stretcher projecting outwardly from the tank, whereby a spreading tendency is given the bag as the cover is closed, and means to admit air to the tank on the side of the bag opposed to the suction assembly.

2,380,383
BUCKLE
Mary Heloise Ballard, Chicago, Ill.
Application September 14, 1942, Serial No. 458,317
2 Claims. (Cl. 24—163)



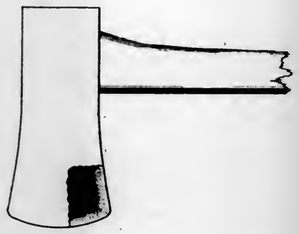
1. A buckle, comprising a frame having terminal portions and an intermediate portion of different lateral dimension tapering into the terminal portions, a fabric tube covering said frame and having helical warp and weft and having a maximum lateral dimension corresponding to the dimension of the wide portion of said frame; said tube having a longitudinally extending loose and stretchable seam, said tube being in taut relation on said frame with the ends secured at said terminal portions, said loose seam allowing said tube to contract when under tension for snugly and smoothly conforming to the restricted portions of said frame.

2,380,384
CONVEYER
Robert E. Briggs, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application November 18, 1944, Serial No. 564,055
2 Claims. (Cl. 198—171)



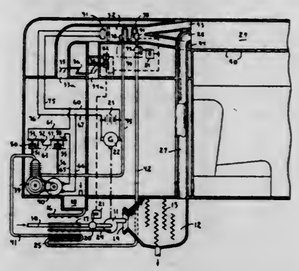
1. A conveyer chain for conveying logs and the like including interconnected block and connecting links forming an endless chain, certain of said block links having integral wings adapted to form bottom bearing surfaces for said links and certain of said connecting links including side bars, each side bar having spaced pin receiving openings therein, outwardly extending integral flights on some of said side bars, and pins pivotally connecting said side bars to said block links through said spaced openings, the top of each flight carrying side bar sloping upwardly and merging above the block links with the top of a flight, the top of a flight extending outwardly downwardly and the bottoms of said flights, side bars and block link wings lying in the same plane and forming bearing surfaces for the chain.

2,380,385
PROCESS OF PRODUCING FERROUS METAL ARTICLES
Frank G. Buffum, Chicago, Ill., assignor, by mesne assignments, to Bi-Metallic Products Corporation, Chicago, Ill., a corporation of Illinois
Application January 25, 1941, Serial No. 375,989
9 Claims. (Cl. 148—21.8)



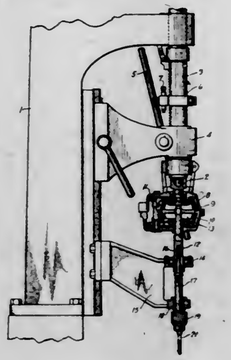
1. The process of making a malleable casting, the selected surface of which has the characteristics of high carbon steel, consisting in making the conventional white iron casting, annealing in a decarbonizing pack to produce a body part of conventional black heart iron, and a surface part wherein the free carbon is reduced to the amount desired as combined carbon in the selected part, reheating the selected part at least to the critical temperature, holding it at the selected temperature for a time adjusted to cause the recombination of such part of the free carbon as to give the desired carbon content, and quenching.

2,380,386
AIR CONDITIONING SYSTEM
Robert B. P. Crawford, Washington, D. C.
Original application March 13, 1939, Serial No. 261,487. Divided and this application May 9, 1942, Serial No. 442,320
11 Claims. (Cl. 62—136)



1. In an air conditioning system for a railway car, means utilizing compressed air from the train line for causing a flow of fresh air into the car, means for expanding the compressed air to remove latent heat therefrom, means for causing sensible cooling of the air in the car, said means including an evaporator of a mechanical refrigeration system over which the air is circulated, the condenser of the refrigeration system being provided with a plurality of closely spaced fins, means for supplying waste water from the railway car to said fins to increase the cooling capacity thereof, and means utilizing the same waste water for cooling the compressed air before it is delivered to the expanding means.

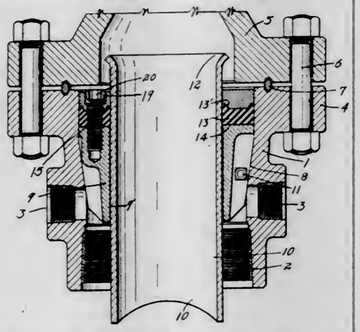
2,380,387
TAPPING MACHINE
Clarence M. Allen, Gates Mills, Ohio, assignor to Chas. G. Allen Company, Barre, Mass., a corporation of Massachusetts
Application April 3, 1943, Serial No. 481,689
9 Claims. (Cl. 10—136)



1. A tapping machine, including a reciprocatory unidirectional rotary drive shaft, a reversible rotary tapping tool, motion transmitting means for alternately actuating the tapping tool axially and rotatively in reverse directions by unidirectional rotation of the drive shaft, a stop limiting the reciprocatory motion of the drive shaft independently of the axial adjustment of the tapping tool, and a driving coupling connecting the rotary drive shaft and tapping tool automatically disengaged by axial movement of

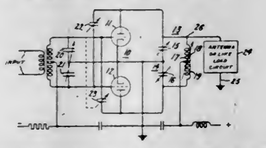
the tapping tool relative to the drive shaft incident to continued rotation thereof under influence of the drive shaft subsequent to arrest of the reciprocatory motion of the latter.

2,380,388
WELL HEAD AND CASING SUSPENSION STRUCTURE
Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex., a corporation of Texas
Application October 21, 1940, Serial No. 362,028
1 Claim. (Cl. 166—14)



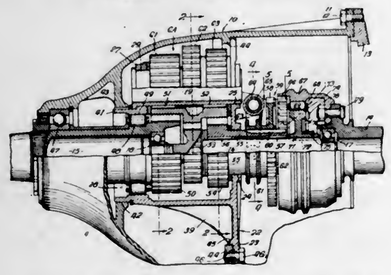
A structure of the character described, comprising a casing head having an opening therein, a casing extending through said opening, slips interposed between the casing and the opening for supporting the casing in said opening, a sealing ring surrounding said casing and positioned within said opening above said slips, an expanding ring mounted on said sealing ring, means carried by said slips and independent of said casing head for drawing said expanding ring toward said slips to compress the sealing ring axially of the casing and expand it laterally into sealing engagement with the exterior of said casing and the interior wall of said opening, said sealing ring having a groove of trapezoidal cross-section with flaring sides in the upper surface thereof, and an annular projection of trapezoidal wedge-shaped cross-section on the lower edge of the expanding ring nested in the groove of the sealing ring to facilitate expansion of said sealing ring.

2,380,389
BALANCING SYSTEM
Paul D. Andrews, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1942, Serial No. 442,046
3 Claims. (Cl. 178—44)



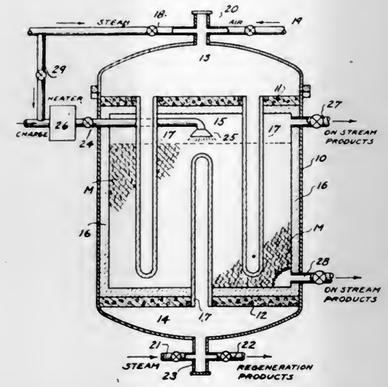
1. In combination, a push-pull device and a tuned coupling circuit for connecting said device to a single ended load circuit tending to cause unbalance of said device, said push-pull device comprising two electron discharge devices having cathodes connected together and anodes connected to opposite ends of said tuned circuit, said tuned circuit comprising two branches connected in parallel, one of said branches comprising two tunable reactance elements of one sign connected in series and having their center connection connected to said cathode and the other of said branches comprising a reactance element of the opposite sign whereby said circuit may be tuned to parallel resonance, said load circuit being connected between said center connection and one of said anodes whereby said push-pull device is unbalanced, and means for simultaneously varying oppositely the reactances, respectively, of said two elements while maintaining substantially constant the total reactance of said two elements in series whereby compensation for said unbalance of said device may be effected without disturbing the tuning of said tuned circuit.

2,380,390
CHANGE-SPEED GEARING FOR AIRCRAFT PROPELLERS
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application June 14, 1941, Serial No. 398,135
1 Claim. (Cl. 74—368)



In change-speed apparatus for drivingly connecting the engine of an engine-driven craft with a propeller for such craft, a casing, a propeller shaft, a drive shaft and an intermediate shaft all in coaxial relation, a plurality of countershafts spaced radially from and circumferentially about said coaxial shafts and fixed in said casing to prevent revolving movement of such counter shafts about the coaxial shafts, a free-wheeling gear train disposed between the engine and propeller shafts and of a speed reduction ratio adapting it for driving the propeller shaft under take-off conditions, said free-wheeling train comprising a gear fixed for rotation coaxially with the propeller shaft, a first set of countershaft gears respectively upon and rotatable with the countershafts and meshed with the propeller shaft gear, a gear fixed for rotation with the intermediate shaft, a second set of countershaft gears respectively upon and rotatable with the countershafts and meshed with the intermediate shaft gear and an overrunning clutch device drivingly connecting the drive and intermediate shafts, and a second gear train of less speed reduction than the free-wheeling train and suitable for driving the propeller shaft under cruising conditions, said second train including a gear encircling the intermediate shaft for rotation coaxially of the coaxial shafts and a third set of countershaft gears respectively fixed for rotation with the countershafts and meshed with the last named gear, and disengageable overrunning jaw clutch means engageable to connect said last named gear for rotation with the drive shaft, means actuatable to yieldably urge said clutch into engagement, and control means alternately operable at will to actuate said urging means and to disengage the clutch.

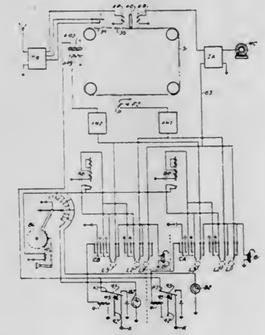
2,380,391
RESIDUAL HYDROCARBON TREATMENT
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application April 5, 1941, Serial No. 387,000
2 Claims. (Cl. 196—55)



1. In a cyclic process involving alternate endothermic and exothermic reaction periods for treating a liquid or liquefiable heavy hydrocarbon charge to remove tarry and coky material therefrom and produce a clean distillate stock, the steps of heating the charge to a temperature above 800° F. to provide a mixture of vaporized material and unvaporized liquid material and under conditions to prevent any substantial cracking of the mixture into lower boiling hydrocarbons of the gasoline type, feeding the heated mixture during the endothermic period to a refractory separating zone having substantial heat storage capacity after an exothermic reaction has been conducted in the refractory zone to remove therefrom coky deposit and wherein during the exothermic reaction the temperature of the zone has gone above 1100° F. and sufficient heat has been stored in the zone to maintain the zone above 900° F. during the endothermic period of operation in order to effect within the zone rapid decomposition of the liquid material into vaporized material boiling above the gasoline boiling range and coke, controlling the feeding of the charge to the separating zone to effect removal of the vaporized material from the zone in less than 15 seconds in order to prevent any substantial amount of cracking to gasoline while retaining the coke in the zone, then cutting off the supply of the heated mixture to the zone during a succeeding exothermic period and removing coke from the zone by burning.

2,380,392
MAGNETIC RECORDING AND REPRODUCING
Semi Joseph Begun, Cleveland Heights, Ohio, assignor to Magnetone Inc., Cleveland, Ohio, a corporation of Ohio
Application July 21, 1943, Serial No. 495,801
7 Claims. (Cl. 179—100.2)

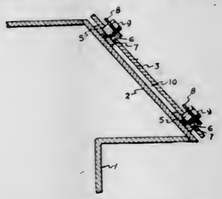
1. In a signal transmission system having signal input means for supplying signal sequences and signal output means for delivering the supplied signal sequences: a signal transmission channel interconnected between said signal input means and signal output means and including an endless magnetic signal carrier for magnetically recording thereon and reproducing therefrom signals while the elements of said carrier are impelled along a predetermined carrier path; signal transducing means including a set of transducing elements located along said path for recording or reproducing a signal sequence while said carrier moves past said transducing means; said set of transducing elements including at least one recording element located along one portion of said path for recording on the carrier signal sequences supplied by the input means and transmission means having a transmission pickup element located at another portion of said path for reproducing from said carrier signals recorded thereon by said recording element with a predetermined time delay, and means for transmitting the reproduced signals to said output means; supervising means including a supervising set-up for supervising the signal sequences of said source transmitted through said channel; said supervising set-up including at least one intermediate pickup element located along an intermediate portion of said path; translating means including selectively operative actuating means for selectively translating the signals reproduced by said intermediate pickup element into an observable signal; and canceling means for obliterating the signal recorded on said carrier before it is reproduced by said transmission pickup element; said canceling means including an obliterating element located along a portion of said path extending between said transmission pickup element and the preceeding pickup element, said canceling means including means for performing a timing action correlated to the time during which a carrier element moves from one of the pickup elements to the obliterating element and having a cancellation starting element actuable when the initial portion of a characteristic signal sequence is observed and a cancellation stopping element actuable when the end portion of a characteristic signal sequence is observed, for causing said canceling means to obliterate the signal sequence which has been recorded on said carrier during the interval between the actuation of said starting element and the actuation of said terminating element.



2,380,393
AUXILIARY ARMOR MOUNTING
Quentin Berg, Detroit, Mich.
Application May 17, 1943, Serial No. 487,291
4 Claims. (Cl. 109—49.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an armored surface, spacers supported thereon, auxiliary armor plate engaging said spacers, supporting members extending from said

surface through said plate, said plate having oversized holes receiving said supporting members, retaining members on said supporting



members and outward of said plate, said retaining members being larger than said holes and spaced from said plate when said plate engages said spacers.

2,380,394
TREATMENT OF DRYING OILS
Henry G. Berger, George S. Crandall, and John F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 5, 1942, Serial No. 445,970
8 Claims. (Cl. 106—222)

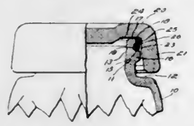
8. In a process of preparing a liquid coating composition, the steps which comprise polymerizing a drying oil containing a polymerization catalyst of the Friedel-Crafts type at a temperature not substantially above about 300° F. to a body not substantially lower than Z–6 (Gardner-Holdt scale), arresting polymerization of said oil before gelation thereof occurs by addition thereto of an inactivator for said catalyst selected from the group consisting of quinoline and isoquinoline and thereafter adding resin, thinner and dried to form the said composition.

2,380,395
SEALED PACKAGE
Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application May 21, 1943, Serial No. 487,892
4 Claims. (Cl. 215—40)



3. A sealed package comprising a glass container having an opening at the upper end thereof and provided with an external annular flange on its upper end portion and with an external annular side sealing surface thereon above said flange, a glass closure cap having a cover portion overlying the upper end of the container and a skirt portion extending downwardly over the upper end portion of the container in spaced concentric relation therewith to a level below that of the upper surface of the flange, said skirt having an internal annular side sealing surface located directly outward from said external side sealing surface on the container, said two side sealing surfaces being cooperatively configured to define between them an annular gasket-receiving space of decreasing width from the upper surface of said flange to a level near that of the upper end of the container, and an annular gasket of compressible, resilient material having its lower end seated on the said flange and extending upwardly in the space between said cooperatively configured side sealing surfaces to a level above that of the upper end of the container, said gasket, when uncompressed, being of rectangular shape in cross-section and having a thickness greater than the width of the narrower upper portion of the space between said side sealing surfaces and a length greater than that of said space so that, on application of said cap to said container, said gasket will be compressed radially between the upper portions of said cooperative side sealing surfaces and longitudinally between said flange and the cover portion of the cap, the upper end portion of the gasket thus being forced partially between the upper end of the container and the cover portion of the cap.

2,380,396
SEALED PACKAGE
Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application May 21, 1943, Serial No. 487,893
4 Claims. (Cl. 215—40)

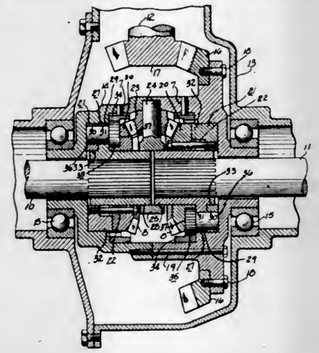


2. A sealed package comprising a glass container having an upper end portion formed with a vertical opening therein, said upper end portion having an external upwardly facing supporting surface formed thereon at a level adjacent to but spaced below that of the upper end of the container, a closure cap having a cover portion disposed in covering relation to the upper end of the container and having a skirt extending downwardly over the upper end portion of the container in spaced relation therewith, and a gasket of compressible, resilient material of substantially greater length than thickness seated at its upper end against the cover portion of the cap adjacent to the juncture of said cover portion and the skirt of the cap and seated at its lower end on said upwardly facing supporting surface on the container so as to be pressed by said cap, in response to a partial vacuum in the container, into hermetic sealing relation at each of its opposite ends with the surface in contact therewith and laterally at its upper end portion against the wall of the container adjacent to the upper end of the latter, the thickness of said gasket, when uncompressed, being substantially less than the width of the space between the upper end portion of the container and the surrounding skirt portion of the cap.

2,380,397
DIFFERENTIAL MECHANISM
Francis H. Boor, La Fayette, Ind., assignor to Fairfield Manufacturing Company
Application May 29, 1944, Serial No. 537,885
7 Claims. (Cl. 74—315)

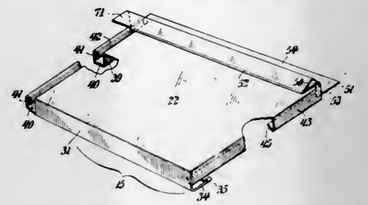
1. In a differential mechanism arranged to drive a pair of axles having splines at the end thereof, a power driven case, differential gearing means including a spider core ring, spider pinions carried thereby, and a pair of side compensating gears, the compensating gears each comprising a first body part, a flanged and splined part, and an end supporting part, all parts of the said compensating gear being nonrotatively

connected one with the other, the first body part of each compensating gear having teeth to intermesh with the said spider pinions and having bearing surfaces provided at intervals about the periphery thereof, the said end supporting part of each compensating gear being spaced respectively from the first body part of each compensating gear and having bearing surfaces, the said flanged and splined part being provided with bearing surfaces and being disposed between the first body part and the end supporting part and being nonrotatively connected thereto, said bearing surfaces of said parts being in substantial alignment, the splines of the flanged part of the compensating gear intermeshing with splines of an axle whereby the compensating gears are dis-



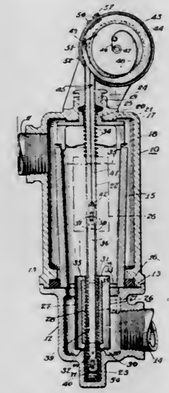
posed to differentially drive the axles, and one set of additional gear means disposed on each side of the spider pinion for respectively interconnecting the side compensating gears to the said case to oppose differential movement when the power transmitted to the differential gearing means tends to spin one of the axles relative to the other axle, each set of additional gear means including an internal gear secured to the case and intermeshing pinion gear means comprising a pinion gear with a stub shaft connected thereto, the teeth of the intermeshing pinion gear fitting into a bearing surface of one of the parts of the compensating gear and intermeshing with the internal gear, and the stub shaft of the intermeshing pinion gear passing therefrom and through the bearing surfaces of the other parts.

2,380,398
ROOFING SHINGLE OR TILE
George Bertram Booth, Beaumont, Tex.
Application June 2, 1944, Serial No. 538,419
8 Claims. (Cl. 108—17)



7. As a new article of manufacture a sheet-material inverted pan-like tile of rectangular contour, said tile embodying a channel-shaped lower part with the relatively lower flange having its longitudinal free edge inwardly retroverted to define an edge reinforce; a channel-section outset to the plane of the tile at one side, with the relatively outer flange of such channel-section outset inwardly angled to provide an inwardly and downwardly-directed locking lip; a rectangularly-related flange, at the opposite side of the tile, having its outer longitudinal edge portion similarly angled inward to define an upwardly-directed locking lip paralleling the first mentioned lip; and a downwardly-directed upper spacially related overhang parallel with the weather surface of the tile, said overhang including a rectangularly shaped extension defining a top wall for the tile with a forwardly directed attaching flange in the plane of the lower surface of said tile.

2,380,399
FLOWMETER
Harry J. Bowie, Willow Grove, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,234
7 Claims. (Cl. 73—209)



1. A flow-meter for remote indication of rate-of-flow of fluids comprising a vertical downwardly-tapered metering tube, a guide tube of non-magnetic material disposed along the axis of said tapered tube, a metering float slidably mounted outside said guide tube and adapted for free up-and-down movement within said tapered tube, responsive to the rate-of-flow of fluid upwardly therethrough, said float having a magnet disposed therewithin, a follower magnet movably mounted within said guide tube whereby said follower magnet is carried axially within said guide tube by the flow-responsive up-and-down movement of said float, means for counterweighting said follower magnet, and means associated with said follower magnet for translating and transmitting the flow-actuated movement of said follower magnet.

2,380,400
POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application September 22, 1941, Serial No. 411,848
10 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in the form of an

aqueous emulsion in the presence of a small amount of a compound containing the group

$$\left(-X-\overset{\overset{S}{\|}}{C}-S-\right)\equiv P=X$$

wherein X is a member of the group consisting of oxygen and sulfur.

2,380,401
POLYMERIZATION OF BUTADIENE HYDROCARBONS

George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application October 13, 1941, Serial No. 414,779
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in an aqueous emulsion in the presence of an alkoxythiono benzoyl monosulfide.

2,380,402
POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS

George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application October 22, 1941, Serial No. 416,083
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in the form of an aqueous emulsion in the presence of a small amount of a compound of the formula

$$R-X-\overset{\overset{S}{\|}}{C}-S-C\equiv N$$

wherein R is an organic radical derived by removing the hydroxyl group from a monohydric alcohol and X is a member of the group consisting of oxygen and sulfur.

2,380,403
POLYMERIZATION OF CONJUGATED DIENE HYDROCARBONS

George L. Browning, Jr., William D. Stewart, and Benjamin M. G. Zwicker, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application May 31, 1941, Serial No. 396,156
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a conjugated butadiene hydrocarbon in the form of an aqueous emulsion in the presence of a compound containing the 2-thiothiazyl group and a simple ionizable nickel salt.

2,380,404
POLYMERIZATION OF CONJUGATED DIENE HYDROCARBONS

George L. Browning, Jr., William D. Stewart, and Benjamin M. G. Zwicker, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application May 31, 1941, Serial No. 396,157
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a conjugated butadiene hydrocarbon in the form of an aqueous emulsion in the presence of a compound containing the 2-thiothiazyl group and a simple ionizable mercury salt.

2,380,405
POLYMERIZATION OF CONJUGATED DIENE HYDROCARBONS

George L. Browning, Jr., William D. Stewart, and Benjamin M. G. Zwicker, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application May 31, 1941, Serial No. 396,158
10 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a conjugated butadiene hydrocarbon in the form of an aqueous emulsion in the presence of a compound containing the 2-thiothiazyl group and a simple ionizable cobalt salt.

2,380,406
PRODUCTION OF LOW SULPHUR SPONGE IRON

Russell C. Buehl, Wilkinsburg, Pa., assignor to the Government of the United States, as represented by the Secretary of the Interior

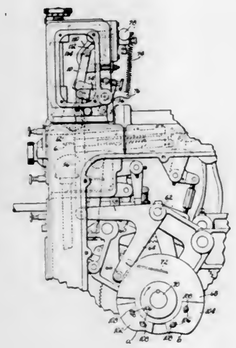
No Drawing. Application October 27, 1943, Serial No. 507,897
13 Claims. (Cl. 75—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A metallurgical composition for the production of a relatively sulphur-free metal which comprises an iron ore having incorporated therewith a calcined, intimate mixture of a coking coal with limestone.

2,380,407
LASTING MACHINE

Philip E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 6, 1944, Serial No. 543,691
25 Claims. (Cl. 12—14)



1. In a lasting machine, wipers movable to wipe the toe-end portion of an upper on a last heightwise of the last and then inwardly over an insole on the last, a retarder for clamping the upper on the wipers at the end and the sides of the toe, a support for said retarder on which it is mounted for tipping movements about an axis extending widthwise of the last, said support being movable heightwise of the last with the wipers, and mechanism connected to said retarder for tipping it about said axis into position to clamp the upper on the wipers first at the end of the toe, said mechanism comprising parts having a lost-motion connection between them arranged to permit the retarder to tip reversely about said axis independently of the movement of said support in response to pressure of the upper thereon in the wiping of the upper heightwise of the last and thus to permit it to adjust itself to the wipers into position to clamp the upper upon them also at the sides of the toe.

2,380,408
PROCESS FOR TREATING MARINE OILS

Loran O. Buxton, Belleville, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application February 20, 1942, Serial No. 431,697
2 Claims. (Cl. 260—420)

1. A process of refining a vitamin-containing oil and improving the taste and odor thereof, which comprises contacting a fat-soluble vitamin-containing marine oil with hydrogen in the presence of an active hydrogenation catalyst at a temperature between about 90° C. and 200° C. under a pressure of about 1 to 20 mm. for a period of time insufficient to affect the iodine value thereof.

2,380,409
PRODUCTION OF VITAMIN CONCENTRATES

Loran O. Buxton, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 13, 1942, Serial No. 450,760
9 Claims. (Cl. 167—81)

1. A process of producing vitamin concentrates, one rich in vitamin esters and one rich in vitamin alcohols, which comprises contacting a fat-soluble vitamin-containing marine oil with a liquid aliphatic organic solvent miscible with marine oils at temperatures above room temperature and partially immiscible therewith at temperatures substantially below room temperature, cooling the mass to a temperature within the range of 0° C. to —70° C., separating the solvent solution of a potent vitamin semi-concentrate and extracting the semi-concentrate with a highly polar selective solvent which is characterized by being miscible with fat-soluble vitamin alcohols but immiscible with fat-soluble vitamin esters to recover a concentrate rich in vitamin alcohols, the residue being rich in vitamin esters.

2,380,410
FAT-SOLUBLE VITAMIN ESTER CONCENTRATION PROCESS

Loran O. Buxton, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 13, 1942, Serial No. 450,761
9 Claims. (Cl. 167—81)

1. A process of producing a fat-soluble vitamin ester concentrate, which comprises saponifying 10% to 60% of the glycerides present in a fat-soluble vitamin-containing marine oil, separating the unsaponified fraction from the saponified matter, contacting the unsaponified fraction with an organic aliphatic polar solvent which is characterized by being miscible with the unsaponified fraction at temperatures above room temperature and partially immiscible therewith at temperatures below room temperature, cooling the mass to a temperature within the range of 0° C. to —70° C. to cause layer formations and separating the solvent layer containing the extracted vitamins from the solvent-insoluble portion of said fraction.

2,380,411
PROCESS OF REFINING MARINE OILS

Loran O. Buxton, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

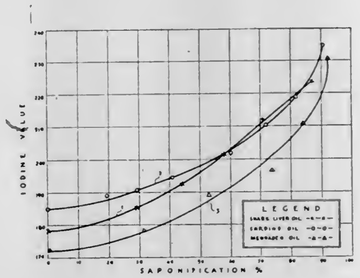
No Drawing. Application July 13, 1942, Serial No. 450,762
9 Claims. (Cl. 260—426)

1. A process of refining a fatty material comprising the steps of saponifying all of the free fatty acids and a minor portion of the glycerides present in a fat-soluble vitamin-containing marine oil, removing the unsaponified oil from the resulting soap and extracting the soap-free oil with an organic polar solvent immiscible with fatty materials to remove odor, taste and color bodies therefrom.

2,380,412
HIGH IODINE VALUE OILS

Loran Oid Buxton, East Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

Application July 29, 1942, Serial No. 452,775
12 Claims. (Cl. 260—426)



1. A process of producing high iodine value oils from fish oils which comprises selectively saponifying 30% to 90% of a fish oil by means of an alkali to split saturated glycerides and separating the unsaponified fraction from the resulting soap mass.

2,380,413
TREATMENT OF ANIMAL AND VEGETABLE OILS

Loran Oid Buxton, East Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

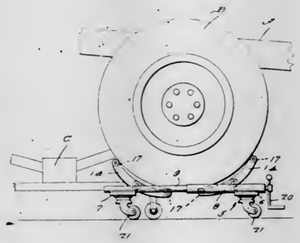
No Drawing. Application July 29, 1942, Serial No. 452,776
13 Claims. (Cl. 260—426)

1. A process of increasing the iodine value of animal and vegetable oils which comprises partially and selectively saponifying 25% to 95% of an oil selected from the group consisting of animal and vegetable oils by means of an alkali to split saturated glycerides and separating the unsaponified fraction from the resulting mass.

2,380,414
FAT-SOLUBLE VITAMIN CONCENTRATION
Loran Old Buxton, East Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application August 4, 1942, Serial No. 453,561
5 Claims. (Cl. 167—81)

1. A process of producing an improved fat-soluble vitamin concentrate, which comprises contacting a fat-soluble vitamin-containing marine oil with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, heating the mass to dissolve at least a major portion of the oil in the solvent, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent-insoluble fraction from the mass, saponifying said insoluble fraction and recovering the unsaponified matter therefrom.

2,380,415
DUAL WHEEL AND TIRE LIFT
Earl R. Carruthers, Hamilton, Mont.
Application November 10, 1943, Serial No. 509,802
1 Claim. (Cl. 214—65.4)

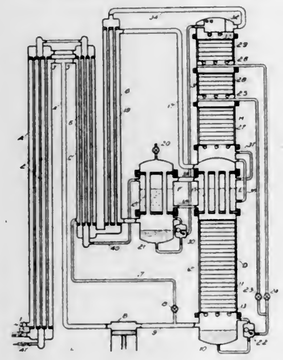


A tire truck comprising a pair of swingable cradle units, tubes projecting from the units, one telescoping the other, and feed means between the tubes, said feed means consisting of the provision of a nut attached to one of the tubes and a threaded shaft disposed through the nut and swivelly connected to the other tube, each cradle unit comprising a pair of opposed arcuate members, and rollers extending between the ends of the members of each pair, each pair of members being pivotally mounted intermediate the ends thereof.

2,380,416
PLANT TREATMENT COMPOSITION
John H. Davidson, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 21, 1942, Serial No. 455,614
5 Claims. (Cl. 167—45)

1. A herbicide composition including as the active ingredient a solution of methyl bromide in a lower alkyl benzene.

2,380,417
PROCESS AND APPARATUS FOR PRODUCING INDUSTRIAL OXYGEN
William Lane De Baufre, Lincoln, Nebr.
Application September 9, 1941, Serial No. 410,150
19 Claims. (Cl. 62—175.5)



19. A column for separating atmospheric air into an oxygen product and a nitrogen product as in claim 18 wherein the final rectifier contains three groups of trays of which the lowest group contains about the same number of trays as both upper groups together.

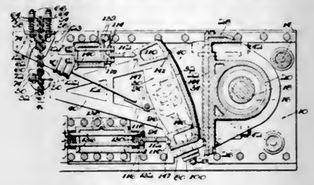
2,380,418
TREATMENT OF FAT-SOLUBLE VITAMIN-CONTAINING MATERIALS
Bernard A. Dombrow, New York, N. Y., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 2, 1940, Serial No. 343,558
9 Claims. (Cl. 167—81)

1. A process for producing a fat-soluble vitamin concentrate from a fat-soluble vitamin-containing marine oil, which comprises mixing a fat-soluble vitamin-containing marine oil with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reaction of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, to form a substantially homogeneous solution, cooling the mass to cause oil to separate out in a separate layer from the solvent solution, separating the solvent layer from the oil layer and recovering the extracted vitamin concentrate from the solvent solution thereof.

2,380,419
ROCK CRUSHER
Amos R. Ebersol, Lancaster, Pa.
Application June 16, 1942, Serial No. 447,258
23 Claims. (Cl. 83—53)

2. In a crusher, a frame, first and second co-operating jaws carried by said frame with opposed crushing faces, means for driving said jaws comprising a power shaft and eccentric, said eccentric bodily moving the crushing face of one of said jaws in a closed curved path toward and from said second jaw, said eccentric moving said face downwardly during its motion toward and from said second jaw and upwardly during its

motion from and toward said second jaw, an arm extending from said first jaw substantially in the direction of movement thereof toward and from the other jaw, means for movably supporting said arm at a point sufficiently remote from said eccentric so that resistance to movement at right angles to the length of said arm at said point pre-

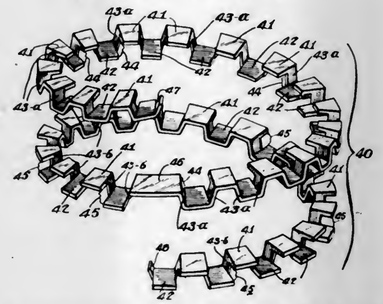


vents substantial rocking movement of the crushing face of said first jaw, and means operated from said eccentric and connected with said second jaw for imparting upward and downward movements thereto in synchronism with the movements of said first jaw, said jaws moving upwardly and downwardly together.

2,380,420
PRODUCTION OF SECONDARY AND TERTIARY AMINES FROM NITROGEN COMPOUNDS
William S. Emerson, Urbana, Ill.
No Drawing. Application December 16, 1940, Serial No. 370,355
4 Claims. (Cl. 260—577)

1. The process of producing N-di-n-butylaniline comprising the hydrogenation of a mixture of butyraldehyde and nitrobenzene in the presence of a hydrogenation catalyst and acetic acid at a temperature within the range of approximately 15° to 100° C. and at a pressure of approximately 1 to 4 atmospheres.

2,380,421
PISTON RING
Carl F. Engelhardt, Yeadon, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa.
Original application May 19, 1942, Serial No. 443,601. Divided and this application November 8, 1943, Serial No. 509,353
9 Claims. (Cl. 309—45)



1. A piston-ring comprising a helical strip of ribbon-like sheet metal having at least two complete turns, said strip being axially non-sinuously corrugated to provide successive plane segments disposed alternately in axially-separated connecting portions of each turn disposed in radial planes and generally axially-extending interconnecting portions formed integrally with said segments, said strip being disposed in axially-collapsed radially-nested position with the inter-intercrossing relationship to provide circumferentially distributed radially-extending oil-passageways.

2,380,422
STRAND COATING APPARATUS
George H. Frank, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1943, Serial No. 471,893
6 Claims. (Cl. 91—13)



1. In a wire enamelling apparatus, a plurality of baking ovens, a coating bath adjacent each oven, means for transferring coating material from the baths to a wire, a blower in each oven, and a tube having baffles therein positioned to surround the wire, said tube being in communication with the blower and serving to maintain air delivered to it from the blower under pressure around the coated wire.

2,380,423
COVERALL
Israel L. Freedman, Washington, D. C.
Application December 5, 1941, Serial No. 421,783
1 Claim. (Cl. 2—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

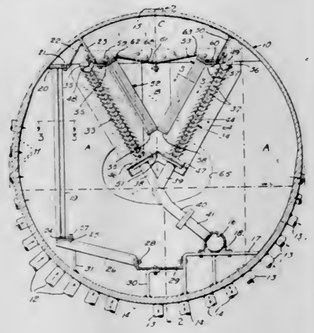


An outer garment comprising a coat-like waist portion and a trouser portion provided with a fly, a permanent connection between the meeting edges of the waist and trouser portions, a single and uncovered buttonhole flap at one side of the fly, an imperforate button-flap on the opposite side of the fly, and an imperforate flap overlapping and co-extensive with the button-flap and stitched to the top, bottom, and side of the button-flap remote from the free edge of the latter, whereby a pocket is formed for the reception of the buttonhole flap when the garment is in use.

2,380,424
VAPOR GENERATOR
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 29, 1941, Serial No. 390,890
9 Claims. (Cl. 261—119)

1. In steam treating apparatus comprising a steam and water drum and tubes connected with said drum through which steam and water are delivered to the drum, means for washing the steam delivered to the drum comprising opposed rows of N-shaped trough members inclined toward each other, each row comprising a plurality of horizontally extending, vertically spaced

members in nested relationship with the edge of one trough member at the junction of the lower end of the intermediate leg and an outer



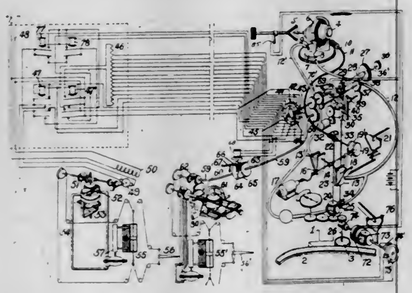
leg thereof in the area included between the corresponding legs of the trough member immediately below, and means for supplying wash water to said trough members.

2,380,425

AIRCRAFT AUTOMATIC PILOT WITH AUTOMATIC BANKING

Carl Alfred Frische, Leonia, N. J., and Gerald Neal Hanson, New York, N. Y., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 10, 1938, Serial No. 206,984
Renewed August 22, 1939
20 Claims. (Cl. 244—76)



1. In an automatic pilot for aircraft, adjustable means for causing through the automatic pilot a continuous turn of the craft at a rate dependent on the adjustment, and means operable from the adjustment of said first means for banking the craft through the automatic pilot at an angle proportional to the rate of turn.

2,380,426

POLYMERIZATION OF CONJUGATED DIENE HYDROCARBONS

Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 31, 1941, Serial No. 396,155
14 Claims. (Cl. 260—84.5)

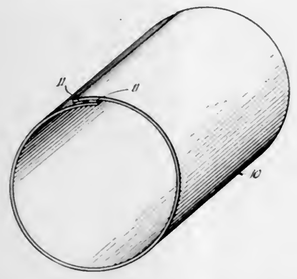
1. A method which comprises polymerizing a butadiene hydrocarbon in the form of an aqueous emulsion in the presence of a compound containing the 2-thiothiazyl group.

2,380,427

JOINT CLOSURE

Paul M. Gilfillan, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware

Application October 23, 1942, Serial No. 463,053
2 Claims. (Cl. 229—48)



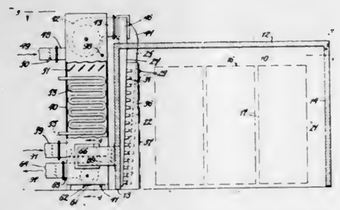
1. In a container, the improvement comprising a blank of container material having along one marginal edge on one surface thereof adjacently disposed stripes of a thermosetting glue and an amorphous wax, said blank being formed into a container wall structure with an opposite marginal edge on the other surface thereof overlying said stripes of glue and wax and forming a joint closure seam for the wall of said container, said glue securing said blank structure into said container wall formation and said wax being a barrier layer against moisture-vapor transmission between said joint closure and said glue.

2,380,428

APPARATUS FOR SMOKING AND CURING FOODSTUFFS

Oliver F. Gilliam, Evanston, Ill., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York

Application April 25, 1942, Serial No. 440,458
4 Claims. (Cl. 99—259)



1. In a combination of apparatus for smoking food products, means forming a smokehouse enclosure having side walls defining an area of substantial horizontal extent and having a low ceiling providing low head room in the enclosure, holders supporting the food products in said enclosure and arranged in at least one row to provide aisles along the opposite sides of said food products, air propelling means for delivering a stream of air to said enclosure, a heating element in said stream of air delivered to said enclosure by said air propelling means to heat said stream of air to a desired temperature, means for adding smoke to said stream of air prior to its delivery to said enclosure, means at the corresponding ends of said aisles for discharging said stream of smoke laden, heated air in a plurality of superposed streams directed horizontally into

and lengthwise of each of said aisles, an outlet duct communicating with said enclosure and arranged between said aisles at the end of said row adjacent said corresponding ends of said aisles for withdrawing said smoke laden air from said enclosure, and means for adjusting the effective temperature of said heating element to adjust the temperature of the stream of air so delivered to said enclosure.

2,380,429

STABILIZATION OF ZEIN SOLUTIONS

Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 14, 1943, Serial No. 502,320
3 Claims. (Cl. 106—153)

1. A solution of zein in a mixture of water and a water-miscible solvent selected from the grouping consisting of methyl alcohol, ethyl alcohol, isopropyl alcohol and acetone, containing therein carbon disulfide in an amount sufficient to retard increase of viscosity of the zein solution upon standing.

2,380,430

CLASP

Eugene D. Hallock, Buffalo, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office

Application September 9, 1943, Serial No. 501,642
1 Claim. (Cl. 24—259)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fastener having two spaced arms resiliently connected at one end, said arms having cooperating projecting portions adapted to be pressed into the material held by the fastener, one of the arms having a resilient hook at its free end to engage the free end of the other arm, said hook terminating in a reversely curved portion adapted to be engaged by the other arm as it moves into closed position to press back the hook, said portion projecting beyond said other arm in its closed position to furnish a handle for releasing the hook, said other arm having a transverse projection substantially equal in height to the reversely curved portion of the hook and located close enough to the hook to protect it from being opened by accidental pressure on the fastener but allowing insertion of the finger tip between the projection and the extension to press the hook back and open the fastener.

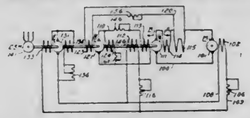
2,380,431

DRAGLINE CONTROL

William R. Harding, Export, Pa., and Lawrence G. Opel, Hobe Sound, Fla., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 8, 1943, Serial No. 486,178
14 Claims. (Cl. 180—8)

9. A drag line provided with walking pontoons, a crank shaft for cyclically operating said pontoons, a direct-current motor geared to said shaft, a main generator having an armature circuit connected to said motor for energizing said motor, said main generator having a self-excited field winding and a separately excited field winding disposed differentially relative to each other, said self-excited winding being connected with said armature circuit, a regulating generator having a regulator armature connected to said separately excited field winding to energize the latter and a regulator field winding connected with said armature circuit to be energized in dependence upon



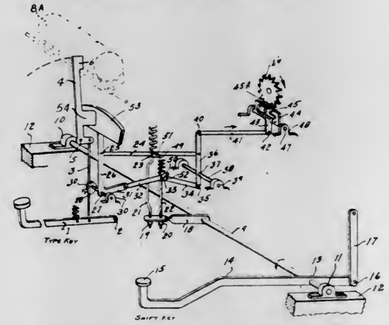
the load current of said motor, variable circuit means arranged between said regulator armature and said separately excited field winding for controlling the energization of said latter winding and thereby the energization of said motor, and means for driving said two armatures at constant speed, whereby the torque imparted by said motor through said shaft to said pontoons is at a maximum at the instant of zero speed when lifting the drag line and decreases to negative values before returning to zero when the drag line sits down again at the end of a walking cycle.

2,380,432

TYPEWRITER ESCAPEMENT CONTROL MECHANISM

Halla M. Harrison, Portland, Oreg.

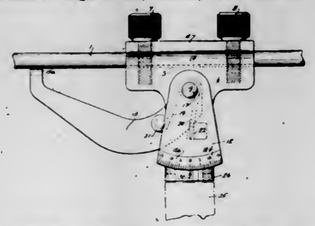
Substituted for abandoned application Serial No. 390,231, April 25, 1941. This application December 7, 1943, Serial No. 513,251
1 Claim. (Cl. 197—84)



In a typewriter having a frame, a carriage movable in the frame and a platen movable with the carriage, the combination of a plurality of key actuated type levers, type-heads carried by the type levers, said platen and type heads being relatively shiftable transversely to the direction of movement of the carriage, said type-heads each carrying a single type character arranged to print in one relative shift position of the platen and type-heads and a pair of type characters arranged to print simultaneously in another relative shift position of the platen and type-heads, an escapement mechanism for the carriage, means including a shift lever for relatively shifting the platen and type heads, and means controlled by the shift lever and interposed between the type levers and the escapement mechanism for selectively actuating the latter once or twice upon actuation of the type levers, said last named means comprising a plurality of toggles opera-

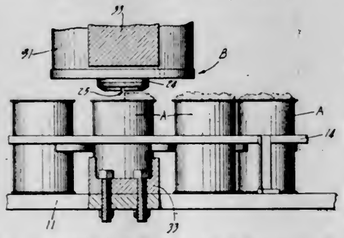
tively connected with the escapement mechanism, and adapted to be actuated by the type levers, certain of said toggles being movable into operative position by the shift lever simultaneously with movement of the other of said toggles into inoperative position, one of the toggle mechanisms transmitting a single impulse to the escapement device upon movement of the type-lever to printing position and the other toggle mechanism embodying means to transmit an impulse upon movement of the type-lever to printing position and a second impulse upon movement of the type-lever from printing position.

2,380,433
TENSIOMETER
Mark Hattan, Dayton, Ohio
Application September 13, 1944, Serial No. 553,854
8 Claims. (Cl. 73—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



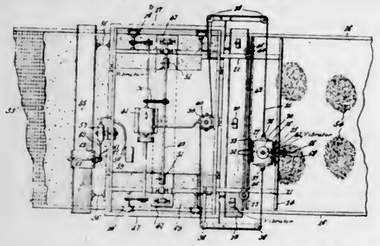
1. A tensiometer for measuring tension in cable-like members comprising, in combination, a clamp adapted to be clamped to a length of cable and deflection scale means associated therewith and having a movable member adapted to engage said cable, and a torque indicating wrench means adapted to exert a bending moment on said cable through bodily motion of said clamp to cause deflection of said cable, whereby the deflection of said cable is registered on said scale means and whereby the tension in said cable is measurable by comparison of the indicated torque producing said bending moment and the deflection registered on said scale means.

2,380,434
LIQUID FILLING MACHINE
Carl W. Heinle, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 15, 1941, Serial No. 388,679
4 Claims. (Cl. 252—361)



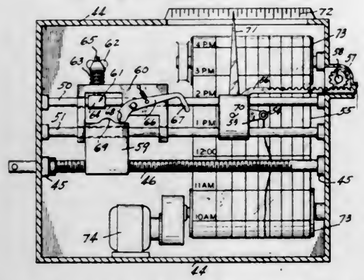
1. In a machine for treating foam on liquids in containers, the combination of devices for supporting a liquid filled container, instrumentalities for heating a gas to a temperature higher than that of said foam, a nozzle connected with said heating instrumentalities having an elongated slot therein for continuously projecting the heated gas downwardly and gently in an unbroken elongated curtain, and means for relatively moving said container and said nozzle whereby the foam is passed through the curtain of heated gas and the bubbles constituting the foam are broken by expansion due to the increased temperature imparted to the foam bubbles by said heated gas.

2,380,435
COMBINATION ROAD BUILDING MACHINE AND CONCRETE SPREADER
John N. Heltzel, Warren, Ohio
Application October 26, 1940, Serial No. 363,056
7 Claims. (Cl. 94—46)



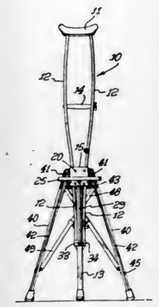
1. In a road building machine, a track extending transversely of the roadway, means for supporting said track for movement along the roadway, a carriage having wheels rolling on said track, means for causing the reciprocating movement of the carriage back and forth on said track, a relatively short blade extending lengthwise of the roadway and supported adjustably from said carriage to spread concrete forward of a screed to be surfaced by the screed simultaneously as the machine moves forward.

2,380,436
LEVEL INDICATOR AND RECORDER FOR MOLTEN GLASS
Robert Ellsworth Holdman, Portland, Oreg.
Application June 19, 1944, Serial No. 541,066
3 Claims. (Cl. 73—290)



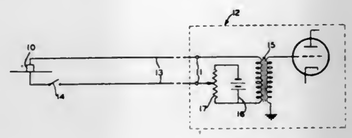
1. In apparatus for indicating and/or recording fluid levels in a tank comprising means for intermittently contacting the fluid to close an electric circuit embracing and for operating a reversible motor, the combination of a traveler block movable in two directions by the operation of said motor, a traveling yoke embracing said block and movable thereby at certain limits of movement of the block, indicating and/or recording means slidably mounted in the path of movement of the yoke to be moved thereby in one direction, and means for interconnecting the yoke and said indicating and/or recording means for movement in the opposite direction.

2,380,437
SEAT ATTACHMENT FOR CRUTCHES
William F. Homrighausen, Monterey Park, Calif.
Application June 26, 1944, Serial No. 542,133
10 Claims. (Cl. 155—41)



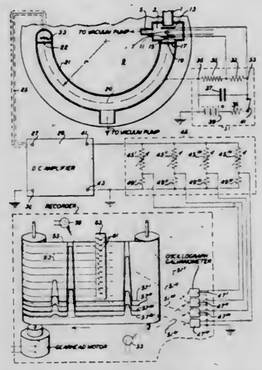
2. A seat attachment for crutches comprising: a clamp adapted to be mounted on a crutch; a seat pivotally mounted on said clamp; a collar adapted to be mounted on a crutch below the clamp; a telescoping leg pivotally connected at its upper end to the front portion of said seat and at its lower end to said clamp; a pair of supporting legs pivotally connected at their upper ends to said clamp and extending downwardly and rearwardly therefrom and a pair of struts pivotally connected at their upper ends to said seat and at their lower ends to said last-named legs; a pair of extensible cross braces pivotally connected at their ends to the supporting legs and means for limiting the extension of said braces.

2,380,438
MICROPHONE CIRCUIT
Herman Conrad Hornickel, Fair Haven, N. J.
Application February 11, 1944, Serial No. 521,963
2 Claims. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



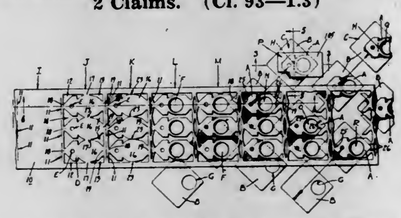
1. The combination in a circuit for adapting a double-button microphone to a two-wire input circuit arranged for a single-button microphone and including a source of electrical energy, comprising, a transformer having a center-tapped primary winding, a secondary winding, one end of said secondary winding being connected to the center-tap of said primary winding and the other end of said secondary winding being connected to one end of said input circuit, a double-button carbon microphone having its diaphragm connected to the end of said input circuit and its buttons connected to the primary winding of said transformer whereby said double-button microphone is electrically energized and in electrical association with said single-button input circuit.

2,380,439
MASS SPECTROMETER
Edmund E. Hoskins and Robert V. Langmuir, Pasadena, Calif., assignors to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application April 6, 1942, Serial No. 437,922
7 Claims. (Cl. 73—18)



1. In a mass spectrometer, the combination which comprises means for segregating under the influence of a force ions according to their mass-to-charge ratios into a plurality of beams, an ion collector wherein ion currents are produced by impinging ion beams, means for automatically varying said force to successively focus the ion beams on the collector, means for converting said ion currents into a corresponding electric current varying in amplitude as a function of time in accordance with the strengths of the ion currents, a plurality of means for amplifying said electric current in different amounts to produce a plurality of amplified currents, and means for recording the amplified currents as time coordinated traces each representative of the spectrum of the sample being analyzed.

2,380,440
METHOD OF MAKING FIBER CONTAINER PARTS
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 19, 1940, Serial No. 370,880
2 Claims. (Cl. 93—1.3)



1. A method of making composite fiber container end members, which comprises feeding along a predetermined path of travel a web of fiber stock having spaced areas for a plurality of container end member closure elements arranged in longitudinal and transverse rows, cutting away portions of the web to partially outline and partially free the potential closure elements, drawing to cup shape portions of the web included between said cut away portions, severing the uncut portions of the web which connect the drawn container closure elements to the web to produce a plurality of completed closure elements, utilizing

certain of the aforesaid cut away portions of the web for centering the latter for the cutting and drawing operations, advancing spaced processions of separate cooperating container end members each having a preformed dispensing aperture therein along paths of travel disposed at an angle to the path of travel of said web to place said apertures in successive registry with the drawn portions of the completed closure elements, and projecting each drawn portion of the closure elements of a said longitudinal row into the apertures of successive container end members of a said procession to produce a plurality of composite two-part unitary end members in readiness to be united with container bodies.

2,380,441

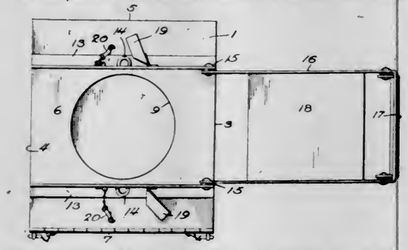
FOLDING SUPPORT

Styles T. Howard, Jeffersonville, Ind.

Original application June 4, 1941, Serial No. 396,577. Divided and this application October 16, 1942, Serial No. 462,273

1 Claim. (Cl. 248—150)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination, a plate having parallel upwardly extending flanges on one side, a support hinged to said flanges and comprising two U-shaped members, the extremities of the first U-shaped member being pivoted to the flanges and the extremities of the second U-shaped member being pivoted to the first U-shaped member adjacent the bight, said members being adapted to lie within the parallel flanges when folded, and means to secure said members within said flanges comprising a hasp pivoted to the outside of each flange, each of said hasps having a projection extending at an angle over the flange and adapted to overlie the folded members, and means for securing the hasps in position to engage the folded members.

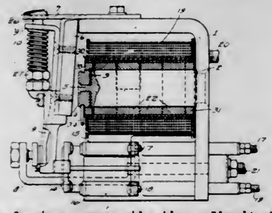
2,380,442

DIRECT-CURRENT ENERGIZED CONTACTOR

Ralph B. Immel and Reese T. Kintzing, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1943, Serial No. 495,468

11 Claims. (Cl. 175—372)



1. In an electromagnetic time limit device, the combination of a magnetic core member, a magnetizing coil surrounding said member and forming a peripheral interstice therewith, a container removably arranged in said interstice and surrounding said member within said coil, and a plurality of short-circuiting winding elements removably arranged in said container to permit changing the time limit of the device by a corresponding selection of said elements.

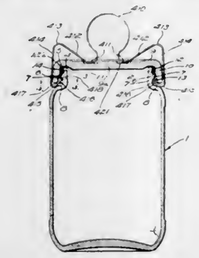
2,380,443

CLOSURE HOLD-DOWN SPRING CLAMP FOR PACKING JARS

Henry W. Ingle, Windsor, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application November 23, 1943, Serial No. 511,412

2 Claims. (Cl. 215—91)



1. The combination with a packing container which is open at its upper end and has an upper end portion provided with an external bead thereon adjacent to said upper end and with a shoulder thereon spaced below the bead, a closure cap for the container having a skirt extending downwardly over the upper end portion of the container to a level below that of the bead and within prying distance of said shoulder, and a gasket in sealing position between the upper end portion of the container above the bead and the cap, of a spring clamp formed to extend across the closure cap and to provide a pair of hooks having inwardly and upwardly turned bill portions which extend between the shoulder on the container and the skirt of the cap and inwardly and upwardly within said skirt against the bead so as to cause the clamp to exert a yielding downward pressure on the cap.

2,380,444

CHEMICAL PROCESS AND PRODUCTS

Horace S. Isbell, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce

No Drawing. Application September 4, 1943, Serial No. 501,288

5 Claims. (Cl. 260—484)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A crystalline mono-methyl ester of a galactonic acid.

2,380,445

CLUTCH DEVICE

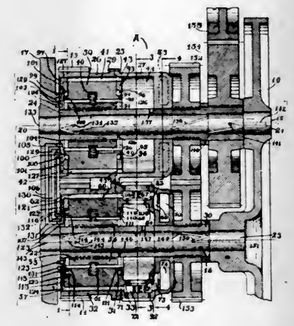
Albert L. Johnson and Selmer A. Kraft, St. Paul, Minn., assignors to Johnson Power-On Transmission Corporation, St. Paul, Minn., a corporation of Minnesota

Application September 23, 1942, Serial No. 459,374

19 Claims. (Cl. 192—58)

1. A clutch comprising a casing having a chamber whose periphery includes an abutment, a rotor

mounted in said casing in clearance relation to said periphery on opposite sides of the low point of said abutment, there being intake and outlet ports from said chamber on opposite sides of, and adjacent to, said point, a vane slidably mounted in the rotor, spring means urging said vane out-



wardly into engagement at its outer end with the periphery of said chamber, and an expansible chamber motor comprising a portion of the vane itself acting as a piston, said motor when subjected to pressure, serving to hold said vane retracted into said rotor.

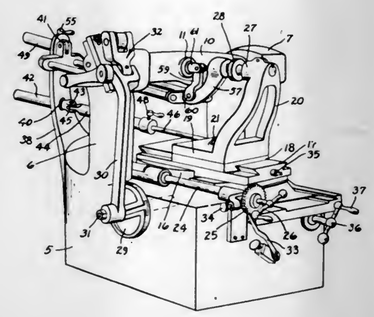
2,380,446

MACHINE FOR GENERATING CURVED SURFACES

William J. Joyce and George W. Jackson, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application May 21, 1943, Serial No. 487,908

5 Claims. (Cl. 90—24)



4. A device of the character described comprising a work support and a tool support movable in perpendicularly related directions, a bracket having spaced bearings therein, means adjustably supported in said bearings, a plurality of rod-like members having pivotal connections adjacent one end thereof to said means adjustably supported in said bearings, one of said rod-like members being attached to the work support and another of said rod-like members being attached to the tool support and means for moving said work and tool supports relative to each other in said substantially perpendicularly related paths of movement.

2,380,447

OPTICAL REFLECTING MATERIAL

Thoger G. Jungersen, Summit, N. J.

Original application November 19, 1937, Serial No. 175,541. Divided and this application February 8, 1943, Serial No. 475,155

10 Claims. (Cl. 88—78)



10. Sheet reflecting material particularly adaptable for general use in connection with safety signs and markers, said material comprising a flexible laminated sheet structure of a thickness approximating one-tenth of an inch or less, said sheet structure by reason of its thickness and character may be readily flexed, said laminated structure comprising a plurality of laminae, a first lamina being a transparent, protective, light entering and refracting medium providing a light entering surface, a second lamina being a smooth, opaque, reflecting material providing a light reflecting surface, said first and second laminae being in good physical contact, said two laminae being formed to cooperatively provide a plurality of shallow substantially contiguous facets of a design to reflect light along lines in a definite fixed predetermined relation to a specific angle of light reception lines, said design causing reflection other than general diffusion, one of said surfaces having a curved transverse sectional profile.

2,380,448

LIGNIN AND METHOD OF PRODUCTION

Raphael Katzen, Brooklyn, N. Y., assignor to Northwood Chemical Company, Phelps, Wis., a corporation of Wisconsin

No Drawing. Application January 25, 1941, Serial No. 375,927

7 Claims. (Cl. 260—124)

1. A method of isolating from hydrolyzed lignocellulose produced by pressure acid hydrolysis of plant fibres high yields of substantially pure lignins having melting ranges within the interval of temperature between about 85° and about 170° C. which comprises the steps of treating the hydrolyzed lignocellulose with at least one solvent selected from the group consisting of methanol, ethanol, n-propanol, iso-propanol, n-butanol, secondary butanol, tertiary butanol, iso-butanol, 2-ethyl hexanol, ethylene glycol monomethyl ether, ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, diacetone alcohol, dioxane, methyl acetate, ethyl acetate, acetone and methanol-benzene, separating the extract from the residual solid, mixing said extract with an excess of water and separating and drying the lignins.

2,380,449

PRODUCTION OF MAGNESIUM

Roy C. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 2, 1942, Serial No. 441,535

6 Claims. (Cl. 75—67)

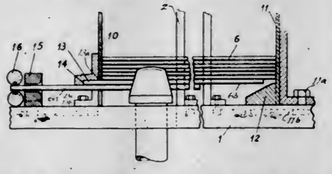
1. In a process for the production of magnesium, the steps of forming a charge consisting essentially of magnesium oxide, carbon in a proportion at least chemically equivalent thereto, and the oxides lime, silica, and alumina in such proportions that the residue formed on reduction

amounts to less than 20 per cent of the total charge and has the composition:

	Per cent by weight
CaO	52 to 98.8
SiO_2	0.1 to 48
Al_2O_3	0.1 to 30

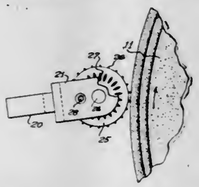
and heating the charge at a reduction temperature below the fusion temperature of the residue to liberate magnesium as a vapor.

2,380,450
ELECTRODE FEEDING APPLIANCE
Karl Klopfer, Zurich-Oerlikon, Switzerland, assignor to the firm Holding Intercito, Zurich, Switzerland, a company of Panama
Application January 13, 1942, Serial No. 426,650
In Germany January 15, 1941
4 Claims. (Cl. 198—43)



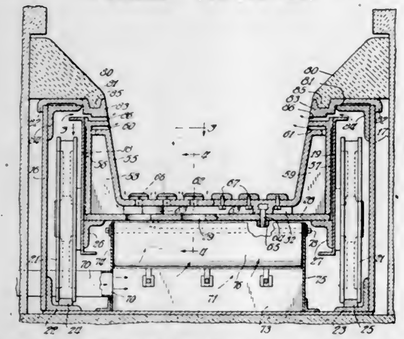
1. Feeding apparatus for electrode rods and the like, comprising transversely spaced guides having opposed inner edges inclined inwardly and downwardly toward each other and then substantially vertically downward to form a funnel-shaped space which is closed at one portion of its lower end by at least two conical feed rollers, a support at the rear end having its upper surface running obliquely forward and downward, and a front wall having an opening therein and provided with a front guide for the forward rod end provided at its bottom with a forward step having a recess on its under face sized to accommodate one rod diameter, the top parts of the cones of the conical rollers being eccentric, so as to shake or vibrate the rods in the adjacent portion of said space on rotation of said feed rollers.

2,380,451
DISK DIAMOND DRESSING TOOL
Charles J. Koebel, Grosse Pointe, Mich., assignor to Koebel Diamond Tool Company, Detroit, Mich., a corporation of Michigan
Application April 19, 1943, Serial No. 483,576
6 Claims. (Cl. 125—39)



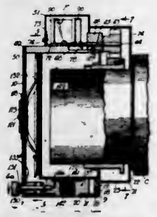
1. A diamond dressing tool comprising a narrow cylindrical disk carrying a number of small diamonds arranged in substantially equally spaced relationship around, and projecting partially from, the periphery of said disk, and means for holding said disk against rotation in adjusted position for dressing a grinding wheel and so as to present more than one diamond contact simultaneously to said wheel, the spacing of said holding means relative to the spacing of said diamonds being such that upon subsequent settings of said disk to re-present any one of said diamonds to said wheels it will be in a different angular position than in its immediately preceding operable setting.

2,380,452
FURNACE GRATE
George A. Kohout, Chicago, Ill.
Application May 14, 1942, Serial No. 442,885
7 Claims. (Cl. 110—38)



1. A furnace grate adapted to have fuel advanced over it by reciprocatory movement of the grate, comprising a bar having spaced rows of air inlet openings extending upwardly from the bottom of the bar, and cover means on said bar for said rows of inlet openings providing diverging air passages from each row, which passages extend in the direction of advance of the grate and open upon the top surface of the bar, said cover means comprising plates secured on said bar and having V-shaped grooves in their lower surfaces one leg of each groove in a plate extending to one side edge of the plate and the other leg of the groove extending to the opposite side edge of the plate, the apex of each groove overlying one of the openings.

2,380,453
CAMERA CONSTRUCTION
Charles Lateiner, New Rochelle, N. Y., assignor to Elba Trading Corporation, Brooklyn, N. Y., a corporation of New York
Application April 1, 1941, Serial No. 386,245
10 Claims. (Cl. 95—44)

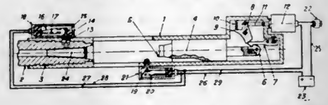


1. In a camera construction, a range finder comprising spaced obliquely positioned mirrors on top of the camera, a ring gear on the front of the camera, a pinion at the top of said camera meshing with said ring gear, a screw connected to said pinion and means actuated by said screw to move one of said mirrors, said camera being provided with a retractable cylindrical lens mount positioned inside of said ring gear, a sleeve carrying said ring gear positioned on said cylindrical lens mount and an adjustment member projecting from said sleeve and fitted into an obliquely slotted casing encircling the lens mount.

2,380,454
LUBRICATING OIL
Bert H. Lincoln, Ponca City, Okla., and Gordon D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application October 7, 1942, Serial No. 461,128
5 Claims. (Cl. 252—51)

5. A lubricant comprising in combination a major proportion of oil of lubricating viscosity and a minor proportion of an oil soluble halogen containing organic phosphorus compound of the class consisting of compounds of the following types: R=N—N=P—R and R—N=P—N—R where two or more nitrogens are present in the molecule, at least one of which is connected to phosphorus by a double bond.

2,380,455
AUTOMATIC FIREARM
Hanns Lippert and Erwin Hepperle, Zurich, Switzerland
Application April 30, 1942, Serial No. 441,159
In Switzerland July 12, 1941
9 Claims. (Cl. 89—28)

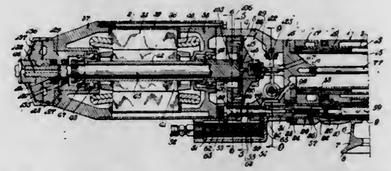


1. An electrically operated double loading safety device for automatic firearms comprising, in combination with the cartridge chamber and the breech block of the firearm, locking mechanism for releasably holding the breech block in recoil position, an electro-magnet arranged to control said locking mechanism, a feeler member at the cartridge chamber in position to be actuated by the insertion and extraction of a cartridge, an electric switch controlled by said feeler member and arranged in the circuit of the electro-magnet, a second feeler member arranged in the path of the breech block, and a second switch controlled by the said second feeler member and arranged to close the circuit of the electro-magnet when the switch controlled by the first feeler member is opened.

2,380,456
ART OF PROVIDING PROTECTIVE AND DECORATIVE LACQUERS AND COATINGS
Curtis E. Maier, Sylvester L. Flugge, and Edward C. Pfeffer, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 11, 1940, Serial No. 334,602
39 Claims. (Cl. 260—23)

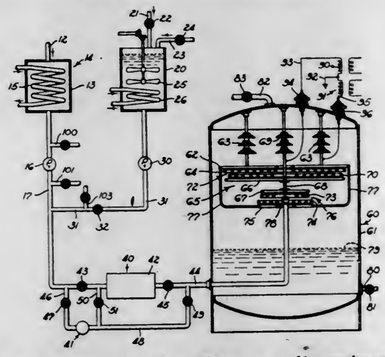
1. The process of preparing a coating composition containing an oleoresinous varnish base and a vinyl resin, which comprises heating a drying oil having dissolved therein an oil-soluble varnish resin selected from the group consisting of phenol-aldehyde resins, natural resins, ester gum, glycerol esterified copals, masticated copals, fused copals, phenolated copals, hydrogenated rosin, coumarone and indene resins, hydrogenated coumarone and indene resins, resinous reaction products of monomeric styrene and an oil-soluble phenol-aldehyde resin, oil-soluble hydrocarbon resins obtained by polymerization of olefin-diolefin fractions of cracked petroleum distillates, and oil-soluble dihydronaphthalene polymer resins in proportions of oil:varnish resin of essentially 1:4 to 2:1 for substantially 1 to 6 hours at a temperature of substantially 300 to 350 degrees F.; the selected varnish resin and the selected vinyl resin being compatible with one another; said heating being effective to produce an interassociation of the oil and varnish resin for providing the oleoresinous varnish base; said heating being terminated while the oleoresinous varnish base is still compatible with the selected vinyl resin, while the oleoresinous varnish base is free from the tendency to develop non-dispersible gel spots while in common solution with the selected vinyl resin, and prior to extensive polymerization of the oleoresinous base; and mixing this oleoresinous varnish base into a common solution in a volatile organic solvent with a polymerized vinyl resin selected from the group consisting of copolymers and mixed polymers derived from a vinyl halide and vinyl acetate.

2,380,457
AUTOMATIC CONTROL MEANS
Louis A. Maxson, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 30, 1941, Serial No. 424,971
14 Claims. (Cl. 255—47)



1. In a drilling apparatus, in combination, a motor for rotating a drill bit, driving connections between said motor and the drill bit including a driven shaft and a fluid containing system yieldingly connecting said motor to said shaft, power operated feeding means for the drill bit, and means for controlling said feeding means in accordance with the load on said motor, said controlling means including means operatively connected to said fluid containing system.

2,380,458
METHOD OF DESALTING MINERAL OIL
Gordon S. Nees, Forth Worth, and Roderick B. Perkins, Jr., Houston, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application January 6, 1940, Serial No. 312,745
13 Claims. (Cl. 204—190)



1. A process for desalting a salty mineral oil of low water content, said oil containing dis-

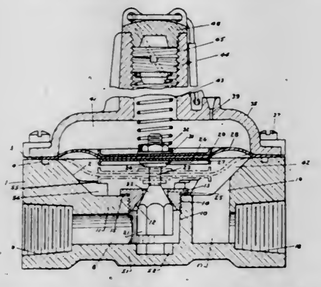
persed saline particles and containing organic acids, which process includes the steps of: mixing a relatively fresh water and an alkaline agent with said oil, said mixing being of sufficient intensity to form an emulsion of the water in the oil and to disperse the water throughout the oil to provide droplets thereof coexisting with dispersed saline particles; substantially completely resolving said emulsion by subjecting the same to the action of a coalescing electric field of sufficient intensity to coalesce the dispersed material thereof; and separating the coalesced material from the oil, said alkaline agent being present in an amount which will substantially minimize the building up of sludge during separation of the coalesced material, said amount being sufficient to react with a part, but not all, of said organic acids.

2,380,459

GAS PRESSURE REGULATOR

Fritz Niesemann, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 27, 1942, Serial No. 452,457
4 Claims. (Cl. 50—23)



1. A pressure regulator comprising a body provided with inlet and outlet openings and an intermediate valve seat defining a valve aperture, a flexible diaphragm within said body, a valve having a stem adapted to extend freely through said aperture for attachment to said diaphragm on one side of said aperture and having on the other side of said aperture a face carrying portion too large to pass through said aperture, said portion being disposed within the regulator so as to be non-accessible from the exterior of said body when said valve is operatively mounted in said body, fastening means on said valve stem for securing said stem to said diaphragm, said fastening means having a movable part manipulatable only from the side of said diaphragm remote from said valve seat, and non-removable means wholly within said body adapted to hold said valve against undesired movement when said moveable part is manipulated, said holding means being so constructed and arranged as to be inoperable with respect to said valve during normal functioning of said regulator.

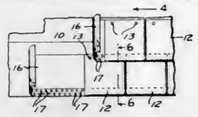
2,380,460

BUILDING CONSTRUCTION

William B. North, East Orange, N. J.

Application October 10, 1942, Serial No. 461,524
6 Claims. (Cl. 108—9)

1. A roof or siding construction comprising a base structure, overlapping courses of shingles on the base structure, felt underlying each course of shingles and overlying the head end portions of each overlapped course, the felt having apertures in the portions thereof between the overlapping portions of the shingles, driven elements for securing the head of the shingles to the base



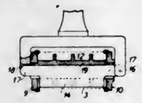
structure, and cementing means in said apertures for securing the felt to the shingles between which it is positioned.

2,380,461

SAFETY RAZOR WITH A COMB MEMBER CO-OPERATING WITH ONE OR MORE CUTTERS

Peter Harald Pedersen, Copenhagen, and Herman Nielsen, Buddinge pr. Soborg, Denmark; vested in the Alien Property Custodian

Application May 7, 1942, Serial No. 442,096
In Denmark May 10, 1941
2 Claims. (Cl. 30—43)



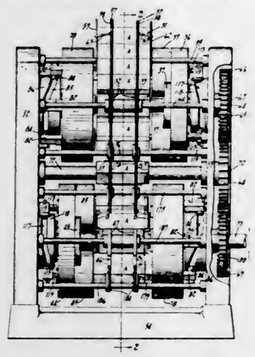
1. The combination in a razor of a handle, a U shaped holder member secured to one end of the handle, one of the arms of the U shaped member being provided with a forked end, a pivot pin mounted near the end of the second arm of the U shaped member, a cutter having one of its ends pivotally mounted on said pin whereby it may be swung about said pin into operative and inoperative position, the end of said cutter away from said pin being detachably connected to the forked end of said U shaped member, a cutter holder which provides a comb support slidably engaged with the cutter and extending lengthwise thereof, and cylindrical comb means detachably and rotatably mounted on said cutter holder.

2,380,462

CAN BODY NECKING-IN MACHINE

John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 21, 1942, Serial No. 444,000
2 Claims. (Cl. 93—36)



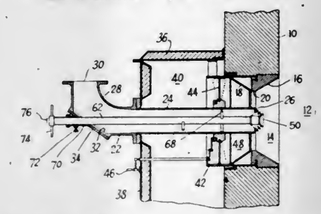
1. In a machine for necking-in the body walls of tubular fibre containers, the combination of a plurality of contiguous rotatable turrets each having peripheral pockets for receiving and continuously advancing container bodies along a predetermined path of travel, means rotatable with and mounted at one end of one of said turrets for necking-in a container body wall inwardly of an end thereof, means rotatable with and mounted at the opposite end of said one of said turrets for shifting a container endwise into and out of said necking-in means on the turret, corresponding necking-in and shifting means rotatable with and respectively mounted on opposite ends of another of said turrets and in reverse position thereon relative to the respective necking-in and shifting means on said first mentioned turret for thereafter performing said shifting and necking-in operations in respect to the container body wall and inwardly of the opposite end thereof, and means for transferring said containers from the first to the second mentioned turret without interrupting the continuous advancement of the containers.

2,380,463

FLUENT FUEL BURNER

Arthur J. Poole, Belleville, N. J., assignor to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey

Application June 23, 1942, Serial No. 448,061
11 Claims. (Cl. 110—104)



3. In a fluent fuel burner, a burner tube having a fuel discharge outlet of annular formation at one end, means for directing combustion air longitudinally of said tube and past said outlet end in an annular stream uniformly distributed about said tube, and means arranged concentrically with said tube for successively dividing the discharging fuel into concentric annular streams and for directing each of said streams outwardly with respect to the central axis of said tube into intersecting relation with said annular stream of combustion air, said last named means comprising a series of spaced annular vanes each having a free inner and a free outer circumferential edge and being of continuously flaring formation from its inner circumferential edge to its outer, said inner edges being of progressively decreasing diameters at progressively greater distances from said outlet, each of said vanes being relatively narrow with respect to its mean diameter and successive vanes being arranged in longitudinally overlapping relation to form a compact series of said vanes extending longitudinally from said outlet a distance less than the mean diameter of said outlet.

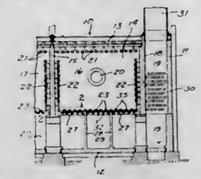
2,380,464

HEATER

John Primrose, Staten Island, N. Y., and Charles E. McCulloch, Westfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application October 22, 1942, Serial No. 462,938
12 Claims. (Cl. 122—356)

6. In fluid heating apparatus comprising means forming a furnace having a gas outlet at the bottom thereof, means for firing the furnace, and spaced, substantially horizontal and substantially parallel fluid conducting tubular members extending across the gas outlet, means comprising a baffle disposed at least in part in the space between adjacent tubes with a space for fluid flow between the baffle and the tube and positioned



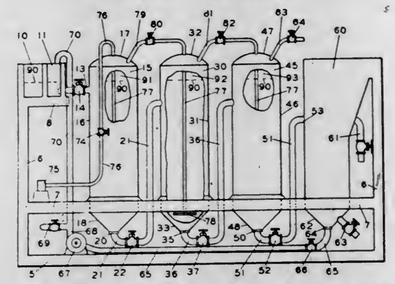
below a plane passing through the axes of said tubular members, and a hanger for supporting the baffle of substantially inverted U-shape supported by a tube with the legs on opposite sides of the tube, one leg of the hanger having a laterally extending flange upon which the baffle rests.

2,380,465

SYSTEM OF AERATION

Chester F. Proudman, New Canaan, Conn.

Application February 14, 1939, Serial No. 256,276
3 Claims. (Cl. 210—8)



1. Apparatus to treat sewage effluent comprising a primary effluent channel; a series of closed aerating tanks to hold batches of effluent for treatment; a settling basin for activated sludge and an outlet from said basin for purified liquid; a pump and pipe means to mix activated sludge from said basin with the effluent in said channel; a valved passage between said channel and the first tank; a valved passage leading from the bottom of each tank to a point near the top of the next tank in the series; a valved passage leading from the bottom of the last tank to a point near the top of said basin; said passages being closed to retain isolated batches of effluent, for an aeration and reaction period, in each of said tanks and said passages being opened to provide for the passage of each batch of effluent from each tank to the successive tank in the series and finally to said basin; and aerating means comprising air pipes between and within the tanks to provide for the passage of air during the reaction periods, through the effluent isolated in the first tank and thereafter progressively through the effluent isolated in each of the successive tanks in the series.

2,380,466

PLASTIC COMPOSITIONS AND METHOD OF MAKING THE SAME

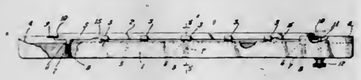
Orland M. Reiff and John D. Zech, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application February 28, 1942, Serial No. 432,792
4 Claims. (Cl. 260—48)

1. The process which comprises effecting formation of a plastic body containing combined

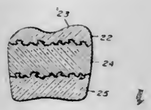
halogen by heating chlorinated petroleum wax of at least 25% chlorine content with an aromatic compoud chosen from a group consisting of phenol, the naphthols and diphenyl ether in the presence of a Friedel-Crafts catalyst and thereafter sulfurizing said body by heating the same with an aqueous solution of an alkaline sulfide selected from the group consisting of alkali metal and ammonium sulfides; the combined chlorine removed from said body by said sulfurization being at least 2% by weight.

2,380,467
ELECTROLYTIC RECORDING ELECTRODE
Hugh C. Ressler, West Brighton, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application September 11, 1941, Serial No. 410,423
1 Claim. (Cl. 234—70)



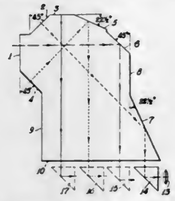
An electrode device for electrolytic recording including the combination of a thin, flat strip of resilient metal, a slotted holder for supporting and confining said strip of metal in the direction of its least dimension and permitting sliding and flexing in the direction of its width dimension, and a plurality of springs spaced along the length of the holder for pressing the edge of said strip of metal against a recording surface, the length, thickness, width and material of said strip being determined to permit flexing of said strip in the direction of its width to tend to conform with irregularities in said recording surface.

2,380,468
ARTIFICIAL TOOTH
Jacob A. Saffir, Chicago, Ill., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application July 29, 1941, Serial No. 404,483
2 Claims. (Cl. 32—8)



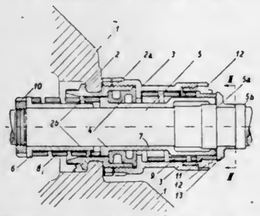
1. A tooth for artificial dentures comprising an impartible one-piece anatomically-configured body formed of a plurality of synthetic resins of diverse physical characteristics locally distributed in said body as: a synthetic resin base portion for direct setting in and fused union with the gingival portion of a molded resinous denture plate, a masticating head portion of polymerized synthetic resin having a high coefficient of resistance to deformation, fracture and abrasion, and a relatively yieldable trunk portion of polymerized synthetic resin having a high coefficient of elastic deformation disposed between said masticating head portion and said base portion, molecularly united with said base and with said masticating head portion by fusion with the respective component resin of each and constituting with said portions a buccally, lingually, gingivally and occlusally yieldable anatomically-configured impartible one-piece tooth devoid of telescopic joints, seams, casings or cells within which food and bacteria may lodge.

2,380,469
PRISM SYSTEM
Herman Schmarion, New York, N. Y.
Application November 1, 1941, Serial No. 417,467
13 Claims. (Cl. 88—1)



1. A prism of the class described, comprising a plurality of viewing surfaces and a plurality of reflecting surfaces, said viewing surfaces including a first viewing surface disposed at an angle of 90 degrees from the horizontal, a second viewing surface facing diagonally upward at an angle of less than 90 degrees from the horizontal, counter-clockwise, and a third viewing surface facing diagonally downward at an angle of less than 90 degrees from the horizontal clockwise; a first reflecting surface for reflecting the light ray beam from said first viewing surface, said first reflecting surface being disposed at an angle of 45 degrees from the vertical, counter-clockwise, a second reflecting surface for reflecting the light ray beam from said second viewing surface, said second reflecting surface being disposed at an angle of a certain number of degrees from the vertical, counter-clockwise, said certain number being equal to one-half the number of degrees at which said second viewing surface is disposed from the horizontal, counter-clockwise, a third reflecting surface for reflecting the light ray beam from said third viewing surface, said third reflecting surface being disposed at an angle of a certain number of degrees from the horizontal, clockwise, said certain number being equal to one half the number of degrees at which said third viewing surface is disposed from the horizontal, clockwise, said viewing surfaces being disposed, each toward its own field of view so that the light ray beam from its own field of view is perpendicular to its own viewing surface, said reflecting surfaces reflecting said light ray beams so that they are separate and parallel, a single emerging surface on said prism, said separate parallel light ray beams emerging from said prism at said single emerging surface.

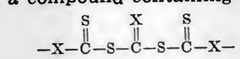
2,380,470
MOUNTING FOR AUTOMATIC FIREARMS ARRANGED ON AIRCRAFT
Theodor Schneider, Zurich, Switzerland
Application May 18, 1940, Serial No. 335,916
In Switzerland May 25, 1939
7 Claims. (Cl. 89—37.5)



6. In a recoil mounting for an automatic firearm arranged on an aircraft, the combination with a removable barrel, of an intermediate supporting ring adapted to be rigidly positioned on an aircraft, said barrel being disposed within and being axially displaceable within said intermediate ring, a spring system surrounding the barrel for dampening the recoil thereof, and stop mechanism for the spring system composed of radially insertable and removable parts, whereby upon removal of said stop mechanism, the barrel may be demounted from in front of the mounting.

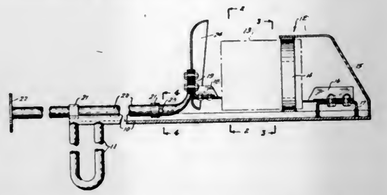
2,380,471
POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
Waldo L. Semon, Silver Lake, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application September 22, 1941, Serial No. 411,849
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in the form of an aqueous emulsion in the presence of a small amount of a compound containing the group



wherein X is a member of the group consisting of oxygen and sulfur.

2,380,472
HOLDER AND OPENER FOR CONTAINERS OF ADDITIVE LIQUID
Maurice W. Shayeson, Dayton, Ohio
Application November 27, 1944, Serial No. 565,385
7 Claims. (Cl. 30—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device comprising relatively long supporting means having means at the lower end adapted to carry a container of liquid, means for piercing both discharge and vent openings in the container, and means manually operable at the upper end of said supporting means for actuating said piercing means, whereby to provide for immersing and opening the container within the liquid in a tank and add the contents of the container thereto while held at a substantial distance from the hands of the operator.

2,380,473
CATALYSTS FOR THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 19, 1941, Serial No. 379,713
20 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a polymerizable material consisting of at least one unsaturated organic compound which contains a



group and which undergoes in aqueous emulsion an addition polymerization to form a high molecular weight linear polymer, to polymerization in aqueous emulsion in the presence of a catalyst comprising a water-soluble heavy metal salt combined with a derivative of a phosphorus oxyacid selected from the class consisting of salts and esters of phosphorus oxyacids, the total concentration of the heavy metal salt and the said phosphorus oxyacid derivative being less than 2% by weight of the material polymerized and the concentration of the heavy metal salt being such that the polymerization proceeds more rapidly than in the absence of the heavy metal salt.

2,380,474
CATALYSTS FOR THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 19, 1941, Serial No. 379,714
16 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a polymerizable material consisting of at least one unsaturated organic compound which contains a



group and which undergoes in aqueous emulsion an addition polymerization to form a high molecular weight linear polymer, to polymerization in aqueous emulsion in the presence of a catalyst comprising a water-soluble heavy metal salt combined with an aliphatic keto substituted carboxylic acid, the total concentration of the heavy metal compound and the carboxylic acid being less than 2% by weight based on the material polymerized, and the concentration of the heavy metal compound being such that the polymerization proceeds more rapidly than in the absence of the heavy metal compound.

2,380,475
CATALYSTS FOR THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application February 19, 1941, Serial No. 379,715
20 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a polymerizable material consisting of at least one unsaturated organic compound which contains a



group and which undergoes in aqueous emulsion an addition polymerization to form a high molecular weight linear polymer, to polymerization in aqueous emulsion in the presence of a catalyst

comprising a water-soluble heavy metal salt combined with an aliphatic organic compound containing at least one but not more than two divalent sulfur atoms each of which is connected by its two valences to two different atoms, and having at least one of said sulfur atoms connected by at least one of its two valences to an aliphatic radical containing at least one hydrophilic group, the total concentration of the heavy metal salt and the said aliphatic organic compound being less than 2% by weight of the material polymerized, and the concentration of the heavy metal salt being such that the polymerization proceeds more rapidly than in the absence of the heavy metal salt.

2,380,476

CATALYSTS FOR THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS

William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 19, 1941, Serial No. 379,716

12 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a monomeric material comprising a polymerizable conjugated butadiene to polymerization in aqueous emulsion in the presence of a catalyst comprising a water-soluble heavy metal salt combined with a sugar, the total concentration of the heavy metal salt and the sugar being less than 2% by weight of the material polymerized and the concentration of the heavy metal salt being such that the polymerization proceeds more rapidly than in the absence of the heavy metal salt.

2,380,477

CATALYSTS FOR THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS

William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 19, 1941, Serial No. 379,717

18 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a polymerizable material consisting of at least one unsaturated organic compound which contains a



group and which undergoes in aqueous emulsion an addition polmerization to form a high molecular weight linear polymer, to polymerization in aqueous emulsion in the presence of a catalyst comprising a water soluble heavy metal salt in combination with a naturally occurring compound containing a cyclopentenophenanthrene ring having a substituent containing no elements other than oxygen and hydrogen at the C_3 position, a substituent containing no elements other than carbon, hydrogen and oxygen at the C_{17} position and no substituents containing elements other than carbon, hydrogen and oxygen at other positions, the total concentration of the heavy metal salt and the combined cyclopentenophenanthrene compound being less than 2% by weight of the material polymerized, and the concentration of the heavy metal salt being such that the polymerization proceeds more rapidly than in the absence of the heavy metal salt.

2,380,478

LACTONES OF 2-ALKYL-3-ALKOXY-4-HYDROXYMETHYL-5-CARBOXYPYRIDINE

Eric T. Stiller, New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 16, 1941, Serial No. 423,136

10 Claims. (Cl. 260—297.5)

1. A lactone of 2-alkyl-3-alkoxy-4-hydroxymethyl-5-carboxypyridine.

2,380,479

dl-TRYPTOPHANE AND PROCESSES FOR PRODUCING THE SAME

Eric T. Stiller, New York, N. Y.

No Drawing. Application June 6, 1941, Serial No. 396,829

4 Claims. (Cl. 260—319)

4. In a process for the production of dl-tryptophane, the steps comprising hydrogenating, in the presence of a palladium catalyst, a compound selected from the group consisting of α-benzoyl-amino-β-indolyl-acrylic acid and salts thereof, recovering benzoyl-dl-tryptophane, and hydrolyzing the latter to produce dl-tryptophane.

2,380,480

PROCESS OF PRODUCING BURNT DOLOMITE

Werner Syz, Neuhausen-on-the-Rheinfall, Switzerland, assignor to Aluminium Industrie Aktien-Gesellschaft, Chippis, Switzerland, a joint-stock company of Switzerland

No Drawing. Application June 30, 1941, Serial No. 400,483. In Switzerland September 6, 1940

4 Claims. (Cl. 23—186)

1. The process of producing a burned dolomite comprising mixing the dolomite with a small proportion of a fluoride of a metal of the group consisting of calcium, barium, strontium, magnesium, aluminum and iron, both materials being in a crushed or finely reduced condition; and then heating the mixture to a suitable burning temperature of the dolomite between about 900° and 1000° Centigrade for a substantial reaction period; thereby resulting in a burned dolomite effectively resistant to the absorption of substantial proportions of carbon dioxide.

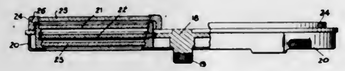
2,380,481

OPHTHALMIC MOUNTING

Edgar D. Tillyer, William J. Joyce, and Harold R. Moulton, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application February 24, 1941, Serial No. 380,192

3 Claims. (Cl. 88—41)



3. An optical mounting comprising spaced cells aligned with the two eyes, a pair of spaced light polarizing members mounted in each cell in holding means having peripheral engagement means, motion imparting means engaging the engagement means of each cell for imparting a rotary movement thereto and for retaining said polarizing members at given adjusted positions, axis of polarized light altering means between the polarizing members in each cell and held in holding means having peripheral engagement means, and motion imparting means engaging the engagement means of said holding means for said axis of polarized light altering means for imparting a rotary movement thereto, said holding means for the axis of polarized light altering means being mounted to be frictionally engaged by the holding means of the polarizing members to turn as a unit with said polarizing members and being independently rotatable with respect to the polarizing members, while said polarizing members are held at given adjusted positions, by manipulation of the motion imparting means for said axis of polarized light altering means.

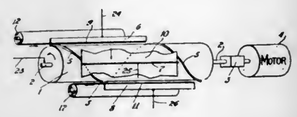
2,380,482

DUPLICATING RECORDER

William H. Tribble, Brooklyn, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application March 30, 1942, Serial No. 436,821

6 Claims. (Cl. 234—59)



1. A multiple copy facsimile recorder including in combination, a drum, a helical electrode carried by said drum, and a plurality of linear electrodes spaced around the circumference of said drum and displaced along the axis of said drum in echelon fashion for cooperating with said helical electrode to print substantially equally phased records on a plurality of record sheets.

2,380,483

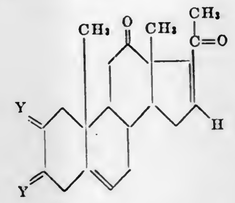
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1944, Serial No. 535,750

4 Claims. (Cl. 260—397.4)

1. A compound of the formula



where Y is a member of the class comprising



and groups hydrolyzable to



2,380,484

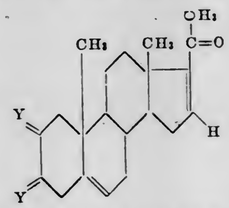
STEROIDAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Romeo B. Wagner, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1944, Serial No. 535,752

4 Claims. (Cl. 260—397.4)

1. A compound of the formula



where Y is a member of the class consisting of



and groups hydrolyzable to



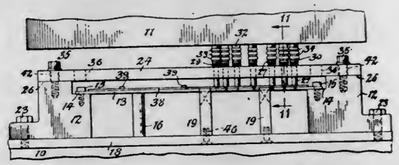
2,380,485

APPARATUS FOR PERFORATING SHEET MATERIAL

George F. Wales, Kenmore, N. Y.

Application March 18, 1943, Serial No. 479,615

34 Claims. (Cl. 164—94)



1. A sheet material perforating apparatus comprising a base, spaced supports resting on said base, a die plate mounted on said supports in spaced relation to said base and provided with die openings, a punch plate mounted on said supports in spaced relation to said die plate and provided with guide openings in line with said die openings, guiding and stripping tubes arranged in said guide openings, punches slidable in said tubes and adapted to cooperate with said die openings, resilient means for raising said tubes relative to said punch plate, and resilient means for raising said punches relative to said tubes.

2,380,486

LIGHTING CONTROL SYSTEM

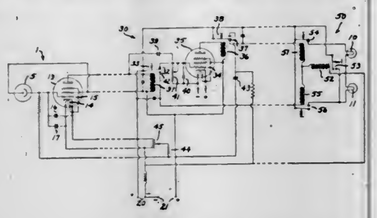
Floyd Willis, Jr., Tulsa, Okla.

Application March 11, 1942, Serial No. 434,211

5 Claims. (Cl. 250—41.5)

1. In a device for the control of vehicle headlights the combination of, separate filaments to be energized, a source of energy for said filaments, means normally closing a circuit from said source to one of said filaments, and means responsive to radiant energy for deenergizing said one fila-

ment and energizing the other of said filaments from said source, said last mentioned means in-



cluding means for maintaining said one filament energized for a predetermined period after the second filament is energized.

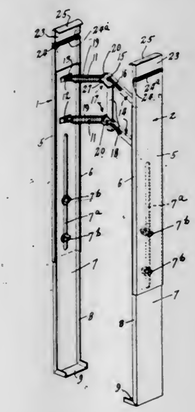
2,380,487

FIRE BLOCK SETTER

Sherman George Ackley, South Gate, Calif.

Application February 9, 1942, Serial No. 429,989

3 Claims. (Cl. 20—4)



1. In a device for setting a fire-block between studs of a wall of a building, the combination of a pair of members adapted to rest at their lower ends upon a support and adapted to press against the adjacent faces of the two studs, a toggle connection between said members including toggle links, and resilient means associated therewith and cooperating with the toggle links to exert a pressure through said members against the studs to enable a fire-block to be supported on the upper ends of said members and nailed to said studs, said toggle connection capable of being moved laterally to relieve the pressure on said members and permit the same to be withdrawn from below the nailed fire-block.

2,380,488

DISAZO NAPHTHOPYRIDINE DYES

Christopher Stanley Argyle, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain

No Drawing. Application November 21, 1942. Serial No. 466,475. In Great Britain January 2, 1942

17 Claims. (Cl. 260—155)

1. Process for the production of a disazo dye which comprises coupling a 7-hydroxy-1:2:3:4-tetrahydronaphthopyridine, capable of coupling in the 6 position, with a diazotized para-amino-mono-azo compound of which the aryl radicles are selected from the group consisting of benzene radicles and naphthalene radicles.

2,380,489

HYDROCARBON CONVERSION PROCESS

James C. Bailie, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 31, 1941, Serial No. 425,141

11 Claims. (Cl. 196—52)

11. The process of converting hydrocarbon oils into high knock rating motor fuels which comprises subjecting said oils at conversion temperatures to the action of a catalyst consisting essentially of magnesia and a solid refractory insoluble fluosilicate in intimate admixture therewith.

2,380,490

CATALYTIC CONVERSION

Melvin J. See, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 31, 1941, Serial No. 425,163

8 Claims. (Cl. 196—52)

1. In the process of converting hydrocarbon oils into high knock rating gasoline wherein said hydrocarbon oils are vaporized and the vapors are subjected to the action of a solid porous conversion catalyst at conversion temperature with accompanying deposition of carbonaceous deposit on said catalyst, the improvement comprising adding at least 1% of aluminum fluosilicate to said catalyst, whereby said deposit of carbonaceous matter on the catalyst is substantially diminished.

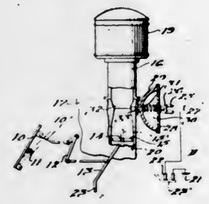
2,380,491

SWITCH CONTROL MECHANISM

Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application August 24, 1940, Serial No. 354,055. Divided and this application August 7, 1941, Serial No. 405,764

14 Claims. (Cl. 200—59)



1. In a control for electric circuit means, an engine having an intake system provided with a throttle valve for controlling air flow from the atmosphere to the engine, means for adjusting said throttle valve, means for controlling said circuit means, said controlling means comprising a switch-operating element adapted to be operated by said throttle valve adjusting means, and means utilizing pressure variation in said intake system at the atmospheric side of said throttle valve for overruling said control of said circuit means by

said controlling means in response to the engine, during its normal operation, attaining a predetermined speed accompanied by predetermined setting of said throttle valve by said throttle valve adjusting means.

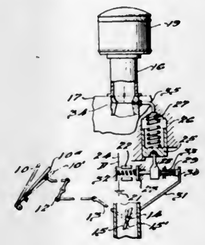
2,380,492

SWITCH CONTROL MECHANISM

Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application August 24, 1940, Serial No. 354,055. Divided and this application August 7, 1941, Serial No. 405,765

16 Claims. (Cl. 200—59)



1. In a switch control mechanism, electric circuit means comprising a switch having a conductor movable between switch-opening and switch-closing positions, a switch operating member adapted for moving in a predetermined path, an element movable from a first position in said path to a second position, said element when in said first position forming an operating connection between said conductor and said member so as to move said conductor from one of its said positions to the other in response to movement of said member, said member being incapable of moving said conductor as last aforesaid when said element is disposed in its said second position, an engine having an intake system provided with a throttle valve for controlling air flow from the atmosphere to the engine, means utilizing pressure variation in said intake system at a point anterior to said throttle valve for effecting movement of said element to its said second position, and means acting to bias said element to its said first position thereby delaying said movement of said element to its said second position until the engine operates at a predetermined speed above its idle speed.

2,380,493

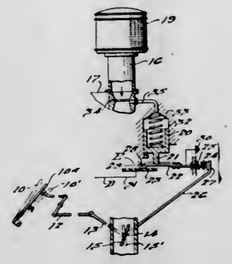
SWITCH CONTROL MECHANISM

Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application August 24, 1940, Serial No. 354,055. Divided and this application August 7, 1941, Serial No. 405,766

13 Claims. (Cl. 200—59)

1. In a switch control mechanism, electric circuit means comprising a switch having a spring conductor adapted to be flexed between two positions in only one of which positions said conductor is adapted for movement for switch-opening and switch-closing functions, means for moving said conductor as aforesaid, an engine having an intake system provided with a throttle valve for controlling air flow from the atmosphere to the engine, and means responsive to pressure variation in said intake system at a point anterior to said throttle valve for controlling flexing of said conductor such that flexing of said conductor from its said one position to



the other will be automatically effected, during operation of said engine under its own power, as a function of engine speed higher than the engine idling speed.

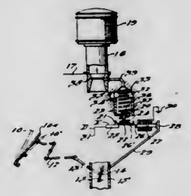
2,380,494

SWITCH CONTROL MECHANISM

Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

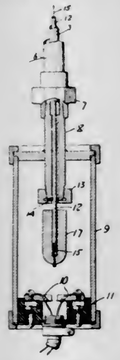
Original application August 24, 1940, Serial No. 354,055. Divided and this application August 7, 1941, Serial No. 405,767

11 Claims. (Cl. 200—59)



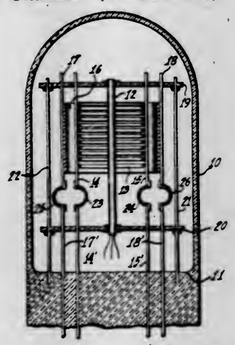
1. In a switch control mechanism; a switch comprising a relatively stationarily mounted first conductor switch member, a second conductor switch member movable from a first position to a second position thereof, and a third conductor switch member movable from a first position to a second position, said third member when in its said first position engaging said first member and adapted to be engaged by said second member when the latter is moved from its said first position to its second position thereby ot establish switch closing relationship of said members; a piston operably connected to said third member and adapted for movement from a first position to a second position thereof for moving said third member from its said first position to its said second position, said third member when in its said second position being disposed out of contacting relationship with at least one of the other of said members when said second member is moved between its said first and second positions thereby to prevent switch closing relationship of said members; an engine having an intake system provided with a throttle valve for controlling air flow from the atmosphere to the engine; and means utilizing pressure variation in said intake system at the atmospheric side of said throttle valve for moving said piston from its said first position to its said second position.

2,380,495
SAFETY DEVICE FOR CATALYTIC CONVERTERS
Daniel B. Banks, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 22, 1941, Serial No. 411,800
7 Claims. (Cl. 23—288)



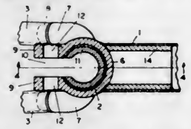
1. In a catalytic converter, the combination with a chamber adapted to contain the catalyst and having an inlet and outlet for admission and exit of reactants and otherwise enclosed, of a device for preventing damage to the catalyst comprising a fusible element, devices supported by the chamber and supporting the fusible element at its upper end, switch means outside and below said chamber, means, also outside said chamber, suspended by said fusible element and operable to close said switch means upon fusion of said fusible element, a rigid tube fixedly positioned in said chamber and extending substantially throughout the length thereof and adapted to be embedded in the catalytic mass, said fusible element extending from said switch-closing means into said rigid tube and substantially throughout its length, whereby any localized excessive temperature in the catalytic mass will effect fusion of said element at the locus of said excessive temperature and the release of the switch-closing means.

2,380,496
ELECTRON DISCHARGE DEVICE
Joseph G. Beard, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,171
6 Claims. (Cl. 315—59)



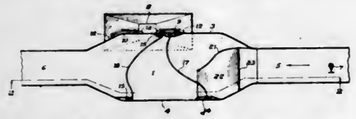
1. An electron discharge device having a plurality of electrodes, said electrodes being mounted to have relative longitudinal movement, supporting means for said electrodes and thermostatic means between said electrodes and said supporting means for causing relative longitudinal movement of said electrodes upon temperature changes of said electrodes, said movement being in a direction tending to neutralize the change of capacity caused by heating the electrodes.

2,380,497
BICYCLE FRAME
Harry H. Bound, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1943, Serial No. 475,358
1 Claim. (Cl. 287—54)



In a bicycle frame, the combination with a pair of tubular rear fork members, a tubular rear-seat mast, and a tubular top rail, of a unitary connection member secured to the end of said top rail and in telescopic engagement with said seat mast and rear fork members, a molecular bond between all of said components, said connection member and contiguous portion of the seat mast being bifurcated throughout at least a portion of their length, projections adjacent said bifurcation and a bolt to flex such connection member and cause the assembly to grip a seat post therein.

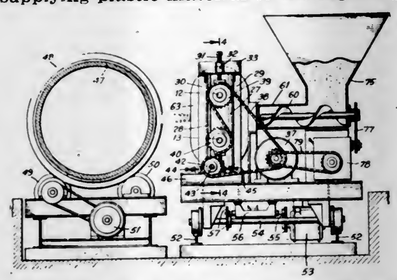
2,380,498
METHOD AND APPARATUS FOR TREATING VEGETABLES TO REMOVE UNWANTED PARTICLES THEREFROM
Walter S. Boynton, Portland, Maine
Application November 17, 1942, Serial No. 465,856
9 Claims. (Cl. 209—156)



1. The method of removing skin and other unwanted particles from peas, corn and such other vegetables that may be conveyed by water in a flume to a desired station, that comprises establishing a vegetable conveying main stream and an overflow stream laterally of the main stream, conveying in the main stream the vegetables to be treated, rolling the vegetables in the main stream laterally towards said overflow stream and simultaneously forcing them below the surface of the water while directing unwanted particles removed thereby towards the overflow stream whereby floating particles are removed by the overflow stream and the treated vegetables are conveyed by the main stream to the station.

2,380,499
APPARATUS FOR APPLYING PLASTIC COATINGS
William R. Brend, East Orange, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application January 14, 1942, Serial No. 426,711
10 Claims. (Cl. 91—44)

10. In apparatus for applying plastic material, the combination comprising a discharge throat having oppositely disposed surfaces having projections for gripping plastic cementitious material containing discrete particles, means supporting said discharge throat with portions of its material-gripping surfaces opposite each other, means for driving said surfaces in the same direction at said throat, a conduit having a discharge end for supplying plastic material to the ingress por-

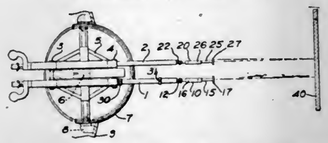


tion of said throat, means in said conduit for exerting pressure on plastic material contained in said conduit for forcibly advancing the same onto said plastic material-gripping surfaces of the ingress portion of said throat, and means for simultaneously operating said driving means and said pressure exerting means to cause the projection of plastic material from said throat.

2,380,500
SUBSTITUTION CHLORINATION OF TERTIARY OLEFINS
Hyym E. Buc and Clifford W. Muessig, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 4, 1940, Serial No. 333,258
5 Claims. (Cl. 260—654)

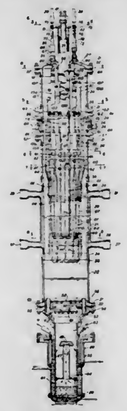
1. The method of preparing chlorine substitution products of a tertiary olefin containing not more than five carbon atoms per molecule which comprises introducing chlorine into a body of the said olefin in liquid phase at the rate of at least 0.05 mol of chlorine per minute for each mol of tertiary olefin present at a given time, while maintaining in the reaction zone a temperature substantially below the boiling point of the olefin at the prevailing pressure and permitting the immediate escape of the evolved hydrogen chloride from the liquid reaction zone.

2,380,501
BORE SIGHTING APPARATUS
John C. Christian and Robert T. Seymour, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application February 24, 1942, Serial No. 432,110
2 Claims. (Cl. 88—1)



1. Apparatus for bore-sighting paired guns, comprising supporting means operable to maintain the guns in definite relationship to each other, means operable to adjust at least one of the guns relative to said supporting means, two sighting means, means operable to support said sighting means with their optical axes in definite, known relationship to the axes of the respective guns, a plane mirror positioned for disposition precisely perpendicular to the optical axes of both of said sighting means by adjustment of said adjusting means and of an extent great enough to be viewed simultaneously through both of said sighting means when thus positioned by said supporting means, and targets upon each such sighting means in similar relationship thereto, visible through the respective sighting means in identical relationship to the optical axes thereof by reflection in the mirror upon disposition of both of said sighting means perpendicular thereto.

2,380,502
ELECTRONIC DISCHARGE DEVICE
James E. Clark, Williston Park, N. Y., Clifford E. Fay, Chatham, N. J., and Victor L. Ronci, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,918
20 Claims. (Cl. 250—27.5)



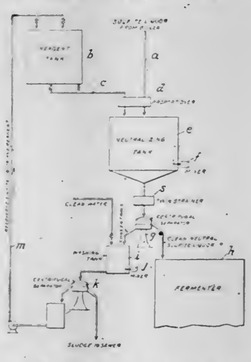
1. A high power electronic discharge device comprising a series of enclosure sections including an intermediate water-cooled anode, hollow vitreous columns on opposite ends of said anode, a metallic collar joined to one of said columns, a closure cap at one end, a hollow vitreous sleeve between said collar and cap, parallel terminal conductors extending outwardly from said cap, a hollow standard extending on opposite sides of said cap, said standard projecting substantially to the remote end of said anode, a plurality of filament sections disposed in parallel relation around said standard and attached thereto at one end, dual spring assemblies connecting said filament sections to said conductors, hollow frame members disposed adjacent said filament sections and connected to said collar, and a continuous wire helix carried by said frame members and spaced between said filament sections and the inner surface of said anode.

2,380,503
DYEING
Cyril M. Croft and Walter H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 15, 1941, Serial No. 419,290
9 Claims. (Cl. 8—59)

1. Method for the coloration of textile materials, which comprises mechanically impreg-

nating a textile material made of or containing an organic derivative of cellulose with a solution of an organic derivative of cellulose dyestuff in an organic liquid medium comprising an aqueous solution of a lower aliphatic ketone as the sole organic liquid present and in a concentration sufficient to have a swelling effect on said textile material, rapidly drying the impregnated material at an elevated temperature, and then topping said textile material to the desired shade by subjecting the material to the action of an aqueous dyebath of the same dyestuff and having no swelling action on the said material.

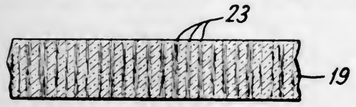
2,380,504
PROCESS OF PURIFYING SULPHITE LIQUOR
Gösta Johan Daniel Danielsson, Alsten, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application June 26, 1942, Serial No. 448,577
In Sweden June 28, 1941
1 Claim. (Cl. 23—131)



The process of treating sulphite liquor which comprises neutralizing the same by continuously treating it with a neutralizing agent, subjecting the neutralized sulphite liquor to centrifugal force to thereby separate a substantially neutral sulphite liquor from a sludge containing sulphite liquor, undissolved neutralizing agent and insoluble impurities, subjecting sludge so centrifugally separated to a washing with water, subjecting sludge so centrifugally separated and washed to a separating operation adapted to remove the major part of the insoluble impurities and any remaining undissolved particles of the reagent carried out therewith from sulphite liquor and dissolved reagent, and returning said separated sulphite liquor and dissolved reagent to the system at a locus preceding the locus of said centrifugal separation, thereby saving sulphite liquor, utilizing undissolved neutralizing agent in the treatment of fresh sulphite liquor and avoiding substantial accumulation of insoluble impurities in sulphite liquor treated with the returned neutralizing agent.

2,380,505
METHOD OF MANUFACTURING MOSAIC ELECTRODES
Henry B. De Vore, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1941, Serial No. 399,841
3 Claims. (Cl. 204—12)

1. The method of making a two-sided mosaic electrode for television tubes comprising substantially completely oxidizing a thin sheet of aluminum by electrolytic action in a bath capable of dissolving a portion of the formed oxide and continuing said action until sufficient oxide is dissolved to form pores extending from one outer surface of the sheet to the other, placing silver nitrate on one surface of the porous sheet

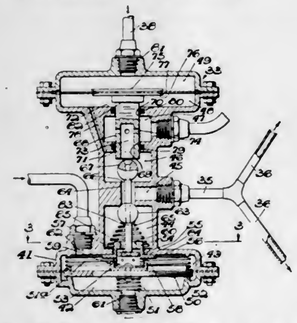


of oxide, heating said sheet to the melting point of said nitrate, continuing the heating until said nitrate is drawn away from said outer surface and into said pores, and heating the impregnated oxide sheet until the silver nitrate is reduced and all the silver is held entirely within said pores and extends from one side of the mosaic to the other with said outer surfaces free thereof.

2,380,506
METHOD OF SURFACE HARDENING BERYLLIUM-COPPER ALLOYS AND ARTICLES COMPRISED THEREOF
Matthew J. Donachie, Holyoke, Mass., assignor to The Beryllium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 3, 1943, Serial No. 493,428
5 Claims. (Cl. 148—19.9)

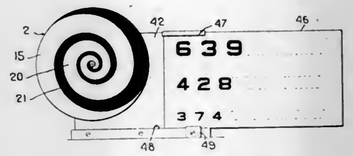
1. The method of treating beryllium copper alloys of the cold workable and precipitation hardenable type, which comprises heat treating the alloy to produce therein a heterogeneous crystal structure consisting of a mixture of the alpha and gamma phases with the gamma phase dispersed throughout the alpha phase and in a substantially agglomerated and spheroidized condition and then heating at least a portion of the alloy from the surface inwardly to a temperature at least sufficient to effect a conversion of the said heterogeneous structure to a desired depth to substantially pure alpha, quenching the said heated portion and reheating the alloy to a temperature within the precipitation hardening temperature range for the said alloy for a time interval at least sufficient to obtain precipitation hardening of the reheated portion to the hardness desired within the hardness range obtainable in the alloy.

2,380,507
FLUID PRESSURE CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application June 14, 1943, Serial No. 490,814
15 Claims. (Cl. 303—26)



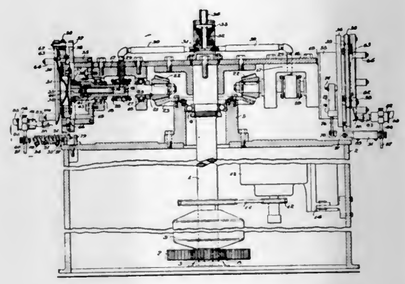
1. Control valve mechanism for a fluid pressure brake system including a casing, a valve assembly movably mounted therein and provided with intake and exhaust valves, a pair of serially connected exhaust ports, a pressure responsive member operable for moving said valve assembly to close one of the exhaust ports and open the intake valve, and a second pressure responsive member for moving the valve assembly to close the other exhaust port and open the intake valve.

2,380,508
EYE EXERCISING DEVICE
Ralph E. Eaves, Westwood, Mass.
Application May 8, 1943, Serial No. 486,237
5 Claims. (Cl. 128—76.5)



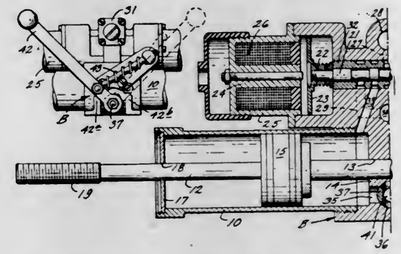
2. A device of the class described comprising a rotary target having on its face a spiral shaped band which spirals from the center of the target outwardly to the periphery, said band having a pointed inner end, the point of which is located at the true center of rotation of the target and also having a progressively increasing width from its pointed end to the periphery of the target, a target-supporting shaft on which the target is removably mounted, and means to rotate said shaft at a uniform speed.

2,380,509
DINNERWARE LINING MACHINE
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Application April 3, 1943, Serial No. 481,737
34 Claims. (Cl. 91—12)



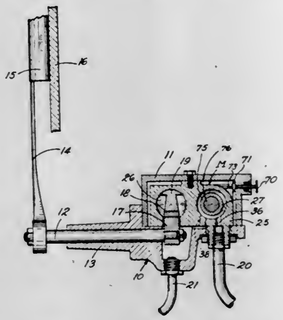
8. A decorating machine for fired dinnerware, comprising a plurality of chucks for holding ware substantially vertical, a color applicator mounted adjacent each chuck, supporting means for continuously moving said chucks and applicators in an endless path, means for moving the applicators into contact with ware supported by said chucks, means for effecting relative movement between each applicator and adjacent chuck circumferentially of ware on the latter to decorate said ware, and means responsive to the movement of said supporting means for periodically moving each applicator away from the ware.

2,380,510
SERVO UNIT
Clifford E. Fitch, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 12, 1942, Serial No. 461,818
11 Claims. (Cl. 121—38)



2. In a servo unit, a pair of cylinders, a partition therebetween, a control rod extending through said cylinders and partition, a piston in each cylinder, means to introduce pressure fluid on one side of said partition to one of said cylinders to move the piston therein and thereby cause said control rod to travel in one direction and to introduce pressure fluid on the other side of said partition to the other cylinder to move the piston therein and thereby cause said control rod to travel in the opposite direction, said control rod being slidable through said pistons and said partition, and having a stop shoulder on the outer side of one piston and a second stop shoulder on the opposite and outer side of said other piston.

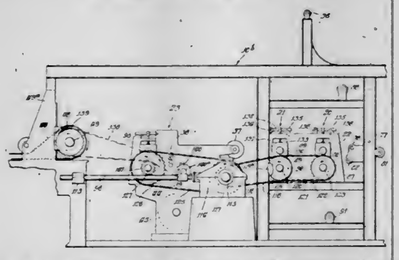
2,380,511
WINDSHIELD WIPER MOTOR
Frederick G. Folberth and William M. Folberth, Cleveland, Ohio
Application October 1, 1943, Serial No. 504,542
10 Claims. (Cl. 121—158)



8. In a fluid operated motor, a main drive cylinder, a piston operable therein, a valve cylinder, means for conducting fluid between said valve cylinder and said main cylinder, an inlet for admitting fluid under pressure to said valve cylinder and means for permitting the exhaust of fluid from said cylinder, and valve means disposed within said valve cylinder for controlling the flow of fluid between said valve cylinder and said main cylinder, said valve means including a main valve, a pilot valve of greater length than said main valve, and valve bushings disposed at opposite ends of the valve cylinder and having end faces serving as stops for said main valve, said main valve controlling the flow of

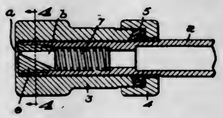
fluid to said main cylinder and being reciprocable within said valve cylinder by fluid pressure acting against the ends thereof, said pilot valve being reciprocable within said main valve and controlling the flow of fluid under pressure to reciprocate said main valve, said valve bushings having axial passageways in constant communication with the ends of the main valve to permit the exhaust of fluid ahead of said main valve during its reciprocation.

2,380,512
MACHINE FOR MAKING MULTIPLY BOARDS
Jerry U. Forbes, Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 18, 1942, Serial No. 451,441
3 Claims. (Cl. 154—37)



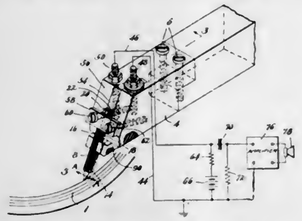
1. A machine for the manufacture of multiply solid fibre board, comprising a frame, means associated with the frame for supplying at least two continuous webs of paper, a pair of cooperating squeeze rolls supported for rotation on the frame, driving means for at least one of said squeeze rolls, means for bodily adjusting one of said squeeze rolls toward and from the other whereby said squeeze rolls are adapted to engage and draw the webs in superposed, contacting arrangement therebetween, means for applying a film of adhesive between the superposed webs in advance of the point where the webs pass between said squeeze rolls, a conveyor comprising an endless belt arranged to receive the webs after passing between said squeeze rolls, a main driving means for the conveyor belt connected thereto by positive transmission means at its discharge end remote from said squeeze rolls, the driving transmission for said driven squeeze roll being also connected to the main driving means by means incapable of slippage, and the driving transmission for the conveyor belt being so related to the driving transmission for said driven squeeze roll as to cause the belt to travel at a surface speed slightly in excess of the surface speed of said driven squeeze roll whereby a smoothing-out effect is produced by the conveyor belt on the completed solid fibre sheet.

2,380,513
SPRAY NOZZLE
Haig S. Garabedian, Watertown, Mass.
Application January 26, 1944, Serial No. 519,707
6 Claims. (Cl. 299—135)



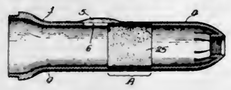
1. A spray nozzle comprising a tubular body and a cap mounted thereon for relative rotative adjustment, one on the other, around an axis extending lengthwise of said tubular body, said body having a discharge orifice in the end thereof on which said cap is mounted and said cap having a thin end wall provided with an orifice cooperating with that in said body to control the flow of liquid through the nozzle, the two orifices being eccentrically related to each other the orifice in said cap being elongated laterally and terminating at one end in a gradually tapered bevelled corner, and the cooperating edge of the orifice in said body being bevelled to cooperate with said corner in directing a fine spray at an abrupt angle laterally with reference to the axis of said body.

2,380,514
VIBRATION-TRANSLATING DEVICE
Kenneth Joseph Germeshausen, Cambridge, Mass.
Application June 12, 1940, Serial No. 340,156
10 Claims. (Cl. 179—100.41)



1. A vibration-translating device comprising a beam-like vibratory insulating element having a graphite conducting layer extending along one edge of a face of the element from one end of the element toward the opposite end, then across to another edge of the element, and then along the said other edge from the said opposite end to the said one end, the conducting layer being relatively thin compared to the thickness of the insulating element.

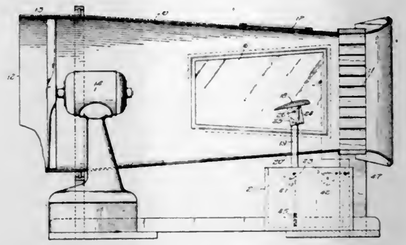
2,380,515
THERMOPLASTIC CONSTRUCTION
Jules P. Gits, Chicago, Ill., assignor, by mesne assignments, to himself and Joseph A. Gits, Chicago, Ill.
Original application December 14, 1940, Serial No. 370,111. Divided and this application May 25, 1942, Serial No. 444,379
9 Claims. (Cl. 138—76)



6. An article of the class described comprising a wall of plastic material and cardboard affixed substantially in layer form along one surface of the plastic material, the surface of said cardboard in contact with the plastic material being relatively smooth and unimpregnated by the plastic material.

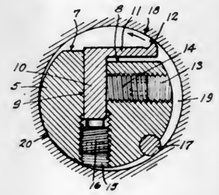
2,380,516
WIND TUNNEL BALANCE
Carl Goldberg, Chicago, Ill., assignor to Comet Model Airplane & Supply Company, Incorporated, a corporation of Illinois
Application January 11, 1943, Serial No. 471,948
10 Claims. (Cl. 73—147)

1. Apparatus of the character described for movably supporting a strut adapted to support an element in an air stream, including: a movable parallelogram having a portion of the strut as one side thereof and supporting means as the opposite side thereof; and a second movable parallelogram having one side thereof rigidly con-



nected to one side of the first-mentioned parallelogram and supporting means as the opposite side thereof, the construction and arrangement being such that said strut is movable only in a desired plane.

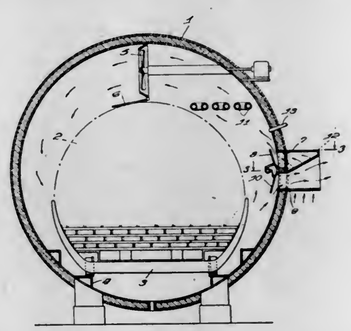
2,380,517
SPRING BLADE REAMER
John Gordon, Seattle, Wash.
Application October 22, 1943, Serial No. 507,341
6 Claims. (Cl. 77—75)



1. In a reamer a body member adapted for insertion into a hole that is to be reamed; a reamer blade of substantially L shape having a base flange rigidly secured to said body member and a resilient blade flange integral with the base flange, said resilient blade flange being provided along its outer portion with a straight cutting edge projecting sidewise therefrom and extending longitudinally of said body member; a bearing surface carried by said body member and extending longitudinally thereof at a location on the body member substantially diametrically opposite to said cutting edge; and another bearing surface carried by said body member and extending longitudinally thereof approximately mid way between said first named bearing surface and said cutting edge and to the rear of said cutting edge.

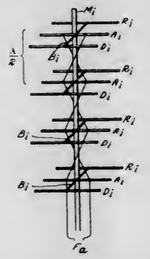
2,380,518
KILN DRYING
Frederick W. Gottschalk and Herbert W. Angell, Chicago, Ill., assignors to American Lumber & Treating Co., a corporation of Delaware
Application April 18, 1942, Serial No. 439,518
4 Claims. (Cl. 34—86)

1. A dry kiln for treating elongated wood products comprising an elongated horizontal chamber of generally circular cross-section, at least one fan facing transversely of the chamber and located inside the apex thereof, a small baffle below and immediately adjacent the fan, means for mounting a stack of wood of substantially circular cross-section having its center below the center of the kiln with the long axis of the wood parallel with the axis of the chamber, the mounting means, the shell, and said baffle being shaped to direct the air current from the fan initially substantially tangentially of the stack of wood in a path of free air movement of gradually diminish-



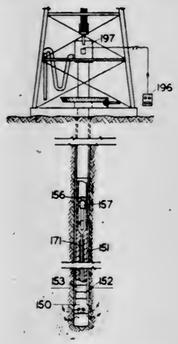
ing cross-section, an air exhaust vent in the chamber wall, an air intake vent in the chamber wall immediately adjacent the air exhaust vent and between it and the fan, and a heating coil within the chamber located in the air stream between the intake vent and the fan.

2,380,519
DIRECTIONAL AERIAL SYSTEM
Ernest Green, Writtle, Chelmsford, England, assignor to Marconi's Wireless Telegraph Co. Ltd., a company of Great Britain
Application September 30, 1943, Serial No. 504,423
In Great Britain May 21, 1942
4 Claims. (Cl. 250—11)



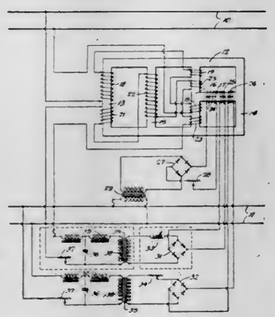
1. A directional aerial system including a plurality of dipole aerials mounted in spaced relationship relatively to each other with their centres on a common straight line and disposed all in a common plane, wherein there is associated with and disposed parallel to each dipole one reflector and at least one director, all the reflectors being situated one one side of the assemblage of dipole aerials and spaced therefrom and from each other, and all the directors being situated on the other side of the assemblage of dipole aerials and spaced therefrom and from each other, the spacing between adjacent reflectors and between adjacent directors being the same as that between adjacent dipoles, and wherein one half of each dipole aerials is connected near its centre to one conductor of a feeder and the other half is connected near its centre to the other conductor of the feeder.

2,380,520
BOREHOLE INDICATING APPARATUS
Gerald L. Hassler, Altadena, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original application April 24, 1942, Serial No. 440,405. Divided and this application March 25, 1944, Serial No. 528,117
2 Claims. (Cl. 73—151)



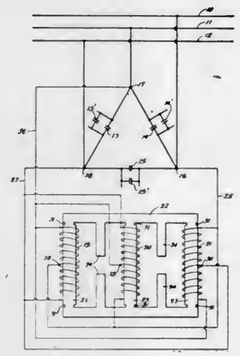
1. In a system for continuously obtaining at the surface of a well indications of two independent well borehole variables, the combination of a drill string adapted to be lowered into the borehole, separate measuring means in the lower portion of said drill string for each of said variables, and means contained in the lower portion of the borehole for sending indications of said borehole variables to the surface, said means comprising a power source, a sound transmitter, an electrical circuit for timing the periods of actuation and silence of said transmitter in response alternately to the magnitude of said measurement of one of said variables and to the magnitude of said measurement of the other of said variables, and means at the well surface for receiving and recording the sound signals from said transmitter.

2,380,521
ELECTRIC REGULATING APPARATUS
Eugene H. Haug, Glencoe, Ill., assignor to La Salle National Bank, Chicago, Ill., as trustee
Application March 3, 1944, Serial No. 524,906
8 Claims. (Cl. 171—119)



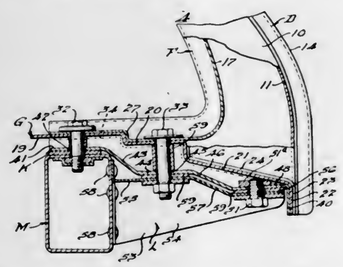
1. Electric regulating apparatus comprising a magnetic core, a primary winding on the core connected to a supply circuit, a secondary winding on the core connected to an output circuit, three saturating windings on the core including a base winding, a buck winding and a boost winding, rectifiers connecting said windings respectively to one of the circuits, an inductive reactance in series with the rectifier for the buck winding, and a resistance in series with the rectifier for the boost winding.

2,380,522
POWER FACTOR CONTROLLING APPARATUS
Eugene H. Haug, Glencoe, Ill., assignor to La Salle National Bank, Chicago, Ill., as trustee
Application June 9, 1944, Serial No. 539,419
2 Claims. (Cl. 172—246)



1. Power factor controlling apparatus for use with a three-phase three line power supply comprising a delta circuit adapted to have its terminals connected respectively to the three lines of the power supply, capacitors in each of the legs of the delta circuit, a magnetic core having three interconnected legs and means forming air gaps between the legs, windings on the legs, connections from the ends of the windings to the terminals of the delta circuit whereby each winding is connected across one of the capacitors, and center taps on the windings connected to the terminals of the delta circuit so that each center tap is connected to the terminal opposite the capacitor across which its corresponding winding is connected.

2,380,523
VEHICLE BODY STRUCTURE
Harold A. Hicks, Detroit, Ira E. Johnson, Huntington Woods, and Albert W. Ross, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 8, 1941, Serial No. 414,102
20 Claims. (Cl. 296—28)



9. In a motor vehicle including a frame having a side rail, a body structure including a floor overlying said rail in vertically spaced relation and projecting laterally outwardly therefrom, said body further including a hollow column having at least the base portion thereof disposed laterally outwardly from said rail and including a foot projecting inwardly from said column to overlie said floor and rail, a reinforcing member having a portion thereof channel-shaped in cross section disposed in the vertical space between said floor and rail, said member extending laterally outwardly beyond said rail, a cantilever outrigger structurally united with said rail and projecting outwardly therefrom beneath said foot, floor, reinforcing member and column, first means securing together said foot, floor and reinforcing member at the region thereof registering vertically with said rail, second means securing together said foot, floor, reinforcing member and outrigger laterally outwardly from said first means, and a structural connection between the outrigger and column laterally outwardly from said second securing means.

2,380,524
PURIFICATION OF ALIPHATIC ETHERS
John C. Hillyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application February 21, 1941, Serial No. 380,069
8 Claims. (Cl. 260—616)

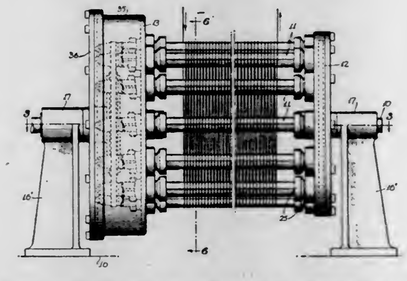
1. The process of removing peroxides and organic impurities from an impure low boiling ether which comprises treating said impure ether with an acidic solution containing the dichromate ion at a temperature not greater than about 25° C., separating the partially purified ether from said acidic solution, washing the partially purified ether with a first aqueous alkaline solution, separating the partially purified ether from said first aqueous alkaline solution, treating the contacted ether a second time with an acidic solution containing the dichromate ion at a temperature above 25° C. to treat the remaining impurities, separating the treated ether from said second acidic solution, and removing the reaction products of said second acidic solution by washing the treated ether with a second aqueous alkaline solution.

2,380,525
FILAMENTARY CATHODE AND METHOD OF MANUFACTURE
Julius Hirmann, Hillside, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 24, 1943, Serial No. 476,906. Divided and this application January 5, 1944, Serial No. 517,291
6 Claims. (Cl. 29—25.17)



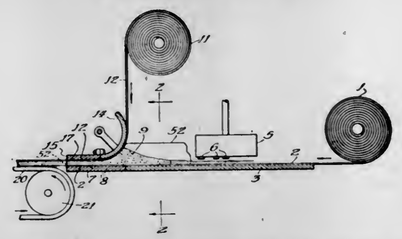
1. The method of fabricating filaments for radio tubes and the like comprising blanking windows between the sides of, and uniformly spaced lengthwise along, two metal ribbons, superimposing one ribbon on the other with the windows in registry and feeding a filament wire between the ribbons so that the wire lies substantially midway between the edges of the ribbons and lengthwise of the windows, feeding the ribbons and wire between welding electrodes, welding together the contacting portions of the ribbons and wire, and finally cutting away the portions of the ribbons along the sides of the windows.

2,380,526
CAGE FOR RAYON OR THE LIKE
Reginald W. Hoagland, Detroit, Mich., assignor, by mesne assignments, to Industrial Rayon Corporation, a corporation of Delaware
Application June 2, 1943, Serial No. 489,343
12 Claims. (Cl. 28—71.5)



1. In a cage for storing and advancing yarn or the like comprised of a plurality of annularly spaced sets of yarn or the like carrying bars constituting the periphery of the cage and centered and rotatable as sets about a common axis and in which cage the yarn or the like rests commonly upon all of the sets of bars and is progressed axially of the cage along a generally helical path by virtue combinedly of the rotation of the sets of bars about the axis and the relative movements of the bars of the individual sets as respects each other, the improvement which consists in supporting the bars of each set by end extensions thereof which together afford a unitary journal of substantially circular cross-section and providing rotary and relative axial movements for the bars of the respective sets through the bearing thus afforded.

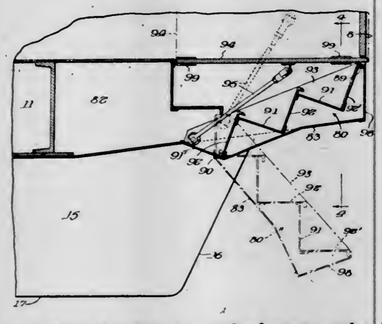
2,380,527
APPARATUS FOR FORMING SHEETS FROM PLASTIC MATERIAL
Gilbert A. Hoggatt, Winnetka, Ill., assignor to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland
Application January 2, 1943, Serial No. 471,118
2 Claims. (Cl. 154—1)



1. In a machine for producing wallboard having a core of calcined gypsum in set condition between sheets of cover paper, a substantially horizontal sheet-supporting table, a plate fixed above and extending across said table and having one portion thereof parallel to said table and another portion curved upwardly from said table, means for continuously moving a continuous bottom sheet of cover paper in the direction of the length of said sheet along said table and through the space between said table and plate, means for delivering a mixture of calcined gypsum and water in plastic condition onto said sheet for movement therewith into and through the space between

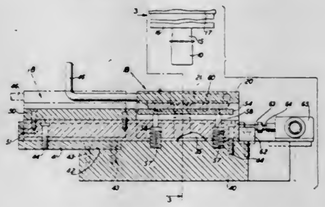
said table and plate, and means for supporting a roll of cover paper above said table and arranged to be fed as a sheet around and along the curved and horizontal portions of said plate and in covering contact with said plastic mixture.

2,380,528
RAILWAY CAR
Otto Jabelmann, Omaha, Nebr.; Teresa R. Jabelmann administratrix of said Otto Jabelmann, deceased
Original application December 20, 1940, Serial No. 370,917. Divided and this application August 3, 1942, Serial No. 453,308
1 Claim. (Cl. 105—2)



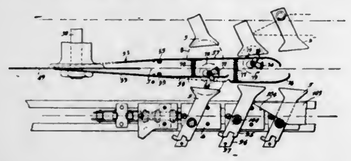
In a vehicle having an underframe and a body including a side wall, a bottom streamlining plate enclosing the undersurfaces of the underframe, and a vestibule step construction comprising the combination of a fixed step mounted between the body and said plate and a movable step assembly having a riser extending upwardy from its top tread and a back streamlining housing for the remainder of its treads and risers, said assembly being pivotally mounted for swinging movement beneath the fixed step between a lower operative position in which said riser substantially engages said fixed step and an upper folded position in which said riser substantially engages the bottom streamlining plate and the back streamlining housing extends continuously from said riser to the side wall of the body, whereby said riser and housing enclose the folded step assembly substantially within the upper and lower limits of the underframe and between the bottom streamlining plate and the body side wall.

2,380,529
WELDING APPARATUS
Vincent G. Jarman, Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1944, Serial No. 517,347
3 Claims. (Cl. 219—4)



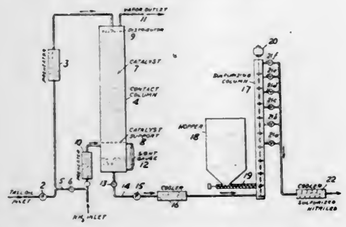
1. A welding apparatus comprising a reciprocable electrode formed to engage a first article which is to be welded to a second article, a base of conductive material, a second electrode formed to receive the second article, rails for supporting the second electrode for movement free of the base between a loading position and a welding position, and means to support certain of the rails adjacent the welding position for movement by the reciprocable electrode for movement of the second electrode into engagement with the base.

2,380,530
CONTINUOUS PEACH PITTER
Percy Jepson, Oakland, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application May 10, 1943, Serial No. 486,325
9 Claims. (Cl. 146—28)



1. The combination in a fruit pitting means of a pair of spaced conveyers moving in general parallel directions, means on each conveyer for holding halves of fruit, a pair of retaining plates engaging the cut surfaces of the fruit halves as they are held by said holding means, each of said retaining plates having a pitting aperture therein, one in advance of the other in the line of travel of the fruit halves carried by said conveyers, and pitting knives one for each aperture and said knives being spaced in the direction of travel of the fruit over the said apertured plates and being operable through said pitting apertures to cut the half pits from the fruit halves as they are moved to position over said apertures by said conveyers, and means for driving the pitting knives in timed relation with the conveyers so that the pit halves are successively cut from the fruit halves when positioned over the said plate apertures.

2,380,531
LUBRICANTS
Samuel Edward Jolly, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Original application June 25, 1943, Serial No. 492,227. Divided and this application October 28, 1943, Serial No. 508,061
4 Claims. (Cl. 252—47)

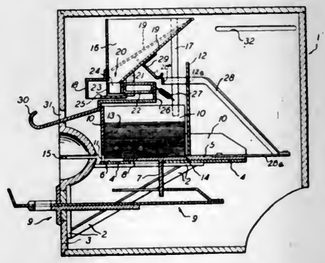


1. A lubricant comprising a major proportion of mineral oil and a minor proportion of oil-soluble sulfurized nitriles free of combined chlorine and formed by reacting sulfur at a temperature not substantially less than 190° C. and under substantially non-polymerizing conditions with nitriles of organic acids having at least 10 carbon atoms and selected from the group consisting of fatty acids and rosin acids, said lubricant being characterized by stability against settlement of sludge after a comparatively long period of aging.

2,380,532
SEPARATION OF MONO- AND DI-ALKYL ESTERS OF SULPHURIC ACID
Henry F. Kohler, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 28, 1943, Serial No. 473,790
4 Claims. (Cl. 260—460)

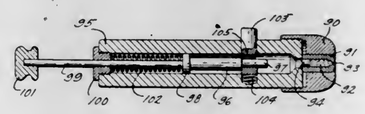
1. A method of separating a mixture of mono- and di-alkyl esters comprising the steps of forming a solution of mono-alkyl sulphates and di-alkyl sulphates in a low boiling hydrocarbon solvent, removing a portion of said solvent from said solution by vaporization and settling to obtain a mono-alkyl sulphate fraction, removing said mono-alkyl sulphate fraction, vaporizing low boiling hydrocarbon solvent from the remainder and settling to obtain a di-alkyl sulphate fraction and removing said di-alkyl sulphate fraction.

2,380,533
DISPENSING DEVICE
Carl E. Lebrecht, San Antonio, Tex.
Application November 28, 1942, Serial No. 467,228
1 Claim. (Cl. 312—80)



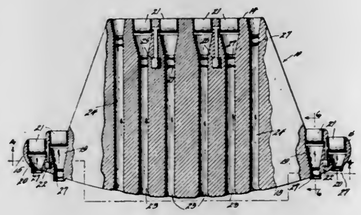
In a dispensing machine, a housing having a dispensing opening in the front wall thereof, a horizontally slidable plate in the housing having an upwardly and forwardly directed arm, a pencil container having a hinged inclined rear wall and spaced at its lower end from the front wall of the container to provide a bottom opening, a horizontally slidable release member having an open top and bottom chamber normally underlying said container opening to receive a pencil, a fixed plate normally covering said open bottom, a downwardly inclined trough plate extending from said stationary plate to said dispensing opening; a downwardly and rearwardly extending plate secured to the said hinged rear wall of the container, said last named plate having an upwardly curved lower end, whereby when said first named plate is moved forwardly said upwardly extending arm rides under said lower curved end of the plate extending downwardly from said container rear wall to rock said rear wall to agitate the pencils in said container, said upwardly extending arm thereafter engaging said release member to move it forwardly so that said open bottom chamber travels past the forward edge of said stationary plate to drop a pencil onto said trough to roll out through said dispensing opening.

2,380,534
HYPODERMIC INJECTOR
Marshall L. Lockhart, Detroit, Mich.
Original application April 26, 1941, Serial No. 390,598. Divided and this application March 15, 1943, Serial No. 479,183
5 Claims. (Cl. 128—215)



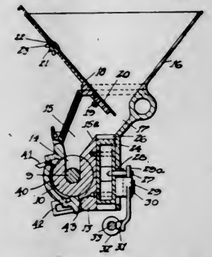
1. A hypodermic injector for use with an ampule having a blunt end with a minute discharge orifice therein, a holder having provision at one end thereof for removably and fixedly holding said ampule in such a way that the blunt end thereof may be operatively positioned adjacent to and externally of tissue into which an injection is to be made, said ampule having a bore adapted to be filled with liquid to be injected into said tissue and a follower in said bore, said holder having a plunger arranged to strike said follower and impart thereto a sharp blow, energy-storing means for propelling said plunger to strike said follower, manually operated provisions by means of which said energy-storing means may be charged, a latch for holding said plunger and energy-storing means in cocked position, said latch including a manually operable member extending transversely of said holder and projecting laterally therefrom, said latch upon actuation of said manually operable member being adapted to suddenly release said plunger so as to transmit energy stored in said energy-storing means to said follower for ejecting said liquid under high pressure from said orifice.

2,380,535
AIRCRAFT
James E. McDevitt, Brooklyn, N. Y.
Application October 27, 1941, Serial No. 416,717
4 Claims. (Cl. 244—12)



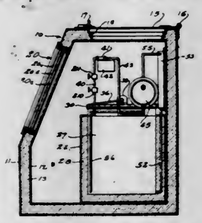
1. In aircraft of the heavier-than-air type, a body portion having the general contour of a lifting airfoil and having a plurality of spaced passages extending therethrough from front to rear, means in each said passage for propelling a stream of air therethrough, and adjustable lifting airfoils disposed immediately behind the rearward ends of certain of said passages and lying in the paths of the air streams through the associated passages, said propelling means being constructed and arranged to force air rearwardly through said passages having air foils associated therewith, and to force air forwardly through the other passages upon take-off and landing.

2,380,536
FEED FOR PLASTIC MOLDING MACHINES
Frederick W. McIntyre, Worcester, Mass., assignor to Reed-Prentice Corporation, Worcester, Mass., a corporation of Massachusetts
Original application October 14, 1937, Serial No. 168,987. Divided and this application February 17, 1941, Serial No. 379,157
1 Claim. (Cl. 18—30)



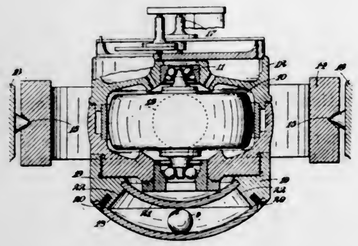
In a plastic molding machine, a casing having a substantially horizontal bore therein, a horizontally movable plunger in said bore for directing plastic material into a die cavity, at the end of movement of said plunger in one direction, a passage in said casing and communicating with said bore, a vertical plunger positioned adjacent to said first plunger and movable in a bore communicating at its upper end with the passage at a point above the horizontal bore, where, upon vertical movement of the second plunger, a predetermined amount of material is discharged from on top of the vertical plunger into the passage, and means for moving said vertical plunger in proportion to the movement of the horizontal plunger to cause said vertical plunger to deliver said material on top of the horizontal plunger, while the latter is in position to close the bottom of said passage.

2,380,537
MEANS FOR REFRIGERATION
Maurice Handscom McMechan, Yakima, Wash., assignor to Western Products Company, Inc., Yakima, Wash., a corporation of Washington
Application December 20, 1938, Serial No. 246,837
5 Claims. (Cl. 62—91.5)



1. In a refrigerating system, a medium to be cooled, a closed container for an evaporable refrigerant, a gas vented tank containing a supply of liquid cooling medium, a pipe system connected with the tank providing a one-way liquid circuit passing in heat exchange proximity to the medium to be cooled and to the refrigerant, a back check valve in the pipe line at one side of the refrigerant container, and means for discharging gas under pressure from the container into the pipe system at one side of the valve to dispel the cooled liquid therefrom into the tank; said back check valve being adapted to open when pressure of gas is removed by reason of its exhaustion into the tank, to permit recharging of the pipe system with liquid from the tank.

2,380,538
BOTTOM-HEAVY GYROSCOPE
Frederick William Meredith, London, England, assignor to S. Smith & Sons (England) Limited, a British company
Application February 21, 1944, Serial No. 523,342
In Great Britain May 19, 1943
2 Claims. (Cl. 74—5)



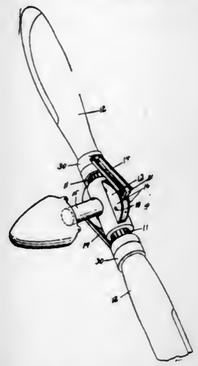
1. A gyroscope comprising a rotor, a mounting for attachment of the rotor to a support and arranged to permit pivotal movement of the rotor axis about two axes transverse to one another and to the vertical, a cup-shaped member secured to said mounting beneath said transverse axes with its mouth directed upwardly, the lower part of which cup is spherical having its centre of curvature at the point of intersection of the transverse axes, a ball in said cup and a peripheral abutment face on said cup for limiting the extent of movement of the ball in relation to the cup.

2,380,539
SHARPENING INSTRUMENT.
Bernard Mark Miller, Sheffield, England
Application January 21, 1944, Serial No. 519,126
In Great Britain December 9, 1943
2 Claims. (Cl. 51—205)



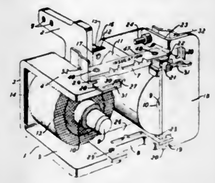
1. A device for sharpening carving knives comprising a brass body of rod-like form having four longitudinal grooves therein, a mass containing silicon carbide or other suitable abrasive bonded to the surface of each of said grooves, the granular size of the abrasive in two of said grooves diametrically oposed to each other being greater than the granular size of the abrasive in the other two grooves and the surfaces of the masses projecting beyond the surface of the body member.

2,380,540
AUTOMATIC AREA CONTROL PROPELLER
Herman W. Mollenhauer, Toddville, Iowa
Application November 9, 1942, Serial No. 464,947
4 Claims. (Cl. 170—160)



1. In a device of the class described, a hub rotatably and freely mounted on a shaft, propeller blades slidably mounted within the hub, a gear on the drive shaft, an internal planetary gear and an idler gear rotatably mounted on said hub and operatively connecting said drive gear and said planetary gear, and link means connecting said planetary gear to the blades to control the movement of said blades.

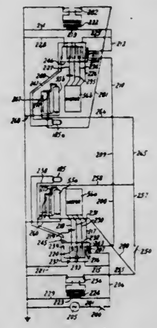
2,380,541
RELAY
Edmund R. Morton, Brooklyn, N. Y., assignor to Bell Telepohne Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1941, Serial No. 412,364
12 Claims. (Cl. 200—98)



1. A relay assembly comprising a channel-shaped field piece, two cores secured to its base and extending forwardly between the flanges thereof, a relay coil supported on each of said cores, armatures attractable to the forward pole edges of the flanges of said field piece and to the ends of the respective cores, a bracket struck out from the central portion of said field piece and lying in a plane perpendicular to the plane of the upper flange of said field piece and a single spring pile-up supported on said bracket, certain of the springs of which are operable by the armature associated with one core and certain of the springs of which are operable by the armature associated with the other core.

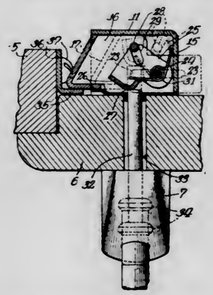
2,380,542
SYNCHRONIZING AND PHASING SYSTEM
George V. Nolde, Berkeley, Calif.
Application May 5, 1943, Serial No. 485,732
8 Claims. (Cl. 172—293)

4. In a system for synchronizing and phasing a first rotatable member and a second rotatable member, a first alternating current synchronous motor having a predetermined number of poles and operable to rotate said first member, a second alternating current synchronous motor having the same predetermined number of poles and operable to rotate said second member; in combination with, two clutches each including a engagement member having a plurality of engage-



ment elements thereon which are equal in number to even multiples of the number of poles of said motors, the first of said two clutches being interposed between said first motor and said first member, and the second of said two clutches being interposed between said second motor and said second member, and means operable to cause simultaneous engagement of said two clutches.

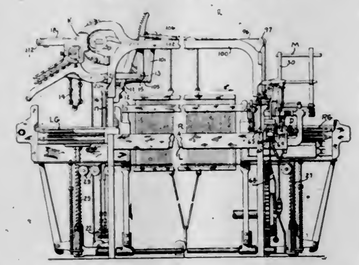
2,380,543
LATCH
Martin Ostrom, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application September 18, 1943, Serial No. 502,867
2 Claims. (Cl. 292—166)



1. A latch comprising a housing open at one end and provided at the other end with guide slots, a bolt slidable within said housing and provided with a head presenting an inclined surface and a latching surface projecting beyond the open end of said housing, the bolt having spaced apart unconnected side walls projecting from said head rearwardly through said guide slots, each of said side walls being provided with an elongated slot, a pin anchored in and extending transversely of said housing through said elongated slots, an operating member pivotally mounted on said pin, a coil spring mounted on the pin so as to engage said housing and said operating member to thereby bias said member in one direction, a pin and slot connection between said operating member and said bolt whereby a straight line

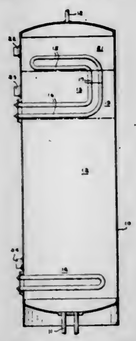
movement is imparted to the bolt upon rotative movement of the operating member, and means projecting into said housing between the side walls of said bolt whereby said operating member may be actuated to operate said bolt.

2,380,544
WEFT REPLENISHING, PICK-AND-PICK, FILLING MIXING LOOM
Albert Palmer and Elliot A. Santon, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 6, 1943, Serial No. 481,960
13 Claims. (Cl. 139—232)



1. In a weft replenishing loom having shuttle boxes at one end thereof which are shifted with respect to the lay by an actuator mechanism, a magazine having a plurality of stacks of reserve bobbins, a bobbin releaser for each stack, a selector for the releasers common thereto and capable of movement to as many different positions as there are stacks of bobbins, one for each of said releasers, to register with the latter one by one and in a given sequence, a cam having as many different steps as there are stacks of bobbins, means operatively connecting the cam to said selector to move the latter according to said sequence as said cam moves, and an operator for the cam deriving an operating force from said actuator mechanism when the latter shifts the shuttle boxes to cause said selector to move according to said sequence.

2,380,545
WATER HEATING APPARATUS
Edmund G. Pankow, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1943, Serial No. 476,829
8 Claims. (Cl. 219—38)

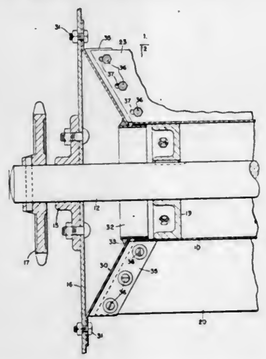


2. In liquid heating apparatus, the combination of a tank, means for heating the liquid including spaced upper and lower heating elements in the tank, said upper heating element having upper and lower portions disposed in superimposed zones in the upper region of the tank, and thermostatic means responsive to the temperature of the liquid in both of said zones for controlling energization of the heating means.

2,380,546
ANTIOXIDANTS
Wilbur I. Patterson and Martin B. Williamson, Chagrin Falls, Ohio, assignors to S. M. A. Corporation, Chicago, Ill., a corporation of New Jersey
No Drawing. Application August 21, 1943, Serial No. 499,572
5 Claims. (Cl. 252—398)

1. The process of preparing an antioxidant from rice bran concentrate comprising extracting said concentrate with a halogenated hydrocarbon solvent having a boiling point below 100° C., extracting the resulting extract with an aqueous medium under alkaline conditions, re-extracting the thus obtained aqueous extract under acidic condition with said halogenated hydrocarbon solvent and distilling off said solvent from the resulting extract.

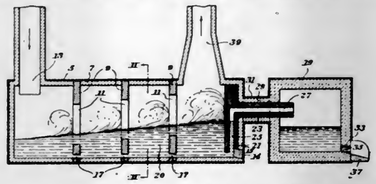
2,380,547
COMBINE
Harold W. Pilcher, Rock Island, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 29, 1942, Serial No. 445,403
7 Claims. (Cl. 198—213)



1. In a machine of the class described, a feeder house having an end wall, an auger conveyor extending into said feeder house and adapted to convey crop into said feeder house towards said end wall, a cone mounted in fixed position on said side wall in line with said auger and against which said auger delivers crop, said cone functioning to urge the crop delivered thereagainst radially outwardly of the auger, a blade mounted on the delivery end of said auger, and a wiper along the end of said blade and having wiping engagement with the surface of said cone.

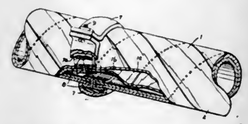
2,380,548
ZINC CONDENSER
Augustin Leon Jean Queneau, Morristown, N. J., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application April 16, 1942, Serial No. 439,266
3 Claims. (Cl. 266—17)

1. A condenser for condensing the zinc content of high velocity zinc vapor-gas streams from a blast furnace using pure oxygen as the supporter of combustion of reduction reactions, which comprises in combination, a condenser environment having refractory walls, an inlet for the zinc vapor-gas stream, partition means extending transversely across the condensing environment dividing the environment into sections, bottom ports in each of the partition means providing



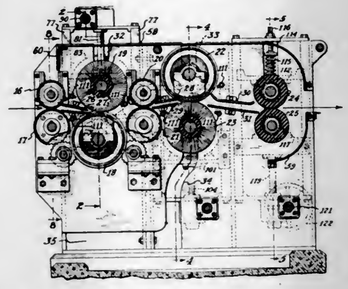
communication from one of the said sections to adjoining sections, thereby enabling formation of a continuous pool of condensed molten zinc extending throughout the bottom of the condenser environment, and openings in the said partition means for subdividing the incoming zinc vapor-gas stream into a multiplicity of smaller high velocity streams.

2,380,549
TUBULAR CONSTRUCTION
Orval Rasor, Portland, Oreg.
Application November 3, 1941, Serial No. 417,591
2 Claims. (Cl. 138—79)



1. A hollow tubular unit comprising a wood veneer wall composed of a plurality of laminations, U-shaped headers overlying and straddling the ends of said unit, said headers having internal wall surface converging relatively toward the open face of said header, and an annular wedge member arranged at each end of the tubular unit and extending between laminations and lying within the confines of the header at said end, said wedge members being unconnected with said headers.

2,380,550
MEANS FOR CLEANING METAL SHEETS
Eo Reed, Zanesville, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application November 7, 1941, Serial No. 418,227
6 Claims. (Cl. 15—4)



2. In a machine of the character described, a housing, a pair of pinch rolls, a rotary brush and an opposed supporting roll, a pair of pinch rolls, a rotary brush and an opposed supporting roll, and a pair of wiping rolls, said elements being arranged in the order named, said brushes being arranged respectively to contact upper and lower surfaces of sheet material passing through said machine, said supporting rolls being provided with magnetic means to bind the sheet material to their surfaces over areas at least as great as the areas of operation of said brushes, and means engaging the material between the pairs of rolls hereinabove set forth, said magnetic means being limited in area to release said material to said engaging means, and means for driving a roll of each of said pinch roll pairs, said supporting rolls and a roll of said wiping roll pair at the same peripheral speeds, said driving means comprising a motor and a gear drive from said motor to a roll of each of said pinch roll pairs and to one of said supporting rolls, and a second motor drive for the second of said supporting rolls, said motor drives being synchronized.

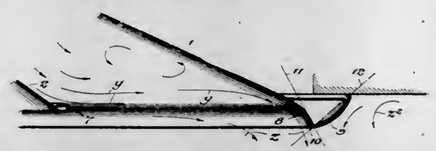
2,380,551
POLYMERIZATION IN AQUEOUS EMULSION
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 27, 1941, Serial No. 385,495
3 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing butadiene in aqueous emulsion in a vessel in which the surfaces contacting the emulsion during the polymerization are constructed of an alloy containing 80% to 70% of nickel, 15% to 20% of chromium, and 5% to 10% of iron.

2,380,552
POLYMERIZATION IN AQUEOUS EMULSION
Waldo L. Semon, Silver Lake, and William D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 21, 1941, Serial No. 415,935
3 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing butadiene in aqueous emulsion in a ferrometallic vessel having a coating of insoluble iron phosphates on its inside surfaces contacting the emulsion during the polymerization.

2,380,553
AIR OUTLET DEVICE
Maurice Serre, John B. Hewett, and Edward A. Schaefer, New York, N. Y., assignors to Anemostat Corporation of America, a corporation of Delaware
Application March 28, 1941, Serial No. 385,754
9 Claims. (Cl. 98—40)



1. In an air outlet device, an open-ended, hollow, forwardly flaring member, a second annular, forwardly flaring member within said first mentioned member spaced therefrom to provide be-

tween said members an open-ended annular air passageway flaring forwardly and outwardly relative to the longitudinal axis of the device, means for the supply of air to said passageway through the rear open end thereof, and a ring separate from said first mentioned flaring member attached thereto and affording a wall at the front thereof disposed at a lesser angle to the longitudinal axis of the device than the rear portion of said member and in the path of flow of supplied air flowing through said passageway to intercept supplied air flowing through said passageway and to cause it to be delivered from the front of the device at a lesser angle to the longitudinal axis of the device than during its flow through the rear portion of said passageway.

2,380,554

POLYMERIZATION IN AQUEOUS EMULSION

Frank K. Schoenfeld, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application November 21, 1941, Serial No. 419,943

3 Claims. (Cl. 260—84.5)

1. The method which comprises preparing an aqueous emulsion comprising butadiene-1,3, bringing the emulsion so prepared into contact with a surface consisting of a water-insoluble higher oxide of iron and polymerizing the butadiene-1,3 in the emulsion while the emulsion is in contact with the surface, whereby the polymerization proceeds at a rate which is unretarded by the surface and the surface remains substantially free of adherent polymer throughout the polymerization.

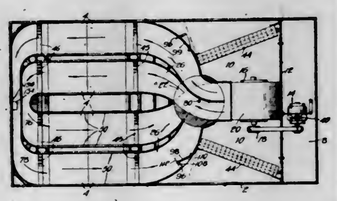
2,380,555

DEHYDRATING APPARATUS

William Jessup Sholar, New Rochelle, N. Y.

Application August 19, 1942, Serial No. 455,289

11 Claims. (Cl. 34—53)



5. A dehydrating apparatus comprising in combination a housing, an air blower in said housing, a plurality of trucks movable into engagement with one end of said housing, a header movable into engagement with the ends of the trucks, said housing, trucks and header providing dual air passageways communicating with said blower, exhaust ports at each end of said passageways, closures therefor, recirculating ports at each end of said passageways communicating with said blower, closures for said recirculating ports, a rotary valve intermediate said blower and the ends of said passageways, time controlled means for imparting a partial rotation to said valve whereby to reverse the direction of air from said blower through said passageways at predetermined intervals and for actuating the exhaust port closures and recirculating port closures to close said ports at one end of the passageways and open the ports at the other end of the passageways.

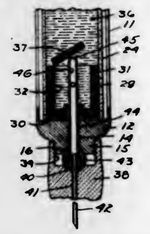
2,380,556

SYRINGE DEVICE

Arthur E. Smith, Los Angeles, Calif.

Application May 27, 1944, Serial No. 537,598

1 Claim. (Cl. 128—218.1)



A hypodermic syringe including a barrel having a rear member, a plunger slidable in the rear member, said barrel having a front closure member at its front end, said barrel adapted to receive without opening, and retain an ampule seated in said barrel, said ampule having a piston cork in its rear end engageable by said plunger and a second cork in its front end, said ampule containing a fluid between said corks, said second cork having an inwardly opening recess and having a piercable diaphragm portion forming the outer wall of said recess, a forceable disc in said second cork and spaced from said diaphragm, a medicinal pellet in said second cork recess, said front closure member having a threaded portion, a removable tip having a threaded portion adapted to engage the threaded portion of said front closure member, said tip having a bore therethrough, a needle arranged in said bore, an enlarged tubular member mounted on the inner end of said needle and communicating therewith and a sealing ball mounted upon said needle and said tubular member at their junction and sealing the same, said tip having a curved portion adjacent its upper end, the lower portion of said ball resting within said curved portion, said front member having a curved recess, and a bore adapted to receive said tubular member until the upper portion of said ball is positioned within said curved recess, said tubular member having a closed upper end and at least one opening in its side walls, said tubular member being of a length and strength to pierce and extend through said diaphragm and to engage and force said disc away from said second cork to thereby open the ampule seated in the barrel.

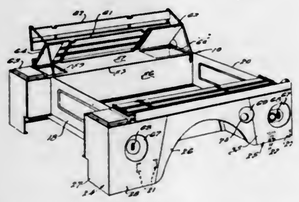
2,380,557

VEHICLE BODY UNIT

Rex A. Terry, Berkeley, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application November 15, 1943, Serial No. 510,294

7 Claims. (Cl. 296—24)



4. In a motor vehicle body unit including a floor structure and transversely disposed sills

having portions thereof respectively extending laterally beyond opposite extremities of the floor structure; front and rear unitary corner sections at either side of said floor structure supported by said sill portions, each of said sections defining an end wall panel and a side wall panel, a side wall panel extending between and aligned with said side wall panels and secured thereto; a unitary section extending between and secured to the end panels of a pair of front and rear unitary corner sections projecting above said floor structure and cooperating with said pair of front and rear unitary corner sections to define a box-like structure; and a pair of unitary structural parts respectively associated with said pair of front and rear unitary corner sections each including a horizontal portion received within the confines of the associated corner section and said unitary section and supported on the lateral extension of one of said sills, and a generally upright portion each constituting a partition wall for said box-like structure.

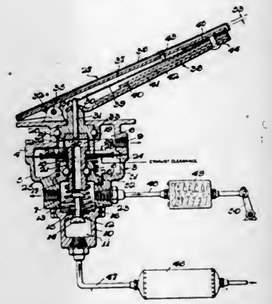
2,380,558

FLUID PRESSURE CONTROL MECHANISM

Thomas J. Turek, Elyria, Ohio, assignor to Bendix-Westinghouse Automatic Air Brake Company, Elyria, Ohio, a corporation of Delaware

Application May 3, 1943, Serial No. 485,499

19 Claims. (Cl. 303—54)



1. In combination with a self-lapping valvular mechanism having a casing, inlet and outlet valves in said casing, an assembly for actuating said valves including a pair of relatively movable members, control means for actuating said assembly comprising a pedal pivotally mounted on said casing, a plate pivotally mounted on said casing, and means for operatively connecting said control means with said assembly to cause actuation of said valves upon movement of said control means.

2,380,559

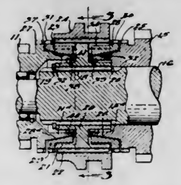
BLOCKER SYNCHRONIZER

John G. Tyken, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 11, 1941, Serial No. 410,399

5 Claims. (Cl. 192—53)

1. In a synchronizing device of the character described, a first rotatable structure including external clutching teeth and a hollow terminal part having an external friction surface and an end face, a second rotatable structure having external teeth, a blocker member mounted on said hollow part having a friction surface engageable with the aforesaid friction surface and blocker teeth axially between the teeth of said first and second structures, means for driving said blocker member from said second structure with clearance accommodating limited rotation of the blocker member relative to said second structure, a sleeve having internal teeth engaging the external teeth of said second structure and shiftable to clutchingly engage the teeth of said first structure, the ends of said blocker teeth engaging the ends of the teeth of said sleeve and preventing



shift of said sleeve into said clutching engagement prior to approximate synchronization of said structures, and a single ring-like member so frictionally engaged with the internal surface of said hollow part as to rotate with said first structure and having a part thereof overlapping said end face and engaged in thrust transmitting relationship with said blocker member to yieldingly thrust the latter axially with respect to the direction of rotation of the first friction surface.

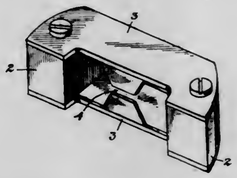
2,380,560

PERMANENT MAGNET

Noel Urquhart, Stewart Manor, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York

Application June 11, 1942, Serial No. 446,601

4 Claims. (Cl. 175—21)



1. A permanent magnet structure adapted for use with pole pieces, said structure comprising a body made of magnetic material and having sides and pole faces, a non-corrosive, non-magnetic coating for the sides of said body, and a non-corrosive magnetic covering for each of said pole faces forming a permanent part thereof and adapted for contact with said pole pieces.

2,380,561

REFINING AROMATIC DISTILLATES

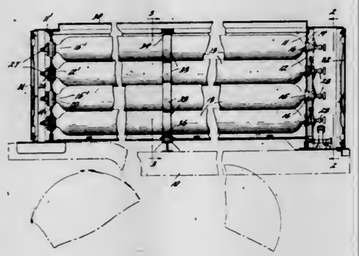
Francis T. Wadsworth, Texas City, Tex., assignor to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 8, 1943, Serial No. 513,494

2 Claims. (Cl. 260—674)

1. The process of improving the acid wash color stability of acid refined toluene which originally possessed a satisfactory acid wash color but which has deteriorated in storage which comprises treating said deteriorated toluene with a small amount of maleic acid in the range of above .005% and below 0.1% based on the weight of toluene treated.

2,380,562
TRANSPORT VEHICLE
James A. Watson, Jr., Silver Spring, Md.
Application April 27, 1943, Serial No. 484,754
6 Claims. (Cl. 280—5)



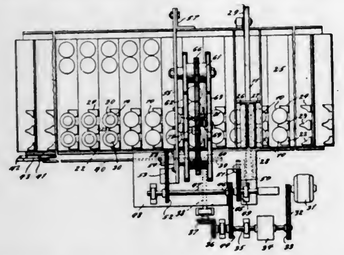
1. In a vehicle, a framework, a spaced pair of rigid supporting structures secured transversely of said framework, each said structure including a platelike member lying in a vertical plane, each said plate-like member having a series of spaced apertures, and a series of elongated containers extending between and supported by said plate-like members, each end of each said container extending through one of said apertures, and means acting between each said container and said plate-like members for removably securing said containers to said members, said last means comprising internally tapered collars, and said containers having externally tapered necks at either end for engagement with said collars.

2,380,563
PROCESS FOR THE PREPARATION OF CAPRYL SALICYLATE
Stephen J. Wayo, Whiting, Ind., and Franklin M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 13, 1942, Serial No. 442,864
6 Claims. (Cl. 260—474)

1. In the process of preparing capryl salicylate by heating a substantially anhydrous mixture of capryl alcohol and methyl calicylate in the presence of a catalyst whereby the methyl radical of the ester is replaced by the octyl radical of the capryl alcohol and methyl alcohol is liberated and expelled from the zone of reaction substantially as rapidly as formed, the improvement comprising heating a mixture of methyl salicylate and capryl alcohol to a temperature well above the boiling point of water, adding thereto a minor proportion of sodium hydroxide and maintaining the temperature of the mixture during the reaction well above the boiling point of water but below that at which substantial dehydration of the alcohol would occur.

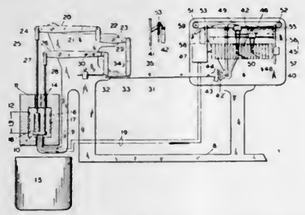
2,380,564
CAKE SLITTING MACHINE
William Wennmann, Baltimore, Md., assignor to Ward Baking Company, New York, N. Y., a corporation of New York
Application July 26, 1944, Serial No. 546,719
9 Claims. (Cl. 146—72)

1. Apparatus for removing the upper parts of cakes for filling which comprises a cake conveyor having means for holding cakes at regularly spaced intervals thereon, means for advancing said conveyor step by step to bring successive cakes to position for filling, a slicing knife spaced above said conveyor to slice cakes carried thereon into upper and lower parts, a conveyor positioned



transversely above said cake conveyor, an arm carried by said transverse conveyor to pass above said cake conveyor in position to engage and push sidewise the upper part of a cake after slicing and a common driving means for said conveyors.

2,380,565
DILATOMETER
Charles F. Wetherbee, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application May 12, 1943, Serial No. 486,678
13 Claims. (Cl. 73—16)



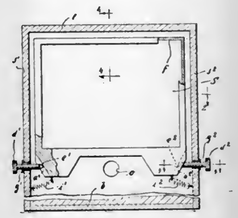
1. In a dilatometer having a heating furnace, a supporting member projecting from outside the furnace to a position therein without touching the furnace and adapted to support within the furnace a specimen to be tested, an exhibiting instrument, connecting means comprising an element abutting upon said specimen and extending outside the furnace and a linkage adapted to impart to said instrument motion representative of displacement of the point of contact between said specimen and said element, and further connecting means comprising a second element abutting upon said supporting member and parts connected to said linkage to superimpose on the motion of the same a motion representative of the displacement of said support and in a sense to eliminate from the motion imparted to said instrument a component representative of said last-named displacement.

2,380,566
METHOD OF CONDITIONING MOLTEN BeCONTAINING ALLOYS FOR CASTING
Francis O'Neill Wyllie, Reading, Pa., assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa., a banking institution of Pennsylvania
No Drawing. Application December 13, 1941, Serial No. 422,876
5 Claims. (Cl. 75—76)

1. The method of preparing molten beryllium-copper alloys for casting which comprises heating

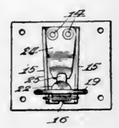
the molten metal to temperatures materially above the melting point of the alloy, blowing the molten metal with oxygen for a time interval at least sufficient to eliminate therefrom substantially all of the hydrogen content thereof, maintaining the alloy throughout the oxygen blow at a temperature in excess of about 1900° F., and deoxiding the blown molten metal with a deoxidizer agent comprised at least in part of a metal of the group consisting of the alkali and alkaline earth metals before casting and solidifying the alloy.

2,380,567
COMPARATOR DEVICE
Murray Yawitz, New York, and Ignaz F. Suwa, Jackson Heights, N. Y., assignors to Fish-Schurman Corporation, New York, N. Y., a corporation of New York
Application March 22, 1944, Serial No. 527,526
3 Claims. (Cl. 88—24)



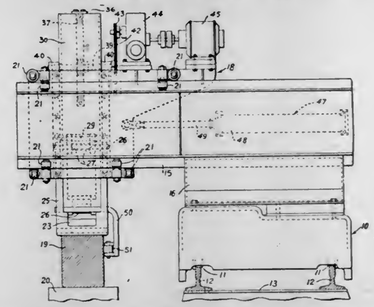
1. In an optical comparator device including a radiation impermeable hood, a translucent screen disposed in closure position in an opening in one wall of said hood, and means to project a shadow image of an object to be compared upon the inner surface of said screen, an improved means to move said screen laterally in all directions in a fixed plane normal to the axis of projection of said shadow image thereby to bring a drawing fixedly located upon the front face of said screen into comparative position with the shadow image on the rear face of said screen, said improved means comprising a channel frame for said screen, the depth of said frame being sufficient to cover the screen edges in all positions of lateral movement, beveled corners on the bottom of said screen, adjustable thumb screws passing through the bottom walls of the channel frame with the forward ends thereof engaging said beveled corners, and spring means maintaining the said screen in contact with said forward screw ends in all positions of forward and rearward adjustment provided therein.

2,380,568
FASTENER
Arthur R. Adams, Glendale, Calif.
Application January 21, 1944, Serial No. 519,118
6 Claims. (Cl. 85—5)



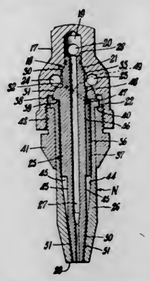
1. In a fastener, a housing including a cover plate having an opening, a pair of jaws pivoted on the underside of said cover plate and extending across the opening therein, a spring secured at one end with its free end underlying said jaws, said opening and means mounted for rotation on said cover plate for spreading said jaws apart and a lip on said jaws spreading means, which lip extends beneath the free end of said spring.

2,380,569
BILLET SURFACING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1942, Serial No. 440,050
4 Claims. (Cl. 266—23)



1. In a billet surfacing machine including a base, a horizontal cantilever bearing arm rigidly mounted on the base and projecting laterally therefrom, torch-supporting elements supported from said bearing arm including a frame mounted to travel rectilinearly along said bearing arm, a vertical guide on said frame and a supporting slide mounted to move vertically and rectilinearly along said guide on the frame and movable transversely as a unit with the frame, torch means mounted on the slide adapted to project jets of oxidizing gas against the top surface of the billet on which the machine is operating and a contact member connected to one of said elements and located in position to contact with a vertical side face of the billet for controlling the transverse adjustment of the frame on the arm; the improvement which comprises means acting on one of said elements for yieldingly urging said frame to move transversely along the bearing arm in the direction that holds the contact member against the side of the billet.

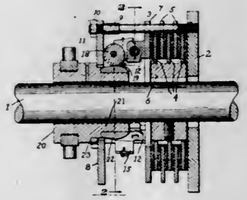
2,380,570
BLOWPIPE NOZZLE
Roger S. Babcock, Plainfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application June 21, 1941, Serial No. 399,074
6 Claims. (Cl. 158—27.4)



1. A blowpipe nozzle comprising a generally tubular body having an axial oxidizing-gas pas-

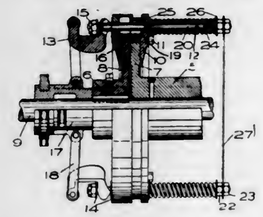
sage extending from the inlet end to the outlet end of the nozzle; said tubular body being provided on its inlet end with a circumferential engaging portion having one annular seat surrounding said oxidizing-gas passage, another annular seat axially spaced from said first annular seat and also surrounding said oxidizing gas passage, and a pair of eccentrically arranged preheating-gas inlets at the same transverse level about said portion and between said annular seats, said preheating-gas inlets being angularly separated from each other by laterally disposed seats; said body having a mixed preheating-gas chamber located between the ends of the nozzle, and mixed preheating-gas discharge passage means extending from said chamber to said outlet end of the nozzle; said body also having a preheating-gas mixing passage discharging into said chamber, with the inlet end of said mixing passage spaced from said preheating-gas inlets; and said body having one preheating-gas passage connecting one preheating-gas inlet to the inlet end of said preheating-gas mixing passage, and another preheating-gas passage connecting the other preheating-gas inlet to said inlet end of the preheating-gas mixing passage, at least one of said preheating-gas passages being inclined with respect to said mixing passage.

2,380,571
CLUTCH
John T. Barron, Boston, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts
Application April 14, 1943, Serial No. 482,988
6 Claims. (Cl. 192—111)



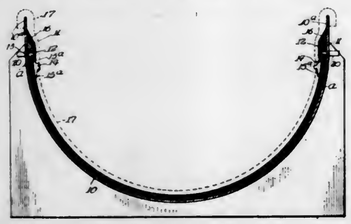
1. A clutch comprising a pair of members to be coupled, one of said members including an annular backing element, a plurality of bolts threaded into said backing element in parallel with the axis of said other member, a set of clutch plates, some of said clutch plates being slidably mounted on said bolts and some of said clutch plates being slidably supported on said other member, and thrust means to clamp said clutch plates together, said thrust means comprising a thrust plate fixed on said bolts but permitting said bolts to be adjusted to vary the relation of said thrust plate to said backing element thereby to adjust the torque capacity of the clutch, a pressure plate slidably carried by said bolts between said thrust plate and said clutch plates, and thrust members interposed between said pressure and thrust plates to have a normal inoperative position and an operative position in which they react against said thrust plate to effect a clutch engaging thrust on said pressure plate, and operator controlled means slidably supported by said other member to carry said thrust members from their inoperative to their operative position.

2,380,572
DISENGAGEABLE SLIP CLUTCH
John T. Barron, Boston, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts
Application March 10, 1944, Serial No. 525,863
4 Claims. (Cl. 192—68)



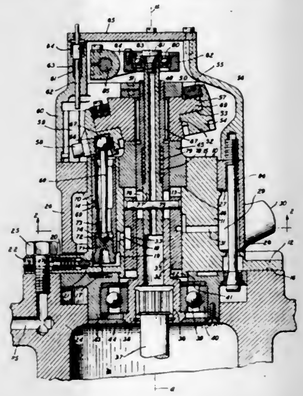
1. In a clutch, shifter means having an operative and an inoperative position, driving and driven clutch elements one of which is slidable with reference to the other, and means operable by said shifter means to clamp said clutch elements together, said means comprising supports slidably carried by one of said clutch elements in parallel with its axis, a spring constrained on each of said supports, and a clamping element slidably carried by said support to engage with the other of said clutch elements, said clamping element and said supports being positioned relative to each other when said shifter means is operatively positioned to cause said support carrying clutch element to unseat said springs so that they provide clamping pressure on said clutch elements determining the torque capacity of the clutch and being inoperatively positioned relative to each other by the seating of said springs when said shifter means is in its inoperative position.

2,380,573
APPARATUS FOR FABRICATING PLYWOOD STRUCTURES
Raymond L. Beasecker, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich., a corporation of New York
Application April 10, 1943, Serial No. 482,574
6 Claims. (Cl. 144—281)



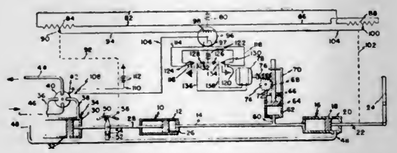
1. Apparatus for molding plywood comprising a rigid die or mold member, means forming channels along the margins of said member for receiving and lapping the margins of superposed sheets of veneer for forming the plies, means removably fitting in the channels for clamping the margins of the superposed sheets in the channels together and to said member as they are progressively assembled on said member, an elastic blanket fitting over the exposed face of the superposed plies and overlying and projecting beyond the channel-forming means, and means for securing the marginal portion of the blanket to said member around the channel-forming means.

2,380,574
FUEL INJECTION PUMP
Louis Beeh, Long Meadow, Mass., John O. Forster, Long Island City, N. Y., and Wolfgang E. Meyer, New Haven, Conn., assignors to Bulova Watch Company, New York, N. Y., a corporation of New York
Application September 27, 1944, Serial No. 555,974
10 Claims. (Cl. 103—173)



1. In a pump of the type described a substantially tubular block including a flange at one of its ends and embodying in its wall a plurality of pump barrels parallel to the block axis and closed at their ends adjacent said flange, plungers reciprocatable in said barrels, a drive including a shaft extending coaxially through said block and means attached to said shaft outside the other block end to reciprocate said plungers, and means in connection with said shaft outside the flanged block end and bearing upon said flanged block end to transmit thereto axial reactions of plunger pressures.

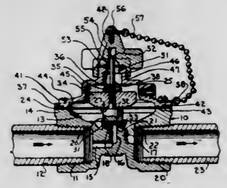
2,380,575
HYDRAULIC COMPENSATION SYSTEM
David H. Brown, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 30, 1942, Serial No. 449,085
6 Claims. (Cl. 60—54.5)



1. A fluid control system comprising driving means, driven means, fluid connection means between said driving and said driven means, a fluid chamber connected to one of said means, and electrically controlled temperature changing means for said chamber to register said driving and said driven means.

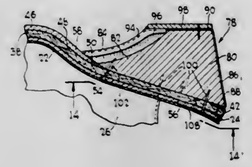
4. A fluid actuating system comprising: driving means, driven means, a fluid connection between the driving and driven means whereby said driven means is moved in response to movement of said driving means, compensating means normally responsive to movement of said driven means to vary the volume of fluid in the system in direction to stop said movement, and means interlocked with said driving means for disabling said compensating means during movement of said driving means.

2,380,576
CUTOFF VALVE
William C. Buttner, Winnetka, Ill., assignor to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois
Application November 29, 1940, Serial No. 367,762
11 Claims. (Cl. 137—153)



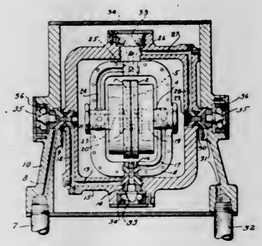
1. In an automatic cut-off valve the combination of two rectilineally co-operating valve elements, a valve body and a bonnet, a diaphragm between the body and bonnet controlling the action of the valve elements with one of the valve elements abutting the diaphragm, means for normally closing the valve members, a stem on one of the members extending through the bonnet, said bonnet and stem being so constructed and arranged that angular movement between the valve elements may be had to open the valve by manipulating the stem to provide such movement, means for sealing the bonnet when the stem extends through it constructed and arranged to suggest manual removal, and means for guiding the stem when said sealing means is in place.

2,380,577
SHOE
Dominick J. Calderazzo, Dolgeville, N. Y.
Application July 25, 1942, Serial No. 452,312
15 Claims. (Cl. 36—19)



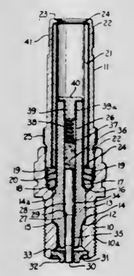
1. A playshoe comprising an insole, an upper, a midsole having heel, shank and fore portions, a heel comprising a rear portion and a raised cantilever shank portion which underlies substantially all of the shank portion of said midsole, and a pretrimmed outsole predominantly comprising a wear portion underlying the foreportion of said midsole, the rear of said outsole extending up to the tip of said cantilever heel shank portion and having a sole extension sandwiched between the tip of said cantilever shank portion and the shank of the midsole.

2,380,578
GYRO WHEEL AND MEANS FOR DRIVING SAME
Bert G. Carlson, Erieside, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application November 20, 1942, Serial No. 466,271
4 Claims. (Cl. 74—5)



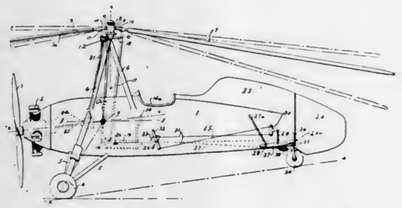
1. In combination in a gyro assembly including a gyro rotor mounted in bearings to rotate about a stationary shaft, an inner gimbal frame for carrying said shaft, said inner gimbal being mounted in bearings for rotation in an outer gimbal frame which is mounted in bearings for rotation in a stationary frame, a pressure lubrication system for supplying pressure oil in passages through bearings of said gimbal frames for lubricating purposes, said shaft having a longitudinal passage therein to admit said pressure oil through said gimbal frames, said rotor having a series of internal tangentially extending buckets, a passage in said shaft extending outwardly to deliver said pressure oil angularly with respect to said buckets to impinge thereon to cause said rotor to rotate, an offset longitudinal discharge passage in said shaft parallel to said intake passage and leading to the discharge passages of said gimbal frames, said shaft having a radially inwardly extending passage leading from said buckets to said discharge passage.

2,380,579
SPARK PLUG
Chester Cipriani, Toledo, Ohio
Application June 16, 1942, Serial No. 447,211
14 Claims. (Cl. 123—169)



1. A spark plug comprising a hollow ceramic insulator and a sectional electrode positioned in the insulator, a portion of said sectional electrode comprising a sealing body in said hollow insulator consisting of a compacted body of a mixture of powdered insulating material and a conducting material interspersed therein.

2,380,580
ROTOR-EQUIPPED AIRCRAFT
Juan de la Cierva, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application December 6, 1932, Serial No. 645,985
In Great Britain December 16, 1931
71 Claims. (Cl. 244—18)



1. In an aircraft, a principal means of support in flight comprising a sustaining rotor of the autorotatable-wing type having a substantially vertical rotational axis hereinafter referred to as the rotor axis, means for controllably tilting said rotor axis in relation to the body of the aircraft in at least one generally vertical plane about at least one real or virtual pivot axis, characterized in that any such pivot axis is located above the center of gravity of the aircraft, that the point of intersection of the rotor axis with the projection of the line of resultant aerodynamic reaction of the rotor on a plane containing both the rotor axis and the shortest distance between the rotor axis and said pivot axis is above said pivot axis, and that the said pivot axis is offset from the rotor axis in the direction of the aerodynamic reaction line so that in no condition of forward flight does the rotor axis lie between the aerodynamic reaction line and the said pivot axis, the limiting case in which the said pivot axis passes through the said point of intersection being included.

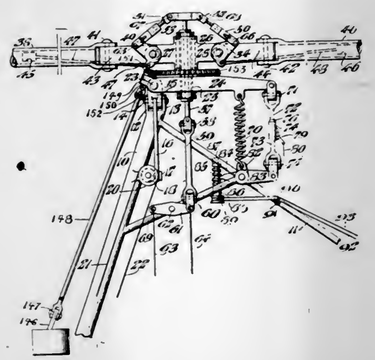
10. In an aircraft, a sustaining and controlling rotor blade system comprising a rotatable aeroform blade normally positioned in flight at positive-lift incidence relative to its general rotational path, pivot mechanism for said blade system incorporating a plurality of pivot axes which provide for blade movements for control purposes as well as to compensate for differential flight forces and minimize gyroscopic effects, said mechanism providing an axis of blade oscillation transverse to the general axis of rotation and a rocking axis approximately intersecting said axis of oscillation, both of said axes substantially intersecting the general axis of rotation, and mechanism for controlling said rotor blade system comprising a pilot's control member mounted for movement in a plurality of planes and coupled with pivoted parts of said system by control connections adapted to effect blade movements which tilt the lift line of said system in like sense to the direction of movement of said member by the pilot.

2,380,581
AIRCRAFT
Richard H. Prewitt, Lansdowne, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application October 11, 1933, Serial No. 693,051
47 Claims. (Cl. 244—18)

1. A rotative-winged aircraft having blades mounted on a central hub and capable of being driven by the relative air flow in flight, means for selectively adjusting the pitch angles of said

blades in flight, a control member operated by the pilot in generally fore and aft and lateral directions for correspondingly controlling the attitude of said aircraft, said selective pitch adjusting means being connected to said control member, and auxiliary means cooperating with said first means for collectively adjusting the pitch angles of said blades, said last mentioned means being located on said control member and arranged to be operated by the pilot in a generally vertical direction independently of movement of said control member.

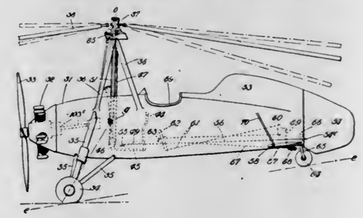
6. In an aircraft, a single sustaining rotor constituting the principal lifting means at least in vertical flight of the craft and comprising a plurality of aeroform blades actuable autorotationally as well as by power, mechanism mounting the blades by their root ends to rotate about a generally upright axis in vertical flight, said mechanism comprising pivotal bearing means providing for pitch change movement of each blade as a unit between a mean autorotational pitch angle and an appreciably higher positive pitch angle and further comprising additional pivotal bearing means providing freedom independently of the operation of the first-mentioned pivotal bearing means for the blades to swing in a direction generally transverse their mean rotative



path of travel, power means for positively rotating the rotor blades at such R. P. M. as to store substantial kinetic energy therein with the blades adjusted to a lowered pitch angle and adapted to accommodate free autorotation of said blades at least for descent without power, and controllable means operative to move the blades uniformly to increased pitch angles whereby to utilize such stored kinetic energy when effecting vertical takeoff of the craft, together with control means operative to shift opposite blades, as a whole, in opposing directions of pitch change, cyclically with rotation of the rotor, whereby to maneuver the aircraft.

14. The method of operating an aircraft, of the type incorporating a system of rotative sustaining blades mounted by pitch change means and by means accommodating vertical blade swinging and capable of autorotative actuation by relative air flow and further incorporating power means for rotating the blades, which method comprises initially utilizing power from said power means to rotate said blades up to a speed substantially in excess of their mean autorotational speed, with said blades at a reduced pitch ineffective to raise the aircraft vertically, maintaining said pitch substantially uniform as to the several blades during the acceleration of rotation of said blades, thereafter raising the blade pitch, uniformly as to the several blades, to such angle as to convert kinetic energy into take-off lift, and controlling the aircraft, at least during the takeoff, by controlling the position of the thrust vector of the rotor blades relative to the center of gravity of the craft.

2,380,582
AIRCRAFT HAVING ROTATIVE WINGS
Juan de la Cierva, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application November 16, 1933, Serial No. 698,372
In Great Britain November 26, 1932
25 Claims. (Cl. 244—18)

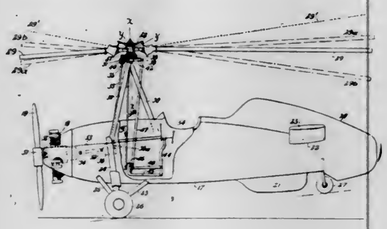


1. In an aircraft, a sustaining rotor comprising a plurality of sustaining blades adapted to rotate about an approximately upright axis and further comprising a hub structure and means providing for swinging movements of the blades generally transversely of their rotative path of travel to accommodate differential flight forces, means mounting the blades on the hub structure providing for bodily shift of each blade as an entirety with respect to the hub for periodic variation of the geometrical pitch settings of the blades on the hub, a pilot's control member movable with respect to the aircraft in at least one azimuth, connections between said member and the rotor adapted to controllably shift the blades on their pitch-varying mountings, said connections being so coupled that the maximum pitch variation of the blades occurs when their longitudinal axes are passing through those quadrants of the rotative path which are at right angles to the azimuth of movement of the control member and that the maximum increase of pitch is effected in the quadrant which, with relation to the direction of rotation of the rotor, is next beyond the azimuth of control member movement, and that the maximum decrease of pitch is effected at a point approximately diametrically opposite the maximum increase of pitch, whereby the blade pitch variation and blade swinging cooperate in altering the path of blade rotation for control of the craft.

2,380,583
AIRCRAFT WITH AUTOROTATIVE WINGS
Juan de la Cierva, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application August 3, 1934, Serial No. 738,349
In Great Britain August 5, 1933
69 Claims. (Cl. 244—18)

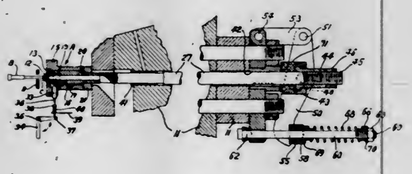
1. In an aircraft, an autorotatable sustaining rotor comprising a flappingly pivoted aeroform blade having its mass center located forwardly of its sectional center of pressure and spaced outwardly at least half the radius from the center of rotation, means for driving the rotor, and means for automatically varying the effective pitch of the blade under the influence of the driving means.

24. In an aircraft, power means, means of sustension comprising rotor blades adapted to be autorotationally actuated by the relative flight wind at least when descending without power, disconnectible means for rotatively driving said blades by said power means, mechanism pivotally mounting said rotor blades upon the craft for differential-lift compensation, for variation in mean incidence, and for shifting of position of the rotor lift-line relative to the center of gravity of the craft, means responsive to application of driving torque to said blades to position them at a reduced incidence ineffective to raise the aircraft, means for raising the blade incidence to a substantial positive-lift position for direct or vertical take-off, and controllable means operating upon said blades to variably position said lift-line whereby to provide control over the attitude of the craft and the angle of the direct take-off.



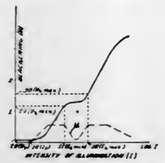
64. In an aircraft, an autorotatable sustaining rotor adapted to accommodate differential flight forces and comprising a plurality of aeroform blades with means for varying the effective pitch of the blades, each of said blades being of substantially fixed center of pressure section and having its sectional mass center at least as far forward as its aerodynamic center.

2,380,584
NUT RETAINER DIE AND EJECTOR
Paul De Loe, Detroit, Mich., assignor to Towne Robinson Nut Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1944, Serial No. 527,586
16 Claims. (Cl. 10—85)



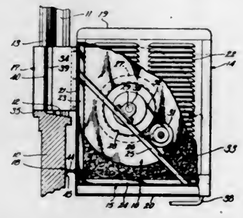
1. A nut punching attachment for a nut forming machine comprising a hollow retainer, a hollow reciprocable means therein, a hollow piercing die carried by said means, a hollow nut retainer die in said retainer consisting of a ring with a polylateral slot to supportingly retain the sides of a nut blank, and a reciprocable punch for inserting a nut blank into said retainer die and for removing the central portion thereof.

2,380,585
COPY FILM FOR LENTICULAR SOUND TRACKS
Cornelis Johannes Dippel and Klaas Jannes Keuning, Eindhoven, Netherlands, and Honoré Joseph Jules Verkinderen, Mortsel, and René Laurent Henri Van Hoestenberghe, Berchem, Belgium; vested in the Alien Property Custodian
Application April 10, 1941, Serial No. 387,974
In the Netherlands June 21, 1938
6 Claims. (Cl. 95—5)



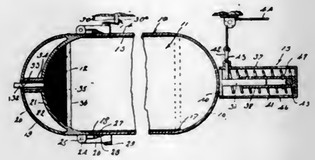
1. In the copying of a sound carrier having a lenticular sound track characterized by depth and width variations which refract light passed through the sound track and produce a copying light-beam of non-uniform intensity, the method of photographically producing a copy of said sound track precluding the formation of striae due to the non-uniform intensity of the copying light-beam, comprising the steps of passing light through the sound track, and exposing with the resulting light-beam of non-uniform intensity and developing, a copy film comprising a light-sensitive silver-halide emulsion layer so that said light-sensitive layer has a blackening curve characterized by a variable derivative at a blackening of 0.5 to 1.8 and a derivative of zero in the region of blackening of 1 to 1.8, the said exposure having a value at which the range of the light intensity variations produced by the refraction of light through the carrier falls within the region of zero derivative of the blackening curve and the formation of striae due to the non-uniform intensity of the copying light-beam is substantially precluded.

2,380,586
COOLER
Bryant Essick, Los Angeles, Calif.
Application March 12, 1942, Serial No. 434,425
8 Claims. (Cl. 98—94)



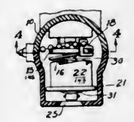
1. In a cooler for installation at an opening in a building, a housing, a blower in the housing including a casing having as a rigid continuation thereof a discharge duct which projects from the housing adjacent the upper end of the housing and which bears in said opening to suspend the cooler so that the housing depends from the opening, a flange on the duct to engage the building and hold the duct in the opening, the duct further serving to convey air from the blower casing to the interior of the building, and means projecting from the side of the housing which opposes the building for bearing against the building to hold the cooler level in the operative position, said means including an adjustable screw and a part on the screw for engaging the building.

2,380,587
DISTRESS SIGNAL DEVICE FOR AIRCRAFT, ETC.
Estil Irvin Fenton, Long Beach, Calif.
Application March 1, 1943, Serial No. 477,529
11 Claims. (Cl. 116—124)



1. A signal device for aircraft and the like including a case carried by the craft to be thrown from the craft to be clear thereof upon a sudden impact of the craft, means carried by the craft to eject the case from the craft the case comprising two separable telescopically engaged sections, means holding the sections against separation while in the craft and releasable so the sections are freely separable upon the case being displaced from the craft, an inflated balloon contained under pressure within the case operable to separate the sections when the case is free of the craft and rise from the case upon the release of said means, and an anchor line connecting the balloon with one section of the case and connecting that section of the case to the craft so the balloon is anchored near the craft.

2,380,588
ELECTRIC SWITCH PLUG AND SOCKET INDICATOR
Louis Frank, Fellows, Calif.
Application August 14, 1943, Serial No. 498,664
3 Claims. (Cl. 200—51.15)



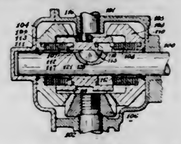
1. The combination with a switch plug and socket having a chamber containing the usual fixed and movable contacts, of a horizontally disposed pin seated in the upper portion of said chamber, a disc of insulation mounted for rotation upon said pin for actuating said movable contacts, an arcuate spring mounted on the rear face of said disc, one end of which spring is spaced apart from the disc to form a resilient pawl, a link secured to the other end of said spring, a pull chain attached to said link and extending outwardly from the chamber in the body of said plug and socket, a member mounted for rotary movement on said pin and bearing on its front face, indicia to indicate the positions of the switch contacts and the rear end of which rotary member is provided with ratchet teeth which are engaged by said resilient pawl.

2,380,589
RADIO TUBE SOCKET
Albert W. Franklin, New York, N. Y.
Application April 10, 1943, Serial No. 482,565
2 Claims. (Cl. 173—328)



1. An electrical contact terminal clip of metal comprising a bottom wall, a pair of parallel side walls attached to said bottom wall, and a pair of opposed ears at the corresponding ends of the side walls defining a constricted slot closed on one end and open at the other, said side walls being detached from the bottom wall at the edges adjacent said ears and said ears having overlapping extensions forming the closure for the closed end of the slot.

2,380,590
CLUTCH
Paul E. Frantz, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1940, Serial No. 320,822
2 Claims. (Cl. 192—51)



1. A spring clutch comprising a driving gear mounted for rotation on a driven shaft, said gear having a cylindrical surface formed therein, an element keyed to said shaft and adapted to be moved axially thereof, said element having a cylindrical surface therein aligned with the cylindrical surface on said gear, a coil spring secured to said gear at one end thereof having an axial extent corresponding substantially to the combined axial extent of said two cylindrical surfaces, a sleeve secured to said gear at one end and provided with outwardly extending portions at the other end to engage the free end of the spring and inter-engaging means on said element and spring to effect expansion of said spring into clutching engagement with such cylindrical surfaces.

2,380,591
AMINO ACIDS IN EMULSION POLYMERIZATION
Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 21, 1940, Serial No. 336,404
16 Claims. (Cl. 260—84.5)

5. The process which comprises polymerizing a monomeric material consisting predominantly of a butadiene-1,3 hydrocarbon in aqueous emulsion in the presence of an emulsifying agent, an emulsion polymerization catalyst and a saturated aliphatic monoamino monocarboxylic alpha-amino acid.

2,380,592
PIEZOELECTRIC CRYSTAL HOLDER
Herman L. Gordon, Silver Spring, Md.
Application July 8, 1944, Serial No. 544,035
12 Claims. (Cl. 171—327)

1. A holder for a piezo-electric crystal comprising a pair of cup-shaped members adapted

to form a hollow casing when their peripheral surfaces are brought together into opposing relation, each cup-shaped member being provided with a clamping element secured thereto, at least one of the clamping elements being a leaf spring,



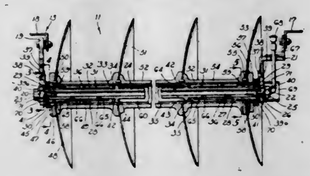
the clamping element of one cup-shaped member being adapted to cooperate with the clamping element of the other cup-shaped member to resiliently clamp a crystal in the hollow casing when the peripheral surfaces are brought together.

2,380,593
TOOL SETTING GAUGE
Allen T. Hanes, Jr., Columbus, Ohio
Application January 6, 1944, Serial No. 517,187
7 Claims. (Cl. 33—185)



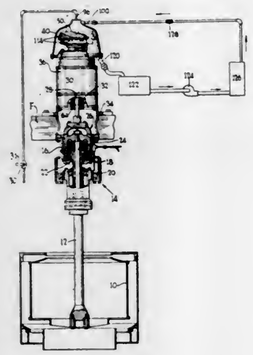
1. A gauge for setting cutting tools comprising a substantially L-shaped frame a portion of which is adapted to be engaged with an edge face of a cutting tool carrying block, adjustable means carried by another portion of said frame for engagement with another edge face of the block, and movable means comprising a housing portion carried by said last-named frame portion and a spring-projected plunger within said housing portion for engagement with the tip of a cutting tool carried by said block to indicate the correct setting of the tool with relation to work to be engaged and operated upon by it.

2,380,594
IMPLEMENT CONSTRUCTION
Loyd Heckathorn, Garden Grove, Calif., assignor to Howard B. Rapp and Sally Rapp, Santa Ana, Calif., copartners doing business as Towner Manufacturing Co.
Application June 6, 1941, Serial No. 396,797
19 Claims. (Cl. 308—19)



1. In an implement construction having side frame members, the combination of: a shaft member extending between said side frame members, having two enlarged portions providing rotary bearing surfaces and an intermediate reduced portion and having formed therein a first lubricant chamber; a tool-supporting member mounted on said enlarged portions of said shaft member, said members providing annular recesses therebetween outwardly of said rotary bearing surfaces; a first thrust member associated with said shaft member; a second thrust member associated with said tool-supporting member and engaging said first thrust member, said first and second thrust members being located between said recesses; and packing means in each of said recesses resiliently engaging the outer wall thereof and defining with said shaft member and said tool-supporting member a second lubricant chamber communicating with said first lubricant chamber.

2,380,595
CENTRIFUGAL MACHINE AND DRIVING SYSTEM THEREFOR
Joseph Hertrich, Hamilton, Ohio, assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
Application January 16, 1941, Serial No. 374,666
13 Claims. (Cl. 210—71)

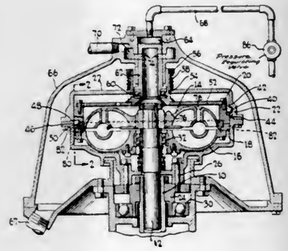


1. In a centrifugal machine comprising a suspended basket-carrying spindle and a driving shaft therefor, a variable torque hydraulic clutch having impeller and runner elements connected respectively with said shaft and said spindle to transmit torque therebetween, a clutch liquid supply system extending into the clutch, the clutch having means for discharging liquid therefrom, torque control means including shiftable valve means in said supply system to regulate the liquid supply to the clutch, an angularly movable member connected with said valve means and responsive to the torque of the machine to urge said valve means toward closed position, and means connected with said valve means for applying thereto a yieldable force to urge the same toward open position in opposition to such torque, whereby a maximum torque proportionate to such force may be maintained, and manually operable means accessible to an operator of the machine for regulating the force of said force-applying means so as to vary the maximum torque of the machine.

2,380,596
TORQUE CONTROL HYDRAULIC CLUTCH OR COUPLING
Joseph Hertrich, Hamilton, Ohio, assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
Application May 21, 1941, Serial No. 394,422
18 Claims. (Cl. 60—54)

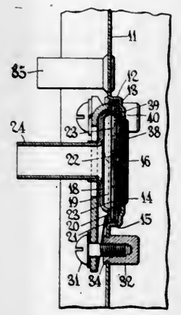
12. In a hydraulic coupling, a rotary housing, oppositely facing hydraulic coupling elements therewithin and control means including a relatively movable member adjacent the periphery of one of said elements connecting the same for rotation with and for limited angular movement with respect to said housing.

18. In a power transmission system including a hydraulic coupling and means for varying the filling of the same, means constantly reactive to the torque of the system for shifting said means so as to reduce the filling of the coupling, means for applying to said reactive means a predetermined force tending to counteract such torque and shift said means so as to increase the filling



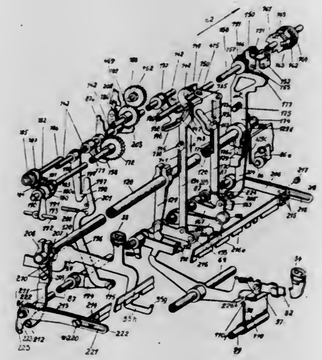
of the coupling, whereby to render the maximum torque of the system directly proportionate to said force, manually operable means for activating and inactivating said force-applying means so as to establish and terminate, respectively, power transmission by the system, said force-applying means including fluid pressure supplying means and said manually operable means including a variable pressure regulating valve.

2,380,597
VALVE
Willis C. Hess, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application December 31, 1941, Serial No. 425,101
3 Claims. (Cl. 251—127)



1. Check valve structure comprising a supporting wall, a depression formed therein and comprising a valve chamber, means interfitting with said depression to provide a cover for said valve chamber, a plurality of fluid nipples in said supporting wall adjacent said valve chamber, and cover retaining means comprising a central portion in engagement with the outside of said cover means and other portions perforated to fit over said fluid nipples, the latter being threaded to receive nuts for applying clamping pressure to said cover means.

2,380,598
MECHANISM FOR CONTROLLING TOTAL AND SUBTOTAL TAKING OPERATIONS FOR TYPEWRITING CALCULATING MACHINES
Hugo Ernst Kämmel, Zella-Mehlis, Germany; vested in the Alien Property Custodian
Original application May 14, 1934, Serial No. 725,636. Divided and this application July 31, 1939, Serial No. 287,672. In Germany May 15, 1933
21 Claims. (Cl. 235—59)

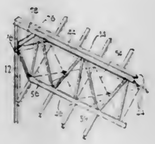


1. In a typewriting and calculating machine, conditionable for total-printing and clearing operations, the combination with a register; of means for operating said register, including a reciprocatory differential member, and a power-driven actuating member therefor; a connection between the differential member and the register shiftable into and out of operative relation to said differential member to normally disconnect the differential member and the register prior to movement of the differential member in one direction only; power-driven means to shift said connection; settable means effective upon the connection-shifting means to predetermine that the connection shall remain in operative relation to said differential mechanism during movement of the latter in both directions, in subtotal-taking operations; and means to adjust said settable means to and retain it in its effective position when a sub-total-taking operation is desired.

2,380,599
PLASTICIZED RESIN COMPOSITIONS
Harry Kline, North Plainfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 16, 1941, Serial No. 393,775
7 Claims. (Cl. 260—25)

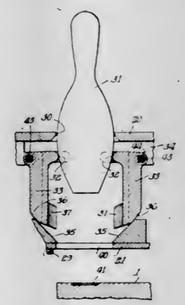
1. Varnish composition of heat-hardenable character useful as a binder for the preparation of laminated materials comprising in solution a resinous, ammonia-catalyzed reaction product of formaldehyde and a phenol selected from the group consisting of cresols, xylenols, mixtures of cresols and phenol, and mixtures of xylenols and phenol, and a plasticizer for the product comprising methyl abietate in amount by weight ranging from ten to thirty per cent of the total solids content of the composition.

2,380,600
BUILDING CONSTRUCTION
Jacob Loewenstein, New York, N. Y.
Application November 4, 1943, Serial No. 508,910
9 Claims. (Cl. 108—1)



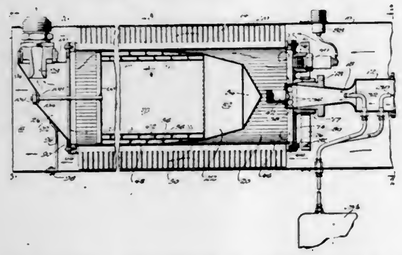
1. A permanent building construction capable of carrying heavy live and dead loads, said construction comprising a plurality of trusses, each at least sixty feet long, which span the width of a bay and are spaced from each other along the length of the bay, each said truss being composed of a plurality of structural members rigidly and permanently interconnected to provide three mono-web trusses, each mono-web truss being rigidly and permanently connected to both of the others, so as to form a closed triangular box truss having two side faces meeting at a ridge and a base meeting the side faces at base apices, means to permanently support each end of each box truss, structural members rigidly and permanently interconnecting the base apices of adjacent triangular box trusses intermediate the ends thereof, and a roof covering on the outside of the framework defined by said structural members and the side faces of the box trusses.

2,380,601
BOWLING PIN SETTER
Harold J. Luth, Sydney R. Krupnick, and Richard H. Hansen, Jr., Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 27, 1943, Serial No. 500,200
12 Claims. (Cl. 273—42)



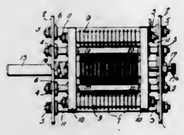
1. In a bowling pin setter, a frame with means for moving it toward and from the alley bed, means to hold a pin upright in the frame comprising shoes rockably mounted on said frame and each having an upper jaw and a lower jaw both rigidly carried by the shoe, the upper jaws being normally positioned to cooperate in embracing the pin below its greatest diameter, means on the frame operable by engagement with the alley bed to rock said shoes, moving the upper jaws apart to release the pin and swinging the lower jaws toward each other in pin-receiving position.

2,380,602
HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application November 4, 1942, Serial No. 464,451
3 Claims. (Cl. 126—116)



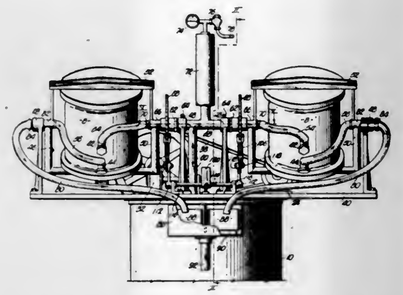
1. A heater comprising a longitudinally corrugated tube, an acoustic silencer located within said tube, caps for the ends of said tube, said silencer together with said tube and said caps forming a combustion chamber and longitudinally extending heat exchange passages connected to said combustion chamber, means for conveying air to be heated longitudinally and externally of said tube, said silencer comprising a generally cylindrical portion and a portion for deflecting products of combustion outwardly into said heat exchange passages, said silencer having a perforated side wall over at least a portion of the area thereof, and means within said silencer forming perforated sound damping chambers communicating with the first said perforations.

2,380,603
VARIABLE CONDENSER
Charles J. McDonough, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application September 23, 1942, Serial No. 459,406
1 Claim. (Cl. 175—41.5)



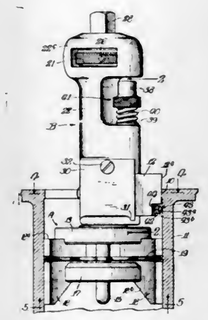
A high precision variable condenser comprising a framework including relatively spaced end plates and a pair of parallel spaced rods extending between said plates at right angles thereto, a rotor blade unit rotatably journalled in said end plates, a stator blade unit interposed between said end plates for cooperation with the rotor blade unit and including end members paralleling said end plates, said end members spanning said rods and being slidably mounted thereon for rectilinear movement between said end plates, a spring element interposed between one end plate of the framework and the adjacent end member of the stator blade unit and adapted to engage said end member at a point centrally between said rods for bodily moving said stator in one direction, and an adjustable element interposed between the other end plate of the framework and the adjacent end member of the stator unit and adapted to engage the latter end member at a point centrally between the rods for bodily moving the stator blade unit in the other direction against the action of said spring element.

2,380,604
CLEANING APPARATUS FOR OIL COOLERS
Clarence C. Melton, Kansas City, Mo., assignor to Transcontinental & Western Air, Inc., North Kansas City, Mo., a corporation of Delaware
Application April 27, 1942, Serial No. 440,664
10 Claims. (Cl. 141—1)



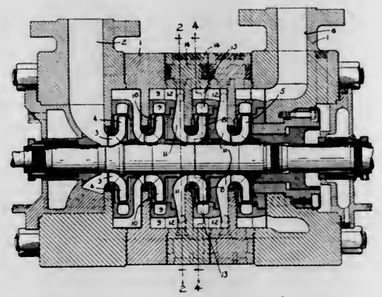
1. In apparatus for cleaning oil coolers or the like, a holder for supporting the cooler being cleaned; means for bodily tipping the holder and cooler about an axis extending through the latter to alter the position of the latter; a reservoir for cleaning liquid; a pump; and a series of pipes interconnecting the pump, the cooler and the reservoir, adapted to convey cleaning liquid to and from the cooler as the same is having its position altered.

2,380,605
CYLINDER RIDGE REAMER
Wallace F. Mitchell, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application October 2, 1942, Serial No. 460,517
7 Claims. (Cl. 77—58)



5. In a tool adapted for removal of ring-wear, or the like, ridges formed on the wall of a cylinder, a body member adapted to be supported for rotational movement, a cutting blade slidably carried by said body member for radially outward expanding and inward contracting movement, and spring-loaded means carried by said body member for automatically feeding said blade in an expanding direction, said means extending upwardly above the cylinder and having means for adjusting the spring pressure located above the cylinder for convenient adjustment when the tool is positioned within the cylinder.

2,380,606
METHOD AND APPARATUS FOR REGULATING THE HEAD AND CAPACITY OF CENTRIFUGAL PUMPS
Lewis F. Moody, Princeton, N. J.
Application December 19, 1942, Serial No. 469,504
15 Claims. (Cl. 103—97)



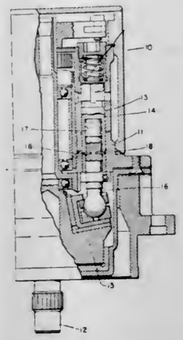
14. The method of regulating the head and capacity of a centrifugal machine such as a pump or compressor which comprises by-passing a controllable quantity of the handled fluid from a point of higher pressure back to the inlet of an impeller of the machine and introducing the by-passed fluid tangentially into and inwardly through a vane-free passage into the inlet of the impeller to produce a converging vortex in the inlet which co-operates with the outward whirling flow of the impeller for regulating the head and capacity of the machine.

15. In a centrifugal pump, a casing, an impeller in said casing having an inlet and a discharge, said casing provided with a vane-free inlet passage formed as a space of revolution opening into the impeller inlet, said casing having a by-pass therein the inlet of which opens into the impeller discharge and the outlet of which opens tangentially into said inlet passage at its outer periphery, the outlet of said by-pass pointing in the direction of rotation of the impeller whereby liquid entering the vane-free passage from the by-pass will set up a vortex in the liquid as it passes inwardly through the vane-free passage, which vortex rotates in the direction of rotation of the impeller and increases in velocity inversely as to the distance from the axis, a needle valve for controlling the quantity of liquid by-passed, and means actuated by pressure variances in the discharge of the pump for automatically adjusting said needle valve.

2,380,607
FLUID PUMP
Carl H. Nystrom, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application January 19, 1945, Serial No. 573,525
10 Claims. (Cl. 309—4)

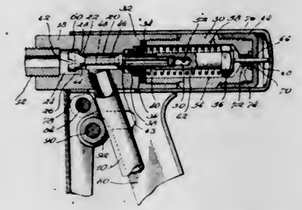
2. In a multicylinder fluid pump, a barrel for each cylinder, a plunger mounted for movement in each barrel, a plunger rod for moving said plunger, a shear pin connecting each plunger rod to its respective plunger, and a recess in one

of said members adjacent said shear pin for allowing movement of said plunger rod relative



to its plunger in the event of breakage of said shear pin.

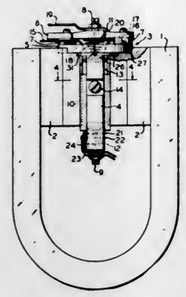
2,380,608
CONTROL VALVE
George H. Palm, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 13, 1942, Serial No. 454,667
9 Claims. (Cl. 251—134)



6. In a control valve of the class described, the combination of means providing a tubular structure having a valve seat therein, a valve member cooperating with said valve seat to control flow of fluid therepast, means in said tubular structure for urging said valve member toward closed position, means closing one end of said tubular structure, a pin slidable in a wall of said structure, a drawn tube surrounding said tubular structure and slidable thereon, said tube having a closed end adapted to engage said pin to move said valve means to open position, a stamped handle welded to said tube, a stamped trigger pivoted to said handle, an inlet pipe attached to said tubular structure at one side of said seat, and means carried by said trigger and engageable with said pipe whereby movement of said trigger causes it to fulcrum about said pipe and produces relative movement between said tube and said tubular structure.

2,380,609
GALVANOMETER
Walter H. Pearce, North Hills, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 14, 1943, Serial No. 472,392
2 Claims. (Cl. 171—95)

1. An electrical measuring instrument of the galvanometer type comprising a permanent magnet, a pair of pole pieces permanently attached to said magnet, said pole pieces being so formed that a cylindrical air gap is between them, each pole piece also having formed on a side thereof locating surfaces extending parallel to the cylindrical air gap and other locating surfaces extending perpendicular thereto, a coil supporting member fastened to said pole pieces and having locating surfaces formed thereon which engage the locating surfaces on the pole pieces to thereby accurately



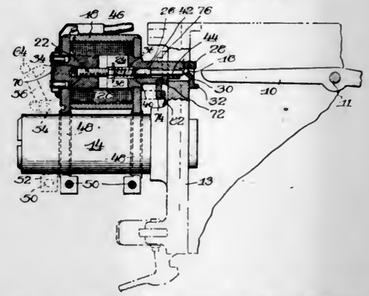
position the coil supporting member and pole pieces relative to each other, a cylindrical core attached to said coil support and located thereon in such a manner that it is concentric with the air gap, a coil pivotally mounted on said coil supporting member to deflect in said air gap in the space between said pole pieces and said core, and means to fasten said coil supporting member in position on said pole pieces.

2,380,610
CAMERA
Joseph Pignone, Brooklyn, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application August 21, 1940, Serial No. 353,484
16 Claims. (Cl. 95—64)



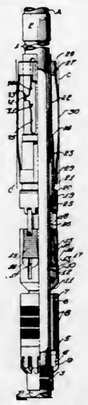
3. For use in a camera wherein either the viewing optical system or the photographic optical system selectively employs the objective lens of the camera, a shutter adapted to be associated with said objective lens and having a reciprocable operating member, a diaphragm associated with said shutter, means to vary the diaphragm aperture, said last named means being reciprocable between two extreme positions, a driving mechanism to move said last named means between said two positions, diaphragm aperture preselecting means, means to open said diaphragm to its maximum aperture for viewing, and means operative upon a return stroke of said member to render said driving mechanism effective and to then render said driving mechanism ineffective when said diaphragm aperture varying means is disposed in a position corresponding to a preselected diaphragm aperture, whereby upon closing of said shutter after viewing it will be ready for operation with said diaphragm stopped down while said photographic optical system employs said lens.

2,380,611
SOLENOID INITIATING MECHANISM FOR MACHINE GUNS
La Vern Edward Quinnell and John C. Koonz, Fort Wayne, Ind., assignors to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application September 16, 1942, Serial No. 458,516
2 Claims. (Cl. 89—28)



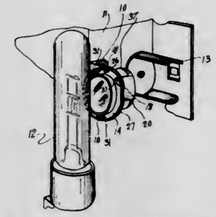
1. The combination with a gun having a sear pin, a trigger bar for operating said sear pin, a rear plate having an opening therethrough, and a buffer tube extending rearwardly from said rear plate, of a solenoid detachably mounted on said buffer tube and having a movable core and a fixed core, a forwardly extending extension on said fixed core and projecting through the opening in said rear plate into juxtaposition to said trigger bar, a trigger shaft assembly connected to and operable by said movable core and projecting through said fixed core and the extension thereof, and a lifter member pivotally mounted on the forward end of said extension adapted to be lifted on actuation of said movable core to operate said trigger bar.

2,380,612
TUBING ANCHOR AND PACKER ASSEMBLY
Harry J. Quintrell, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 25, 1942, Serial No. 432,182
8 Claims. (Cl. 166—12)



1. A tubing anchor and packer assembly comprising a mandrel suspended from a tubing string within a well casing, a packer assembly including a packer collar fixed on said mandrel, a packer head member surrounding and movable along said mandrel, an elastic packing ring surrounding said mandrel between said packer collar and said packer head member, a slip expander slidable on said mandrel and initially spaced above said packer head member, said packing ring and said packer head member being radially spaced from said mandrel, said packer collar having perforations therethrough communicating with the space between said packing ring and said packer head member to provide a fluid circulation path between said packer assembly and said mandrel, the adjacent confronting surfaces of said packer head member and said slip expander cooperating to close said fluid circulation path when said slip expander is in contact with said packer head member, a cage on said mandrel above said slip expander supporting slips in position on said slip expander, said cage being slidable on said mandrel and including means frictionally engageable with a surrounding well casing, whereby upward movement of said mandrel relative to said cage will cause said slip expander to expand said slips into engagement with a surrounding casing and said slip expander will form a stationary abutment cooperating with said packer head member to close said fluid circulation path and to axially compress and radially expand said packing ring.

2,380,613
LENS ASSEMBLY
Thomas I. Ress, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1944, Serial No. 545,553
5 Claims. (Cl. 88—24)

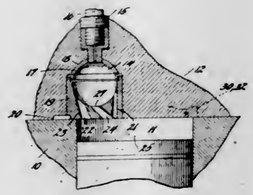


1. A condenser lens assembly comprising a frame having a peripheral flange provided with bayonet slots therein, a lens mounted in the frame, a housing having at one open end a peripheral flange provided with bayonet slots adapted to register with the slots of the flange of the frame when said flange is disposed in flat abutting relation with the flange of the housing, a mounting bracket having a central opening through which the housing is adapted to be projected, with the flange of the housing disposed against the bracket, a lens mounted in the opposite open end of said housing, and means on said bracket and engageable in said bayonet slots for releasably connecting said frame and said housing in assembled relation with respect to each other to said bracket.

2,380,614
METHOD OF MAKING CATALYSTS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 16, 1941, Serial No. 402,629
6 Claims. (Cl. 23—105)

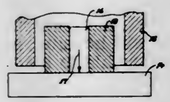
1. The method of making a catalyst for polymerization reactions, said catalyst comprising a complex heavy metal pyrophosphate in a high degree of purity, which comprises reacting in aqueous solution an alkali metal heavy metal oxalate and an alkali metal pyrophosphate.

2,380,615
COMBUSTION CHAMBER
Richard H. Sheppard, Hanover, Pa.
Original application November 1, 1941, Serial No. 417,532. Divided and this application April 12, 1943, Serial No. 482,781
7 Claims. (Cl. 123—32)



1. In an internal combustion engine of the liquid fuel injection type, a cylinder, a combustion chamber having a circular cross-section, a fuel jet nozzle positioned to inject a jet of fuel through the center of the chamber, and means having a main and a plurality of auxiliary throats providing communication between the cylinder and chamber, the main throat having one wall tangential to the wall of the chamber, one auxiliary throat having its axis intersecting the axis of the cylinder and the axis of the fuel jet, and the other having one wall tangent to the wall of the chamber opposite the point at which the main throat wall is tangential to the cylinder wall, the axis of the fuel jet passing through the nearer orifice of said one auxiliary throat, whereby droplets of fuel thrown into said auxiliary throat are carried directly to the center of the cylinder, such action being aided by turbulence caused by said other auxiliary throat.

2,380,616
MAGNETIC SYSTEM
Jacob Louis Snoek and Luitje Alons, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application May 3, 1941, Serial No. 391,620
In the Netherlands June 20, 1940
1 Claim. (Cl. 22—200)



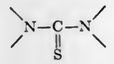
A method of producing magnetically conductive material, according to which use is made of material of positive crystal anisotropy containing a major proportion of iron, which consists in adding to said material such component ingredients that while cooling from the solidification point down to ordinary temperature only the magnetic transition point is traversed and no phase-change occurs in the material as it solidifies, pouring said material in the fused state into a casting mould, and then cooling the cast material in a given direction in such a manner as to give rise to columnar crystals in the direction of maximum magnetic conductivity.

2,380,617
HEAVY METAL CATALYSTS FOR EMULSION POLYMERIZATION REACTIONS
William D. Stewart and Benjamin M. G. Zwicker, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application October 13, 1941, Serial No. 414,788
10 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing in the form of an aqueous emulsion a mixture of butadiene and a monomer copolymerizable therewith in aqueous emulsion, in the presence of catalytic amounts of water-soluble salts of iron and cobalt and a water-soluble pyrophosphate.

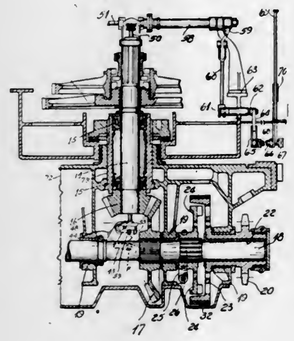
2,380,618
CATALYSTS FOR POLYMERIZATION REACTIONS
William D. Stewart and Benjamin M. G. Zwicker, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 26, 1942, Serial No. 444,596
14 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 in aqueous emulsion in the presence of an organic compound containing a



structure, said compound being selected from the class consisting of thiobarbituric acid, phenylthiohydantoic acid, trithiocyanuric acid, thiohydantoin, thioallantoin, guanylthiourea and thiobiuret.

2,380,619
STEERING MECHANISM FOR TRACTOR CRANES
Franklin E. Terrill, Bay City, Mich., assignor to Industrial Brownhoist Corporation, Bay City, Mich., a corporation of Ohio
Application July 30, 1941, Serial No. 404,689
19 Claims. (Cl. 180—9.2)



1. A steering by driving mechanism for land vehicles comprising a mobile structure; a pivotal platform structure above the mobile structure; a vertical drive shaft connecting the platform structure and mobile structure; a driven shaft carried by the mobile structure; a drive connection between the drive shaft and the driven shaft; traction elements carried by the driven shaft; clutch and brake mechanism mounted on the driven shaft; fluid cylinders for selectively controlling said clutch and brake mechanism; a pressure tank carried by the platform structure; control valves connected to said pressure tank, and controlling the fluid cylinders; a rockable cam shaft adjacent the valves; cams carried by said cam shaft and controlling said valve; and means reciprocally mounted in the vertical shaft and controlled from the platform for rocking said cam shaft.

2,380,620
PRODUCTION OF ALKALI METAL PERCARBONATES
Oswald Hugh Walters, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 17, 1944, Serial No. 526,851. In Great Britain April 23, 1943
20 Claims. (Cl. 23—62)

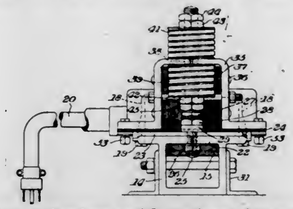
1. In a process for the production of an alkali metal percarbonate by interacting in cold aqueous solution hydrogen peroxide and an alkali metal salt of the class consisting of the carbonate and the bicarbonate so as to form alkali metal percarbonate and causing alkali metal percarbonate to be precipitated from the solution, the step which comprises effecting the said precipitation in the presence of a small proportion of diphenyl guanidine.

2,380,621
COLORLESS, AQUEOUS SOLUTIONS OF VITAMIN-K-ACTIVE COMPOUNDS AND PROCESS FOR THE MANUFACTURE OF SAME
Kurt Warnat, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 16, 1943, Serial No. 502,704. In Switzerland March 3, 1942
3 Claims. (Cl. 260—461)

1. In the process for the manufacture of water-soluble salts of 2-methyl-1,4-dihydroxy-naphthalene diphosphoric acid the steps which comprise hydrolyzing crude 2-methyl-1,4-dihydroxy-naphthalene-diphosphoric acid tetrachloride with water in the presence of a base, removing from the solution thus obtained any free phosphoric acid present therein by adding a calcium compound forming calcium phosphate with the free acid, and boiling the solution freed from calcium phosphate in the presence of a calcium compound precipitating the calcium salt of 2-methyl-1,4-dihydroxy-naphthalene diphosphoric acid from the boiling liquid.

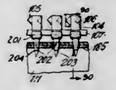
2,380,622
ELECTROMAGNETIC VIBRATOR
Carl S. Weyandt, Homer City, Pa.
Original application December 17, 1940, Serial No. 370,465. Divided and this application June 26, 1942, Serial No. 448,545
10 Claims. (Cl. 172—126)

5. A vibrator comprising a base adapted to be secured to an object to be vibrated, an electromagnet mounted on said base, an armature, spring holders carried by said armature, leaf springs secured at their middles to the base and having their ends received in said holders, spring holders carried by said base, leaf springs secured at their middles to the armature and at their ends in said latter holders, and resilient



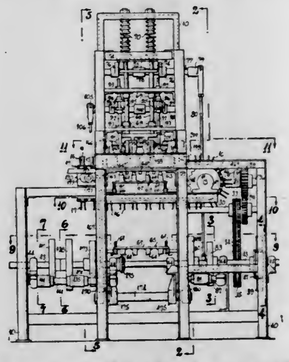
means for gripping said springs in said holders to allow endwise movement of said springs.

2,380,623
SEPARABLE FASTENER
Martin Winterhalter, Morcote, near Lugano, Switzerland
Application March 25, 1943, Serial No. 480,463
In Switzerland March 30, 1942
6 Claims. (Cl. 24—205)



1. A stringer forming one complementary part of a multiple operated fastener, said stringer comprising a row of fastener elements each having a head portion formed with interlocking means thereon, each fastener element having an elongated rigid stud extending from the head portion, each stud being pointed to provide fabric penetrating means, the stud also having fabric engaging and retaining means to prevent withdrawal after penetrating a fabric, said row of fastener elements being supported upon a carrier member which is resiliently bendable but substantially non-extensible.

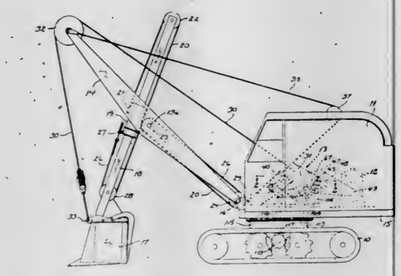
2,380,624
PACKAGING APPARATUS AND METHOD
William D. Young, Greenville, S. C., assignor of ten per cent to Thomas B. Taylor, ten per cent to Maravene S. Taylor, both of Port Washington, N. Y., fifteen per cent to Dorothy R. Young, Greenville, S. C., twenty per cent to Arthur C. Kingston, Belmont, Mass., ten per cent to Betty Jane Young, ten per cent to Jean Ann Young, ten per cent to Nancy Lou Young, all of Greenville, S. C., and one per cent to Eugene D. Richter, Montclair, N. J.
Application November 30, 1942, Serial No. 467,354
12 Claims. (Cl. 226—2)



7. That method of packaging a surgical dressing having parallelized fibers extending longi-

tudinally of the dressing, which comprises confining all sides of the dressing, exerting endwise compression to reduce the overall length of the dressing short of the elastic limit of the fibers, and then transferring the dressing laterally into a retaining carton while confining both ends of the dressing and retaining the endwise compression to preserve it in a size sufficiently small to enter the carton to fit snugly therein.

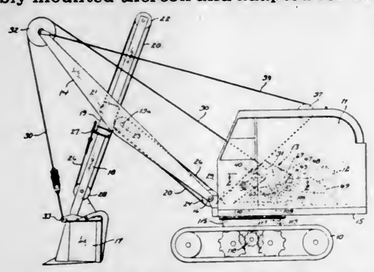
2,380,625
POWER SHOVEL, CRANE, AND THE LIKE
Roy H. Zeilman and Alan Smythe, Elyria, Ohio, assignors to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application September 14, 1943, Serial No. 502,354
10 Claims. (Cl. 214—135)



1. In an excavating machine of the type described, the combination with a prime mover, a drive shaft and driving connections between said prime mover and said shaft adapted to effect constant driving of said shaft during all normal excavating operations by said machine, a plurality of selective clutch means mounted thereon, a single drum shaft, a crowd and retract drum, a boom hoist drum and a hoist drum mounted upon said drum shaft, said crowd and retract drum and said hoist drum being freely rotatable on said drum shaft, and said boom hoist drum being keyed thereto and rotatable therewith, power transmission means for each said drum interconnecting said drums and relatively different of said clutch means, operator controllable means for selectively operating any of said clutch means to effect selective driving by said drive shaft of any of said drums, said clutch means providing the only means to communicate power from said prime mover to said drums and said drum shaft.

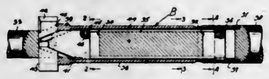
2,380,626
MOBILE POWER SHOVEL, CRANE, AND THE LIKE
Roy H. Zeilman and Alan Smythe, Elyria, Ohio, assignors to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application April 17, 1944, Serial No. 531,468
8 Claims. (Cl. 212—38)

1. In mobile power shovels, cranes and the like, the combination with a vehicle chassis, a turntable rotatably mounted thereon, an adjustable boom carried by and extending from an end of the turntable, propulsion means supporting said turntable, a prime mover and power transmission means carried by the turntable, a propeller shaft extending downwardly from the turntable coaxially with its axis of rotation for communicating power from said prime mover through said transmission means to said propulsion means, a swing shaft carried by the turntable disposed in spaced parallel relation to said propeller shaft, a ring gear supported on the chassis encircling said propeller shaft and disposed co-axially therewith, a swing pinion carried by the lower end of said swing shaft and meshed with said ring gear to effect rotation of the turntable, a pair of gears each having a hub, each of said hubs being journalled on an upper portion of a different one of the aforesaid shafts, said transmission means adapted to simultaneously rotate both of said gears, a clutch element for each said shaft nonrotatably mounted thereon and adapted for recip-



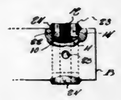
rocatory adjustment longitudinally of the shaft whereby upon movement in a first direction each clutch element affords a driving connection between the associated gear and the associated shaft, each element when moved in the opposite direction being adapted to disable said driving connection, manually operable controlling means adapted to adjust either of said clutches to either of its alternative positions, and a dog so positioned as to be interengaged with the swing shaft clutch element when it is moved in said opposite direction to a maximum degree, whereby said dog, said swing shaft, swing pinion and ring gear lock the turntable against rotational movement.

2,380,627
BORING BAR
Edward A. Zempel, Milwaukee, Wis.
Application February 1, 1943, Serial No. 474,307
1 Claim. (Cl. 77—58)



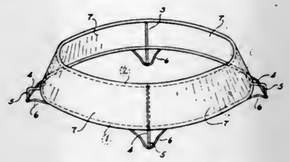
An extension boring bar comprising an elongated body having its forward end reduced in diameter defining an annular stop shoulder, said body being provided with a diametrically extending slot forwardly of the shoulder and a similar slot forwardly of the first slot and adjacent but spaced from the forward end of the body, a guide plate fitted in the first slot for sliding movement, an adjusting plate fitted in the second slot for sliding movement, means connecting said plates together, a rotatable adjusting sleeve mounted on the body against the shoulder for advancing and retracting the guide plate, a casing fitted on the body against the sleeve, a head on the forward end of the casing provided with notches registering with the second slot, cutters insertable in the opposite ends of the slot through said notches, the inner ends of the cutters and the forward end of the adjusting plate having inter-engaging inclined ribs and grooves said means for connecting the plates together including spaced longitudinally extending rods disposed on opposite sides of the body, and said body having longitudinal guide grooves communicating with the slots slidably receiving the rods.

2,380,628
METAL STOCK HAVING A SQUARE HOLE AND METHOD OF MAKING SAID STOCK
Edward A. Zempel, Milwaukee, Wis.
Application May 14, 1943, Serial No. 486,985
6 Claims. (Cl. 29—148)



1. The method of producing an accurate square hole in metal stock, which consists in first, boring a circular hole in the stock, second, forming mating rectangular grooves twice as wide as deep in the inner faces of companion strips, third, fitting these strips together face to face to provide, by means of the grooves, a square hole between the fitted strips, fourth, temporarily welding the ends of the strips together by inserting a square sizing bar between the strips which will not readily take a weld, fifth, substituting a centering mandril for the sizing bar and placing the secured strips by means of the mandril in a lathe and machining the outer face of the fitted strips to accurately fit the hole and, finally fitting and anchoring the fitted machined strips in said hole.

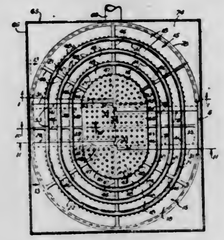
2,380,629
FOOD SERVING DEVICE
Hector G. Zoia, Cleveland, Ohio
Application July 18, 1944, Serial No. 545,429
6 Claims. (Cl. 65—16)



4. A food-serving appliance consisting of only an upper metal ring and a lower metal ring arranged about the same vertical axis, said upper ring being substantially smaller than said lower ring, upwardly and inwardly inclined spaced members connecting said rings, said rings and inclined members constituting a skeleton frame, and sheet metal attached to said frame so as to constitute an enclosing wall for the space between said rings.

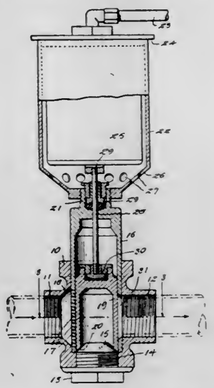
2,380,630
EMERGENCY GRATE
Robert C. Cross, Riverside, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1942, Serial No. 461,296
1 Claim. (Cl. 126—152)

A solid fuel conversion grate, comprising a pair of semi-circular castings, each having two edge formations oppositely offset from a diametral line constituting a median junction between said castings and meeting at a midpoint of said line, one of said edge formations of each casting being throughout recessed to receive the non-recessed edge formation of the other of said castings during interfitting placement of said castings one with the other, a series of cascaded semi-circular sections integral with each of said castings having progressively larger diameters and progressively lower planes in horizontal correspondence, said edge formations defining said cascaded sections, and an optionally insertible intermediate casting having edge formations complementary to those



of its adjacent semi-circular casting and correspondingly offset so as to afford elongation to said conversion grate in a direction transverse of said diametral line.

2,380,631
HIGH LIFT VALVE
Ben Cones, Indianapolis, Ind.
Application December 4, 1943, Serial No. 512,917
1 Claim. (Cl. 251—34)

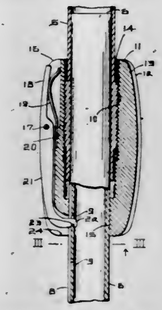


A structure of the class described including a valve body having an inlet and an outlet, a sleeve in said body, said inlet being widened at the sleeve to enable expansion of the fluid passing therethrough, said sleeve in line with the wide portion of the inlet having ports of an overall area in excess of the normal area of the inlet, said sleeve also being ported for communication with the outlet, a piston slidable in the sleeve, and said sleeve being of a size to enable said piston to fully open and close said ports, means to actuate the piston, a plug in said body, and a ground joint on an inclined surface between said piston and said plug.

2,380,632
PROJECTION STAND
Bernard A. Cousino, Toledo, Ohio
Application March 27, 1944, Serial No. 528,203
2 Claims. (Cl. 248—191)

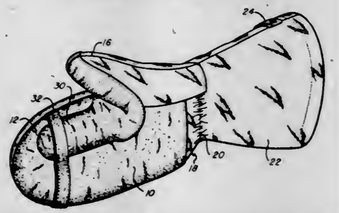
1. A length adjustment structure comprising a first tubular section, a second aligned section adapted to telescope into the tubular section and extend therefrom and in such extent having a longitudinally extending way with a series of seats therealong, and an assembly sleeve spanning from the first to the second section and having thread

connection with the first for length adjustment by relative rotation between the sleeve and the first section and having a dog slidable along the way to enter a seat and preclude relative rotation between the second section and the sleeve, whereby in operative assembly of the structure a relatively coarse and quick primary length adjustment is effected between the sleeve and sec-



ond section by locating the dog in a seat from direct longitudinal shifting between the second section and the sleeve, and thereafter relatively fine and less rapid secondary length adjustment is effected between the sleeve and first section by rotating the sleeve relatively to the first section independently of disturbing the second section primary adjustment.

2,380,633
MITTEN
Ome C. Daiber, Seattle, Wash.
Application June 6, 1942, Serial No. 446,007
1 Claim. (Cl. 2—158)



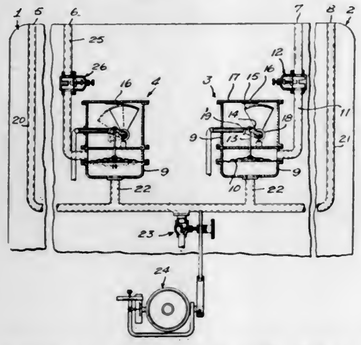
A mitten having a continuous palm and finger wall, the finger face being continuous from side to side of the mitten, attached thereto a forefinger stall communicating at its base with the interior of the mitten through the palm thereof, the opposed walls of the forefinger stall and the thumb being formed by a unitary layer of material separate from the palm wall.

2,380,634
CARPET SWEEPER
Paul J. Daniels, Milwaukee, Wis.
Application July 28, 1943, Serial No. 496,453
8 Claims. (Cl. 15—48)



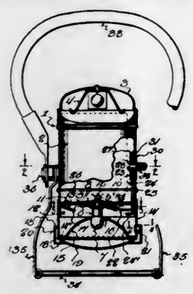
7. In a carpet sweeper having a case portion provided with a top dust discharge opening and having a brush, a bottom dustpan below said opening having an upturned lip extending parallel to said brush, and a hinged door normally closing said opening, said door having a flap at its hinged edge projecting within the case and extending parallel to the pan lip, said flap being of such length as to cooperate with said lip when the door is open to direct dirt away from the brush when said dirt is being emptied from the top opening while the sweeper is inverted.

2,380,635
MEANS FOR INDICATING AIRCRAFT FLIGHT CONDITION
Vassily de Samsonow, Ponca City, Okla.
Application September 5, 1942, Serial No. 457,433
6 Claims. (Cl. 73—178)



1. Means for indicating aircraft flight condition comprising a casing having a movable member positionable by the relative pressures upon its opposite sides, means for developing upon one side of said member a pressure which is at or above a predetermined minimum pressure which is independent of changes in operating conditions, a pressure tube leading into the casing on the opposite side of the member and having its open pressure end exposed at an airfoil surface to develop a dynamic pressure which is a function of the speed of the aircraft and becomes less than said minimum pressure just prior to stall conditions, adjustable valve means in the tube providing a variable leakage opening for the air to regulate the dynamic pressure, and an indicator operated by the movement of the member.

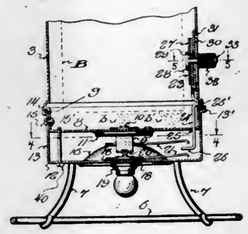
2,380,636
ELECTRIC LANTERN
Elmer E. Drumm, Manitowoc, Wis.
Application May 27, 1943, Serial No. 488,641
1 Claim. (Cl. 240—10.63)



In an electric lantern, a casing for receiving a dry-cell battery, a light bulb socket carried by

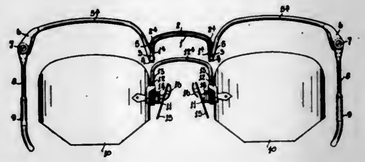
said casing, a one-piece reflector cup having a skirt extending over and snugly surrounding the end of the casing, said casing being provided with spaced inclined slots in its peripheral wall, projections carried by said skirt and extending into said slots for imparting axial movement to said cup upon rotation of the same, a lens mounted on the face of said cup, a sealing gasket disposed between said lens and cup, spaced radial studs secured to the periphery of said reflector cup, and a locking ring mounted on said cup for compressing the lens on said gasket, said ring having upper and lower flanges for engaging said studs and lens respectively, the upper flange of said ring being notched to permit the passage of said ring over said studs.

2,380,637
ELECTRIC LANTERN
Elmer E. Drumm, Manitowoc, Wis.
Application May 27, 1943, Serial No. 488,642
5 Claims. (Cl. 240—10.63)



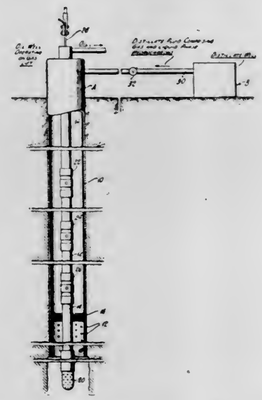
1. In an electric lantern comprising, a casing provided at one end with a flat reflector having a concave reflector surface formed in a portion of its face, a light bulb socket mounted upon both the flat and concave portions of the reflector and unequally spaced from the axis of the reflector, said sockets being insulated from the reflector, contact fingers connected to said sockets and extending laterally to a point adjacent the periphery of said casing and having their ends in vertical alinement, and a circuit closer vertically shiftable mounted upon the periphery of said casing and extending between the alined ends of said contact fingers for selective engagement with said contact fingers, said circuit closer being grounded to said casing.

2,380,638
DEVICE ADAPTED FOR DETACHABLY COUPLING TO EYEGLASSES FOR PROTECTING THE LENSES
Luis D'Urbano, Buenos Aires, Argentina
Application April 5, 1944, Serial No. 529,654
In Argentina January 26, 1944
5 Claims. (Cl. 88—41)



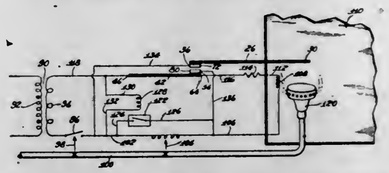
1. A device of the character described, comprising a central bridge member having two lateral branches, said central bridge member and said two branches being provided with a continuous groove extending along their inner sides adapted to receive and hold therein detachably the bridge piece and the lateral branches thereof of a rimless eyeglass mounting, and two arched bars extending outwardly from the two lateral branches of said central bridge member, said two arched bars being curved to conform to the peripheral contour of the upper edge of the lenses of the eyeglasses to which the device is adapted to be attached and when attached being positioned behind the upper marginal portions of said lenses.

2,380,639
PRODUCTION OF OIL
Wilson G. Eris, Napoleonville, La., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 16, 1943, Serial No. 502,663
7 Claims. (Cl. 103—232)



1. In the process of producing from a subsurface reservoir by gas lift a crude oil tending to deposit paraffin, the improvement which comprises introducing from the surface into an oil well tapping the crude oil reservoir, under the pressure required for gas lift, a mixed fluid comprising a gas and liquefiable hydrocarbons in the liquid phase dispersed in said gas, said liquefiable hydrocarbons comprising a substantial proportion of hydrocarbons which are in the liquid phase at atmospheric temperature and pressure, whereby the crude oil is aerated and is caused to flow to the surface while avoiding substantial deposition of paraffin.

2,380,640
SAFETY CONTROL APPARATUS FOR GASEOUS FUEL BURNERS
Samuel G. Eskin, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application November 8, 1941, Serial No. 418,340
4 Claims. (Cl. 158—117.1)



1. In a safety control apparatus for gaseous fuel burners comprising a normally closed solenoid

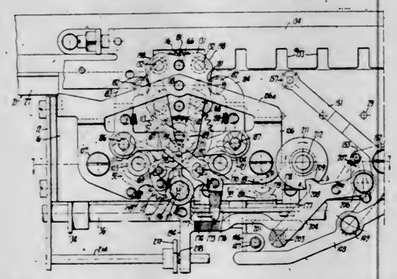
valve preventing the supply of fuel to the burner, electric ignition means for said burner in circuit with said valve, means for energizing said ignition means and valve to produce a flame at the burner, an automatic time-delay device electrically connected to said valve for causing said valve to remain unactuated for a predetermined period following energization of said circuit, said device including an initally closed switch which opens after a predetermined time-delay and resets substantially instantaneously upon deenergization of said circuit, a temperature responsive element connected in series circuit with said ignition means and valve to be heated upon energization thereof, a second temperature responsive element heated by the presence of a burner flame, and relay contacts carried by said elements and connected in parallel circuit with said valve, said contacts being normally open and operable to closed position for causing deenergization of said valve when only the first said element is heated.

2,380,641
SPOOL FOR RIBBONS AND OTHER NARROW FABRICS
Kurt Freiler, Los Angeles, Calif.
Application November 9, 1944, Serial No. 562,650
4 Claims. (Cl. 242—70)



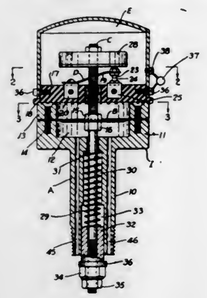
2. In a spool of the class described, a single plate circular in outline and notched out into branch segments around its outside and said branch segments twisted to right angle positions to the body of the plate and said segments provided with ribbon seats having radially extending portions on each side of each seat.

2,380,642
CENTRALIZING MECHANISM
Carl M. Friden, Pleasanton, and Anthony B. Machado, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application July 1, 1940, Serial No. 343,368
9 Claims. (Cl. 235—63)



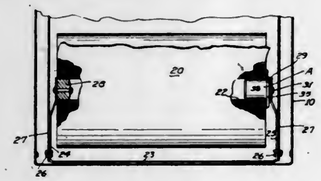
1. In a calculating machine having a cyclically operable mechanism and means for centralizing said mechanism a latch lever for holding said centralizing means in inactive position, means for controlling the movement of said lever from active position including a notched cam disc and an arm having a nose for seating in the notch of said cam disc in the full cycle position thereof, and means for driving said notched cam disc in cyclic fashion in time with the operation of said mechanism.

2,380,643
ALARM DEVICE FOR INTERNAL-COMBUSTION ENGINES
Lloyd Ballard Gore, Vancouver, British Columbia, Canada
Application March 7, 1944, Serial No. 525,383
7 Claims. (Cl. 200—83)



1. An alarm system for use with fluid pressure systems, comprising a chamber, a diaphragm dividing said chamber, means for admitting fluid to one end of said chamber, a stem passing through said diaphragm and fixed thereto, a switch block defining one end of said chamber, one end of said stem passing through said switch block and having fixed on it a member adapted to operate an electrical switch mounted between said switch block and said member upon movement of said diaphragm due to changes of fluid pressure in said chamber, said electrical switch comprising at least two terminals connected in an electrical circuit and carried on said switch block, and means for making an electrical contact between said terminals, said means being urged by spring pressure to open said circuit and being engaged by said member and actuated against said spring pressure to make said electrical contact and close said circuit.

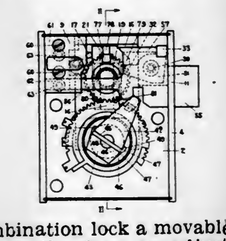
2,380,644
MEANS FOR MOUNTING ROLLS IN DISPENSING CABINETS
Charles A. Grondona, Rye, N. Y., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application October 6, 1942, Serial No. 461,027
2 Claims. (Cl. 242—55.5)



1. The combination of a paper towel supply roll having a hollow core, a groove in one end of said roll, said groove extending in diametrically opposite directions from the axis of said roll, the other end of said roll being without such groove, a removable chuck for said grooved end of said roll, said chuck having a stem portion extending into the corresponding end of said core and having a plate attached to the outer end of said stem portion, a lug secured to said stem portion and to said plate, said groove adapted to accommodate said lug and thereby to permit said plate to rest against the end of said roll, a dispensing

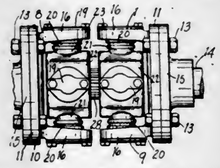
cabinet for said roll, a pair of roll-supporting arms in said cabinet, an element carried on one of said arms for engaging an end of said core, a plate rotatably mounted on the other of said arms, said rotatably mounted plate and said chuck plate having cooperating elements adapted to hold said plates in engagement with each other when said roll is placed in position between said arms and said plates are brought into registration, said arms at the opposite ends of said roll normally spaced apart a distance approximately equal to the length of said roll, means preventing said arms from being spaced a greater distance apart when said arms are in normal position in said cabinet, whereby if said chuck were placed at the ungrooved end of said roll said chuck plate would be held spaced from said ungrooved end and would require said arms to be positioned a greater distance apart than allowed by said means, and whereby such reverse mounting of the roll in the cabinet is thus prevented.

2,380,645
COMBINATION LOCK
Olof Hage, Goteborg, Sweden
Application February 10, 1943, Serial No. 475,337
In Sweden April 7, 1942
5 Claims. (Cl. 70—305)



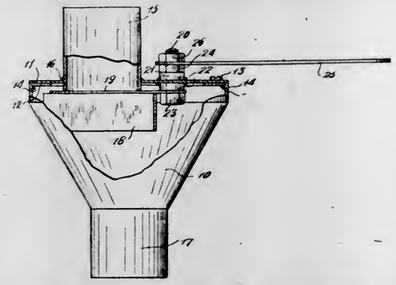
1. In a combination lock a movable spindle extending through the door, an adjusting arm attached to the spindle, a pivot pin, tumblers rotatably mounted on said pin to be adjusted by said arm into unlocking position and provided with notches in said position being underneath a movable cross bar of corresponding width coacting with the lock bolt, and a rectilinear guide for said cross bar extending radially of and held in position by said pivot pin.

2,380,646
FLEXIBLE COUPLING
George R. Harrington, Kalamazoo, Mich., assignor to Blood Brothers Machine Company, Allegan, Mich., a corporation of Michigan
Application October 4, 1941, Serial No. 413,604
2 Claims. (Cl. 64—21)



1. A universal coupling of the type described comprising a pair of similar rotatable coupling units each comprising a rotatable yoke including a substantially flat plate-like member disposed in a plane extending transversely of the axis of rotation of the yoke, said plate-like member having integral therewith and projecting from a face thereof a pair of diametrically opposed axially projecting ear-like bearing members, an elongated hollow outer center member having the pair of longer sides thereof disposed between and journalled on said ear-like bearing members on an axis normal to and intersecting the axis of the yoke, said plate-like member having perforations therethrough for passage of attaching means, each perforation being disposed within the angular distance between one of the longer sides of said elongated hollow member and a line connecting said ear-like bearing members, a post-like inner center member disposed in its entirety within the hollow interior of said outer center member and journalled therein on an axis intersecting and normal to the axis of the outer member, the axes of said inner and outer members being substantially coplanar, said inner member having splined means for internally receiving a connector shaft disposed normal to the plane of said members, and a connector shaft drivingly connected by said splined means to the respective inner members to drivingly connect said units, said connecting shaft being bodily supported by the splined means of the respective inner members to constitute a complete universal coupling.

2,380,647
GATE VALVE
John L. Henderson, Warrensville, Ohio
Application May 12, 1943, Serial No. 486,727
1 Claim. (Cl. 222—557)

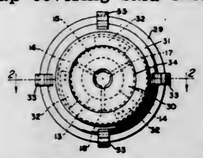


The combination, with a hopper-like casing having a cover, a centrally located outlet and a tubular inlet extending through said cover eccentrically with respect to the said outlet, a guide plate within said casing and connected at its opposite ends to the said casing and extending adjacent to the tubular inlet, the said plate being mounted vertically edgewise, a gate valve, a swivel pin to which one end of the said gate valve is secured, the said swivel pin being mounted for rotation in and extending through the cover, and an operating handle for said gate valve connected to said pin above said cover, the top edge of the guide plate being vertically spaced from the bottom of the tubular inlet a distance substantially equal to the thickness of the gate valve whereby the latter, when swung beneath the tubular inlet, will provide a substantially leakproof closure therefor.

2,380,648
COLLET JAW PROTECTOR
Jess L. Hite, Chula Vista, Calif., assignor to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California
Application September 1, 1944, Serial No. 552,281
7 Claims. (Cl. 279—46)

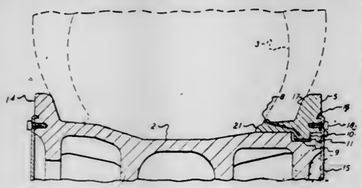
1. In a hollow spindle lathe, the combination of a rotatable hollow spindle, a collet with separated jaws installed within the hollow of said spindle, a shield covering the face of the head

of said collet and entrances to the spaces between its jaws, a cap covering said shield and adja-



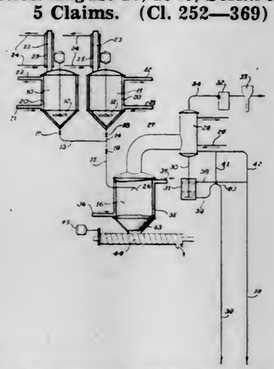
cent end and sides of said spindle, and quick detachable spring clamping means for securing said cap to said spindle.

2,380,649
WHEEL RIM FLANGE AND FAIRING ASSEMBLY
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application June 17, 1943, Serial No. 491,178
4 Claims. (Cl. 152—406)



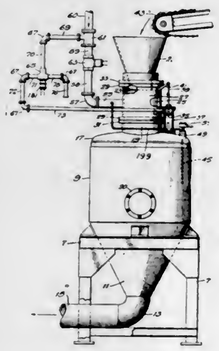
1. In combination with a tire carrying rim, an annular tire retaining flange at one side of said rim, an annular tire retaining flange at the other side of said rim, said second flange being transversely split into a plurality of parts, said rim having an annular radial groove adjacent the last named side thereof, a tailpiece on said second flange seating in said groove, a wheel fairing associated with said rim and extending between said second flange parts as a structural member, and means securing said fairing to each of said second flange parts whereby removal of the parts of said second flange from said groove by radial movement is prevented.

2,380,650
CONTINUOUS SAPONIFICATION PROCESS
Joseph John Jacobs, New York, N. Y., assignor to Autoxygen, Inc., New York, N. Y., a corporation of New York
Application August 17, 1940, Serial No. 353,030
5 Claims. (Cl. 252—369)



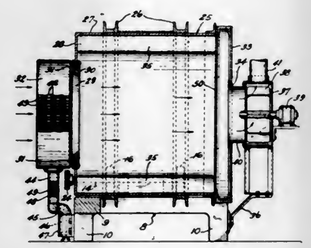
1. The continuous process of saponification which comprises the steps of mixing a saponifiable material, a saponifying alkali, and a volatile diluent, heating said mixture to effect saponification, providing sufficient sensible heat to vaporize the diluent and the hydroxy component of the products of saponfication at a predetermined pressure, discharging the saponified mass in a finely divided condition in a zone of lower pressure, and flashing off the volatile constituents of the saponified mass, thus precipitating the non-volatile portions.

2,380,651
PNEUMATIC EJECTOR
Harold T. Jeffery, Wilmette, Ill., assignor to Yeomans Brothers Company, a corporation of Delaware
Application February 11, 1943, Serial No. 475,577
2 Claims. (Cl. 302—53)



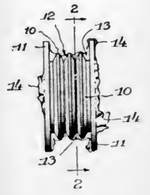
1. In apparatus of the class described, an elongated, upright receiver having an inlet opening adjacent its top and an outlet opening adjacent its bottom, conveyor means actuable to deliver material to be handled by said apparatus into said receiver through said inlet opening, a flap valve movable to open and to close the said inlet opening in said receiver, an air motor for operating said flap valve, a source of pressure air, means including a conduit and a three way valve for connecting said source of pressure air to said air motor, said three way valve being movable from a normal vent position, in which position said source of pressure air is disconnected from said air motor and said air motor is vented to the atmosphere, to an operating position, in which position said vent is closed and said air motor is connected to said source of pressure air, means including other conduit means and a main air valve for connecting said source of pressure air to the upper end of said receiver, said main air valve being movable from a normal closed position, in which position said source of pressure air is disconnected from said receiver, to an operating position, in which position pressure air is admitted to the upper end of said receiver, and an electrical control means including a timer mechanism which is operable to effect sequentially the stopping of said conveyor, the movement of said three way valve from the normal to the operating position thereof, thereby effecting movement of said flap valve to the closed position, operation of said main air valve to admit pressure air to the upper end of said receiver for a predetermined period of time sufficient to accomplish the pneumatic ejection of the contents of said receiver, the reclosing of said main air valve, movement of said three way valve to said vent position whereby said flap valve is reopened, and the starting up of said conveyor, said receiver outlet being open at all times during the operation of said apparatus.

2,380,652
TUMBLER
John P. Jorgenson, Wilmette, and Alfred G. Kling, Chicago, Ill., assignors to Kling Bros. Engineering Works, Chicago, Ill., a corporation of Illinois
Application August 13, 1943, Serial No. 498,518
8 Claims. (Cl. 34—132)



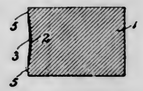
1. A tumbler comprising a supporting base, a cylinder having an imperforate periphery rotatable on said base on a horizontal axis and having a garment receiving opening at one end concentric with the cylinder, a heater having air passageways extending therethrough, means for movably supporting said heater on said base for movement into and out of closing registration with said garment receiving opening, an exhaust conduit communicating axially with the opposite end of said cylinder, means providing for rotation of the cylinder on the axis of said heater and exhaust conduit while the latter remain stationary, and means for causing movement of air from the exterior through said heater and axially through the cylinder to said exhaust conduit when the heater is in registration with said garment receiving opening.

2,380,653
METHOD OF REMOVING FINS FROM MOLDED PRODUCTS
William E. Kopplin, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill.
Application March 2, 1944, Serial No. 524,813
6 Claims. (Cl. 51—282)



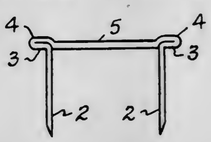
1. The method of removing fins from products molded from an elastomer which comprises subjecting said products to sub-normal temperatures for a length of time such that said fins become brittle, but the remainder of said products retain their non-frangible characteristics, and tumbling the same in a container to break off said fins.

2,380,654
METHOD OF PISTON RING MANUFACTURE
Paul S. Lane and Douglas Hamm, Muskegon, Mich., assignors to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan
Application November 30, 1942, Serial No. 467,410
3 Claims. (Cl. 29—156.6)



1. The method of producing a piston ring which consists, in providing a ring of larger exterior diameter than the selected ring diameter to be produced, forming a shallow annular recess of concave form in the outer surface of the ring reaching from one side to the other of the ring, the diameter of the ring at the bottom of said recess being less than the selected exterior ring diameter, applying a metallic plating to the outer exterior curved surface of the ring and over said recessed portion, and finishing the ring to selected size by machining and cutting away portions of the plating and the ring continuously around the same at its opposite outer corner portions, whereby spaced apart lands partly of the material of the ring and partly of the plating applied are made between which is a recessed portion covered with the applied plating.

2,380,655
STAPLE AND METHOD OF STAPLING
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, a corporation of Delaware
Application November 30, 1942, Serial No. 467,367
1 Claim. (Cl. 85—49)

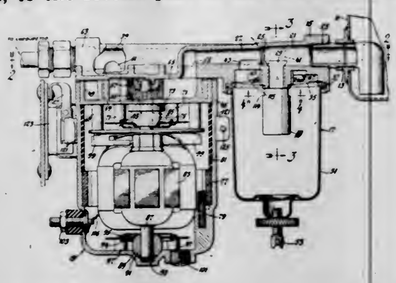


A new article of manufacture comprising an integral staple formed of a continuous strip of metal, the staple having spaced legs with outwardly turned loops at the top thereof, the tops of the loops being connected by a depressed crown, the undersurface of the crown being in the same plane as the undersurfaces of the loops whereby the undersurfaces of the loops and the undersurface of the crown bear against the work into which the staple is driven.

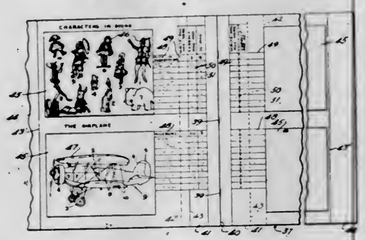
2,380,656
FUEL PUMP
Carleton J. Lauer and Roy L. Bowers, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 11, 1940, Serial No. 356,266
8 Claims. (Cl. 103—42)

1. In combination, a fuel tank of a motor vehicle and a conduit therefrom to supply the carburetor of the engine, said conduit having a first part and a second part, a fuel pump assembly mounted between said first part and said second part of the conduit, said assembly including a motor case, a motor and a superposed pump within said case, means forming a bypass between the high and low pressure sides of said pump, said pump having an outlet, means forming passages to deliver fuel from said outlet to

the motor case where it serves to lubricate bearings, to the second part of the conduit for supplying the carburetor and to the bypass whereby the pump may be driven continuously regardless of the fuel demand of the engine.



2,380,657
SELF-QUIZ TEST DEVICE
Charles Lorber, Louisville, Ky.
Application March 31, 1944, Serial No. 528,996
2 Claims. (Cl. 35—48)

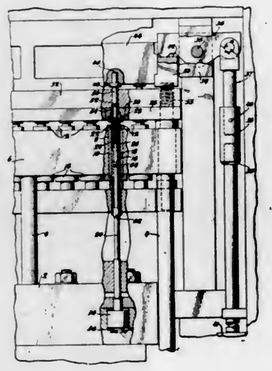


1. In a magazine-like structure having a series of sheets constituting the body of the structure, a supplemental sheet inserted at the center of the series of sheets and bound therewith along its center line, said supplemental sheet having two pages of equal width each formed with a pleat adjacent the center line of the supplemental sheet and when unfolded being wider than the pages of the body, whereby, when unfolded the lateral edge portions of the supplemental sheet may be folded under and inserted between selected sheets of the series of sheets at their lateral edges, said pleats being each defined by a pair of parallel fold lines and the lateral edge portions being defined from the remainder of the sheet by fold lines, said major section bearing printed matter constituting a series of problems for testing a user's knowledge and having an associated column of blank spaces for insertion of assumedly correct answers to said problems, said supplemental sheet also having a corresponding column of indications of true answers to said problems, said last column being associated with the pleated portion of the sheet and being hidden when the pleat is in folded position.

2,380,658
COMPOSITION OF MATTER
Rush F. McCleary and John R. Morris, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Original application June 5, 1942, Serial No. 445,962. Divided and this application January 6, 1943, Serial No. 471,495
7 Claims. (Cl. 260—429)

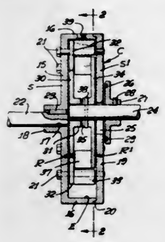
1. A metal xanthate of sulfurized cardanol.

2,380,659
PROCESSING MACHINE
Taine G. McDougal, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 18, 1941, Serial No. 402,973
8 Claims. (Cl. 18—16)



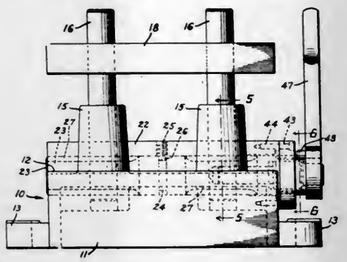
1. In a plastic molding press, a female die member having walls forming a cavity completely enclosed except at one end thereof and adapted to contain moldable material, a male die member, means to reciprocate one of said die members relatively to the other until the male die member has entered the female die through said one end and has compressed moldable material therein, cushioned means for the die member not reciprocable for preventing excess pressure being created should an excess of moldable material be within the die cavity, a packer rod reciprocable within the male die member and relatively to both die members, and means cooperating with the reciprocating means for actuating the packer rod near the end of the working stroke of the reciprocating means.

2,380,660
FLUID CLUTCH
William R. McKay, Compton, Calif., assignor of one-half to Harry F. Langlois and Herbert N. Langlois, both of Los Angeles, Calif.
Original application July 19, 1941, Serial No. 403,167. Divided and this application February 10, 1943, Serial No. 475,383
9 Claims. (Cl. 192—58)



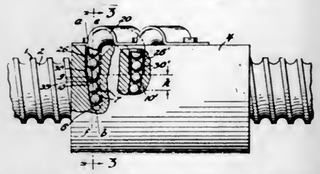
1. A fluid clutch, comprising; an axially rotatable casing; a driving rotor mounted for rotation within and with said casing but about an axis disalined to the rotational axis of said casing; and a driven rotor concentrically within said driving rotor and rotatable about the same axis as the latter.

2,380,661
CLAMPING FIXTURE
Newman M. Marsilius, Trumbull, Conn.
Application September 27, 1943, Serial No. 503,957
5 Claims. (Cl. 192—8)



1. A quick acting clamp including a pair of parts of which one is disposed within the other, the other of said parts being split to provide it with resilient expansible fingers, a lock ring about said split part, said inner part comprising a body and cam-like teeth within said split part and bearing against the fingers thereof, means for turning said inner part, a bearing means turnable with said inner part and engaging the outer surface of one of said fingers whereby on turning of said inner part in said outer part said engaged finger is held against expanding movement and the inner and outer parts are locked together and the other fingers of the latter are forced against and held by said lock ring.

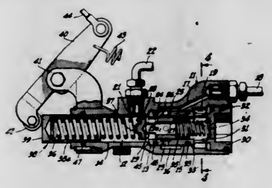
2,380,662
BALL BEARING SCREW AND NUT GEAR
Ralph P. Means, Jr., Saginaw, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 25, 1943, Serial No. 492,220
5 Claims. (Cl. 74—459)



1. In a screw and nut gear, a screw having a helical thread, a nut surrounding said screw and having a cooperating helical thread, said screw and nut threads forming a helical path, balls in said path, a transfer tube forming a supplemental path, said transfer tube having rectilinear arms tangent to the screw and extending in planes normal to the axis of said screw, said nut having rectilinear passages therein angularly related to the axis of the screw and to said arms and connecting the spiral path formed by the cooperating helical threads with the rectilinear arms of the transfer tube.

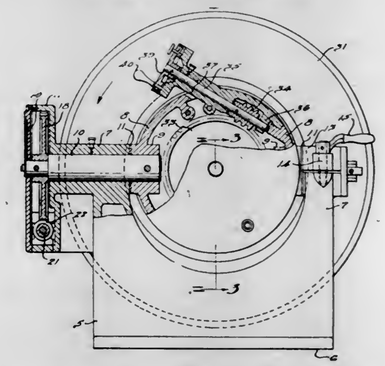
2,380,663
SIMPLIFIED BRAKE VALVE
Ralph E. Middleton, North Hollywood, Calif., assignor to Aireon Manufacturing Corporation, a corporation of California
Application June 20, 1942, Serial No. 447,778
3 Claims. (Cl. 303—54)

1. In a control device for regulating the application of fluid pressure from a source of fluid pressure to a fluid pressure operated mechanism, the combination of: a housing having a stepped cylindric chamber having two bores of different diameters, a first port toward the outer end of the larger bore leading to said mechanism, an annular second port toward the inner end of the larger bore leading to said source, and a bleeder port for said smaller bore leading to a low pressure zone; a removable closure wall for the outer end of said larger bore, said wall having an open work cage projecting inwardly of said bore; a liner for the inner end of the larger bore, said liner being of a smaller inside diameter than said smaller bore and being held against the stepped shoulder between said bores by said cage, said liner having an annularly disposed



port means communicating with said annular second port; a cup shaped slide valve reciprocable in said liner disposed with its end wall toward said smaller bore and having an annularly disposed port means of a shorter length than the distance along said liner bore wall between said liner port means and the inner end of said liner; a cup shaped plunger reciprocable within said smaller bore with its end wall at its outer end; a relatively heavy helical spring seated under compression between the said end walls of said valve and plunger; a control means for adjustably positioning said plunger longitudinally of said smaller bore; and a relatively light helical spring seated under compression between said valve and said removable closure wall.

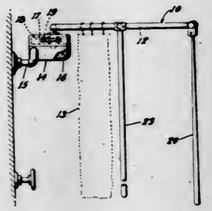
2,380,664
LAYOUT FIXTURE
Clarence H. Miller, Detroit, Mich., assignor to Machine Products Corporation, Detroit, Mich., a corporation of Michigan
Application October 29, 1943, Serial No. 508,179
1 Claim. (Cl. 33—174)



A checking or locating fixture comprising, in combination, a supporting base having the under side thereof finished to provide a substantially plane surface and having upwardly extending, spaced-apart arms which provide axially aligned bearings, a drum-like support having coaxial trunnions which are journaled in said bearings

to provide for turning movements of said support about an axis parallel to said plane surface, a table carried by said support, a worm wheel fixed to one of said trunnions, a housing for said worm wheel carried by one of said arms, a worm in said housing which meshes with said worm wheel, a shaft journaled in said housing for driving said worm, a handwheel carried by said shaft, means associated with one of said trunnions for indicating the angular position of said support and table with respect to said supporting base, a spindle journaled in said drum-like support for driving said table, the axis of said spindle being normal to the axis about which said support turns, a second worm wheel fixed to said spindle, a second shaft carried by and journaled in said support, a worm carried by said second shaft and meshing with said second worm wheel, said second shaft occupying substantially the same plane as said trunnions and having its axis angularly inclined with respect to the axes of said trunnions, and a second handwheel fixed to the end of said second shaft most proximate to said first mentioned handwheel, whereby as said first mentioned handwheel is operated to cause said support to turn on said trunnions, said second handwheel swings in an arc about the axis about which said support turns and in so doing maintains relationship between the two handwheels which will enable the latter to be operated with facility regardless of the angular position of said support with respect to said base and and the angular position of said table with respect to said support.

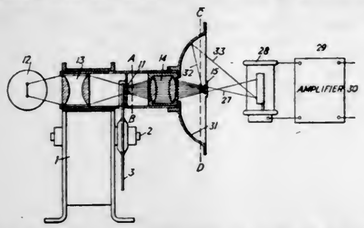
2,380,665
SHOWER FIXTURE
Claremont Robert Morris, New York, N. Y.
Application December 3, 1942, Serial No. 467,691
8 Claims. (Cl. 4—153)



1. A shower fixture comprising a mixing-head, shower-head curtain supporting sections pivoted to said mixing-head and having water passage connection therewith, means supplying water to said mixing-head, said sections having perforations therein for spray exit of water therefrom, and means for moving said sections toward and away from each other.

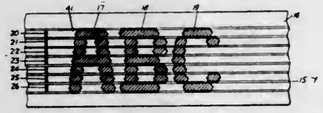
2,380,666
TELEGRAPH SIGNAL TRANSMISSION SYSTEM
Montford Morrison, Upper Montclair, N. J.
Application July 31, 1943, Serial No. 496,903
5 Claims. (Cl. 178—17)

1. In a telegraph signal transmission system employing optical pick-up from substantially opaque characters on a translucent paper support, comprising an optical system directing a light-beam upon the support and upon said characters to be transmitted, a photocell in the path of said light-beam and receiving light after said light has been transmitted through said support, and a concave reflecting surface gath-



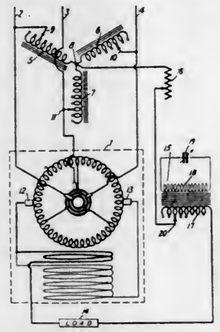
ering a substantial portion of the light reflected from said support and directing said light upon the cathode of the same photocell.

2,380,667
SIGNAL MODULATION MEANS
Montford Morrison, Upper Montclair, N. J.
Application August 4, 1943, Serial No. 497,347
5 Claims. (Cl. 178—17)



5. A tape for use in facsimile transmission; said tape having light transmitting characteristics and a plane surface having light reflecting characteristics; areas of said tape having light transmitting and light reflecting characteristics different from those of the main body of the tape; said areas having a plurality of extensions along the the boundaries thereof transverse of said tape; said extensions extending longitudinally of said tape and diminishing in transverse width as they extend away from said areas.

2,380,668
ARC-WELDING CONVERTER
Montford Morrison, Upper Montclair, N. J.
Application December 23, 1943, Serial No. 515,458
4 Claims. (Cl. 171—123)



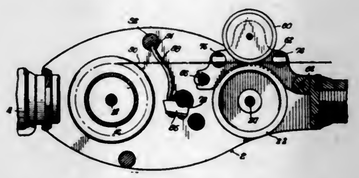
1. In a dynamoelectric device, a polyphase synchronous converter connected to a polyphase supply circuit, said circuit being shunted by a star-connected group of iron-core reactors providing a pronounced higher harmonic of voltage difference between the center connection of said star-connected reactors and the neutral voltage point of said converter, said neutral voltage point being the mid-value voltage present between commutator brushes of opposite polarity of said converter, a direct current load connected between said connection and one commutator brush of said converter, and said load connection including an alternating current circuit element selectively reactive to said higher harmonic.

2,380,669
WELL ANCHOR
Lester D. Mowrey, Wichita Falls, Tex.
Application March 11, 1943, Serial No. 478,777
7 Claims. (Cl. 166—1)



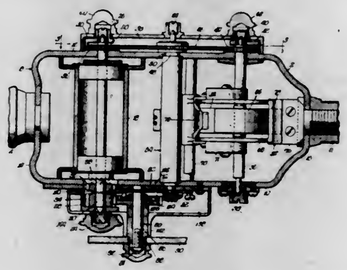
1. In an anchor of the character described, a body having an upstanding neck portion thereon, said body having a depending tubular portion with means for attachment with an object in a well to support said object therein, latch members extending downwardly within the body and having their upper ends pivoted to the body for outward swinging movement relative thereto, means tending to force the latch members outwardly to supporting positions, each of said latch members having an outwardly extending projection thereon in position to engage an abutment in the well to support said anchor, and off-set shoulder portions on the latch members in position for engagement by a supporting tool.

2,380,670
FISHING REEL
Noble A. Nelson, Chicago, Ill., assignor of one-fifth to Harold Freevol, one-fifth to Sam Smedberg, one-fifth to Howard Brandon, and one-fifth to Carl E. Anderson
Application August 23, 1943, Serial No. 499,602
6 Claims. (Cl. 242—84.7)



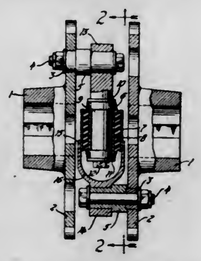
1. A fishing reel comprising a frame, a spool operatively mounted for rotation in said frame, a line conveyor comprising opposed rolls spaced from said spool and adapted to frictionally grip line at all times while the same is payed out from and retracted onto said spool, guide elements on opposite sides of said rolls and disposed with respect to said spool so that the fishing line at all times is payed out from said spool and through said guide elements and between said rolls in a plane substantially parallel to the axis of said spool, a driving connection between said spool and at least one of said rolls, and said drive having a clutch.

2,380,671
FISHING REEL
Noble A. Nelson, Chicago, Ill., assignor of one-fifth to Harold Freevol, one-fifth to Sam Smedberg, one-fifth to Howard Brandon, and one-fifth to Carl E. Anderson
Application March 25, 1944, Serial No. 528,100
12 Claims. (Cl. 242—84.1)



1. In a fishing reel, the combination of a frame, a spool operatively mounted for rotation in said frame, a line conveyor comprising opposed rolls spaced from said spool and adapted to frictionally grip line from said spool, a driving connection between said spool and at least one of said rolls, operating mechanism for said spool, and means controlled by said operating mechanism for moving one of said rolls with respect to the other to release said frictional engagement of said line during the retrieving of said line onto said spool.

2,380,672
FLEXIBLE COUPLING
William H. Opitz, Palos Heights, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1944, Serial No. 525,499
2 Claims. (Cl. 64—12)



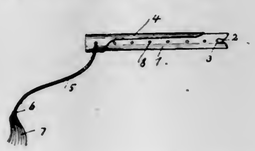
1. In combination with a pair of rotary members to be coupled in drive relation, of a series of motion transmitting connectors between said members, each comprising a plunger carried by one of the members, a cylinder having an open end to receive the plunger therein and a chambered head closing the other end and being carried by the other member, and a bushing of rubber or the like interposed between and secured to the cylinder and the plunger and cooperating with the chambered head to provide an air pocket dashpot.

2,380,673
VALVE STEM SILENCER
Adam Pastore, Bridgeport, Conn.
Application January 19, 1944, Serial No. 518,895
4 Claims. (Cl. 123—90)



4. In a valve, a valve head, a stem integral with said head and including a rigid section having a socket opening outwardly through its free end and a second section composed of a pair of members one secured within the socket of the valve stem against movement and the other slidably received in the socket and protruding therefrom to be engaged by a tappet of a valve lifter, and a substantially S-shaped spring connecting said members and confined within the socket.

2,380,674
HAIR CURLER
Adolph Reiter, New York, N. Y.
Application September 22, 1943, Serial No. 503,585
4 Claims. (Cl. 132—42)

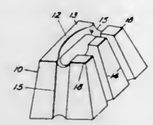


2. A hair curler comprising a tubular member consisting of a stiffened fabric, a tongue encircling the same on a portion of its circumference fastened to the other end of said base and spaced therefrom to permit the introduction of the hair strands, and a hair securing member of a non-stretchable and non-elastic material fastened to the one end of the base adapted to be secured in said recess.

2,380,675
CATALYST SEPARATION IN HYDROGEN BROMIDE CATALYZED OXIDATION REACTIONS
Frederick F. Rust, Berkeley, Calif., and Edward R. Bell, Norwalk, Ohio, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 13, 1944, Serial No. 526,334
12 Claims. (Cl. 260—586)

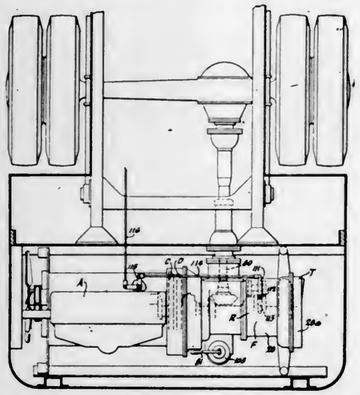
1. A continuous process for the production and recovery of acetone which comprises continuously contacting a vaporous mixture comprising propane and oxygen with hydrogen bromide, at a temperature of between about 100° C. and the temperature at which spontaneous combustion of the mixture occurs, and for a period of the time sufficient to effect the controlled catalytic oxidation of the propane to acetone, continuously contacting the vaporous reaction mixture, substantially as soon as it is formed, with an aqueous sodium carbonate solution thereby forming sodium bromide by the reaction of the sodium carbonate with the hydrogen bromide in said vaporous reaction mixture, separating the normally liquid fraction containing the acetone and the sodium bromide, separately recovering said acetone and said sodium bromide, treating said sodium bromide to regenerate hydrogen bromide therefrom, and continuously recycling at least a portion of said regenerated hydrogen bromide to catalyze the controlled oxidation of further amounts of propane.

2,380,676
BRANCHED STREAM CONTROL
Clinton L. Savidge, Toledo, Ohio, assignor to Mitchell & Smith, Inc., Detroit, Mich., a corporation of Massachusetts
Application December 27, 1943, Serial No. 515,864
2 Claims. (Cl. 49—55)



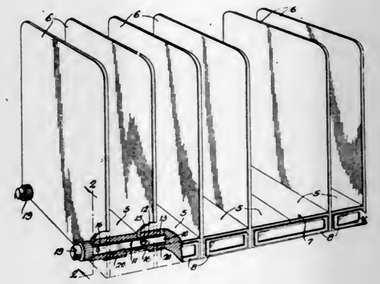
1. In the flowing of molten material for receiving treatment, stream condition control from a flow supply comprising a member having from its top, in an adjoining series three downwardly diverging sides, there being notches in the top communicating with grooves in the respective sides, said top forming a reservoir bounded by lips at the respective notches for overflow of molten material pool in the reservoir to be by way of the notches and then downwardly and outwardly along the grooves in directing free fall approximately uniformly of streams away from the member.

2,380,677
TURBODRIVE CONTROL
Hans O. Schjolin, Pontiac, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 16, 1939, Serial No. 299,643
18 Claims. (Cl. 74—472)



1. In motor vehicle controls, an engine, an engine throttle, an accelerator pedal therefor, a power shaft and a load shaft, variable transmission mechanism coupling said shafts, a lever for selecting initial drive by said mechanism, servo motor means for actuating said mechanism, control means for said motor means including a governor adapted to cause said motor means to actuate said mechanism in accordance with the speeds of one of said shafts, connections between said pedal and said control means adapted to set aside the action of said governor for given movement of said pedal; and additional means operative between said lever and said control means effective to cause said control means to determine actuation of said servo motor means upon movement of said lever in selecting initial drive by said transmission mechanism.

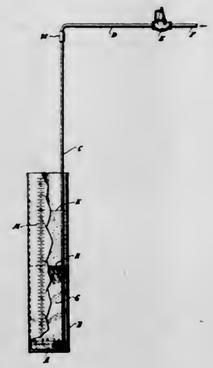
2,380,678
DESK FILE
Gustav J. Sengbusch, Milwaukee, Wis.
Application February 3, 1944, Serial No. 520,857
8 Claims. (Cl. 211—43)



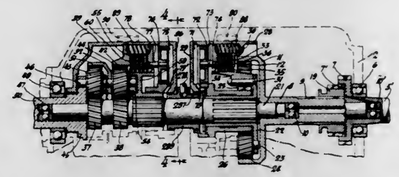
3. A desk file of the class described comprising an assemblage of a plurality of base bars and a plurality of partitions respectively extending upwardly from between adjacent base bars, said base bars and partitions having registering openings extending therethrough and forming a continuous passageway through said assemblage, and a rod extending through said passageway and embodying a pair of elongated sections having inner end portions of their lengths overlapped within said passageway, detachable means interconnecting said overlapped portions and locked in operative position by the surrounding walls of said passageway, the outer ends of the respective sections having means for clamping said assemblage tightly together.

2,380,679
APPARATUS FOR TESTING THE FOAMING CHARACTERISTICS OF LIQUIDS
Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1944, Serial No. 551,230
1 Claim. (Cl. 73—53)

Apparatus for testing the foaming characteristics of liquid comprising in combination with a measuring receptacle a separate, removable, dished base member adapted substantially to cover the bottom of said receptacle when positioned therein, an internal annular shoulder formed in the peripheral wall of said dished base member, a discardable filter disk of thin, sheet material supported on said shoulder, a ring threaded into said holder for clamping the disk in position, a pipe for gaseous fluids secured to said peripheral wall and communicating with a passageway leading to the enclosed space beneath said filter disk, said pipe being thereby removed from a position centrally of the body of liquid in said measuring receptacle in the path of rising bubbles from said filter disk, to minimize the adherence of bubbles thereto, and said filter disk being of large diameter or compared to that of the measuring receptacle, whereby bubbles rising through the body of liquid under test are substantially homogeneously distributed therethrough.



2,380,680
CLUTCH AND CONTROL
Earl A. Thompson, Bloomfield Hills, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 14, 1940, Serial No. 318,945, which is a division of application Serial No. 130,956, March 15, 1937. Divided and this application June 29, 1942, Serial No. 448,939
9 Claims. (Cl. 192—69)

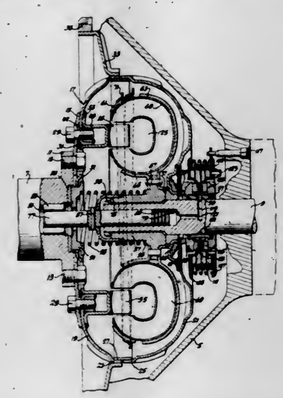


1. In power clutch mechanism for vehicles, in combination, a primary clutch member composed of multiple plates, a secondary clutch member composed of multiple plates interleaved with the plates of said first named member, the plates of said primary member being uniformly channeled on both faces, the plates of said secondary member being pretensioned in conoidal shape, unloading means arranged to exert axial force to separate said members, and loading means adapted to overcome said unloading means while supplying graduated loading force.

2,380,681
FLUID COUPLING
William S. Wolfram, Scotch Plains, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1942, Serial No. 445,036
8 Claims. (Cl. 192—3.2)

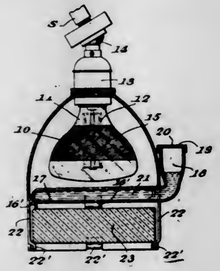
1. In combination, a driving member, a driven member, a hollow flywheel carried by the driv-

ing member, said driven member projecting into said hollow flywheel, a fluid clutch to couple said flywheel and driven member and including first and second parts non-rotatably connected to the flywheel and driven member, said first part having fins and an inner core, spring means to move said parts into operative relation and other means operable to effect relative movement of said parts whereby the fins of the second part



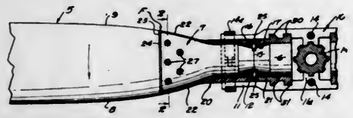
enter said core, one of said parts having a hub reciprocable on said driven member and said spring means surrounding and engaging said hub, together with a pawl on the flywheel and a cooperating pawl on that part of the coupling associated with the driven member whereby power means for driving the driving member may act as a brake to check rotation of the driven member.

2,380,682
APPARATUS FOR APPLYING RADIANT ENERGY
Edward W. Boerstler, Watertown, Mass.
Application April 14, 1941, Serial No. 388,361
4 Claims. (Cl. 88—107)



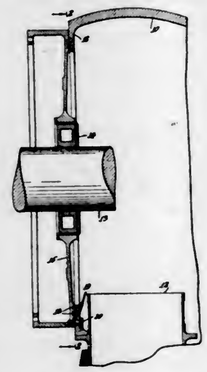
1. A filter system for use with an incandescent lamp projecting a beam of solar or super-solar intensity, comprising a pair of filters which are substantially coextensive in area, and means for supporting said filters in operative relation to the lamp and in positions substantially parallel to each other and substantially at right angles to the axis of the beam, one of said filters consisting of a body of methyl methacrylate resin of a thickness in the order of approximately from three to five inches for removing from the beam ultra-violet radiations and infra-red radiations of wave lengths approximately from 7600 A. U. to 12,000 A. U. while transmitting the visible radiations to the patient or target, and the other filter consisting of a cell containing a liquid filtering medium arranged between the resin filter and the emitting end of the lamp for removing from the beam radiations of wave lengths of approximately 12,000 A. U. and longer which would destructively affect the resin filter.

2,380,683
PROPELLER
James E. Carol, Los Angeles, Calif., assignor, by direct and mesne assignments, of forty-six and two-thirds per cent to C. Bland Jamison, thirty-three and one-third per cent to Collins Mason, and twenty per cent to Arthur E. Wright, all of Beverly Hills, Calif.
Application May 27, 1941, Serial No. 395,398
3 Claims. (Cl. 170—173)



1. In combination, a propeller hub having a radial socket, a blade having a shank extending into the socket, and a ferrule encompassing the shank, said ferrule with its carried shank being secured against escape from the socket and having a portion projecting outwardly from the hub and encompassing the blade adjacent the shank, the peripheral edge of the projecting ferrule portion being disposed diagonally inwardly from a point on the trailing edge of the blade spaced outwardly from the hub to a point on the leading edge of the blade nearer the hub.

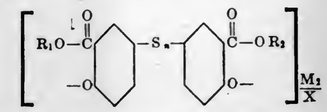
2,380,684
ATTACHMENT JOINT
Gilmoure N. Cole, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 10, 1944, Serial No. 562,849
7 Claims. (Cl. 308—23)



1. In an internal combustion engine, a crankcase, a removable web adapted to be secured thereto, cooperating spiral threads on the adjacent surfaces of said crankcase and said web permitting adjustment therebetween in the spiral course of said threads, and means for securing said web on said crankcase in any adjusted position.

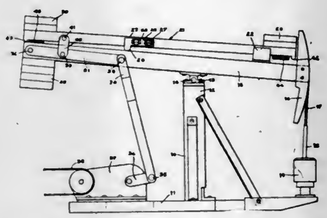
2,380,685
ESTERS OF SALICYLIC ACID MONOSULPHIDE AND SALTS THEREOF
Elmer William Cook, New York, N. Y., and William David Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 24, 1943, Serial No. 503,658. In Canada September 21, 1942
8 Claims. (Cl. 260—470)

1. Chemical compounds having the general formula



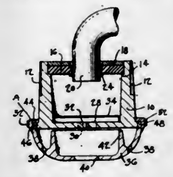
in which R_1 and R_2 are members of the group consisting of alkyl and cycloalkyl radicals having at least 4 carbon atoms, n is a positive integer not more than 2, M is a polyvalent metal radical and X is the valence of M.

2,380,686
PUMP JACK
Walter E. Cummins, Los Angeles, Calif.
Application June 12, 1944, Serial No. 539,958
5 Claims. (Cl. 74—41)



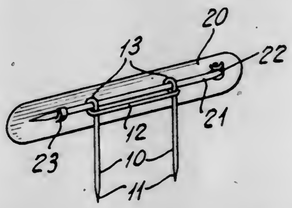
1. A counterbalance for a walking beam including an arm, means intermediate the length of the arm adapted to pivotally support said arm on a walking beam, each end portion of said arm including a part adapted to engage a walking beam as the arm rocks, a link pivotally engaging said arm, said link being disposed between the pivotal support for the arm and one end portion of the arm, and means adapted to pivotally connect said link to a crank member.

2,380,687
FAUCET ATTACHMENT
Max Durst, Philadelphia, Pa.
Application November 9, 1944, Serial No. 562,713
12 Claims. (Cl. 299—144)



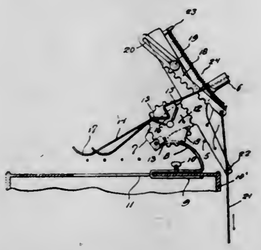
1. A faucet attachment including a first body having an upper opening adapted to receive and engage the discharge end of a faucet or the like, and a bottom wall having an aperture therein, a second body having a bottom opening and means defining a compartment within said second body including said bottom opening, at least a portion of said second body lying outside of said compartment being perforated, and means rotatably connecting said second body to said first body, said aperture and said compartment being so disposed that, when said second body is rotated in one direction, at least a portion of said compartment registers with said aperture whereby water flowing through said aperture is discharged as a solid stream through said bottom opening, and, when said second body is rotated in the opposite direction, the perforated portion of said second body registers with said aperture whereby water flowing through said aperture is discharged as a spray through said perforated portion.

2,380,688
DISPLAY HOLDER FOR BROOCHES
Morris Goodman, Miami Beach, Fla.
Application November 11, 1943, Serial No. 509,913
4 Claims. (Cl. 40—24)



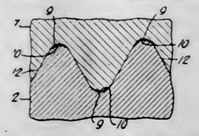
1. A brooch display holder comprising two substantially parallel pointed legs, a cross-piece connecting and abutting against the legs, and two substantially parallel eyes one at each of the points of connection of the legs and cross-piece for receiving and holding the pin of a brooch.

2,380,689
ATTACHMENT FOR MUSICAL STRING INSTRUMENTS
Thomas F. Goodwin, Muldrow, Okla.
Application October 4, 1943, Serial No. 504,939
4 Claims. (Cl. 84—320)



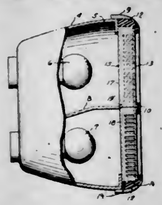
1. In an attachment for a string musical instrument, a supporting bar, means for securing said bar to a sound box of a string instrument, spring fingers constituting flexible strikers carried by said bar and normally spaced a limited distance from strings of the instrument, a rotatable member carried by the bar, pins on the rotatable member engageable with the strikers to flex the latter, and manually operated means for operating said rotatable member to bring about striking action of the strikers on the strings.

2,380,690
PIPE JOINT
James B. Graham, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application September 13, 1943, Serial No. 502,189
3 Claims. (Cl. 285—146)



1. A joint for drill pipe and the like comprising an exteriorly threaded portion arranged on the adjacent ends of the lengths of pipe adapted to be connected, an interiorly threaded coupling connecting the adjacent ends of said pipes, the exteriorly threaded portion on the end of said pipes and the interiorly threaded portion of said coupling having a taper approximately of from 1¼ inches to 1¾ inches per linear foot and having from four to six threads per inch, both the exterior threads on the pipes and the interior threads of said coupling having rounded crests and roots with the radius of the roots being slightly larger than that of the crests so as to provide a slight clearance between the crests and the respective opposed roots said clearance being sufficient to permit both flanks of each thread to bear against the flanks of the opposing threads over substantially their entire surface and insufficient to cause leakage through the joint, said taper and said bearing combining to prevent creeping of the lengths of pipe relative to the coupling when the drill pipe is rotated in use.

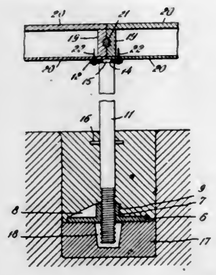
2,380,691
BLACK-OUT MARKER LIGHT
Charles Gross, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application November 25, 1941, Serial No. 420,383
6 Claims. (Cl. 177—329)



1. A marker blackout light shield to be normally used in upright position comprising a translucent plate having opening from its outer face a plurality of parallel, deep, slots of very narrow vertical widths to provide desired small vertical cut-off angles and of lengths greater than their widths to provide wider horizontal cut-off angles, said slots being open on the outer face of said plate, and an intensity reducing and diffusing filter on the inner face of said plate.

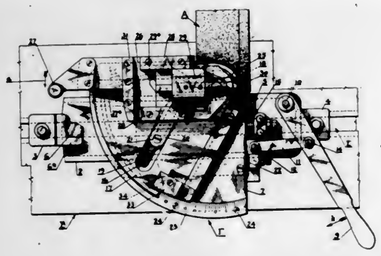
2,380,692
ADJUSTABLE BUILDING FOUNDATION
Foster Gunnison, Louisville, Ky., assignor to Gunnison Homes, Inc., a corporation of Delaware
Application June 22, 1942, Serial No. 447,899
2 Claims. (Cl. 72—77)

1. An adjustable building foundation for supporting a building above the surface of the ground comprising a foundation plate constructed to be deposited within the ground a substantial distance below the surface thereof, said plate having a threaded opening extending therethrough, a supporting shaft extending through said plate in threaded engagement with the opening therein, the threads on said shaft extending beyond both sides of the plate, said shaft being of such length as to have its upper end extend above



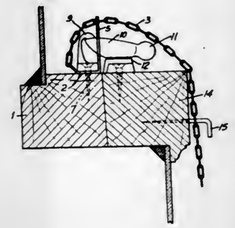
the surface of the ground a substantial distance and having a portion to be engaged to rotate the shaft, the plate having projections extending therefrom to engage the surrounding ground to prevent rotation of the plate when the shaft is rotated, a plate at the upper end of the shaft adapted to bear against the underside of the building to be supported, and a swivel connection between the upper end of the shaft and the plate.

2,380,693
WHEEL CONTOUR DRESSER
Ward H. Hahir, San Mateo, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application March 15, 1944, Serial No. 526,827
3 Claims. (Cl. 125—11)



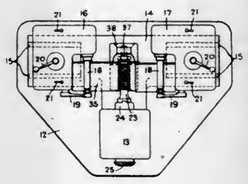
1. A contour dresser comprising a base plate, means for securing said plate to the table of a universal grinder, an index plate supported by the base plate, means for imparting longitudinal movement to the index plate upon the base plate, an intermediate plate pivoted to the index plate, a sliding plate supported by the intermediate plate, a pivot secured to the sliding plate, means for radially adjusting the sliding plate with relation to the pivot on the intermediate plate, a top plate supported by the sliding plate and free to swing about the pivot carried by the sliding plate, a head member supported by the top plate, a dressing tool carried by the head, means for radially adjusting the head and dressing tool with relation to the pivot about which the top plate swings, adjustable means limiting swinging movement of the top plate with relation to the sliding plate, adjustable means limiting swinging movement of the sliding and intermediate plates with relation to the index plate, and means for imparting swinging movement first to the top plate and then to the top plate and the sliding and intermediate plate in unison.

2,380,694
WINDOW LOCKING DEVICE
Tolbert Hannon, San Francisco, Calif.
Application March 27, 1944, Serial No. 528,273
5 Claims. (Cl. 292—264)



5. A window locking device for limiting opening movement of a pair of relatively movable window sashes having adjoining rails provided with interengageable hook and cam members for locking the sashes in closed relation, said device comprising a plate mountable upon one sash under one of the locking members, a flange upon the plate positioned to extend upwardly between the lock members and having an opening through which the cam member may be moved to lock the window, chain engaging means upon the plate in back of the flange, a chain having its ends secured to the chain engaging means and doubled to form a loop extending over the flange, means mountable upon the other sash for engaging the loop to limit relative movement of the sashes, and ears upon the ends of the flange for retaining the loop thereon.

2,380,695
MACHINE FOR CUTTING TUBULAR MEMBERS INTO RINGS
John William Howlett, London, England, assignor of one-half to Wellworthy Piston Rings Limited, London, England
Application October 7, 1943, Serial No. 505,366
In Great Britain December 22, 1942
3 Claims. (Cl. 29—70)



2. A machine for cutting metal tubular members into rings, including a rotatable spindle, a number of axially-spaced circular cutters to be carried on said spindle, other rotatable spindles on opposite sides respectively of the first spindle, for supporting the tubular members parallel to the first spindle, slides by which said other spindles are supported, lead screw and nut means for operating said slides for feeding purposes, and worm gearing through which all of said spindles are finally driven, said other spindles being driven at their ends remote from the end at which said first spindle is driven.

2,380,696
METHOD OF STERILIZING
Lawrence H. James, Silver Spring, Md.
No Drawing. Application January 20, 1943, Serial No. 473,003
8 Claims. (Cl. 21—56)

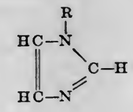
1. The method of sterilizing materials, which comprises the steps of, heating the materials to be sterilized to an elevated temperature in a substantially dry atmosphere, thereafter subjecting said materials while at said elevated temperature to an atmosphere containing a substantial amount of vapor of a volatile liquid for sufficient time to render said materials sterile, and maintaining the temperature of said materials sufficiently high and the pressure of said last mentioned atmosphere sufficiently low throughout the treatment of said materials with said vapor to prevent condensation of said vapor in contact with said materials.

2,380,697
CARBOXYLIC ACID ESTERS OF S-ALKYLOL ISOTHIOUREAS
David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 29, 1941, Serial No. 421,020
1 Claim. (Cl. 260—402.5)

The process of producing carboxylic acid esters of S-alkylol isothioureas which comprises heating an ester of a halogen-substituted aliphatic alcohol containing at least two carbon atoms and a carboxylic acid, selected from the group consisting of those derived from cocoanut-oil fatty acids, oleic acid and palmitic acid, with a substance selected from the group consisting of thiourea and N-substituted thioureas in an anhydrous solvent.

2,380,698
BENEFICIATION OF ACIDIC MINERALS
David W. Jayne, Jr., Old Greenwich, Harold M. Day, Cos Cob, and Elmer W. Gieseke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 31, 1942, Serial No. 437,034
8 Claims. (Cl. 209—166)

4. In a process of concentrating nonmetallic ore values from ores containing acidic silicious gangue, the step which comprises subjecting a pulp of the ore to froth flotation in the presence of a collector adapted to selectively float a major portion of the acidic silicious gangue and selected from the group consisting of products represented by the formula:

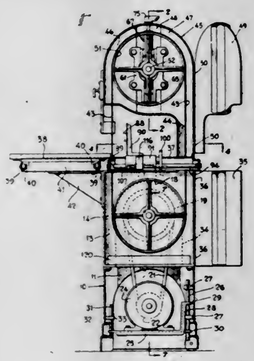


where R represents a higher alkyl radical containing from about eight to thirty carbon atoms and the salts of such products.

2,380,699
MONOALKENYL-SUCCINIC ACID MONO-ESTER SALTS
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 2, 1942, Serial No. 432,997
5 Claims. (Cl. 260—485)

2. An alkali-metal salt of a mono-ester of a mono-alkenyl-succinic acid and an aliphatic alcohol, said ester having a total carbon atom content in the range of 16 to 28, the alcohol radical of said mono-ester having from 2 to 14 carbon atoms, said alkenyl residue having at least 8 carbon atoms.

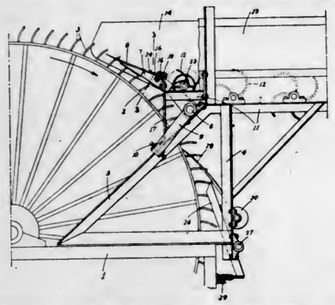
2,380,700
MEAT CUTTING MACHINE
William Lasar, Huntington Park, Calif.
Application February 18, 1943, Serial No. 476,264
8 Claims. (Cl. 143—174)



4. In a gauge assembly for a cutting device having a cutter and a table for supporting material while it is being cut by the cutter, the combination of: a gauge supporting body, means mounting said body for sliding movement toward and away from said cutter between a predetermined fixed working position and a retracted position, means for latching said body in said working position, a gauge, means mounting said gauge on said body for adjustable movement relative to said body toward and away from the cutter, whereby release of said latch means allows said gauge to be moved to retracted position without changing the adjusted position of said gauge relative to said body.

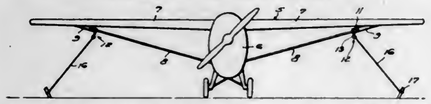
2,380,701
LEAF CUTTING ATTACHMENT FOR BEET HARVESTERS
Henry V. Lea and Lewis W. Schmidt, Rio Vista, and George P. du Bose, Stockton, Calif., assignors of twenty-one and one-fourth per cent to Claude A. Loucks, thirty-six and one-fourth per cent to Lloyd K. Schmidt, twenty-one and one-fourth per cent to Albert M. Jongeneel, and twenty-one and one-fourth per cent to said du Bose
Application February 24, 1944, Serial No. 523,630
12 Claims. (Cl. 55—107)

1. In a beet harvester, a spiked, beet pick-up wheel, a topping unit cooperating with the wheel including a plurality of topping elements disposed in side by side relation and generally tangent to the wheel, and a power driven sickle bar



unit extending transversely across and immediately adjacent said elements short of the forward ends thereof.

2,380,702
AIRPLANE MOORING APPLIANCE
Merle C. Persons, Fort Sill, Okla.
Application June 12, 1944, Serial No. 539,834
1 Claim. (Cl. 244—110)



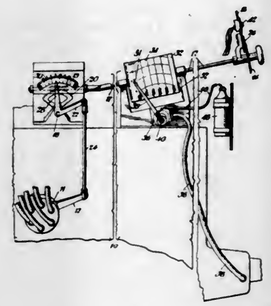
In an aircraft having a wing, strut and wing fitting for the strut, the wing fitting consisting of channeled members straddling the strut, said channeled members and strut being formed with registering openings, a U-shaped member provided with parallel wing members on its leg portions adapted to be disposed in the channels of the channeled members and being formed with openings registering with the aforementioned openings, and a bolt disposed through all of the said registering openings for securing the opening-formed parts together, said U-shaped member forming a mooring line attachable eye.

2,380,703
ALUMINUM CHLORIDE CATALYST
Charles W. Montgomery, Oakmont, and Norman W. Franke, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application December 21, 1942, Serial No. 469,708
3 Claims. (Cl. 252—225)

1. A prepared catalyst having low sludge forming characteristics and adapted to be used in the solid state comprising small lumps of high crushing strength of aluminum chloride which has been fused and is substantially free of any carrier and is uniformly impregnated with hydrogen chloride in a ratio of aluminum chloride to hydrogen chloride between 15:1 and 7:1.

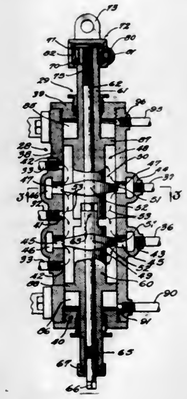
2,380,704
MOTOR FUEL KNOCK RATING
John D. Morgan, South Orange, and Percy B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application March 28, 1941, Serial No. 385,657
9 Claims. (Cl. 73—35)

1. An instrument adapted for making comparative knock rating records of spark ignition motor fuels which comprises, means for manually varying the spark advance of the motor, a recording chart drum mounted for actuation by said means, a tachometer having a pointer arranged to move over said drum in response to variations



in motor speed, and manually controlled means for recording on the chart the relative positions of the tachometer pointer and drum at instants in motor operation when audibly matching trace knocks occur.

2,380,705
VARIABLE SENSITIVITY CONTROL VALVE
Ralph R. Proctor, Glendale, Calif.
Application June 20, 1942, Serial No. 447,779
12 Claims. (Cl. 121—46.5)

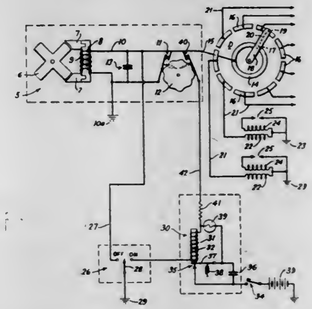


2. In a control valve of the general class described, the combination of: a body having therein spaced pressure and return ports, and a pair of service ports disposed between said first named ports; actuating means extending within said body; a pair of valves disposed to simultaneously cooperate with said service ports, said valves receiving operating movement from said actuating means, and said valves varying in dimension of service port coverage in the direction of their operating movement by said actuating means; adjusting means for moving said valves in a direction transverse to the said direction of said operating movement by said actuating means whereby said varying dimensions of the service port coverage thereof may be brought into coperating relation to said service ports; and means for effecting relative movement of said valves.

2,380,706
PRODUCTION OF REFINED WOOD PULP
George A. Richter, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 1, 1942, Serial No. 441,344
8 Claims. (Cl. 260—229)

1. A process of preparing wood pulp for acetylation purposes which comprises treating the pulp with aqueous caustic alkali of at least 10% strength until at least partial mercerization has occurred followed by treating the pulp with an aqueous solution of an alkali metal salt of a weak acid at an elevated temperature.

2,380,707
IGNITION MEANS
Marc C. Sawyer, Otsego County, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application May 12, 1943, Serial No. 486,723
19 Claims. (Cl. 123—148)

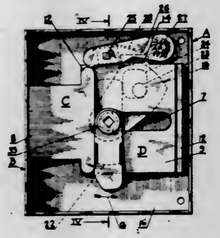


2. An ignition system comprising a main circuit including a source of electrical current, a circuit breaker through which current from said source normally flows, a condenser connected in parallel with said circuit breaker, means for periodically opening said circuit breaker, current distributing means having an input terminal to which current from said source flows when said circuit breaker is in open position and a plurality of ignition coils having the primary windings thereof connected to the output terminals of said distributor means for successive connection to said source, an auxiliary circuit comprising a second source of electrical current, a buzzer including a self induction coil connected with said second source and means connecting one end of said coil to ground, and means connecting the other end of said coil to the input terminal of said distributor.

2,380,708
DOOR LOCK
Walter R. Schlage, Burlingame, and Ward H. Hahir, San Mateo, Calif., assignors to Schlage Lock Company, San Francisco, Calif.
Application July 12, 1943, Serial No. 494,296
1 Claim. (Cl. 292—140)

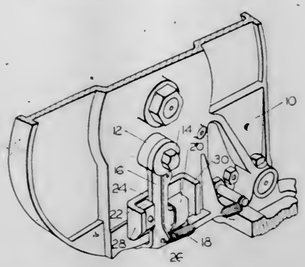
In a lock of the character described, a housing, a latch bolt and a connected retractor plate slidably mounted in the housing, said latch bolt being laminated in construction and consisting of four united plates the two innermost of which are extended to form a retractor plate having a thickness about half that of the latch bolt so as to form a space between the lock housing and each

side of the retractor plate, a pair of independently operated spindles journaled in opposite sides of the housing, a rollback member on each spindle and disposed on opposite sides of the retractor plate and in the spaces formed between the housing and opposite sides of the retractor plate, a dogging lug on the retractor plate, a spring actuated dogging arm normally engaging



the dogging lug and deadlocking the latch bolt, and a pair of spaced shoulders formed on each side face of the retractor plate, said rollback members during rotation of either spindle first engaging the dogging arm and releasing it with relation to the dogging lug and then engaging one or another of the spaced shoulders on the side of the retractor plate adjacent thereto to either extend or retract the latch bolt.

2,380,709
BOBBIN SUPPORT STOP
Albert Shoesmith, Fall River, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application June 19, 1944, Serial No. 541,038
4 Claims. (Cl. 139—251)



1. In a bobbin changing loom, a hopper stand, a swinging bobbin support for supporting a bobbin in bobbin transferring position, means on said hopper stand for limiting movement of said bobbin support in one direction, and means supported by said first-mentioned means and located between said bobbin support and said hopper stand for limiting movement of the bobbin support in the other direction.

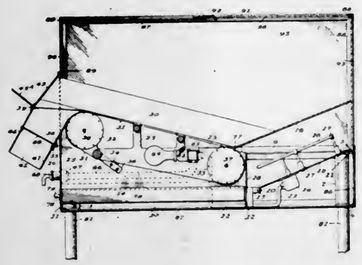
2,380,710
CATALYSTS FOR POLYMERIZATION REACTION
William D. Stewart, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application October 22, 1941, Serial No. 416,087
12 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing in the form of an aqueous emulsion a mixture comprising butadiene-1,3 and a monomer copolymerizable therewith in aqueous emulsion, in the presence of a mixture of dicyandiamidine and a water-soluble salt of a heavy metal of group VIII.

2,380,711
CHROMIUM-FREE AIR-HARDENING ALLOY STEELS AND ARTICLES OF MANUFACTURE PRODUCED THEREFROM
Enrique G. Touceda, Loudonville, and Ralph P. De Vries, Menands, N. Y., assignors to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application July 28, 1942, Serial No. 452,638
10 Claims. (Cl. 75—125)

1. A tool, die and structural steel consisting of the following elements in substantially the following amounts: .05–2.50% of carbon, .50–2.50% of silicon, .75–3.25% of manganese, .25–2.50% of molybdenum, .35–2.00% of copper and .03–.30% of beryllium, the balance being substantially all iron except the usual impurities in common amounts.

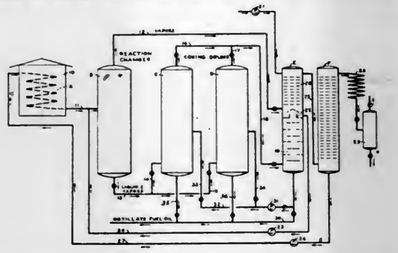
2,380,712
MODERN FOOD DISPENSING AND DISPLAY CASE
John H. Walborn, Harrisburg, Pa.
Application October 9, 1941, Serial No. 414,387
3 Claims. (Cl. 34—88)



1. A pretzel heater, display and dispensing device comprising a receptacle for the food product, a top for said receptacle formed with movable sections to give access to the interior, a conveyor at the bottom of the receptacle, a dispensing device for the food product associated with the receptacle and communicating with the interior thereof adjacent the conveyor and formed with a cut-off means having devices for returning the same to closed position, a supplementary floor device supporting the food products in spaced relationship to the bottom of the receptacle, and heating and illuminating means between the bottom and the floor.

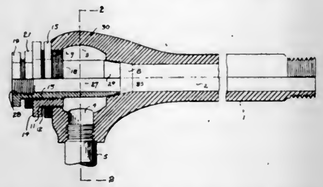
2,380,713
COKING HYDROCARBON OILS
Howard Wilson, Lockport, Ill., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 6, 1942, Serial No. 453,783
3 Claims. (Cl. 196—58)

1. In a process wherein hydrocarbon oil is subjected to coking by the delivery of heated oil to a plurality of coking chambers successively, the process that comprises delivering a stream of heated oil to a given coking chamber and subjecting the contents thereof to coking, passing the resultant evolved vapors from said coking chamber to a dephlegmating zone wherein the vapors are subjected to a separate primary dephlegmation at high temperatures and in the absence of residual charging stock to produce a pool of tarry condensate adapted for fuel oil, normally withdrawing tarry condensate from said pool as a product of the process, diverting said tarry condensate near the end of the coking cycle in said coking chamber to another of the coking



chambers to thereby preheat such coking chamber, substantially completely draining the pool of tarry condensate from the dephlegmating zone during such period of diversion to effect removal therefrom of heavy coke-forming constituents, then diverting said stream of heated oil to the preheated coking chamber and subjecting the contents thereof to coking, passing the resultant evolved vapors to the dephlegmating zone and resuming the normal withdrawal of tarry condensate from the system.

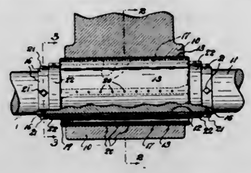
2,380,714
EJECTOR
David Frederick Winteringham, Vancouver, British Columbia, Canada, assignor to Alfred W. Carter, Vancouver, British Columbia, Canada
Application June 29, 1944, Serial No. 542,742
3 Claims. (Cl. 103—272)



1. An ejector having an annular propellant jet comprising a body having a bore and a propellant fluid chamber, an inner sleeve adapted for connection to a suction pipe and having a conical extremity at its inner end, said bore having a conical recess adapted to receive the conical extremity and define the annular jet, an outer sleeve having an inner thread engaging the inner sleeve and an outer thread engaging the body, said threads being of different pitch whereby rotation of the outer sleeve per se will move the inner sleeve relative to the body to vary the width of the annular jet.

2,380,715
Application March 17, 1944, Serial No. 526,928
Evender S. Aker, Belleville, N. J.
Application March 17, 1944, Serial No. 526,928
8 Claims. (Cl. 308—238)

1. A shaft journal structure comprising a plurality of longitudinal journal sections adapted to be assembled in side by side relation and affixed upon and in surrounding relation to the shaft to be served, each section comprising a rigid bottom plate transversely curved to fit the shaft contour, and a journal body of non-metallic material of conformably transversely curved shape affixed to said bottom plate, said body having at least one water flow passage extending longitudinally therethrough from end to end thereof from which

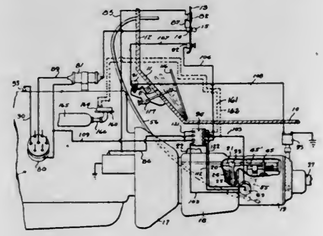


lubricating water may be radially discharged to bathe the external bearing surface of the journal body and the contiguous surface of a supporting bearing in which the journal structure is mounted, said water flow passage having a scoop mouth formation at one end inclined in one direction of shaft and journal structure rotation and a similar scoop mouth formation at its opposite end inclined in the reverse direction of shaft and journal structure rotation.

2,380,716
WATER SOLUBLE COMPOUNDS HAVING VITAMIN K ACTIVITY
Bernard R. Baker, Nanuet, N. Y., assignor to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1942, Serial No. 448,494
2 Claims. (Cl. 260—461)

1. An alkali forming metal salt of monoacetyl-2-methyl-1,4-naphthohydroquinone monophosphoric acid ester.

2,380,717
APPARATUS FOR CONTROLLING TRANSMISSION MECHANISM
Lester L. Beltz, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 17, 1942, Serial No. 427,096
12 Claims. (Cl. 74—472)



1. In apparatus for controlling an internal combustion engine driven overdrive mechanism have planetary gearing including a sun gear, the combination comprising a sun gear locking pawl means, a spring normally holding the pawl means released from sun gear locking position, means for moving the pawl means into sun gear locking position against the action of said spring, torque controlled means movable to block movement of said pawl means into locking position with the

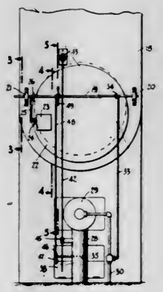
sun gear, and automatically effective means for interrupting engine operation for an interval sufficient to obtain reversal of the torque effect on said blocking means when movement of the pawl means into locking position is initiated.

2,380,718
MANUFACTURE OF PAPER FOR STENCIL SHEETS
Irene Elisabeth Berkovits, New York, N. Y.
Application November 28, 1940, Serial No. 367,535
12 Claims. (Cl. 101—128.2)



1. Thin fibrous sheet material adapted for conversion into stencil sheet by incorporation therewith of ink-impervious material capable of being rendered locally ink-permeable by stylus impressions, consisting of a thin, flatwise compact sheet of carded, predominantly parallel, long cotton fibers, said fibers being provided with adhesive material comprising paper size securing them together and constituting an ink-permeable, compressed, paper-thin sheet.

2,380,719
AIR AND FUEL SUPPLY CONTROLLING MEANS FOR FURNACES OR THE LIKE
Homer E. Blauvelt, Flushing, N. Y.; Thelma R. Blauvelt executrix of said Homer E. Blauvelt, deceased
Application April 11, 1941, Serial No. 388,033
6 Claims. (Cl. 158—1)

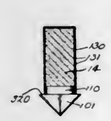


1. In combination with a heating apparatus having a front plate, a fuel burner and means for supplying fuel to said burner; means for controlling the supply of fuel to said burner, said means including spaced bearings fixed to said plate, a rotatable shaft mounted in said bearings, means for admitting primary air to said apparatus, means for admitting secondary air to said apparatus, means for controlling the quantity of primary air to said apparatus, means for controlling the quantity of secondary air to said apparatus; one of said air controlling means comprising a member fixed to said shaft mounted in said bearings to rotate therewith, said member having a curved slot, a valve device for one of said air admitting means, an arm connected at one end to said device and having a weight adjacent its other end, a link pivotally connected at one end to said arm between said weight and said device, and a member at the other end of said link slidable in said slot; the other of said air controlling means comprising a member fixed to said shaft mounted in said bearings to rotate therewith, said last mentioned member having a curved slot, a movable damper device for the other of said air admitting means, a flexible connection, one end of said connection being secured to said last mentioned device, and a member fixed to the other end of said connection and slidable in said last mentioned slot.

2,380,720
PRODUCTION OF DEHYDRATED CASTOR OIL
Herman S. Bloch, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 26, 1943, Serial No. 488,562
5 Claims. (Cl. 260—405.5)

1. A process for dehydrating castor oil which comprises passing a castor oil at a dehydrating temperature over a catalyst comprising a calcined composite of a phosphoric acid and a siliceous adsorbent, said composite having been calcined at a temperature sufficient to effect chemical combination between the acid and the siliceous adsorbent.

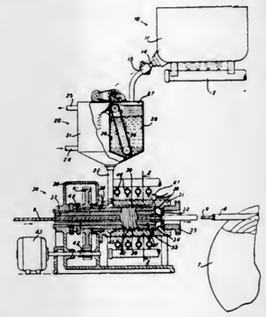
2,380,721
FERTILIZER CARTRIDGE
Hobart A. Brigden, Milwaukee, Wis.
Application September 27, 1941, Serial No. 412,672
2 Claims. (Cl. 47—1)



1. A fertilizer cartridge comprising as a prefabricated unit a point adapted to be inserted under pressure in the earth, said point being of tapering form and having at its rear end a shoulder providing a shank of reduced diameter, a container connected with the shank and materially smaller in cross section than the maximum cross section of the point at said shoulder, whereby to be protected by said point and shoulder during pressure insertion of the point and container into the earth and to afford room for engagement of said shoulder externally of said container by a driving tool, and a charge of fertilizer in the container, said container having a moisture permeable wall.

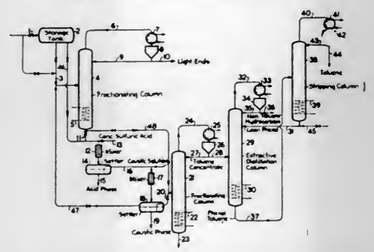
2,380,722
METHOD OF AND APPARATUS FOR MAKING ARTICLES
George R. Brown, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1942, Serial No. 433,490
10 Claims. (Cl. 207—1)

1. The method of forming an elongated metal article of continuous homogeneity of substance which comprises steps of forming a molten body of a lead alloy capable of segregation, forming the molten metal into oxide free solid particles chilled too rapidly for segregation to occur in the substance thereof, heating the particles to a plastifying temperature too low to effect segregation therein, and forming and uniting the



heated particles by continuous extrusion under pressure into a continuously homogeneous elongated article.

2,380,723
EXTRACTIVE DISTILLATION
Guy Clement Cunningham, Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 10, 1942, Serial No. 457,875
9 Claims. (Cl. 202—57)



1. In a process for separating an aromatic hydrocarbon from a gasoline distillate containing it together with more saturated hydrocarbons and diolefins wherein said distillate is distilled in contact with a phenolic solvent under conditions to take overhead said more saturated hydrocarbons and to produce a bottom product of said solvent containing dissolved said aromatic hydrocarbon, and wherein said bottom product is redistilled to separate said aromatic hydrocarbon from said solvent and at least a portion of this separated solvent is returned to contact further quantities of said distillate, the improvement comprising subjecting said distillate to treatment to remove diolefins and to reduce the peroxide number such that the sum of M. A. V. plus 10 times the peroxide number of the treated distillate is below 10, and thereafter distilling the treated distillate in contact with said solvent.

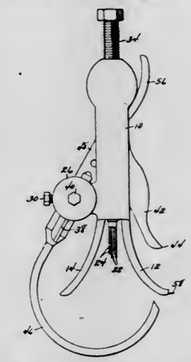
2,380,724
WOOD SCREW
Earl G. Crooks, Binghamton, N. Y., assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y., a corporation of New York
Application January 12, 1944, Serial No. 517,994
1 Claim. (Cl. 85—46)

A wood screw comprising a straight cylindrical shank of uniform diameter; a head at one end thereof; and sharp faced knife-like threads of greater height than base on said shank spaced from the head and outer tip of the shank; said thread having its upper face disposed normal to the axis of the shank, and having its lower face inclined thereto; and said thread having a uniform outside diameter throughout its length;



said threads having a steep pitch of approximately four to eight threads per inch; and the cylindrical portion of the shank below the threads forming a lead for the threaded portion when entering a pre-drilled hole of substantially the same diameter as the shank.

2,380,725
CABLE TOOL
George W. Crowder, Los Angeles, Calif.
Application November 4, 1943, Serial No. 509,020
5 Claims. (Cl. 30—91)



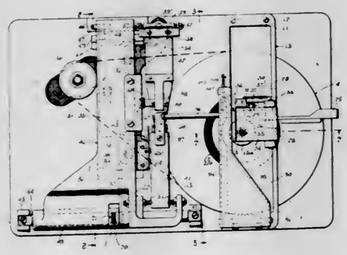
1. An insulated cable tool, comprising an elongated handle having a bore extending axially therethrough, a part of which is threaded, an abutment screw extending from one end into the threaded part of the bore, a pair of curved, relatively diverging jaws carried at the other end of the handle to hold a cable, an adjustable hook shaped member attached to the handle and projecting across the jaws but spaced therefrom to engage a cable in the jaws, and an adjustable knife element in the unthreaded part of the bore and projecting between the jaws to contact and cut the insulation of a cable held between the jaws and the hook.

2,380,726
CHLORINATED SYNTHETIC RUBBER
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 10, 1941, Serial No. 422,401
4 Claims. (Cl. 260—84.5)

1. A chlorinated mixed polymerizate of 1,3-butadiene and acrylic nitrile containing from 1

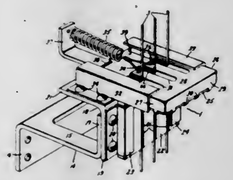
to 3 per cent by weight of chlorine, the said polymerizate containing from 20 to 40 per cent by weight of acrylic nitrile.

2,380,727
PHONOGRAPH
Charles W. Dann, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 7, 1942, Serial No. 464,834
15 Claims. (Cl. 274—13)



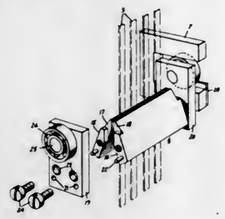
1. In a phonograph including a support onto and from which a record may be mounted and removed, means actuatable to secure a mounted record to said support, and a record cooperable translating device: the combination of means associated with said translating device and operable to adjust the device into and out of operative condition in relation to a mounted record; restrictive means operatively coupled to said securing means for rendering said adjusting means ineffective, said restrictive means being released by said securing means for movement to ineffective position when said securing means is actuated; and means operatively coupled to said restrictive means and operatively associated with said support for controlling the release of the restrictive means according to whether or not a record is mounted on said support.

2,380,728
DIE FOR COATING FIBER-INSULATED WIRE
Robert H. Denham, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 2, 1944, Serial No. 538,521
3 Claims. (Cl. 91—53)



1. Die for coating fiber-insulated wire comprising a horizontally extending angle iron having a vertical and a horizontal leg, a block of resilient material rigidly mounted on the vertical leg, guide means secured to the horizontal leg, a casing and a second block of resilient material therein slidingly mounted in the guide, and means biasing the casing across the horizontal leg.

2,380,729
DIE FOR COATING RIBBON WIRE
Raymond L. Kierspe, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 9, 1944, Serial No. 548,743
10 Claims. (Cl. 91—53)



1. In an apparatus for applying liquid coating material to a ribbon wire the combination of a support including two U-shaped brackets with horizontally extending parallel legs and a die for removing excessive coating material from such wire after having passed through a body of liquid coating material, said die having two plates arranged at an angle towards each other, said plates being formed with extensions having adjacent parallel surfaces forming a wiping slot, and means including ball bearings secured to the ends of the plates and supported between the legs of the U-shaped brackets.

2,380,730
COMB
George Demyanovich, Coaldale, Pa.
Application September 17, 1943, Serial No. 502,824
1 Claim. (Cl. 132—11)

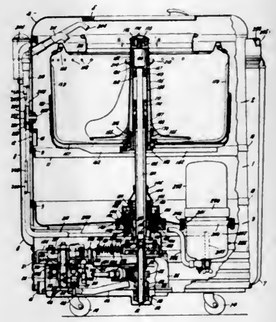


A comb comprising a back increasing in both thickness and width from one end to the other and having teeth arranged in spaced pairs, the teeth in the respective pairs being spaced one from the other, and the spaces between the respective pairs being of greater depth than the spaces between the teeth in the pairs, all the teeth and the spaces between the pairs and between the teeth in the respective pairs progressively shortening from the wide end of the back to the narrow end of the back, each pair of teeth comprising a long tooth and a short tooth, with the ends of the long teeth terminating in a straight line and the ends of the short teeth terminating in a straight line located between the back and said first-mentioned straight line.

2,380,731
RESTORATION OF CATALYSTS
Leonard C. Drake, Wenonah, and John Herman and Eugene T. Scafe, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 9, 1941, Serial No. 422,230
5 Claims. (Cl. 252—239)

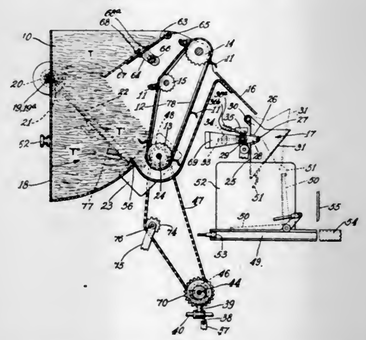
1. A process for restoring a clay-type alumina-containing catalyst which has become spent in a series of cycles of alternate conversion of hydrocarbons and regenerations and which has acquired an appreciable increase in iron content during service which comprises leaching said catalyst with an aqueous solution of an organic acid selected from the group consisting of oxalic acid, acetic acid and lactic acid, thereby removing substantially all of the iron content and thereafter removing substantially all of the leaching solution.

2,380,732
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application April 30, 1941, Serial No. 391,113
9 Claims. (Cl. 68—12)



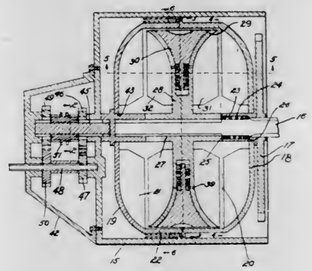
1. In a washing machine, a tub, a rotatable clothes receptacle in and overflowing to the tub, means for pumping liquid from the tub to the receptacle, a liquid supply conduit having a nozzle discharging into the receptacle, a control movable to the liquid supplying and pumping positions, a timer for moving the control to the liquid supplying and pumping positions, means for holding the control in the liquid supplying position, and means responsive to the liquid in the bottom of the tub for releasing said holding means.

2,380,733
HOPPER CONSTRUCTION
James P. Durning. St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 29, 1940, Serial No. 363,247
9 Claims. (Cl. 249—4)



2. A scrap tobacco feed comprising a hopper, means for removing tobacco from said hopper, a tobacco flow adjusting plate mounted in said hopper for governing the amount of tobacco fed from the upper portion to the lower portion of the hopper, a tobacco pusher plate hinged to the rear of said hopper for guiding tobacco to a limited portion of the tobacco removing means, positively actuated interconnected mechanism for driving said tobacco removing means and for swinging said hinged pusher plate gradually toward said means to lift said tobacco of said supply and deliver the same into the range of operation of said moving means, and means operative in response to the quantity of tobacco removed from said hopper for controlling the movement of said plate.

2,380,734
HYDRAULIC TRANSMISSION
Rollie R. Eastin, Detroit, Mich., assignor to John W. Hurley, Detroit, Mich., as trustee
Application December 16, 1941, Serial No. 423,192
3 Claims. (Cl. 192—3.2)

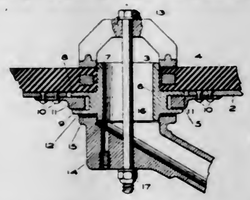


1. A hydraulic transmission of the class described, comprising; a driving shaft; a liquid receiving housing having oppositely disposed walls and rotatably mounted on said shaft; a plurality of radially directed spaced vanes projecting inwardly from the inner face of said walls; an agitator mounted on said shaft for rotation in unison therewith; a plurality of spaced radially directed vanes projecting outwardly from opposite faces of said agitator and terminating in spaced relation to opposed vanes on said walls; the periphery of said agitator being grooved to form a channel; a plurality of radially movable segments positioned in and filling said channel and, movable radially outwardly, upon the rotation of said agitator at a predetermined speed, into engagement with the inner surface of said housing for effecting a rotating of said housing in unison with said agitator.

2,380,735
OUTLET CONNECTION FOR LIQUID CONTAINING TANKS
William K. Ebel, Kingsville, and Francis J. Pepersack, Towson, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application August 25, 1943, Serial No. 499,896
4 Claims. (Cl. 285—38)

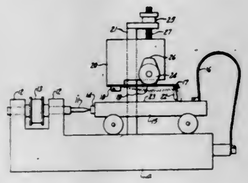
1. In combination with a tank for liquid having a flexible cell wall provided with an opening, a supporting wall provided with an opening aligned with the opening in said flexible wall, a connection comprising a hollow adaptor disposed in said openings, means forming a liquid seal between the adaptor and the exterior side of said flexible wall, means permitting limited relative

movement of the adaptor and the supporting wall and including axially spaced surfaces on the



adaptor and a stiff member secured to the supporting wall and projecting into the space between said surfaces.

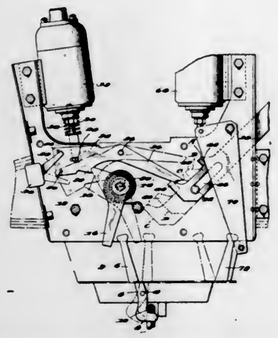
2,380,736
DRILLING APPARATUS
Christopher G. Eden, Rickmansworth, England, assignor to General Electric Company, a corporation of New York
Application December 26, 1941, Serial No. 424,529
In Great Britain January 31, 1941
3 Claims. (Cl. 125—30)



1. In an apparatus comprising a work member mounted for reciprocable movement and having means for resiliently urging said work member in a given direction, means for periodically displacing said work member in the opposite direction a uniform amount comprising an arm member located entirely to one side of said work member with a free end located adjacent a surface of the work member, said arm member being constructed and arranged for pivotal movement in a plane extending longitudinally of the path of movement of the work member, said arm member being capable of flexing laterally of its length and in said plane, and means for periodically effecting flexure of said arm member toward said work member at a point intermediate its free end and its pivoted end to first carry its said free end into firm frictional engagement with the adjacent surface of the work member and to then displace its said free end in the aforesaid opposite direction, the said arm member being so arranged that, at least throughout the period its free end is in engagement with the work member, a line through said free end and through its pivoted end is at an acute angle to the direction of movement of said work member.

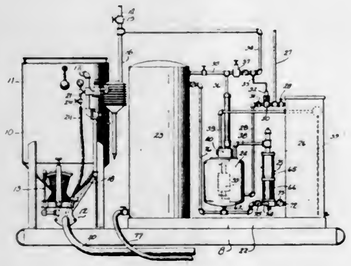
2,380,737
BOMB SHACKLE OPERATING MECHANISM
Daniel S. Elliott, Middle River, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application July 1, 1941, Serial No. 400,619
5 Claims. (Cl. 89—1.5)

2. In a bomb release system consisting of a plurality of bomb shackles, a shackle operating mechanism comprising a bomb release control member movable between locking and releasing positions, means to move said member to releasing position, an element cooperating with said control member and movable to three positions, said element having means thereon to lock said member against releasing movement in one of said positions, to leave said member free in a second position for operation by said first means, and to move said member to releasing position in the third position, said first means comprising a solenoid operatively connected to move said control member, a circuit to supply current to said



solenoid, switch means in said circuit adapted for alternative contact with a solenoid of a second bomb shackle, means to move said control member after it has been moved to releasing position in a direction opposite to that in which it is moved by said solenoid past its locking position, and means operated by such movement of said control member to actuate said switch means whereby said solenoid is disconnected and said solenoid of said second bomb shackle is connected for subsequent actuation.

2,380,738
ART OF SANDBLASTING
Arthur H. Eppler, Milwaukee, Wis.
Application July 29, 1940, Serial No. 348,130
11 Claims. (Cl. 51—8)

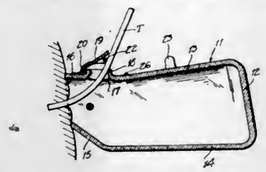


9. Sand blast apparatus, comprising the combination with a sand blasting generator, a mixing nozzle and a pipe connection between the generator and the nozzle, of means for metering and supplying to the mixing nozzle, under pressure, atomized liquid charged with rust resisting chemical material in predetermined quantities substantially equal to those required for coating the particles of sand generally with such material, whereby the surface to be cleaned may be coated with the chemical material simultaneously with the impact of the sand particles thereon.

2,380,739
PROCESS OF PRODUCING PECTINOUS GELS AND COMPOSITION
Lacey H. Evans and Louis J. Huber, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application April 11, 1941, Serial No. 388,102
8 Claims. (Cl. 99—132)

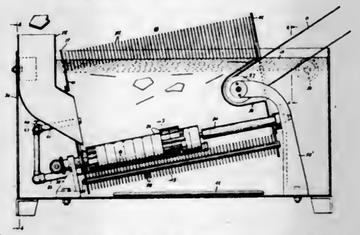
1. A composition of matter which comprises a mixture of a pectic substance selected from the group consisting of ammonium, sodium and potassium pectates, and a lactone capable of reacting with water to yield a weak acid which is capable of reacting with the pectic substance to form a homogeneous gel.

2,380,740
COLOSTOMY PAN
Ivy D. Fenwick, Brooklyn, N. Y.
Application July 2, 1942, Serial No. 449,435
2 Claims. (Cl. 128—283)



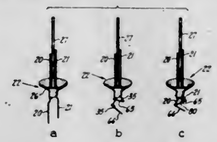
1. A colostomy pan for use in the administering of an enema to a colostomy patient comprising an elongated receptacle body having an open mouth at one end thereof, the open mouth being of a size to enable the edges thereof to surround a colostomy when the pan is placed in a substantially horizontal position in use, that portion of the side wall of the receptacle body disposed face up when the pan is in use having an enema tube opening therein disposed adjacent the open mouth whereby a flexible enema tube may be freely passed through the enema tube opening into the interior of the receptacle body and thence through the open mouth into a colostomy, said receptacle body adapted to directly receive the discharge from the colostomy upon withdrawal of the enema tube therefrom.

2,380,741
METHOD AND APPARATUS FOR DELAMINATING MICA
Frederick E. Fisher, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 10, 1943, Serial No. 501,837
12 Claims. (Cl. 125—24)



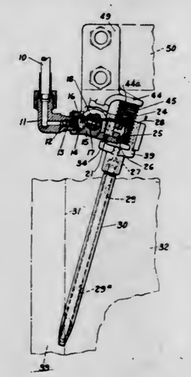
3. The method of delaminating block mica which comprises subjecting the block mica to sonic vibrations while immersed in a water bath to introduce a film of water between the mica laminations.

2,380,742
LAMP MAKING APPARATUS
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application January 14, 1942, Serial No. 426,766
20 Claims. (Cl. 29—25.15)



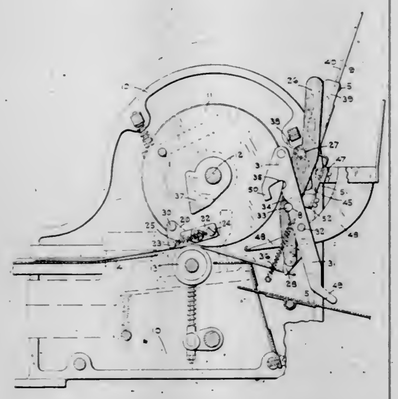
1. The method of forming a composite electrode for an electric discharge device which comprises sealing a pair of leading-in wires into a glass stem, forming the inner portions of said wires with opposed filamentary coil-engaging hooks at a point removed from the innermost end of the wire so as to provide a free inner extension, clamping a filamentary coil within said hooks, and shaping said free inner extension to provide a wire anode element for said filmentary coil extending closely adjacent thereto and in the general direction thereof.

2,380,743
WHEEL FLANGE LUBRICATOR
Bengt E. Folke, Mamaroneck, and Howard Winther, Harrington Park, N. Y., assignors to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application January 29, 1944, Serial No. 520,286
12 Claims. (Cl. 184—3)



1. A wheel flange lubricator including a main bracket fixedly supported adjacent to the wheel, a fulcrum member rotatably mounted in said bracket, an oil discharge tube adapted to contact the wheel flange, a support for said tube rotatably mounted upon said fulcrum member at substantially right angles to the axis of rotation of said member in said bracket, said bracket having an oil inlet in constant communication, through ports in said fulcrum member and support, with said oil tube, an extension from said bracket substantially parallel to said support and an extension from said support substantially parallel to said fulcrum member in said bracket, and a spring confined between said extensions, the lengths of said extensions determining the force exerted by said spring to keep said oil tube in continual contact with said wheel flange.

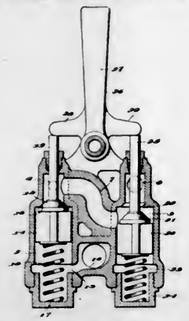
2,380,744
DUPLICATING MACHINE
Frank Ronald Ford, Sparkbrook, Birmingham, England
Application August 23, 1943, Serial No. 499,616
In Great Britain June 24, 1942
9 Claims. (Cl. 101—132)



1. In a duplicating machine a stationary frame, a cylinder rotatably mounted in said frame, a mechanical clamp on said cylinder adapted when open to receive the edge of a master sheet, and when closed to secure same to said cylinder, actuating means on said frame biassed to a normal inoperative position but capable of being moved manually into an operative position, said actuating means when in the operative position being adapted to effect automatic opening and closing movements of said clamp at predetermined angular positions during rotation of said cylinder, means for automatically retaining said actuating means in the operative position after movement thereto, means on said cylinder for tripping said retaining means after closing of said clamp to allow said actuating means to regain its normal inoperative position, means for supporting a fresh master sheet with one edge adjacent to, but clear of, said cylinder, loading means associated with said clamp-actuating means adapted, on movement of the latter to its operative position, to bring the edge of said fresh master sheet into a position suitable for reception in said clamp, and a gripping device connected to said loading means and adapted on operation of the latter to resist movement of said fresh master sheet relatively to said supporting means, said loading means and gripping device automatically returning to an inoperative position simultaneously with said clamp-actuating means.

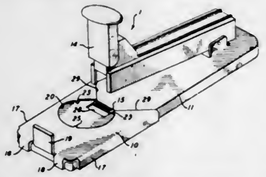
2,380,745
TRACK SANDER
Virgil L. Frantz, Roanoke, Va.
Application December 6, 1943, Serial No. 513,102
6 Claims. (Cl. 291—16)

1. A track sander valve for controlling the operation of a fluid pressure operated sand trap of the character adapted to receive a blast of fluid pressure for cleaning the trap, said valve comprising a valve body having an inlet port adapted to be connected to a source of fluid pressure and having two outlet ports respectively adapted to be connected to the sand trap, valve means normally disposed in closed position preventing the flow of fluid pressure from the inlet port to both of said outlet ports, additional valve means normally disposed in open position for controlling the flow of fluid pressure to one of said outlet ports, spring means normally urging both of said valve means toward closed position, means



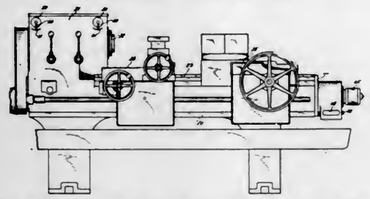
for moving said normally closed valve means to open position and for simultaneously permitting the normally open valve means to assume closed position whereby fluid pressure is permitted to flow through both of said outlet ports during the interval said normally open valve moves from open to closed position.

2,380,746
APPARATUS FOR FORMING IDENTIFICATION BADGES
Edwin B. Gage, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 12, 1942, Serial No. 468,853
6 Claims. (Cl. 1—3)



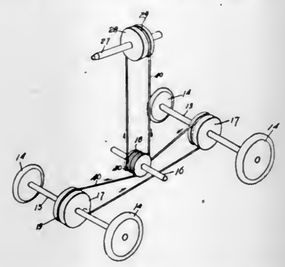
1. An apparatus for forming identifying badges with identifying members of differing peripheral contours, the apparatus comprising a body having a nest therein to receive a selected number of the identifying members, and portions adapted to cause location of the identifying members in the nest only in a given manner.

2,380,747
MACHINE TOOL
Max G. Goetze, East Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1942, Serial No. 434,519
26 Claims. (Cl. 82—32)



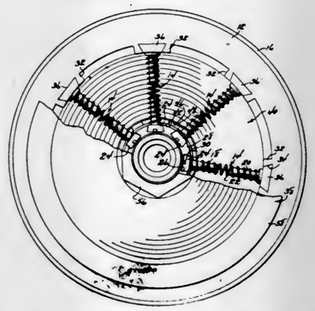
2. In a machine tool, a movable part, a bearing for said part, walls defining a passageway substantially surrounding said bearing, fluid inlet means to said passageway, and means associated with said inlet means for controlling the volume of fluid entering said passageway and including a member adjustable to vary the effective inlet area of said inlet means and having openings therein, and means for varying the effective location and area of said openings.

2,380,748
PULL TOY
Henry Gold and Raymond Paul, Chicago, Ill., assignors to Ira Gold
Application March 21, 1945, Serial No. 583,876
3 Claims. (Cl. 46—204)



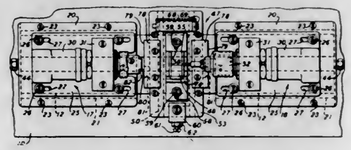
1. A toy comprising a platform, a pair of supports attached to and under said platform, a pair of spaced shafts rotatably carried by said supports, wheels attached to said shafts, a spindle rotatably carried by said supports between said shafts, a housing mounted on said platform, a pin rotatably mounted in the upper portion of said house, one end of said pin extending through and beyond said housing, a hub mounted on said end of said pin, a plurality of spaced spokes having their inner ends attached to said hub, a block attached to the outer ends of each of said spokes, a slidable member mounted on each of said spokes, an endless cord extending between said shafts said spindle and said pin, said shafts adapted to be moved upon the movement of said wheels to move said cord, said cord adapted to move said pin and said pin adapted to move said hub and said spokes, the slidable members on said spokes falling by gravity against the hub and blocks as the center of gravity is passed.

2,380,749
SPRING WHEEL
Frederick Dean Goodlake, Heth, Ark.
Application March 25, 1943, Serial No. 480,513
1 Claim. (Cl. 152—103)



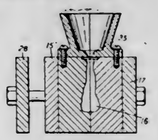
In a spring wheel having a hub and a rim body disposed circumferentially about the hub, a flange encircling and fixed on the hub, said flange having a plurality of circumferentially spaced dovetail grooves opening through the outer surface and extending axially of the hub, a dovetail member slidably fitted in each of said grooves and terminating short of the ends thereof, said flange having a radial bore opening into said groove adjacent each end of the latter, a pin removably fitted in each bore and projecting outwardly thereof in position to abut each end of the dovetail member for removably holding the latter in fixed position in its groove, a first spoke pin fixed to and extending radially outward of each dovetail member, a complementary second spoke pin extending radially inward from the rim body co-axially with each first spoke pin, said first and second spoke pins having their facing ends spaced apart, and a compression spring coiled about said complementary spoke pins.

2,380,750
ROUTING APPARATUS
Otis N. Gove and Lloyd L. Miller, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 4, 1942, Serial No. 457,366
5 Claims. (Cl. 144—136)



5. A routing apparatus comprising routing units mounted at spaced positions and including rotatable routing elements, a movable support for work interposed between the units, means to cause movement of the support in a given direction, means to move the units toward the work and cooperating means carried by the units and the work support to limit the movement of the elements to cause them to cut grooves of given depths in the work, stop the work support, lock it against movement, free the units for additional movements thereof to cause the elements to cut holes in the work, and limit the depths of the holes.

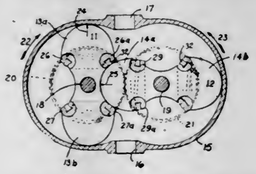
2,380,751
APPARATUS FOR CASTING HOLLOW METAL ARTICLES
John Pinkney Gowland, Woking, England
Application February 9, 1943, Serial No. 475,273
In Great Britain February 10, 1942
5 Claims. (Cl. 22—57)



1. Apparatus for casting hollow metal articles, comprising a rectangular frame, a pair of spaced apart aligned bearing brackets, said frame being positioned between said brackets with opposite ends of the frame adjacent said brackets respectively, means on said frame ends supporting said frame rotatably in said brackets, a pair of guides within said frame adjacent the respective ends thereof and extending transversely of the frame

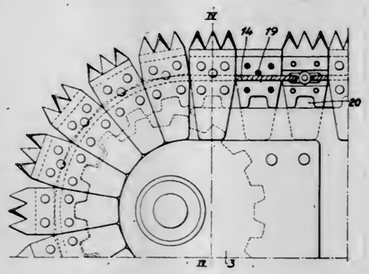
between the opposite sides thereof, a bolster slidably mounted on said guides, said bolster and one of the sides of said frame being adapted for carrying the component sections of a split mould thereon respectively, spring means on said guides between said bolster and said mould-carrying side of said frame, said spring means acting to urge said bolster and side apart, lever means pivoted to said frame and acting on said bolster against the action of said spring means, said lever means being adapted to lock said bolster in mould-closing position, said frame and said lever means having handles adapted to be mutually juxtaposed when said lever means is in mould-closing position whereby said handles may be collectively held in one hand.

2,380,752
ROTARY ENGINE OR BLOWER DEVICE
Benjamin Curtis Grieb, Chestnut Hill, Pa.
Application August 15, 1941, Serial No. 407,084
12 Claims. (Cl. 230—141)



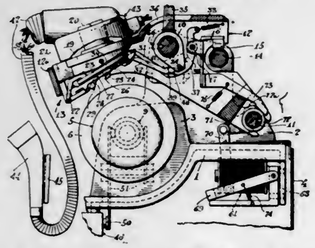
9. For a rotary blower type mechanism, a plurality of interacting lobed impellers, a pair of sealing devices mounted in each lobe in a manner to permit limited rotational movement about their axes, said sealing devices being adapted to contact the convex surface of a lobe of one of the interacting impellers, each of the said sealing devices having a seal element associated therewith, and a mechanical interconnection between each pair of sealing devices adapted to provide a positive interrelation of movement.

2,380,753
DEVICE IN MOTOR SAWS
Carl Gustaf Hård af Segerstad, Sandviken, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden
Application December 31, 1941, Serial No. 425,223
In Sweden November 22, 1940
2 Claims. (Cl. 143—135)



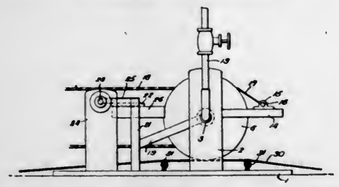
1. In a motor driven cutting chain, a plurality of saw elements each including an intermediate flat body, plates arranged on opposite sides of said body, each body and the related plates being rigidly connected to form together a rigid unit, both plates projecting from one end of said body in spaced relation for embracing a guide and one of the plates at the opposite end of said body being extended beyond the other plate and provided with saw teeth, said flat body extending across the entire width of each plate adjacent the base of the saw teeth, the first mentioned end of said body being disposed to move in proximity with the edge of said guide.

2,380,754
PHONOGRAPH
William A. Hardy, Gillette, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 6, 1942, Serial No. 460,953
7 Claims. (Cl. 274—17)



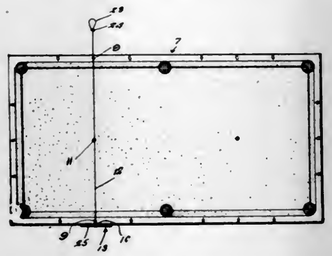
1. In a phonograph including a record support, a translating device and a carriage for said device mounted for traveling movement in relation to said support: the combination of means for locking said carriage against manual movement; a control member on said carriage and operatively connected to said translating device for adjusting the device into recording and reproducing conditions; and means for controlling said locking means comprising two control devices respectively operable into different conditions, means to control one of said devices by said control member, and means operatively connecting said control devices with said locking means for rendering said one device effective to control said locking means only when said second device is in a predetermined one of its said conditions.

2,380,755
ROTARY FISH SKINNER
Jay Donald Hendrickson, Astoria, Oreg., assignor to Columbia River Packers Association, Inc., Astoria, Oreg.
Application October 5, 1943, Serial No. 505,047
2 Claims. (Cl. 17—2)



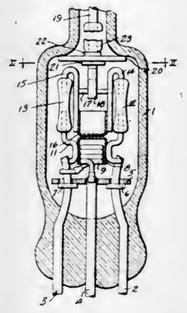
1. Fish skinner device comprising in combination a rotary drum of thermal conducting material having a smooth cylindrical surface, means for circulating a refrigerant through said drum, a conveyor belt passing tangentially to the drum, arranged to press fillets thereon skin up against the drum surface, a knife having its cutting edge extending transversely of the drum and spaced in parallel relationship to the cylindrical surface and a scraper contacting this cylindrical surface back of the knife with respect to the direction of rotation of the drum.

2,380,756
POOL TABLE ATTACHMENT
Robert J. Henry, Malden, Mo., assignor of fifty per cent to Clifford L. Gibbons, Malden, Mo.
Application October 2, 1943, Serial No. 504,767
2 Claims. (Cl. 273—14)



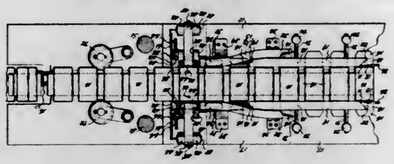
1. In a structure of the class described, in combination, a conventional pool table including customary parallel fixed side rails having diamond-markers affixed thereto and a top embodying a playing surface having an aligned "spot" coacting with said markers, said rails also having opposed V-shaped line accommodating and seating kerfs, the vertex points constituting indexes and being in exact alignment with the coacting pointed ends of said diamond markers, and a flexible line adapted to be stretched across the table top and said rails with its end portions seated in the notches and thus positioned and effectively held in alignment with the diamond-markers and said "spot."

2,380,757
ELECTRON DISCHARGE TUBE
Howard James Louis Herne, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 30, 1944, Serial No. 551,883
In Great Britain May 10, 1943
7 Claims. (Cl. 250—27.5)



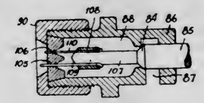
1. An electron discharge tube wherein two adjacent electrodes are carried by common supports sealed in the envelope, one electrode being directly carried by the supports which also constitute the electrical connection to this electrode, and the other being indirectly carried by way of insulating beads of thermoplastic material which does not soften under the conditions obtaining during normal operation of the tube, the electrical connection to this other electrode being effected by a separate lead-in-wire.

2,380,758
CARTON CLOSING MECHANISM
George I. Hohl, East Orange, N. J.
Application October 28, 1943, Serial No. 507,977
8 Claims. (Cl. 93—6)



1. In carton closing mechanism having means for progressively advancing cartons through means to angularly bend carton end closure flaps and their tuck portions whereby to direct the latter toward open ends of the carton bodies, flap closing mechanism comprising normally outswung pivoted flap push-plate means, means to effect timed in and out swinging movements of said push-plate means, adjustably mounted stationary guide finger means directed toward the carton body ends with extremities thereof abutting end edges of carton body walls beneath which flap tuck portions are to be inserted and with their guide surfaces disposed in planes slightly below the planes of internal surfaces of said walls whereby to engage extremities of said flap tuck portions to guide movement thereof into the carton body ends, vertically reciprocable means to hold the carton bodies against displacement relative to said guide finger means while closure flaps and their tuck portions are being manipulated, and means to reciprocate said holding means to effect timed engagement and disengagement thereof with the carton bodies.

2,380,759
REGULATING NOZZLE FOR VAPORIZING BURNERS
Carl Bernhard Holm, Roslags-Nasby, Sweden
Original application January 29, 1938, Serial No. 187,767. Divided and this application October 11, 1941, Serial No. 414,692. In Sweden July 3, 1937
4 Claims. (Cl. 158—120)



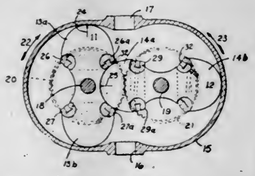
1. A gasifying burner comprising, a fuel nozzle device, a fuel valve for shutting off the gasified fuel, said nozzle device having a plurality of openings of different cross-sectional areas, and means connected to said fuel valve for closing or opening in succession any desired number of said nozzle openings.

2,380,760
CATALYTIC CONVERSION OF HYDROCARBON OIL
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 27, 1944, Serial No. 532,934
5 Claims. (Cl. 196—49)

5. The hydrocarbon oil conversion process which comprises circulating solid particles of cracking catalyst serially through a confined reaction zone and a separate confined regenerat-

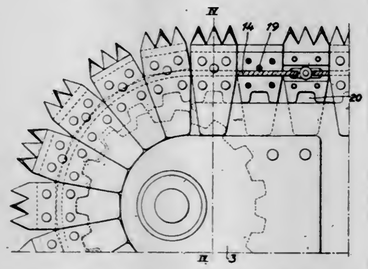
between the opposite sides thereof, a bolster slidably mounted on said guides, said bolster and one of the sides of said frame being adapted for carrying the component sections of a split mould thereon respectively, spring means on said guides between said bolster and said mould-carrying side of said frame, said spring means acting to urge said bolster and side apart, lever means pivoted to said frame and acting on said bolster against the action of said spring means, said lever means being adapted to lock said bolster in mould-closing position, said frame and said lever means having handles adapted to be mutually juxtaposed when said lever means is in mould-closing position whereby said handles may be collectively held in one hand.

2,380,752
ROTARY ENGINE OR BLOWER DEVICE
Benjamin Curtis Grieb, Chestnut Hill, Pa.
Application August 15, 1941, Serial No. 407,084
12 Claims. (Cl. 230—141)



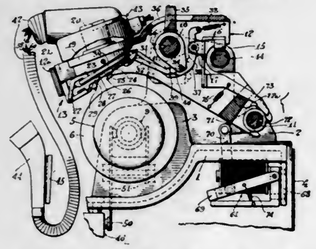
9. For a rotary blower type mechanism, a plurality of interacting lobed impellers, a pair of sealing devices mounted in each lobe in a manner to permit limited rotational movement about their axes, said sealing devices being adapted to contact the convex surface of a lobe of one of the interacting impellers, each of the said sealing devices having a seal element associated therewith, and a mechanical interconnection between each pair of sealing devices adapted to provide a positive interrelation of movement.

2,380,753
DEVICE IN MOTOR SAWS
Carl Gustaf Hård af Segerstad, Sandviken, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden
Application December 31, 1941, Serial No. 425,223
In Sweden November 22, 1940
2 Claims. (Cl. 143—135)



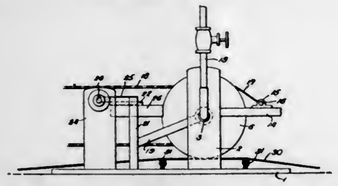
1. In a motor driven cutting chain, a plurality of saw elements each including an intermediate flat body, plates arranged on opposite sides of said body, each body and the related plates being rigidly connected to form together a rigid unit, both plates projecting from one end of said body in spaced relation for embracing a guide and one of the plates at the opposite end of said body being extended beyond the other plate and provided with saw teeth, said flat body extending across the entire width of each plate adjacent the base of the saw teeth, the first mentioned end of said body being disposed to move in proximity with the edge of said guide.

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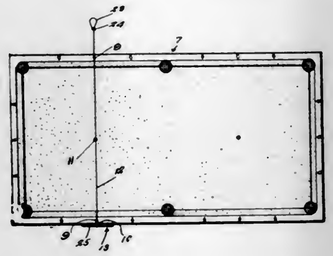
1. In a phonograph including a record support, a translating device and a carriage for said device mounted for traveling movement in relation to said support: the combination of means for locking said carriage against manual movement; a control member on said carriage and operatively connected to said translating device for adjusting the device into recording and reproducing conditions; and means for controlling said locking means comprising two control devices respectively operable into different conditions, means to control one of said devices by said control member, and means operatively connecting said control devices with said locking means for rendering said one device effective to control said locking means only when said second device is in a predetermined one of its said conditions.

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Jay Donald Hendrickson, Astoria, Oreg., assignor to Columbia River Packers Association, Inc., Astoria, Oreg.
Application October 5, 1943, Serial No. 505,047
2 Claims. (Cl. 17—2)



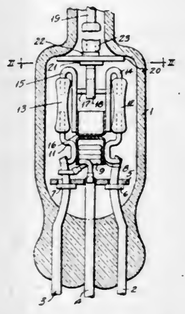
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Robert J. Henry, Malden, Mo., assignor of fifty per cent to Clifford L. Gibbons, Malden, Mo.
Application October 2, 1943, Serial No. 504,767
2 Claims. (Cl. 273—14)



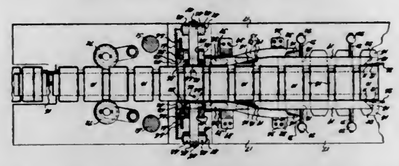
1. In a structure of the class described, in combination, a conventional pool table including customary parallel fixed side rails having diamond-markers affixed thereto and a top embodying a playing surface having an aligned "spot" coacting with said markers, said rails also having opposed V-shaped line accommodating and seating kerfs, the vertex points constituting indexes and being in exact alignment with the coacting pointed ends of said diamond markers, and a flexible line adapted to be stretched across the table top and said rails with its end portions seated in the notches and thus positioned and effectively held in alignment with the diamond-markers and said "spot."

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In Great Britain May 10, 1943
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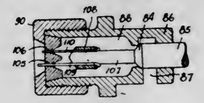
1. An electron discharge tube wherein two adjacent electrodes are carried by common supports sealed in the envelope, one electrode being directly carried by the supports which also constitute the electrical connection to this electrode, and the other being indirectly carried by way of insulating beads of thermoplastic material which does not soften under the conditions obtaining during normal operation of the tube, the electrical connection to this other electrode being effected by a separate lead-in-wire.

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CARTON CLOSING MECHANISM
George I. Hohl, East Orange, N. J.
Application October 28, 1943, Serial No. 507,977
8 Claims. (Cl. 93—6)



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REGULATING NOZZLE FOR VAPORIZING BURNERS
Carl Bernhard Holm, Roslags-Nasby, Sweden
Original application January 29, 1938, Serial No. 187,767. Divided and this application October 11, 1941, Serial No. 414,692. In Sweden July 3, 1937
4 Claims. (Cl. 158—120)

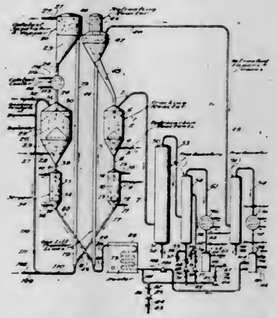


1. A gasifying burner comprising, a fuel nozzle device, a fuel valve for shutting off the gasified fuel, said nozzle device having a plurality of openings of different cross-sectional areas, and means connected to said fuel valve for closing or opening in succession any desired number of said nozzle openings.

2,380,760
CATALYTIC CONVERSION OF HYDROCARBON OIL
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 27, 1944, Serial No. 532,934
5 Claims. (Cl. 196—49)

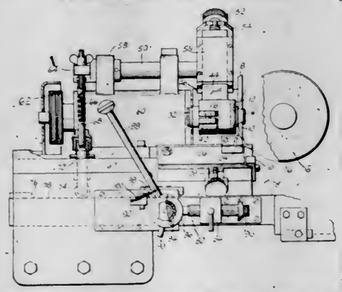
5. The hydrocarbon oil conversion process which comprises circulating solid particles of cracking catalyst serially through a confined reaction zone and a separate confined regenerat-

ing zone, maintaining a bed of the catalyst particles in each of said zones, cracking hydrocarbon oil heavier than gasoline by contacting the same with the catalyst bed in the reaction zone under cracking conditions, burning combustible contaminants from the catalyst in the regenerating zone by contacting oxidizing gas with the catalyst bed therein under combustion conditions, separately removing resulting gaseous products of regeneration and highly active regenerated catalyst from the regenerating zone, vaporizing a relatively low boiling oil comprising gasoline fractions and commingling the vapors with regenerated catalyst particles so



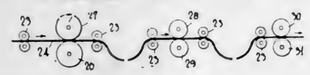
removed from the regenerating zone, transporting the latter by the gas-lift action of the vapors with which they are commingled upwardly to an elevation above said reaction zone and effecting a material improvement in the quality of said gasoline fractions by their contact with the highly active regenerated catalyst, separating resulting transported and partially contaminated catalyst particles from the thus treated vapors and directing the separated catalyst particles downwardly from said zone of separation into said bed in the reaction zone while they are still in sufficiently active state to promote said cracking reaction.

2,380,761
GRINDING MACHINE
Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 29, 1944, Serial No. 556,370
11 Claims. (Cl. 51—103)



3. In a machine for grinding a projecting face on the exterior of a ring, a regulating wheel and a blade engaging the ring to support it for controlled rotation on its axis, a non-rotary abutment engaging one end of the ring to locate it axially, and a grinding wheel having a peripheral face adapted to have controlled approach towards the butment.

2,380,762
MANUFACTURE OF SHEET MATERIALS
Ralph G. Jackson, Woodbury, N. J.
Application March 24, 1941, Serial No. 385,030
9 Claims. (Cl. 117—8)



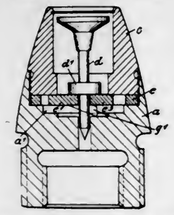
1. A method of manufacturing decorative impregnated sheet material, which method comprises piercing a fibrous sheet the surface of which is resistant to impregnation by fluid coloring or toughening penetrants, said piercing providing a multiplicity of minute ducts positioned closely together and extending uniformly across its surface without removing any of the material of the sheet, and applying a fluid decorative medium penetratingly to the surface of the sheet in certain prescribed zones to saturate the material of the sheet and extend laterally from each duct, the ducts being so small as to be substantially imperceptible to the eye when the goods is used as a floor covering.

2,380,763
FEED FOR FOUNTAIN PENS
David Juelss, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application October 14, 1944, Serial No. 558,673
5 Claims. (Cl. 120—50)



1. In a feed for fountain pens comprising a body of substantially cylindrical form at one end and semi-cylindrical at the other, tapering at the latter end, and having a feed groove extending along the upper face, the improvement comprising a longitudinal groove on the under side and lateral grooves angularly disposed with respect to the longitudinal groove in opposite directions therefrom toward the cylindrical end and communicating therewith, adapted to receive and retain surplus ink flowing through the feed groove.

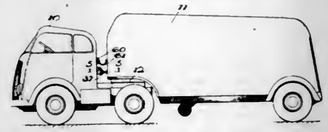
2,380,764
FUSE
Helmut Junghans, Schramberg-Sulgen, Eckenhof, Germany; vested in the Alien Property Custodian
Application April 7, 1941, Serial No. 387,324
In Germany April 29, 1937
2 Claims. (Cl. 102—79)



1. In a percussion fuse, a firing pin and a time safety device comprising ring having a plurality of inwardly extending members formed integrally therewith and in the plane of said ring, and each forming a clamping jaw for engaging said pin and each member joining said ring by a narrow neck deformable under the action of centrifugal force

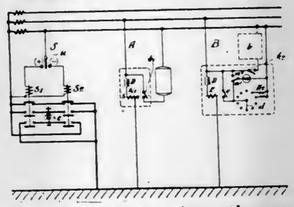
to permit outward movement of said member, each member being formed with a recess at one side and a projection at the other, the projection of one member normally lying in the recess of the next member to prevent said movement of one of said members until the other has moved, the projection of one of said members being bent out of its corresponding recess and all of said members, except for said bend, being identical.

2,380,765
BRAKE SYSTEM FOR CONNECTED VEHICLES
Glenn Keith, East Detroit, Mich.
Application June 9, 1942, Serial No. 446,368
2 Claims. (Cl. 188—3)



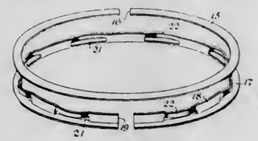
1. In a braking system for a pair of connected vehicles, separate braking means for each vehicle, electrically energized means carried on each vehicle for operating the braking means thereof, a source of electric current carried by one only of the vehicles, circuits for connecting said source with said several electrically energized means and including a length of wire adapted to be paid out on separation of the vehicles to maintain the connection between said circuits throughout a predetermined amount of separation, means on the first named vehicle for controlling simultaneously the flow of electric current from said source to each of the electrically energized means, and means for connecting said source with the electrically energized means on each of the vehicles automatically on separation of the vehicles in an amount less than said predetermined amount.

2,380,766
REMOTE-CONTROL PLANT
Werner Koenig, Lucerne, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application February 18, 1943, Serial No. 476,256
In Switzerland March 16, 1942
3 Claims. (Cl. 171—97)



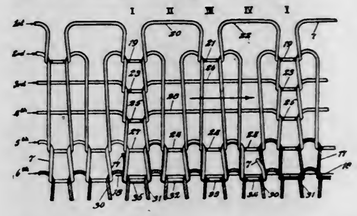
3. In a remote control system, the combination of a receiver having pole changing relays operated by a polarized impulse to perform one or the other of two switching functions, a second receiver having non-polarized relays operated by impulse of either polarity to place a selector in position for selecting one of a plurality of switching positions, and transmitting means for transmitting a polarized impulse of one or another polarity simultaneously to said two receivers to simultaneously operate said first receiver and place the second receiver in selective operating position, and to thereafter transmit an impulse couple to said second receiver to select the desired switching position and operate the switching function thereby.

2,380,767
PISTON RING
Emil A. Koether, Baltimore, Md., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application January 31, 1941, Serial No. 376,884
2 Claims. (Cl. 309—44)



1. An oil control piston-ring assembly for use in piston ring grooves, said assembly comprising a split ring thin in axial dimension and of comparatively large radial dimension; and a split ring with a cylinder contacting portion of similar axial and radial dimensions having an integral flange at its inner margin continuous except for said split and extending toward and engaging the proximate face of the first-named ring to space the rings and to fix the over-all axial dimension of the assembly while leaving the two rings free to expand and contract independently of one another, said flange having spaced outwardly deflected portions at the area of such engagement, the thickness of said flange approximating the thickness of the cylinder contacting portion upon which it is formed.

2,380,768
KNITTED FABRIC WITH ELASTIC SELVAGE
Robert H. Lawson, Lakeport, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application February 10, 1944, Serial No. 521,838
10 Claims. (Cl. 66—172)

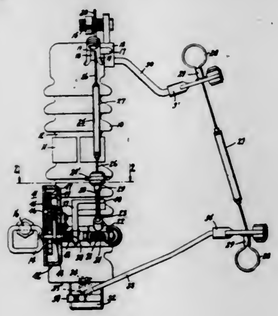


1. A knitted fabric having selvage or makeup courses formed exclusively of elastic thread, said elastic thread having a stitch in each wale of the second course, said elastic thread being interknitted at spaced wales and floated across intervening wales in at least two courses following the said second course, inelastic yarn being knitted in courses knitted subsequently to the knitting of the float courses and elastic thread incorporated in at least some of said subsequent courses.

2,380,769
RECLOSING CIRCUIT-INTERRUPTING DEVICE
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 16, 1942, Serial No. 439,165
10 Claims. (Cl. 200—126)

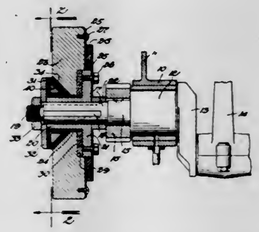
1. In a reclosing circuit interrupting device, the combination of an insulating supporting member, a pair of spaced line terminals fixedly mounted on said supporting member, a pair of conducting arms biased for relative separation projecting

outwardly from said supporting member each terminating in a fuse link receiving means, each of said arms being electrically connected to one of said line terminals, a first fuse link carried between said fuse link receiving means, a third terminal adjacent to but spaced from one of said line terminals, a second fuse link electrically interconnecting said third terminal and the other of said line terminals, an independent current transfer switch electrically connected to said line terminal adjacent said third terminal biased



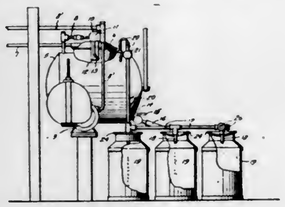
to connect said third terminal to said adjacent line terminal, and means associated with said current transfer switch for causing said conducting arm connected to said line terminal adjacent said third terminal to hold said current transfer switch in the inoperative position when said first fuse link is connected in the circuit, said last mentioned means permitting free movement of said conducting arm for causing high-speed separation of said fuse link parts and release of said current transfer switch for independent closing upon rupture of said first fuse link.

2,380,770
VIBRATION DAMPER
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 18, 1942, Serial No. 466,003
13 Claims. (Cl. 74—574)



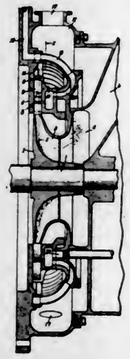
1. A vibration damper for a shaft comprising a pair of spaced disks fixed to the shaft, a flywheel between the disks, friction means between one disk and the flywheel, rubber means between and engaging the other disk and the adjacent portion of the flywheel, inertia means acting against the rubber means to vary the pressure relation of the flywheel against the friction means proportional to speed, and means definitely limiting the relative rotation of the flywheel and disks.

2,380,771
APPARATUS FOR FILLING CONTAINERS WITH MILK AND OTHER LIQUIDS
Hector Murdoch McDonald, Meeniyan, Gippsland, Victoria, Australia
Application October 15, 1941, Serial No. 415,124
In Australia October 24, 1940
2 Claims. (Cl. 226—116)



1. An apparatus for filling a series of containers having air-tight closures thereon with milk under a partial vacuum from a source of supply comprising a distributing pipe of substantial diameter adapted to be supported above all of the containers and connected at one end to the source of supply, a branch pipe depending from the distributing pipe above each container and adapted to pass through the closure thereon, a vacuum pump, a covered bowl, a pipe connecting the vacuum pump to the cover on the bowl, a pipe having one end passing through the cover and depending within the bowl and its opposite end connected to the end of the distributing pipe remote from the source of supply, and a non-return valve on the end of the pipe depending within the bowl.

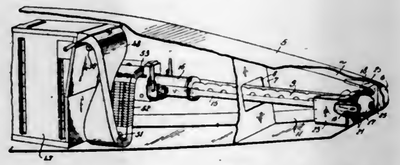
2,380,772
CENTRIFUGAL COMPRESSOR
Kenton D. McMahan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 1, 1943, Serial No. 500,813
2 Claims. (Cl. 230—132)



1. A centrifugal compressor comprising an impeller, a primary diffuser surrounding the impeller, a wall which surrounds the discharge end of the primary diffuser to define a primary diffuser discharge chamber having an annular axially facing discharge opening, a wall which defines an annular vortex chamber axially displaced with respect to said discharge chamber and with which said axially facing discharge opening communicates for flow of gas from the primary diffuser discharge chamber to said vortex chamber whereby flow in said vortex chamber

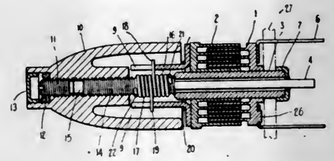
is in the form of a vortex having both a circumferential and an axial component, walls which define a discharge chamber which surrounds said vortex chamber, and secondary diffuser vanes which define diffuser passages the inlet ends of which communicate with the peripheral portion of said vortex chamber and the exit ends of which communicate with said surrounding discharge chamber whereby said vanes serve to continuously pick off the peripheral portion of the vortex flow in the vortex chamber and direct it to the discharge chamber.

2,380,773
GUN ASSEMBLY
Robert L. McMullen, Trenton, N. J., assignor to Kaiser Cargo, Inc., Bristol, Pa., a corporation of California
Application October 28, 1943, Serial No. 507,943
5 Claims. (Cl. 89—37.5)



1. A gun assembly comprising a gun, a forward support, means for connecting the muzzle of the gun to the forward support for pivotal movement of the gun about a point adjacent to the muzzle and for axial displacement with respect thereto, a rear support having adjustable means thereon to effect the pivotal movement of the gun about its pivotal connecting means and means for connecting the gun to the rear support for axial movement, and strut means attached to the gun rearwardly of the muzzle and to the forward support to receive and transmit the recoil loads of the gun to the front support.

2,380,774
ELECTRIC CONDENSER
Cyril Edmund Maitland, Harrow, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 15, 1943, Serial No. 483,203
In Great Britain March 27, 1942
4 Claims. (Cl. 192—8)



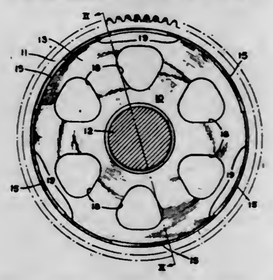
1. In an adjustable condenser comprising two electrode units movable with respect to each other for adjusting the capacity of the condenser, rotatable control means for adjusting the position of the electrode units relative to each other and locking means for preventing inadvertent alteration of the position of the electrode units, said control and locking means comprising a threaded shaft member rigidly attached to one electrode unit, two helical springs arranged side by side on said shaft in engagement with the threads thereof, a cap member surrounding the springs and being in separate engagement with said shaft and rotatable thereon, an opposite end of each spring being anchored with respect to the second electrode unit the other end of each spring being free, said cap member comprising an internally projecting portion extending between the free ends of the springs, said projecting portion engaging the free end of one spring on rotation of the cap in one direction and engaging the free end of the other spring on rotation of the cap in the other direction.

2,380,775
COMPOUND FABRICS AND PROCESS FOR PRODUCING THE SAME
Hans Meyer, Twickenham, England
No Drawing. Application May 7, 1943, Serial No. 486,105. In Great Britain April 9, 1942
16 Claims. (Cl. 154—2)

1. A process for the manufacture of a compound fabric which comprises forming a coating of a water-insoluble but water-absorbent inorganic gel substantially free from water-soluble salts upon the fibres of a fibrous sheet material by first treating the fibrous sheet material with a water-soluble inorganic salt and then converting the salt into a water-insoluble but water-absorbent inorganic gel, then treating the fibrous sheet material with a solution of a resinous material selected from the group consisting of thermoplastic synthetic resins, chlorinated natural rubber and chlorinated synthetic rubber, and causing the thus treated material to adhere to at least one layer of fabric by the application of heat and pressure, the said resinous material having a softening point above 100° C. but below the temperature at which any of the fabrics employed in the manufacture of the compound fabric is damaged.

9. A compound fabric comprising a layer of fabric and a layer of a fibrous sheet material, said fibrous sheet material having fibres thereof coated with a water-insoluble but water-absorbent inorganic gel substantially free from water-soluble salts, and said layer of fabric and said layer of fabrous sheet material being bonded together by means of a resinous material having a softening point above 100° C. but below the temperature at which the fibrous sheet material or the fabric would be damaged, said resinous material being selected from the group consisting of thermoplastic synthetic resins, chlorinated natural rubber, and chlorinated synthetic rubber.

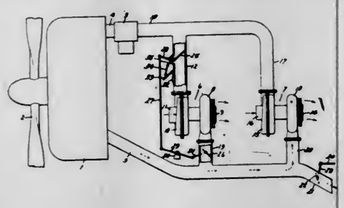
2,380,776
GEAR CONSTRUCTION
Ernest F. Miller, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1943, Serial No. 480,724
2 Claims. (Cl. 74—443)



1. A fabricated metallic structure comprising a hub; an annular rim concentric with and

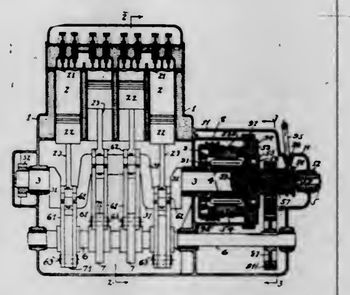
spaced radially from the hub; a web structure for supporting the rim from the hub; welds uniting the web structure to the hub and the rim; and means for preventing cracking of the welds due to weld shrinkage strains, said means comprising the formation of the web structure with a plurality of openings therethrough so disposed that no continuous radial line of metal exists between the welding at the hub and the welding at the rim.

2,380,777
TURBOSUPERCHARGER SYSTEM
Sanford A. Moss, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application May 4, 1942, Serial No. 441,715
13 Claims. (Cl. 60—13)



10. In combination, a plurality of units each comprising a prime mover and a centrifugal compressor, means for supplying actuating fluid to said prime movers in parallel from a source of supply, means connecting the discharge sides of the compressors in parallel with each other to a point of consumption, and means operated automatically when the load on the compressors reaches a predetermined low value for idling one of the units.

2,380,778
INTERNAL-COMBUSTION ENGINE
Jesse M. Murdock, Detroit, Mich.
Application March 13, 1944, Serial No. 526,260
10 Claims. (Cl. 290—22)

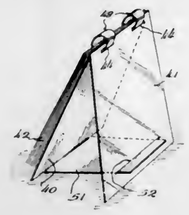


4. In an internal combustion engine, the combination, with a series of power cylinders having therein pistons and having valves and valve-operating mechanism; of a crankshaft having cranks coupled to said pistons by main connecting rods; a power shaft in co-axial alignment therewith and having a flywheel thereupon; an intermediate shaft spaced from said crankshaft and parallel thereto; a series of one-way clutches upon said intermediate shaft connected by auxiliary connecting rods to said cranks; positive gear means connecting said intermediate shaft and said power shaft; and elastic clutch means connecting said crankshaft and said power shaft in driving relation whereby said crankshaft may be driven by said power shaft at speeds varying inversely as the torque resistance, said elastic clutch means comprising an armature secured to said crankshaft and a series of field magnets upon said flywheel arranged normally in electrical driving relation therewith, a fixed casing surrounding said flywheel and said magnets, and auxiliary clutch means by which said magnets may be held stationary in said casing and employed to drive said armature from an external source of current for starting said engine.

2,380,779
METHOD OF PREPARING SODIUM PERBORATE OF LOW BULK DENSITY
Hugo Nees, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
No Drawing. Application September 1, 1939, Serial No. 293,101. In Germany September 3, 1938
11 Claims. (Cl. 23—60)

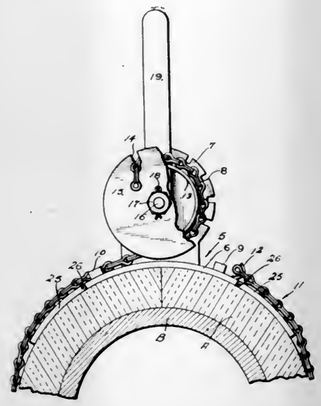
1. A process for preparing sodium perborate of low bulk density which comprises adding to a solution of hydrogen peroxide and borax a solution of an alkaline sodium compound selected from the group which consists of sodium hydroxide, sodium carbonate, trisodium phosphate, and sodium peroxide, said solution being added at such a rate that a supersaturated solution of sodium perborate results, removing the precipitated sodium perborate from the mother liquor, and drying the resulting product.

2,380,780
BOOKLET BINDER
Mary E. Novak, Chicago, Ill.
Application January 22, 1944, Serial No. 519,275
2 Claims. (Cl. 281—33)



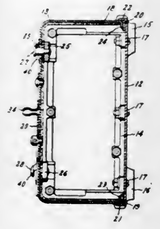
2. In combination, a booklet back and booklet sheet or sheets and a booklet front hingedly connected at corresponding edge portions in such manner that the sheet or sheets may lie between the back and front or the back may lie between the front and the sheet or sheets, a two-purpose slit formed in the front and substantially spaced from the edge portion of the front that is hingedly connected with the back and the sheet or sheets, and a two-purpose tab projecting from the back at an edge thereof remote from the edge thereof that is hingedly connected with the front and the sheet or sheets, said two-purpose tab being adapted to fold over the edge of said front remote from the hinged edge thereof and to project in one direction through said two-purpose slit to convert the back, front and intervening sheet or sheets into a closed unit having the normally projecting end portion of said tab covered by said front, said two-purpose tab also being adapted to project in the opposite direction through said two-purpose slit to convert the back and front into an easel for the sheet or sheets.

2,380,781
SHEET METAL LAGGING TOOL
Alfred Osborne, Pittsburgh, Pa.
Application January 17, 1944, Serial No. 518,627
3 Claims. (Cl. 254—78)



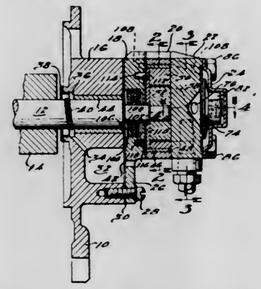
1. In a metal lagging tool of the class described, a longitudinally bowed adapter plate provided with a right angularly disposed support, said support including a disk-like head having marginal notches constituting keeper seats, an axle carried centrally by said head, a chain drum mounted on said axle, said drum including a notched head and lever, and a latch on said lever engageable with said keeper seats.

2,380,782
HOUSING FOR ELECTRIC APPARATUS
Joseph W. Owens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 17, 1944, Serial No. 526,989
3 Claims. (Cl. 220—55)



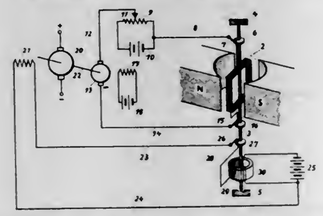
1. A housing comprising a base, a cover, at least one stud on said base, said cover being provided with an aperture through which said stud extends and said stud being provided with a head, and a slider member slidably secured to said cover provided with a slot through which said stud extends, said slot being provided with inclined side walls terminating in a raised end wall for engaging said head when said slider is moved thereby to clamp said cover on said base, said head being provided with a groove in its lower side for receiving said raised end wall thereby to secure said slider member in a clamping position.

2,380,783
PUMP STRUCTURE
Roy W. Painter, Detroit, Mich., assignor to Gerotor May Company, Baltimore, Md., a corporation of Delaware
Application April 7, 1941, Serial No. 387,188
4 Claims. (Cl. 103—126)



2. In a fluid pump, in combination, a housing having a chamber therein, a pair of rotatable pumping elements in said chamber, one of said elements enveloping the other thereof and having internal tooth-like elements operatively engaging external tooth-like elements of said enveloped element, said elements being of equal axial dimension and the axial dimension thereof being less than the axial dimension of said chamber, a plate non-rotatably but axially slidably received in said chamber between one end of said elements and the opposed end of said chamber, said plate being limited in its axial movement to that sufficient to provide axial running clearance for said pumping elements but less than that required to materially affect the pumping action of said elements by permitting flow of fluid between it and said elements from the outlet to the inlet sides of said chamber, spring means constantly urging said plate toward contact with said elements, a by-pass between said inlet and said outlet passages, a spring pressed relief valve in said by-pass passage for limiting the maximum pressure capable of being built up by said pump, and means for driving said elements, said spring means yielding under a materially lower discharge pressure of said pump acting on said plate than that required to actuate said relief valve.

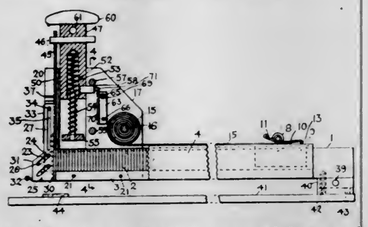
2,380,784
ELECTRIC CONTROLLING SYSTEM
Albert Patin, Berlin, Germany; vested in the Alien Property Custodian
Application July 30, 1941, Serial No. 404,631
In Germany March 27, 1937
3 Claims. (Cl. 171—229)



1. In an electrical control system for maintaining a condition in balance, a variable resistance including a resistance element and a relatively movable contact element, said relative movement serving to effect a change in the condition to be

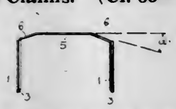
balanced, a stationary permanent field magnet having opposed pole faces, a rotatable shaft, an air-core coil mounted for oscillation between said pole faces on said shaft through the angle subtended by said pole faces whereby the coil is permitted to swing between two extreme positions, one of said elements being fixed upon said shaft to transmit forces to change the effective resistance of said variable resistance unit, means setting up a magnetic field about said solenoid, and circuit means connected to supply current to said solenoid comprising a potentiometer and an auxiliary source of current connected in series, said potentiometer having the characteristic that its effective voltage normally remains substantially constant, and said auxiliary source of current have a voltage which is equal to the effective voltage of said potentiometer when the system is in balance but which is respectively greater or less than the effective voltage of the potentiometer when the system is unbalanced whereby a current flows through said solenoid of proper direction and magnitude to cause said solenoid to swing in said magnetic field and correct the unbalance.

2,380,785
STAPLING MACHINE
Richard A. Percoco, Mamaroneck, N. Y.
Application January 7, 1944, Serial No. 517,311
7 Claims. (Cl. 1—3)



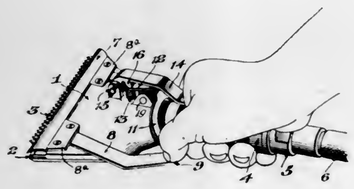
1. A stapling machine comprising a box; a plunger slidably supported in the box; means to guide the plunger; a pin fitted transversely into the upper portion of the plunger; a staple driver having a hole at the top engaging the one end of the pin; means to feed staples under the staple driver; a transverse member in the box for abutting the other end of the pin at the end of the operating stroke of the plunger; and a second pin extending from the side of the plunger for engaging the transverse member at the end of the inoperating stroke of the plunger.

2,380,786
STAPLE
Richard A. Percoco, Mamaroneck, N. Y.
Application July 22, 1944, Serial No. 546,108
5 Claims. (Cl. 85—49)



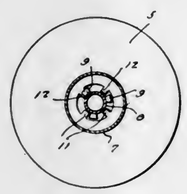
1. A staple for a stapling machine made of a single piece of metal wire of a uniform cross-sectional shape bent to form two substantially parallel legs and a substantially straight upper bight portion, the straight portion being materially shorter than the distance between the legs, portions of the wire between the upper ends of the legs and the ends of the straight portions being inclined downwardly from the straight portion to the leg portions.

2,380,787
DEVICE FOR CUTTING SPONGE RUBBER OR THE LIKE
Frank G. Pierce, Des Moines, Iowa, and August H. De Groote, Rolling Prairie, Ind., assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application April 9, 1943, Serial No. 482,496
5 Claims. (Cl. 30—220)



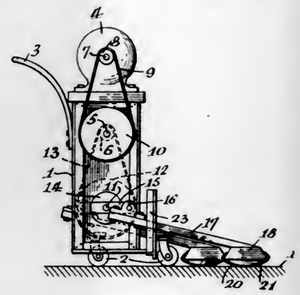
1. A device for cutting cellular elastically yieldable material comprising a pair of parallel oppositely reciprocatory blades having cutter teeth in cooperative relation, a housing for the blades, the cutter teeth projecting at the front of the housing, a hollow shank extending from the rear of the housing and constituting a handle for the device, a coupling carried by the rear end of the combined shank and handle for connection with flexible shafting, a guard member for covering the cutter teeth and comprising a bar normally overlying and extending outwardly beyond said teeth, means for maintaining said guard member in said normal position, and means for withdrawing the guard member to expose the teeth for use in the operation of the device.

2,380,788
MOTION PICTURE CAMERA SPOOL
Sam Prinzivalli, Brooklyn, N. Y.
Application June 15, 1944, Serial No. 540,419
2 Claims. (Cl. 242—70)



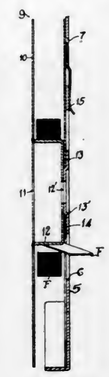
2. A spool for motion picture camera film comprising spaced flanges connected by a hub portion, said flanges having aligned central openings therein adapted for receiving a spindle for mounting the spool thereon, said spindle having circumferentially spaced lugs thereon, and lugs carried at the edges of one of said openings and adapted for successively entering the spaces between the lugs of the spindle, certain of said lugs of the spool being positioned axially behind the remaining lugs and offset from the spaces between the lugs of the spindle when said remaining lugs are aligned with said spaces, said first named group of lugs being adapted to enter said spaces by a partial rotation of the spool on the spindle.

2,380,789
ABRASIVE MACHINE
David Pronovost, Rosemont, Montreal, Quebec, Canada
Application August 5, 1943, Serial No. 497,471
6 Claims. (Cl. 51—175)



1. In an abrasive machine, a portable frame, a shaft therein, means for driving said shaft, a pair of arms having crank connections to said shaft at points 180° apart with reference to the axis of said shaft, and abrasive heads rigidly secured to said arms and having convex floor-engaging surfaces, whereby to be rocked by actuation of said crank connections.

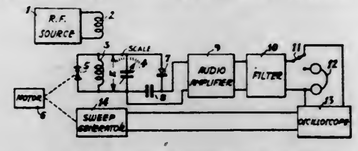
2,380,790
FILM REEL
James Robertson, San Francisco, Calif.
Application September 20, 1943, Serial No. 503,142
7 Claims. (Cl. 88—18.7)



1. In a film reel, two spaced disks, one being rotatably arranged with respect to each other, one of the disks having a film outlet and means for securing it in a non-rotatable position on a support, and the other of the disks being rotatable and carrying a film supporting hub on which film is adapted to be wound.

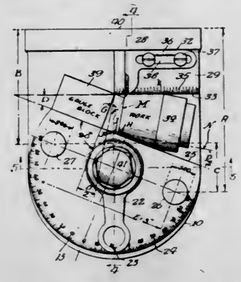
2,380,791
RESONANCE INDICATING APPARATUS
Charles A. Rosencrans, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1942, Serial No. 444,928
2 Claims. (Cl. 250—39)

1. A signal resonance indicating circuit including an adjustable resonant circuit, a continuously variable reactor connected to said resonant circuit for varying the resonance of said circuit at a predetermined frequency, demodulating means connected to said resonant circuit, signal input means connected to said resonant circuit, means for deriving from said demodulating means currents including currents of said predetermined



frequency and a predetermined harmonic thereof, and resonance indicating means responsive to said currents of said harmonic frequency for indicating the resonance of said resonant circuit to said signal as a function of the modulation harmonic frequency amplitude characteristics of said currents provided by said reactance modulation.

2,380,792
TAPER GAUGE
Theodore O. Rueb, Chicago, Ill.
Application February 11, 1944, Serial No. 521,981
4 Claims. (Cl. 33—75)

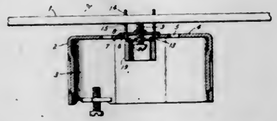


1. A universal gauge comprising a base, a wall extending upwardly from said base, a rectangular block secured in the angle between the wall and the base and having a vertical flat face on the side opposite from the wall, a sine-bar member slidably and rotatably mounted on the base and adapted to slide at right angles to said face, said sine bar having a vertical face opposed to the face on the block and coacting therewith for receiving the work piece and also having two upwardly extending plugs at a predetermined distance apart, said block having one end registering with the center of the base and having a scale for measuring the distance from said end along the face, and an index finger adjustably secured to the block and registering with said scale.

2,380,793
OUTLET BOX SUPPORT
Edward H. Rugg, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 6, 1943, Serial No. 513,157
3 Claims. (Cl. 248—298)

1. A support for attaching an outlet box to a bar hanger comprising a washer having spaced slots and a tapped opening, a U-shaped frame comprising a base and arms integral with the side edges of the base which extend through said slots and are provided with openings to receive a bar hanger, said base being provided with a screw opening and being of a length such that it can be

passed angularly through a knockout opening in an outlet box and positioned so its two ends en-



gage the inner surface of such a box, and a screw which passes through said opening in the base and threads into said tapped opening.

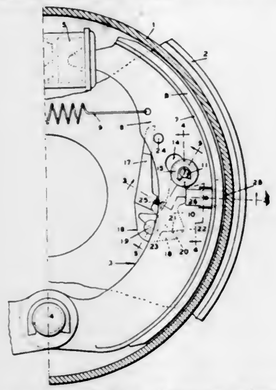
2,380,794
TENSIONING AND LOCKING DEVICE FOR FRAMELESS WINDOW SCREENS
David J. Rust, San Leandro, Calif., assignor to Ry-Lock Company, Ltd., San Leandro, Calif., a corporation of California
Application November 17, 1944, Serial No. 563,953
5 Claims. (Cl. 160—328)



1. A tensioning device for a frameless window screen comprising a sill bracket having an upturned end forming a fulcrum, a tension arm adapted to be secured to one end edge of the screen, means on the outer end of the arm adapted to engage such fulcrum and rock thereon, and means to rock such arm on the fulcrum whereby the screen to which the arm is attached may be placed under tension.

2,380,795
BRAKE SHOE ADJUSTING MEANS
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 26, 1943, Serial No. 496,118
17 Claims. (Cl. 188—79.5)

1. In a brake shoe adjusting mechanism; a support; a brake drum rotatable with respect to said support; a brake shoe having a friction element thereon movable into operative and inoperative association with said drum; a second friction element movable relatively to said shoe and in constant engagement with said drum; a member mounted solely on the support and cooperating with said second friction element for determining the clearance between said drum and brake shoe; and means on said support for associating said member, said shoe and said second friction element for so moving said member when there is wear on the friction surface of said second friction element or when said shoe has movement relative to the support that the dis-



engaged clearance of the friction element on the shoe with respect to the drum will remain constant.

2,380,796
CENTRALIZING DEVICE FOR BRAKE SHOES
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 16, 1944, Serial No. 526,674
8 Claims. (Cl. 188—75)

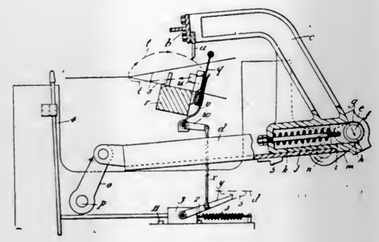
1. In braking apparatus, a support, a brake drum, two brake shoes, means for pivotally mounting the shoes on the support, means for actuating the shoes into engagement with the drum, and means extending between and acting on said pivotal mountings for causing the shoes to have simultaneous movement when being moved toward and away from the drum but permitting one shoe to move independently of the other in the event said other shoe contacts the drum prior to said one shoe.

2,380,797
CONTAINER CLOSURE
Fred V. Severin, East Cleveland, Ohio
Application January 7, 1941, Serial No. 373,445
1 Claim. (Cl. 215—38)



In combination, a container, a closure therefor comprising a cap having a top and an annular wall, said wall having an inwardly extending downwardly facing shoulder and an inwardly extending upwardly facing shoulder thereabove, a resilient band of rectangular cross section within the cap and seated against the downwardly facing shoulder, said band being made of a composition material to frictionally engage the surface of the container and the cap without slipping therealong, the axial dimension of said cross section of the band being greater than its radial dimension, the container having an annular lip portion the external diameter of which is greater than the normal internal diameter of the resilient band, but smaller than the internal diameter of the annular wall of the cap, said lip having a downwardly facing portion, a gasket within the cap bearing against the top thereof and adapted to abut the top of the container in the closed position of the cap, whereby upon application of the cap to the container, the band will be turned by the downwardly facing shoulder through approximately a right angle and will then expand obliquely downwardly between the upwardly facing shoulder of the closure and the downwardly facing portion of the container lip to hold the cap on the container with said gasket in sealing engagement with the top of the container lip.

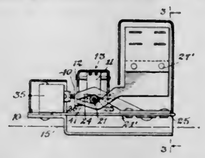
2,380,798
BEAT-UP MECHANISM OF LOOMS FOR WEAVING
Derrick Walter Shimwell, Alderley Edge, England
Application July 26, 1944, Serial No. 546,613
In Great Britain August 17, 1943
3 Claims. (Cl. 139—341)



1. In a loom beat-up mechanism, mounting the beat-up comb between the upstanding parts of two frames, one at each side of the loom, the base part of each frame providing at its rearward end a journal bearing for a crank pin and being supported at its forward end by an arm movable back and forth about a fixed fulcrum to opposite sides of a vertical position and dwelling or moving slowly at its extreme positions whilst the crank pin rises and falls respectively through a relatively large angle, so ensuring that the beat-up comb has a relatively rapid upward movement to effect beat-up and to leave the warp shed and then after a movement backwards clear of the warp shed a relatively rapid downward movement to enter the warp shed adjacent to the reed.

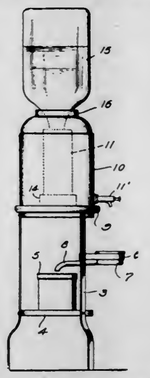
2,380,799
PHONOGRAPH MECHANISM
John J. Shively and Harry R. Van Deventer, New York, N. Y.
Application January 15, 1944, Serial No. 518,347
20 Claims. (Cl. 179—6)

1. A phonograph having a movable arm, a translating device carried by said arm, a record having means thereon to move said arm transversely while said device is in translating relationship to said record, and means controlled by the movement of said arm for moving said device out of translating relationship with said records,



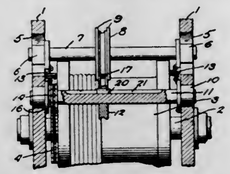
said arm being disconnected from said means while in said translating relationship.

2,380,800
WATER TREATMENT
Howard V. Smith and Margaret C. Smith, Tucson, Ariz.
Application May 20, 1939, Serial No. 274,683
12 Claims. (Cl. 210—23)



1. The process of removing fluorine from fluorine contaminated water which comprises, treating crushed bone with a solution of an alkali to remove fluorine therefrom, washing out the alkali and fluorine removed thereby, neutralizing the bone with an acid, and intimately contacting the water to be treated with the thus defluorinated bone.

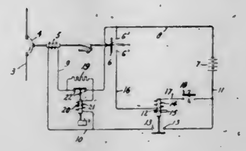
2,380,801
WINCH CABLE GUIDE
Willard L. Stover, Amarillo, Tex.
Application November 24, 1943, Serial No. 511,603
1 Claim. (Cl. 242—157)



A winch comprising a frame, a winch drum pivotally mounted in said frame, a shaft rotatably mounted in the frame parallel with the axis of the drum, a pulley slidably and nonrotatably mounted on said shaft, means for driving said shaft from the drum, shaft bearings slidably mounted in the frame, a second shaft rotatably mounted in said bearings, spring means drawing the slidable bearings toward the first shaft, a pulley slidably mounted on the second shaft, said pulleys proportioned and arranged so that a pe-

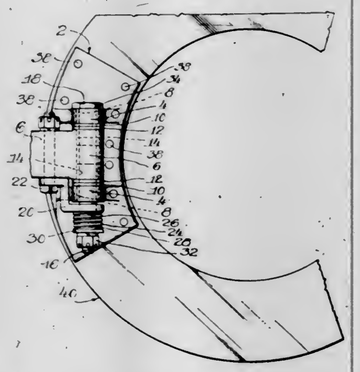
ripheral portion of one will nest within the adjacent peripheral portion of the other so that said pulleys will slide together on their respective shafts and frictionally engage a portion of the winch cable.

2,380,802
CONTROL OF ELECTRIC SWITCHES
Harold E. Strang, Ardmore, Pa., assignor to General Electric Company, a corporation of New York
Application July 14, 1943, Serial No. 494,635
11 Claims. (Cl. 175—294)



1. In an arrangement for closing a circuit breaker by electromotive means arranged to be energized from a source of electromotive force the voltage of which is subject to material variation, means for controlling the magnitude of current flow in the circuit of the electromotive means including current limiting means adapted to be connected in the circuit and means adapted to be energized from the circuit so as to operate in dependence on the voltage of the source for controlling the limiting effect of said current limiting means.

2,380,803
BRAKE HEAD BALANCING DEVICE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application December 3, 1941, Serial No. 421,418, now Patent No. 2,355,120, dated August 8, 1944. Divided and this application June 25, 1942, Serial No. 448,373
15 Claims. (Cl. 188—212)



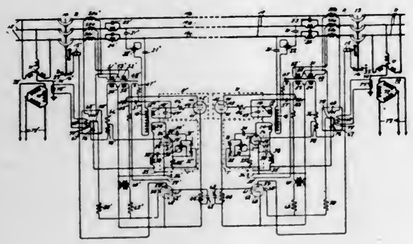
1. In a brake head balancing device, brake head and lever members, a pair of spaced rigid means on one of said members at opposite sides of a portion of the other of said members, a bracket rigidly connected to the last-mentioned member, said bracket being spaced from the first-mentioned member and disposed adjacent one of said spaced rigid means, the clearance between said bracket and the last mentioned rigid means being substantially greater than the clearance between said portion and either of said rigid means, a pivot pin extending through both of said rigid means, said portion, and said bracket, and resilient means on one end of said pin compressed against said bracket, the opposite end of said pin having a head engaged with the other of said rigid means.

2,380,804
DECOMPOSITION OF SODIUM ALUMINATE LIQUOR
Hans Tiedemann, Tokyo, Japan; vested in the Alien Property Custodian
Application October 2, 1940, Serial No. 359,350
In Germany December 21, 1937
2 Claims. (Cl. 23—143)



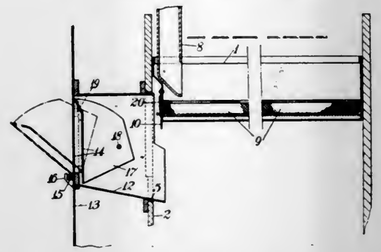
1. A method for producing aluminumhydroxide from aluminate liquor comprising flowing the liquor into a flat decomposition and settling tank having separate contiguous decomposition and settling zones, agitating the liquor in the decomposition zone by a series of substantially submerged members revolving about a horizontal axis in such manner that localized zones of agitation are established and that a flow of liquor and suspended aluminumhydroxide particles substantially in the direction of the feed into the settling zone and a return flow of the liquor and suspended aluminumhydroxide particles in layers above the bottom towards the feed and a mixing of the return liquor with the feed are effected.

2,380,805
PROTECTIVE SYSTEM
Oliver C. Traver, Drexel Hill, and George W. McKenna, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York
Application August 19, 1942, Serial No. 455,326
24 Claims. (Cl. 175—294)



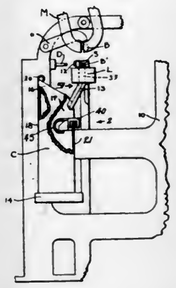
1. In a protective arrangement for a section of an electric system adapted to have an alternating current supplied thereto, a high-frequency transmitter, a receiver tuned to the frequency of said transmitter, each being connected and arranged to operate during a half cycle of a voltage derived from said circuit and to be inoperative during alternate half cycles of said derived voltage, and means responsive to a predetermined type of fault external to said section for causing said transmitter to operate during each half cycle.

2,380,806
ENROBER OR CHOCOLATE COATING MACHINE
Allan Ashmead Tunley, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, Northampton, England
Application June 22, 1943, Serial No. 491,849
In Great Britain August 5, 1942
5 Claims. (Cl. 91—2)



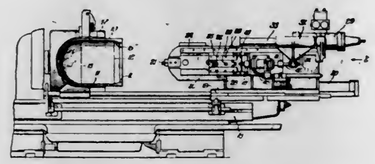
5. A chocolate coating machine comprising a tank having a filler opening in a wall thereof, a casing enclosing said tank and spaced therefrom, said casing having in its wall adjacent said filler opening an opening in alignment therewith, open brackets secured to said casing adjacent the opening thereof, a door having coaxial trunnions located in said brackets to close said casing opening, a bottom flow pan located in said tank, a strainer removably mounted in said pan and to which liquid chocolate is supplied in delivering to said pan, said strainer being located in alignment with said opening and removable therethrough when said door has been lifted from said brackets.

2,380,807
BUFFER FOR LOOM BOBBIN RECEIVERS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 28, 1943, Serial No. 507,983
8 Claims. (Cl. 139—255)



1. In a weft replenishing loom having a bobbin can to receive bobbins discharged from the loom during a weft replenishing operation, said can having an upper beaded edge, a bobbin buffer comprising a body having walls thereon defining a groove provided with an undercut to receive the beaded edge of the can to prevent accidental upward displacement of the buffer, and a resilient buffer member having portions thereof secured to said body and having other portions spaced from said body and lying in the path of a bobbin discharged from the loom toward the can to retard movement of the bobbin.

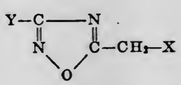
2,380,808
LATHE
Levi D. Tyson, Elkhart, Ind., assignor to International Detrola Corporation, a corporation of Indiana
Application January 18, 1943, Serial No. 472,704
25 Claims. (Cl. 77—3)



2. In a machine of the class described, a carriage, liquid pressure responsive means mounted upon said carriage, a tool holder, mounting means for said tool holder, mechanism for operating said mounting means responsive to said liquid pressure responsive means, said mounting means and said tool holder having a camming relationship with each other whereby longitudinal movement between said mounting means and said tool holder will cause a slanting movement of said tool holder relative to the line of movement of said mounting means, said operating mechanism including a cylinder element and a piston rod, said piston rod having a piston element mounted in said cylinder element, said cylinder element and said piston element constituting a lost motion device, one of said elements being connected to said mounting means, the other of said elements being connected to said tool holder.

2,380,809
COLOR COUPLERS FOR PHOTOGRAPHIC COLOR DEVELOPMENT
Honore Verkinderen, Mortsel, and Norbert Vankeirsbilck, Leuven, Belgium; vested in the Alien Property Custodian
No Drawing. Application April 18, 1941, Serial No. 389,222. In Great Britain December 11, 1939
2 Claims. (Cl. 95—88)

2. The process of developing a colored image in a gelatin-silver halide photographic layer which comprises coupling the development product of a primary aromatic amino developing compound with the color coupler compound of the general formula

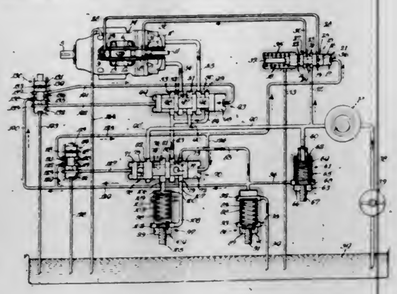


wherein X is an electro-negative organic radical selected from the class consisting of acyl and cyano, while Y is an organic radical of the class consisting of substituted alkyl.

2,380,810
HYDRAULIC CIRCUIT
Gunnar A. Wahlmark, Rockford, Ill.
Application July 5, 1941, Serial No. 401,279
14 Claims. (Cl. 60—53)

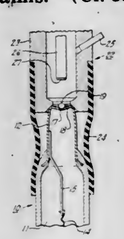
5. In a hydraulic circuit, a variable displacement motor, a pump for supplying operating fluid at working pressure to said motor, valve means governing the supply of fluid by the pump to

the motor, and simultaneously operable hydraulic means governing the displacement of said motor



to obtain maximum displacement of said motor when the supply of fluid at working pressure is discontinued.

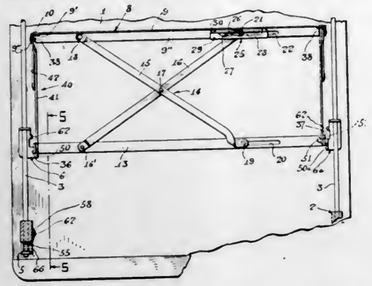
2,380,811
SEALED ENCLOSURE AND METHOD OF SEALING SAME
Warren R. Walker, Forest Hills, N. Y., assignor to General Electric Company, a corporation of New York
Application June 7, 1943, Serial No. 489,932
3 Claims. (Cl. 316—18)



3. In the manufacture of electric lamps comprising a glass envelope having an end wall of sheet metal with an exhaust aperture therein, the steps which comprise evacuating the envelope through said aperture, fitting in said aperture a coated metal pellet slightly larger than the aperture and provided with a coating of metal having a melting point of the order of that of copper but below the melting point of the said end wall or pellet, and then passing serially through the coated pellet and the end wall an electric current sufficient to fuse the coating metal to thereby seal the aperture.

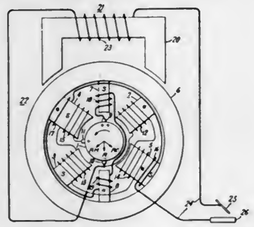
2,380,812
CRIB
Charles E. Webb, New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 22, 1941, Serial No. 416,001
3 Claims. (Cl. 5—11)

3. In a crib structure including end sections, side panels interconnecting said end sections, and a mattress frame: the combination of full-scissors mechanisms at the ends of said crib for supporting said mattress frame at different elevations, said scissors mechanisms having operative connections to the ends of said mattress frame and having other operative connections, separate from one another, to the respective end sections of said crib; and half-scissors mechanisms at the sides of said crib and extending lengthwise thereof, said half-scissors mechanisms being operatively interposed between said mattress frame and



one of said end sections and cooperating with said full-scissors mechanisms for stabilizing said frame lengthwise of the crib.

2,380,813
ELECTRIC APPARATUS
Charles M. Wheeler, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 28, 1944, Serial No. 560,782
13 Claims. (Cl. 171—312)

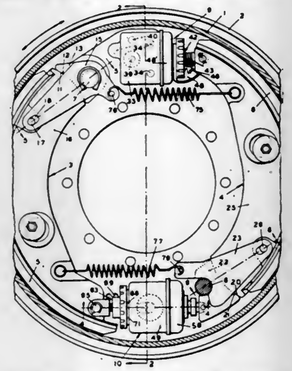


1. Apparatus comprising a dynamoelectric machine and a reactor having a common magnetic circuit, said dynamoelectric machine having an armature, an armature winding, and a magnetic field structure including pole pieces of magnetic material distributed about said armature of said dynamoelectric machine and connected by a frame of magnetic material which completes the magnetic circuit through said pole pieces, and said reactor having a magnetic core spanning said frame of said dynamoelectric machine and a coil on said core connected in series circuit with the armature winding of said dynamoelectric machine.

2,380,814
BRAKING MECHANISM
Clarence J. Whitacre, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 23, 1943, Serial No. 515,334
9 Claims. (Cl. 188—78)

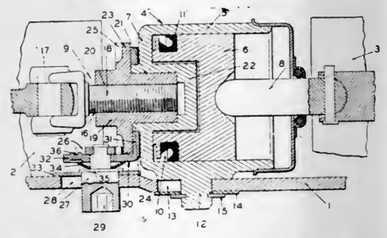
1. In braking mechanism, a support, a brake drum, a brake shoe for engaging the drum, an anchor pin carried by the support adjacent one end of the shoe for anchoring said shoe when the direction of drum rotation tends to drag said shoe toward the anchor pin, means associated with the anchor pin and said shoe end for permitting movement of the shoe outwardly toward the drum and relatively to the anchor pin to cause said shoe to be adjusted relative to said drum, anchor means for the other end of the shoe when the direction of drum rotation tends

to drag said shoe toward said other end, means for moving the first named shoe end and said first named means bodily relatively to the anchor pin to cause the shoe to be applied to the drum,



and means for actuating said other shoe end, one of said last two mentioned means being fixed to said support and the other being floatingly associated with said support.

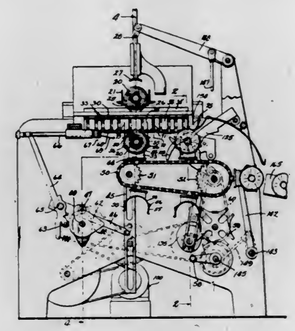
2,380,815
BRAKE SHOE ADJUSTING MEANS
Clarence J. Whitacre, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 23, 1943, Serial No. 515,335
8 Claims. (Cl. 188—79.5)



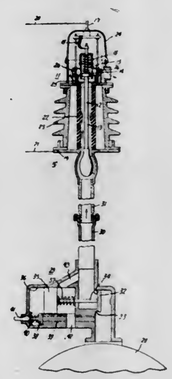
1. In braking mechanism, a brake shoe for cooperation with a drum, a movable actuating member, connecting means between the actuator and shoe comprising a rotatable member for varying the length of the connecting means, toothed means supported on the rotatable member, a right angled bracket means mounted to move with the connecting means when moved by the actuating member but permitting relative rotation of the rotatable member, and a rotatable toothed member journaled in one leg of the bracket means, said toothed member having its axis at an angle to the axis of the rotatable member of the connecting means and its teeth held in constant cooperative engagement with the teeth of the toothed means carried by said rotatable member of the connecting means.

2,380,816
WRAPPING MACHINE AND METHOD
Alexander W. Witbro, De Pere, Wis., assignor to The C. A. Lawton Company, De Pere, Wis., a corporation of Wisconsin
Application February 20, 1941, Serial No. 379,758
17 Claims. (Cl. 93—7)

1. The method of wrapping a toilet roll comprising the tubing of a wrapper about the roll with an overlapping margin and with the end portions of the wrapper projecting beyond the ends of the roll, and the folding of the projecting end portions of the wrapper against the end faces of the roll while drawing a projecting portion of the overlapping margin of the wrapper rearwardly of a radial line from the peripheral overlap to the center of the roll, and subjecting it to rearward tension from its position of overlap on the periphery of the roll.

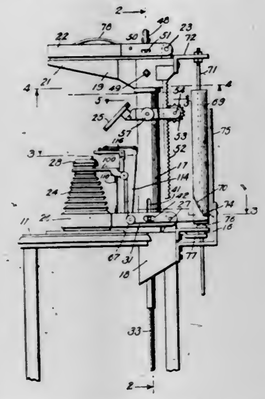


2,380,817
ELECTRIC CIRCUIT BREAKER
Simon B. Woolard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 23, 1943, Serial No. 484,231
2 Claims. (Cl. 200—148)



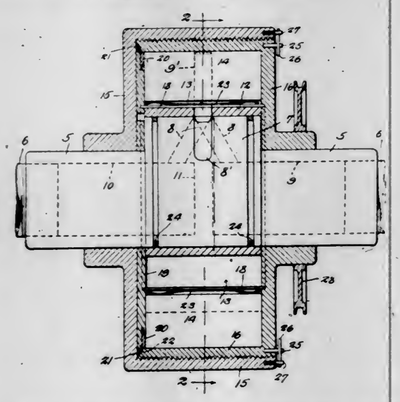
1. In a fluid blast circuit interrupter comprising relatively movable contacts, a source of fluid under pressure, a fluid passageway including a piston operated blast valve associated with said source for producing a blast of fluid adjacent said relatively movable contacts for arc-extinguishing purposes during the circuit opening operation of said circuit breaker, means including an opening to atmosphere in said blast valve effective when said blast valve is closed rapidly to vent said fluid passageway, and means including said piston for effectively closing said opening to atmosphere when said blast valve is opened so that the effectivenss of said fluid blast during a circuit opening operation is not impaired.

2,380,818
AUTOMATIC MINIATURE ENLARGER
Carl E. Young Berg, Los Angeles, Calif.
Original application January 27, 1939, Serial No. 253,190. Divided and this application August 16, 1943, Serial No. 498,863
5 Claims. (Cl. 88—24)



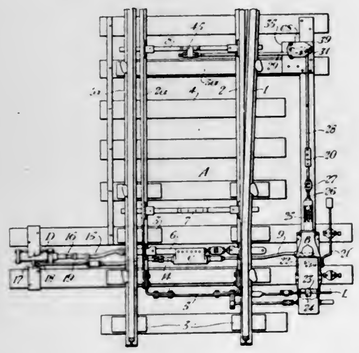
1. Photographic reproducing apparatus as described comprising in combination a fixed table having a light aperture for a negative, a pedestal secured to said table, a platen having a light aperture for a positive adjustably secured for vertical movement on said pedestal, lens means and a resilient support therefor on said table, and means to vary the position of said lens with respect to said table when said platen is varied in position with respect to said table, said means including a drum on said lens support, a cable secured to said drum, a roller rotatably mounted on said table having a portion of said cable wound thereon, a cam slot in said roller, and a rod secured to said platen having a lug adapted to engage said cam.

2,380,819
ROTARY PUMP OR MOTOR
Byron D. Allbaugh, Vallejo, Calif.
Application August 21, 1941, Serial No. 407,792
2 Claims. (Cl. 103—121)



1. In a device of the class described, a stator, a rotor embodying a sectional housing, said housing sections having cooperating threads whereby the sections are moved towards or away from each other when the sections are rotated with respect to each other, pins extending from the housing sections, curved spring arms having their ends connected to the pins and adapted to rotate the housing sections with respect to each other, moving the sections together.

2,380,820
RAILWAY SWITCH OPERATING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 18, 1944, Serial No. 527,041
6 Claims. (Cl. 246—290)

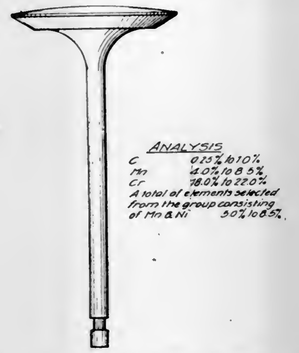


1. In combination with a spring switch biased by spring means to a set position, locking mechanism for locking the switch in its set positions comprising a locking plunger biased to a locking position, and means for actuating said plunger to an unlocking position when a train trails the switch comprising a cam crank stand, a cam crank pivotally supported in said stand and operatively connected with said locking plunger, and an operating rod actuated by a trailing train and provided with a roller cooperating with cam surfaces provided on said cam crank, said cam crank being provided with two separate sets of cam surfaces and being capable of being assembled in said stand in two positions in one of which the one set of cam surfaces cooperates with said roller and in the other of which the other set of surfaces cooperates with said roller, the one set of cam surfaces being adapted to provide the proper movement of said crank to move the locking plunger to its unlocking position when said stand is mounted on the normally open point side of said switch and the other set of cam surfaces being adapted to provide the proper movement of said crank to move the locking plunger to its unlocking position when said stand is mounted on the normally closed point side of said switch.

2,380,821
POPPET VALVE AND VALVE SEAT FOR INTERNAL-COMBUSTION ENGINES
Walter R. Breeler and Gurdon M. Butler, Jr., Fredonia, N. Y., assignors to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1941, Serial No. 375,246
6 Claims. (Cl. 123—188)

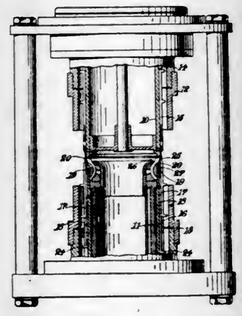
1. An internal combustion engine valve formed of alloy steel characterized by being essentially

non-magnetic as rolled, or when quenched from about 2000° F., but which becomes moderately magnetic after reheating at 1200° to 1400° F., in which condition it is highly resistant to deformation at elevated temperatures and retains high hardness after log heating at temperatures up to 1400° F.; said steel containing a plurality of ele-



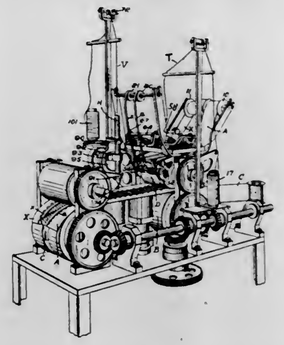
ments of which the following within the ranges stated are then only elements necessary to attain said characteristics: from 0.25% to 1.0% of carbon, from 18% to 22% of chromium, from 5% to 8.5% selected from the group consisting of manganese and nickel, and the balance iron; the total quantity of manganese in said steel being not less than 4% and not more than 8.5%.

2,380,822
KNITTING MACHINE
Ernest Brooksby and Frederick Edward Deans, Leicester, England, assignors to The Bentley Engineering Company Limited, Leicester, England, a British company
Application August 7, 1943, Serial No. 497,827
In Great Britain July 20, 1942
17 Claims. (Cl. 66—29)



1. In or for a knitting machine, the combination of a needle cylinder having on it tricks deep enough to accommodate in each such trick a needle and a transfer instrument lying one behind the other in the depth of the trick with the width of the latter no greater than that necessary to accommodate the needle, and a stitch transfer instrument having a body part received within such a trick and having near its end a sheath which embraces the needle, is movable at will to enter a stitch and is so shaped as to expand and hold the stitch for the purpose of enabling another needle to enter the sheath and the stitch held thereby.

2,380,823
BANDAGE MAKING MACHINE
Henson H. Brown, Andover, Mass.
Application August 28, 1943, Serial No. 500,361
7 Claims. (Cl. 154—1)



7. In a machine for laying parallel threads between two continuously moving tabs, including a frame, a revolubly movable driving member and a disk having a diametrically disposed slot and being oscillatory in the frame, a vertical arm for laying thread extending through said slot in the oscillatory disk, said arm being carried by a connecting rod pivoted at one end to the revoluble driving member, the arm being slidable back and forth in said slot.

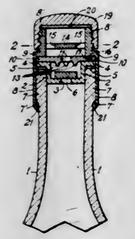
2,380,824
METHOD OF MAKING STABLE POLYVINYL ACETAL RESINS
Joseph Dahle, West Newton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application June 20, 1939, Serial No. 280,125. Divided and this application September 3, 1941, Serial No. 409,349
10 Claims. (Cl. 260—73)

1. In the stabilization of a polyvinyl acetal resin formed in the presence of a mineral acid catalyst, the steps which comprise subjecting a solution of the resin to the action of a neutralizing agent for the acid catalyst to neutralize said acid catalyst, precipitating the resin, forming an aqueous suspension of the resin, subjecting the aqueous suspension of the resin to the action of a neutralizing agent for the acid catalyst, and subjecting the aqueous suspension of the resin to the combined action of a saturated lower aliphatic monohydric alcohol and an ethanolamine.

2,380,825
NONREFILLABLE CLOSURE FOR BOTTLES AND LIKE CONTAINERS
Manuel Diaz Diaz, Habana, Cuba, assignor of sixty one-hundredths to Alberto Calas Oquendo, Habana, Cuba
Application November 6, 1942, Serial No. 464,714
In Cuba October 2, 1942
1 Claim. (Cl. 215—21)

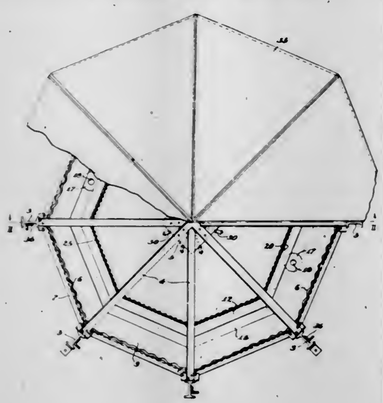
A non-refillable closure for a bottle comprising a cap having a skirt portion surrounding the neck of the bottle, a top portion of reduced diameter, a shoulder overlying the mouth of the bottle between the skirt portion and top portion, a flanged cup having an opening in the bottom, a perforated disc having teats directed towards the

interior of the cup, the disc and flange of the cup being seated between the shoulder of the cap and the mouth of the bottle in circumferential engagement with the skirt, means for locking the disc against rotation relatively to the shoulder, a flat disc valve loosely slidable on the bottom of the cup and adapted to cover the



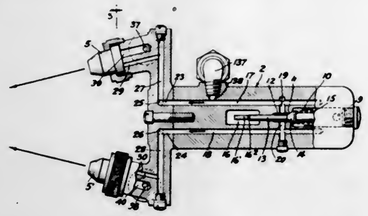
opening, and a second perforated flat disc integral with the top portion of the cap, the perforations of said last named disc being out of alinement with those of the first named disc, said cap, discs, cup and valve forming a self-contained structure suitable for application to the neck of the bottle by the skirt portion of the cap.

2,380,826
FLUE GAS SCRUBBER
Morton I. Dorfan, Pittsburgh, Pa.
Application October 2, 1943, Serial No. 504,677
6 Claims. (Cl. 261—126)



6. A flue gas scrubber comprising an upwardly tapered polygonal gas deflector adapted to be mounted above a stack whereby to form a lateral flue gas outlet between the edge of the deflector and the top of the stack, said deflector having flat upper surfaces extending up to its apex from its several sides, a vertical casing surrounding said deflector and outlet and spaced therefrom, a header mounted above the center of said deflector, means for supplying water under pressure to said header, and a plurality of nozzles projecting radially from the header with a separate nozzle disposed above the upper portion of each of said flat surfaces, each nozzle being provided with an outlet in its bottom for spraying water on the underlying flat surface and with an outlet in its outer end for spraying water on the upper part of the inner surface of the casing.

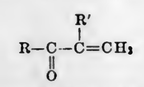
2,380,827
MULTIPLE SPRAYING DEVICE
Austin H. Downs, Glen Ridge, N. J., assignor, by mesne assignments, to Roy F. Alder, Philadelphia, Pa.
Application June 17, 1939, Serial No. 279,613
10 Claims. (Cl. 299—58)



1. In spraying apparatus, a spraying device having a nozzle, means for permitting passage of spraying material to said nozzle, means for atomizing said material at said nozzle including a gas passageway in one part of said device, a gas distributing chamber connected with said passageway and gas passageways leading from said chamber to said nozzle, valve means for controlling the entrance of gas into said chamber and means associated with said device and connected to said last named gas passageway for cutting off the said spraying material to said nozzle prior to cessation of flow of gas thereto, said last named means comprising a gas reservoir and valve cut-off means for said spraying material responsive to pressure of gas in said reservoir.

2,380,828
PRODUCTION OF UNSATURATED KETONES
Robert R. Dreisbach and George Beal Heusted, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 11, 1940, Serial No. 344,872
9 Claims. (Cl. 260—596)

1. In a method of making a readily polymerizable unsaturated ketone having the general formula:

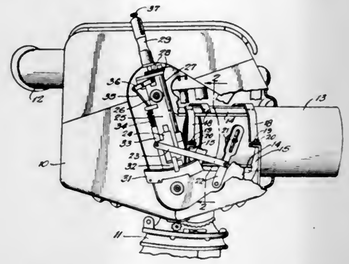


wherein R represents an alkyl radical and R′ represents a member of the group consisting of hydrogen and alkyl radicals, by heating a corresponding ketol in the presence of a dehydration catalyst, the step which consists in passing the reaction mixture through the heated reaction zone at such rate that the contact time does not exceed 30 minutes.

2,380,829
LENS MOUNTING
William C. Eddy, Michigan City, Ind., assignor to Balaban & Katz Corporation, Chicago, Ill., a corporation of Delaware
Application February 28, 1942, Serial No. 432,763
6 Claims. (Cl. 88—57)

1. A lens mounting for a camera comprising a tubular lens carrier having a smooth cylindrical exterior surface, means forming an axial series of ratchet teeth along one side of the lens carrier on the interior thereof, a tubular sleeve adapted to fit slidably in the lens carrier and to support a lens therein, and a pawl pivotally

mounted in the interior of the sleeve and having an out-turned end projecting through an

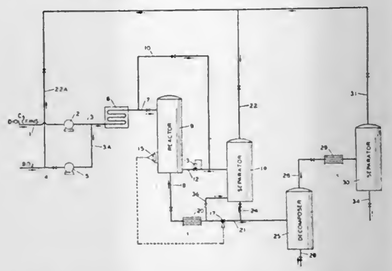


opening in the sleeve and engaging the ratchet teeth to hold the sleeve in adjusted position in the lens carrier.

2,380,830
SKIN CLEANING COMPOSITION
Stuart O. Fiedler, Cincinnati, Ohio, assignor to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 6, 1942, Serial No. 433,662
3 Claims. (Cl. 252—130)

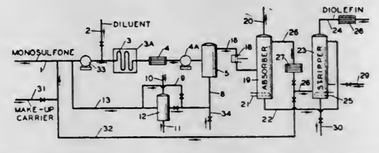
1. A composition of matter for cleaning the skin which comprises from about 50% to about 70% by weight of dried residual meal obtained as a by-product from the commercial extraction of oil, protein, and carbohydrates from soybeans, said residual meal containing approximately 15% to 25% by weight fibrous material and approximately 15% to 25% by weight unextracted protein, said meal being of a particle size not substantially greater than 20 mesh and for the most part not substantially finer than 60 mesh; and from about 30% to about 50% by weight of a mildly alkaline salt of an alkali metal in solid undissolved form.

2,380,831
PURIFICATION OF ALIPHATIC CONJUGATED DIOLEFINS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 20, 1941, Serial No. 423,851
4 Claims. (Cl. 260—681.5)



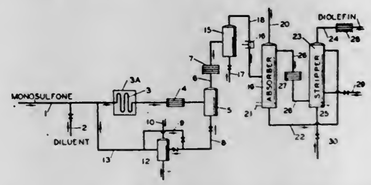
1. The method of recovering substantially pure aliphatic conjugated pentadiene from a mixture containing the same and also containing cyclopentadiene which comprises heating said mixture with a molecular excess of sulfur dioxide over the pentadiene content of the mixture to a temperature of from 30° to 150° C. under a pressure more than sufficient to liquefy the SO_2 at the temperature used for a period of time such that substantially complete conversion of the cyclopentadiene content of the mixture to cyclopentadiene polysulfone is effected and conversion of aliphatic conjugated pentadiene to the corresponding monosulfone is effected, separating a mixture of said polysulfone and said monosulfone from the reaction mixture, and heating said mixture of polysulfone and said monosulfone at a temperature of from 100 to 125° C. at substantially atmospheric pressure and thereby effecting decomposition of said monosulfone to said aliphatic conjugated pentadiene and sulfur dioxide without accompanying decomposition of said polysulfone, separating the gaseous reaction products and separating the substantially pure aliphatic conjugated pentadiene from the sulfur dioxide.

2,380,832
PROCESS FOR THE DECOMPOSITION OF DIOLEFIN MONOSULPHONES
Frederick E. Frey and Harold J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 16, 1941, Serial No. 423,230
12 Claims. (Cl. 260—681)



6. The process of decomposing monosulphone of aliphatic conjugated diolefin which comprises continuously feeding a mixture of said monosulphone and a liquid carrier which remains liquid and undecomposed during the decomposition into the inlet end of a closed elongated zone of restricted cross section such that flow is confined to one general direction from the inlet to the outlet end thereof, continuously passing said mixture through said zone from the inlet to the outlet end thereof while subjecting it to a temperature sufficiently elevated and to other conditions such as to effect decomposition of said monosulphone to the diolefin and sulphur dioxide, and continuously removing the decomposition mixture from the outlet end of said zone.

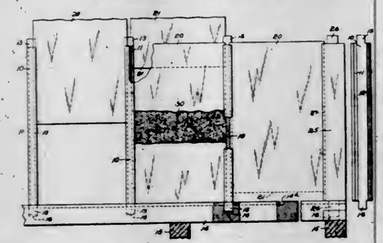
2,380,833
PROCESS FOR THE DECOMPOSITION OF DIOLEFIN MONOSULPHONES
Frederick E. Frey and Harold J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Original application December 16, 1941, Serial No. 423,230. Divided and this application May 3, 1944, Serial No. 533,936
3 Claims. (Cl. 260—681.5)



1. The process of decomposing monosulphone of aliphatic conjugated diolefin which comprises continuously feeding said monosulphone together

with an inert gaseous diluent into the inlet end of a closed elongated zone of restricted cross section such that flow is confined to one general direction from the inlet to the outlet end thereof, continuously passing said monosulphone through said zone from the inlet to the outlet end thereof while subjecting it to a temperature sufficiently elevated and to other conditions such as to effect decomposition of said monosulphone to the diolefin and sulphur dioxide, said inert gaseous diluent minimizing polymerization and other reactions resulting in loss of diolefin in the reaction zone and preventing re-reaction therein by diluting the gaseous decomposition products as formed, and continuously removing the decomposition mixture together with tarry matter and like material formed during the decomposition from the outlet end of said zone.

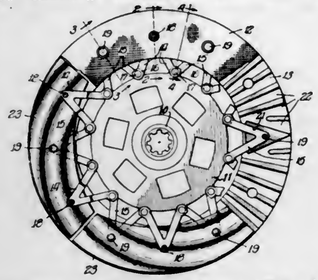
2,380,834
WOODEN BUILDING CONSTRUCTION
Paul R. Goldman, Andover, Mass.
Application June 5, 1942, Serial No. 445,862
1 Claim. (Cl. 20—4)



The method of building wall construction for portable or prefabricated buildings which comprises longitudinally grooving the opposite side faces of studs along similarly spaced parallel lines, erecting the studs along the course of a wall, assembling outer and inner plywood wall panels of an integrally continuous width conforming to the spacing between the inner portions of opposed grooves of each two adjacent studs, aperturing pairs of outer and inner panels to form registering window and door recesses respectively, erecting wall panels by slidably interfitting the side edges of the non-apertured outer and inner panels and of one apertured panel of each pair thereof into the corresponding outer and inner stud grooves to provide a double-panelled wall at non-apertured areas, vertically channeling window and door frames at their respective vertical corner portions inserting the window and door frames respectively into the recesses of the erected single apertured panels and interfitting with such frames and the corresponding studs similar apertured panels to complete a double-panelled wall structure thereat wherein the window frames are positioned and supported wholly directly by the aperture-bordering portions of the corresponding panels and the door frames are similarly positioned at their sides and top, installing insulating material in the inter-panel spaces, and covering said spaces and longitudinally interconnecting the studs and panels along their top portions.

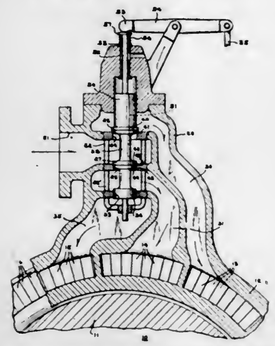
2,380,835
CLUTCH PLATE
George I. Goodwin, Detroit, Mich.
Application September 20, 1940, Serial No. 357,620
21 Claims. (Cl. 192—107)

14. A clutch driven plate friction member, having driving recesses for coaction with as many different driving members and also relieving



recesses which are circumferentially wider than said driving recesses.

2,380,836
FLOW CONTROL APPARATUS
Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1943, Serial No. 484,199
3 Claims. (Cl. 277—12)

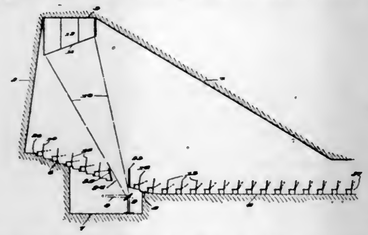


1. Valve mechanism comprising a valve housing having an inlet passage including first and second outlets; means providing a first discharge passage from said first outlet; means providing a second discharge passage from the second outlet, said second discharge passage having a branch outlet; means providing a third discharge passage from said branch outlet; and a unitary valve structure movable between first and second limits for simultaneously controlling flow through said outlets, said valve structure comprising a stem and first, second and third valve members carried thereby and so spaced therealong that at one limit of movement of the stem they close the first, second and branch outlets, respectively, and when moved from said one limit to the other limit they successively open the three outlets.

2,380,837
MOTION PICTURE THEATER
Thomas Curtis Gray, Washington, D. C.
Application April 27, 1943, Serial No. 484,753
6 Claims. (Cl. 88—24)

1. In a motion picture theater in combination, an auditorium having a floor and rows of seats on said floor, said seats having pivoted back portions, means limiting rearward movement of each pivoted back portion progressively from the center of the auditorium to the rear thereof, a flat screen located in a substantially horizontal plane mounted above said seats whereby said screen

may be viewed by occupants of said seats when in a reclined position, the plane of said screen being inclined to the plane of said floor at an

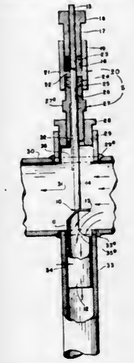


angle less than a right angle, the inclination of each row of seats relative to the center line of the screen being normal to the line of vision of the occupants of each row of seats.

2,380,838
MAGNESIUM BASE ALLOY
Joseph D. Hanawalt, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 10, 1941, Serial No. 418,615
4 Claims. (Cl. 75—168)

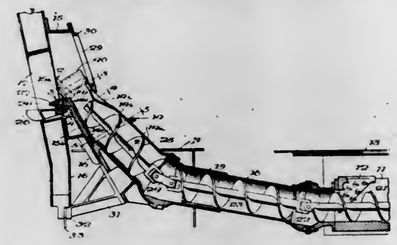
4. A magnesium base alloy containing from 1 to 3 per cent of manganese and from 0.02 to 0.05 per cent of calcium, the balance being substantially all magnesium.

2,380,839
CONTROL DEVICE FOR HEAT EXCHANGE SYSTEMS
William Louis Hand, Chicago, Ill.
Application June 16, 1944, Serial No. 540,707
7 Claims. (Cl. 138—37)



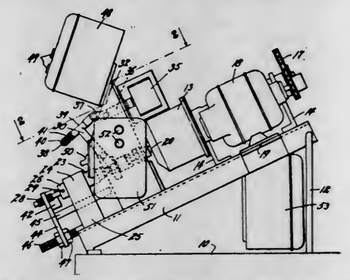
1. In a heat exchange pipe system carrying heat exchange fluid and having a main fluid conveying pipe, a sleeve adapted for use as a branch to said pipe, a length of pipe telescoping within said sleeve and having one end open and its other end closed, said pipe having an opening in its side wall adjacent said closed end to form a scoop, said length of pipe having its one open end facing away from said main pipe, and means for moving said length of pipe between two extreme positions, said pipe length having one extreme position where the scoop portion extends into the main pipe and faces the fluid stream for diverting fluid into said branch, said pipe length having another extreme position wherein said scoop portion is telescoped into said sleeve.

2,380,840
STOKER APPARATUS
William T. Hanna, Cincinnati, Ohio
Application August 19, 1942, Serial No. 455,327
9 Claims. (Cl. 110—105.5)



1. In a locomotive stoker for supplying solid fuel to a fire box through a firing opening in the back wall thereof, including fuel distributing apparatus associated with said opening, a conduit system for delivering fuel to said distributing apparatus comprising the combination of a conduit section from which fuel flows lengthwise of the section to said distributing apparatus, a conveyor screw rotatable within said conduit section and terminating therein, a portion of the wall of said conduit section, adjacent the delivery end of said screw and at one side of the vertical plane including the axis of said screw, being offset inwardly with relation to the adjacent portion of the wall on the opposite side of said plane, and means for driving said screw in a direction to cause a point on the periphery thereof next to said adjacent portion to move toward said inwardly offset portion, whereby said conduit system delivers substantially equal volumes of fuel on both sides of said plane.

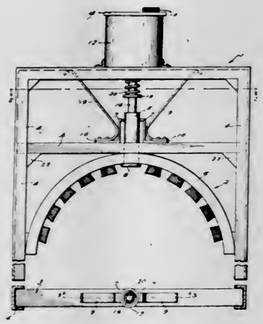
2,380,841
THREADING AND TESTING MACHINE
John E. Heckethorn, Littleton, Colo.
Application April 17, 1944, Serial No. 531,515
7 Claims. (Cl. 10—136)



1. The combination with a tapping device of the type having a drive shank and a driven spindle in which axial shifting of the spindle reverses the direction of rotation thereof, of a bed plate; means for supporting said device on said bed plate; means for rotating said shank; a driven shaft; means for supporting said driven shaft from said bed plate in axial alignment with the spindle of said device; a slidable, splined connection between one extremity of said shaft and said splindle; means for axially supporting a tool at the other extremity of said shaft; a thrust bearing mounted on said spindle; a pivotally mounted yoke operatively connected with said thrust bearing; a solenoid; an armature actuated by said solenoid; means connecting said

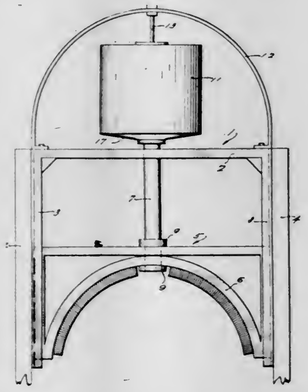
armature with said yoke for rocking the latter to shift said spindle longitudinally; a gauge member adjustably positioned adjacent said tool; and contact means supported by said gauge member in the path of the work on said tool for actuating said solenoid at a predetermined point.

2,380,842
ANIMAL-SCRATCHING DEVICE
Fred L. Heese, Pender, Nebr., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr., a corporation of Nebraska
Application April 29, 1944, Serial No. 533,386
2 Claims. (Cl. 119—157)



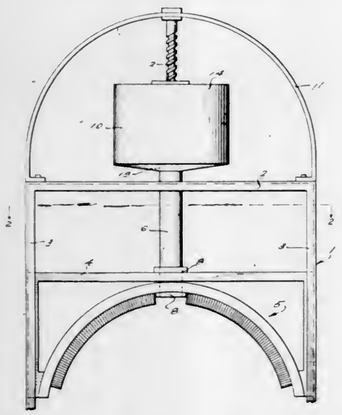
1. An animal-scratching device comprising a frame, an animal-actuated brush slidably mounted on said frame, a collapsible powder-dispensing container mounted on the frame, a discharge tube connected to the container, and a tube on the brush engageable with the first-named tube for collapsing the container for discharging the powder therefrom on the animal.

2,380,843
ANIMAL-SCRATCHING DEVICE
Fred L. Heese, Pender, Nebr., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr., a corporation of Nebraska
Application April 29, 1944, Serial No. 533,387
4 Claims. (Cl. 119—157)



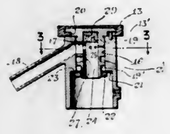
1. An animal-scratching device comprising a frame, a brush, operable by an animal, slidably mounted on said frame, a container, for dispensing powder on the animal, mounted on the brush and movable therewith, and means on the frame for agitating the powder in the container when said container is moved relative to said frame.

2,380,844
ANIMAL-SCRATCHING DEVICE
Fred L. Heese, Pender, Nebr., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr., a corporation of Nebraska
Application June 7, 1944, Serial No. 539,103
2 Claims. (Cl. 119—157)



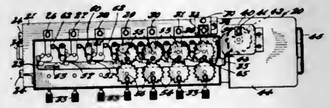
1. An animal-scratching device comprising a frame, a brush, operable by an animal, slidably on said frame, a container, for the reception of a mixture, mounted on the brush and movable therewith, a stationary screw shaft mounted on the frame and projecting into the container, an agitator for the mixture threadedly mounted on the screw shaft and rotatable thereon in the container, upon vertical movement of the container relative to the screw shaft, and means for depositing the mixture from the container on the animal.

2,380,845
SOUND MODIFIER
Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 10, 1942, Serial No. 465,129
3 Claims. (Cl. 274—27)



1. In a sound modifier of the character described: a tubular housing having a sound inlet opening at one end and a sound outlet opening in a side wall thereof; a valve member closing the other end of said housing member and forming a sound chamber within the housing member between the inlet and outlet openings thereof, said valve member being rotatably mounted in said housing member and cooperating with said outlet opening to open and close the same upon angular adjustment of the valve member; and a sound-absorptive material lining a wall portion of said sound chamber, said material being exposed to the sound waves in said chamber for direct sound absorption, and the area of exposure of said material being the same in all adjusted positions of said valve member.

2,380,846
POCKET CALCULATING MACHINE
Aron M. Josepho, New York, N. Y.
Substituted for abandoned application Serial No. 239,797, November 10, 1938. This application January 21, 1943, Serial No. 473,079
4 Claims. (Cl. 235—74)



1. A calculating device comprising: a row of rotatable shafts mounted in a holder, each shaft having one of a first set of dials fixed thereon and another dial of a second set frictionally clutched thereon, all the dials having numerals thereon, a fixed index means to which a selected numeral on each of the dials is settable, means to rotate the dials on a shaft together to set up a value, tens transfer means operatively connecting the dials of the first set, a means for resetting the dials of the second set to zero, and means for locking the dials of the second set against rotation during the tens transfer of corresponding dials of the first set.

2,380,847
METHOD OF PRODUCING OIL FROM OIL-BEARING MATERIALS
Charles W. Kaufman, Hasbrouck Heights, N. J., assignor to General Seafoods Corporation, Boston, Mass., a corporation of Massachusetts
No Drawing. Application May 26, 1942, Serial No. 444,584
10 Claims. (Cl. 195—3)

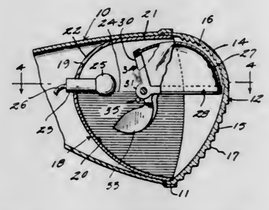
1. A process of producing oil from oil-bearing protein material of animal origin which is normally subject to relatively rapid spoilage, which comprises forming an aqueous mixture of the fresh raw material with alcohol, the concentration of alcohol being not more than 12% nor less than 3% by weight of the mixture, storing the mixture until substantial digestion of said material has taken place, and then recovering the oil from said mixture.

2,380,848
PREPARATION OF MODIFIED STARCH PRODUCT
Ralph W. Kerr, Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1942, Serial No. 462,589
7 Claims. (Cl. 195—17)

1. The method of making a modified residue starch which comprises saccharifying about 10–20 per cent of the starch contained in a raw starch milk by means of a diastatic enzyme at a temperature below the gelatinization temperature of the starch, effecting separation as between the saccharified portion of the starch and the remainder thereof, and subjecting the latter to treatment at an elevated temperature with a starch liquefying agent to reduce the hot paste Scott viscosity characteristic thereof.

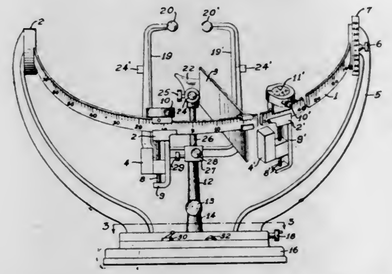
2. The method of making a starch product which comprises saccharifying about 10–20 per cent of the starch contained in a raw starch milk by means of a diastatic enzyme at a temperature below the gelatinization temperature of the starch, effecting separation as between the saccharified portion of the starch and the remainder thereof, and further modifying the latter by conversion with a starch liquefying enzyme.

2,380,849
ANTIGLARE HEADLIGHT
John William Kolb, De Kalb, Tex.
Application April 21, 1944, Serial No. 532,127
1 Claim. (Cl. 240—45)



A headlight comprising a casing, a lens carried by said casing, a reflector in said casing, a light source in said reflector, a dome-shaped light transmitting shield between said lens and said reflector, means swingably supporting said shield, a downwardly and rearwardly inclined weight dependingly carried by said supporting means for gravitatingly maintaining said shield in a position to intercept glaring light rays from said light source and said reflector, an upper pair of stop members carried by said reflector engageable with said supporting means for limiting the swinging of said supporting means in one direction, and a lower pair of stop members carried by said shield engageable with said weight for limiting the swinging of said supporting means in the opposite direction.

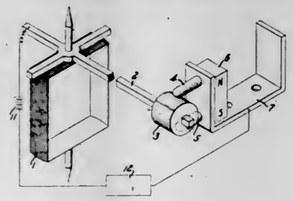
2,380,850
BINOCULAR INSTRUMENT
Emanuel Krimsky, Brooklyn, N. Y.
Application October 16, 1942, Serial No. 462,314
7 Claims. (Cl. 88—20)



1. In an optical instrument, a base, an arcuate member carried on said base, a pair of light

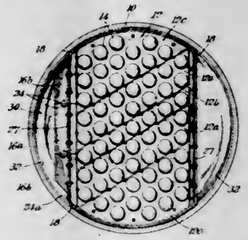
supports slidably positioned on said member, a light source on each support, means for moving the light sources vertically on the respective supports the light from each source being directed towards a respective eye of a patient positioned rearwardly of said arcuate member, means for pivotally supporting the ends of said arcuate member so as to permit the light supports to be swung up or down in unison and means on said base for positioning the head of a patient.

2,380,851
MAGNETIC CONTACT
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application April 26, 1943, Serial No. 484,611
5 Claims. (Cl. 200—166)



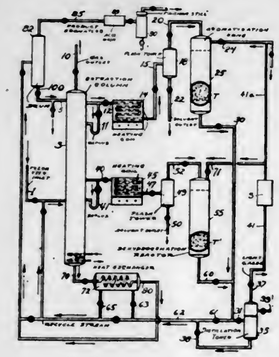
1. A twin contact assembly for use in a sensitive instrument relay of the magnetic contact type; said assembly comprising a miniature bar magnet, and pole pieces of soft iron extending in parallel relation from the opposite ends of the bar magnet, and means including a bracket having an end flange supporting said magnet and pole pieces in fixed assembled relation, said magnet being attached to a face of said flange by a binder.

2,380,852
FRACTIONATING PLATE CONSTRUCTION
Pierre Lambert, New Rochelle, Ralph H. Riemenschneider, Pleasantville, and John A. Gibb, Northport, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 22, 1942, Serial No. 447,948
4 Claims. (Cl. 261—114)



1. In a fractionating tower, an apron downpipe construction including a pair of vertical supporting strips spaced around and projecting inwardly from the inner wall of the tower and rigid therewith; an apron body comprising a panel formed of a plurality of sections in edgewise opposition in succession horizontally across the apron and having angular flanges along their opposed edges, each of said sections extending the full depth of the apron body and said body having an upper margin projecting above an edge of a bubble deck to comprise a weir structure, a horizontal supporting flange overlapping the margin of said deck edge, side margins overlapping the said supporting strips, and a portion between said side margins belled toward the adjacent wall of the tower to afford space for a subjacent bubble deck and cap assembly adjacent the lower margin of the apron body; releasable fastening means securing said apron sections together through the said angular flanges thereof; and releasable fastening means securing the apron body, through said side margins thereof, to the said supporting strips.

2,380,853
METHOD OF PRODUCING AROMATIC HYDROCARBONS
Norman F. Linn, Mountainside, and Carl O. Tongberg, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 29, 1942, Serial No. 456,674
4 Claims. (Cl. 260—668)



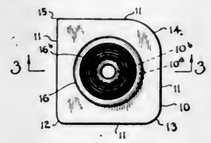
1. An improved process for the production of nitration grade toluene from a hydrocarbon fraction containing paraffins, naphthenes and aromatics and boiling in the range between about 190° and 240° F. which comprises solvent extracting said hydrocarbon fraction with a liquid preferential solvent for aromatics at a temperature between about 200° and 220° F. in a solvent treating zone, withdrawing from said zone a hydrocarbon stream rich in paraffins, a hydrocarbon stream rich in naphthenes, and a hydrocarbon stream rich in aromatics, separately subjecting said paraffinic stream to aromatization in the presence of a catalyst selected from the group consisting of the oxides of chromium, molybdenum and vanadium, and in the presence of a recirculating stream of hydrogen maintained at a pressure between 50 and 300 lbs. per square inch, separately subjecting said naphthenic stream to hydroforming in the presence of a catalyst consisting of from 3 to 20% of molybdenum oxide supported on Activated Alumina, and in the presence of a recirculating stream of hydrogen maintained at a pressure between 50 and 300 lbs. per square inch, said hydrogen stream containing between 30 and 80 mol percent hydrogen, combining the products of aromatization and hydroforming, subjecting said combined products to vapor-liquid solvent extraction, removing from said solvent extraction an aromatic fraction, passing said aromatic fraction to a distillation zone, recovering from said zone a fraction boiling between about 228° and 231° F., washing the fraction boiling between about 228° and 231° F. with sulfuric acid to remove olefins, and redistilling to obtain thereby substantially pure toluene.

2,380,854
VALVE ELEMENT
Clarence H. Lorig, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application March 22, 1941, Serial No. 384,720
7 Claims. (Cl. 123—188)



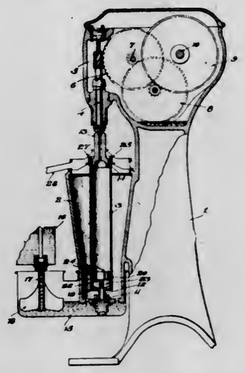
1. An internal combustion engine valve element formed, at least in part, from an alloy steel characterized by being at least predominantly austenitic as cooled from temperatures in the range of about 2000° to 2300° F. and after reheating at temperatures up to 1600° F., by having high resistance to scaling and corrosion in the products of combustion of gasolines containing tetraethyl lead, by having high strength and high hardness at valve operating temperatures and high retained strength and hardness after long exposure at such temperatures; said steel comprising a plurality of elements of which the following in the ranges stated are the only elements necessary to attain said characteristics, chromium in the range of 22.0 to 26.0%, manganese in the range of 8.5 to 20%, carbon in the range of .80 to 2.7%, with the balance substantially iron.

2,380,855
SCRAPER
Melvin S. Lower, Ravenna, Ohio
Application February 14, 1944, Serial No. 522,214
3 Claims. (Cl. 15—236)



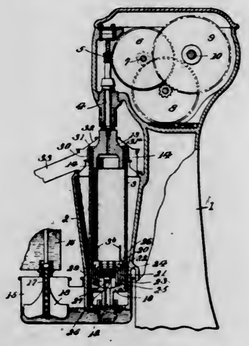
1. A scraper of the character described comprising a flat blade having scraping edge portions all around the same, and gripping means centrally of said blade, said gripping means providing button-shaped members relatively smaller than said blade and projecting from opposite sides thereof a substantial distance, said button-shaped members having oppositely disposed central recessed portions substantially rounded at the edges thereof, said blade being so proportioned in size that said button-shaped members are adapted to be gripped between the fingers without the edges of the blade necessarily contacting adjacent portions of the fingers, the size of said rounded recessed portions being sufficient to receive substantial portions of the fingers in gripping relation of the same with the button-shaped members.

2,380,856
HOMOGENIZER
James B. McFadden, West Chester, Pa., assignor to United Dairy Equipment Company, West Chester, Pa., a corporation of Pennsylvania
Application February 18, 1943, Serial No. 476,347
4 Claims. (Cl. 259—96)



1. A homogenizer including in combination a rotary closed bowl having an inlet at its lower end arranged centrally thereof and outlet openings at the upper end thereof which are positioned further from the axis of rotation of the bowl than the inlet, said bowl having a sleeve located within its lower end, a spreader head located in the bowl in alignment with the inlet opening and having a tapered underface for directing the mixed ingredients outwardly toward the wall of the sleeve and radially disposed blades attached to and rotating with the bowl for impacting said mixed ingredients against the wall of the sleeve and causing the same to flow upwardly along the surface thereof, and spaced ribs mounted on said sleeve for causing the flowing ingredients to rotate at the same speed as the bowl, whereby centrifugal force will scrape said ingredients over the edge of the sleeve and impact the same against the wall of the bowl.

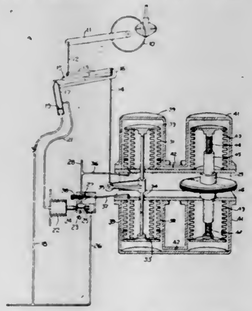
2,380,857
HOMOGENIZER
James B. McFadden, West Chester, Pa., assignor to United Dairy Equipment Company, West Chester, Pa., a corporation of Pennsylvania
Application January 19, 1944, Serial No. 518,901
4 Claims. (Cl. 259—96)



1. A homogenizer including in combination a rotary closed bowl having an inlet at its lower

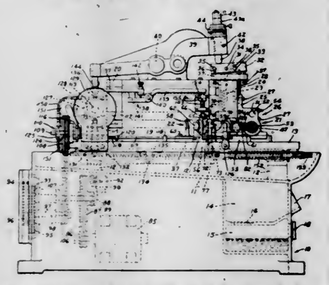
end arranged centrally thereof and outlet openings at the upper end thereof which are dimensioned so that the mixed ingredients to be homogenized will be caused to enter the inlet opening by suction, pass along the wall of the bowl and be discharged through said outlet openings, said bowl at the receiving end thereof having a series of concentric sleeves arranged one within another with each outer sleeve projecting above the adjacent inner sleeve contacting therewith, the upper ends of said sleeves having their inner faces parallel with the axis of the bowl and their outer faces inclined so as to provide a plurality of radially spaced sharp cutting edges across which the mixed ingredients are moved by centrifugal force and impacted against the inner face of the next adjacent sleeve.

2,380,858
CONTROL APPARATUS
Jerome B. McMahon, Wilmette, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application April 14, 1943, Serial No. 483,083
14 Claims. (Cl. 137—153)



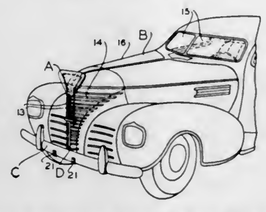
1. Control apparatus comprising means responsive to variations in a condition for producing a pressure proportional to a function of the condition, a pressure responsive member responsive to said pressure to be moved thereby and connected to said means to move it, means forming a closed chamber containing a compressible fluid whose volume is varied by movement of said member, and means to force a variable quantity of liquid into said chamber to vary its effective volume.

2,380,859
MILLING MACHINE
Newman M. Marsilius, Bridgeport, Conn.
Application July 21, 1942, Serial No. 451,693
11 Claims. (Cl. 90—15.1)



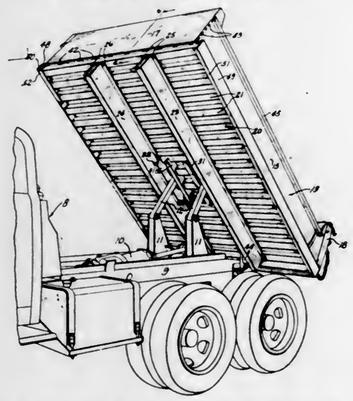
1. In a machine for milling the end faces of the spiral flutes of a tool, a work holder including a horizontally disposed chuck for supporting a tool from its shank end, a support, a slide horizontally movable on said support, a head vertically movable on said slide, a cutter holder carried by said head, means for simultaneously lowering said head and moving said slide while the cutter holder is engaging a cutter with the free end portions of the tool to cut the latter on an angle, means for indexing the chuck at the end of each such cut, and means mounting said work holder for pivotal adjustment about a vertical axis whereby to support a tool with the wall of a flute the end face of which is being cut disposed at an angle of ninety degrees to the axis of the cutter.

2,380,860
AIR DEFLECTOR FOR AUTOMOBILES AND METHOD OF MAKING THE SAME
Alfred R. Metzger, Bald Eagle, Minn.
Application June 26, 1941, Serial No. 399,796
15 Claims. (Cl. 296—84)



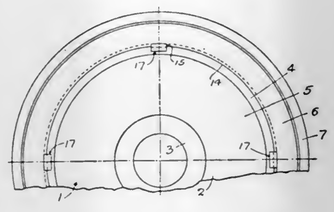
1. An air deflector for causing bugs to be deflected away from the main windshield of a vehicle, including a substantially upright transparent deflector shield member, a plurality of holes formed in the body of said deflector member, and a substantially upright wire threaded through said plurality of holes and shield to underlie vertically spaced portions of said shield to reinforce said shield against wind pressure directed thereagainst when the vehicle is in motion.

2,380,861
TRUCK BODY AND SUBFRAME CONSTRUCTION
Arnold F. Meyer, Pewaukee, and Henry C. French, Elm Grove, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 22, 1943, Serial No. 476,660
9 Claims. (Cl. 296—28)



1. In a vehicle body having a floor, a sheet metal plate formed with corrugations secured to the lower side of said floor, with the corrugations extending transversely of the floor, and apertured longitudinally extending bearing plates having upper edges scalloped to fit the corrugations of the corrugated plate and rigidly secured to the latter and having portions depending below the corrugated plate, the extreme upper edges of the scalloped portions contacting the metal plate between corrugations and the side and bottom edges of the scalloped portions contacting the sides and bottoms of the corrugations throughout the length of each bearing plate.

2,380,862
ROTATABLE STRUCTURE
Hunter Michaels, New York, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application June 5, 1943, Serial No. 489,756
1 Claim. (Cl. 295—19)



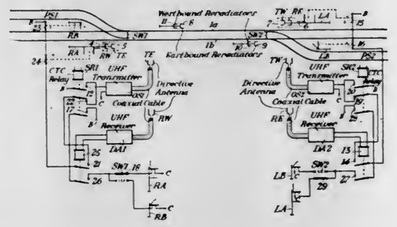
A railway vehicle wheel comprising a one-piece rim having an outer cylindrical face with a transverse groove; a bar housed in said groove flush with said face, having extended permanent end flanges engaging the sides of said rim; and a demountable tire having an inner continuous cylindrical face tightly engaging said rim face and a flange engaging a side of said rim provided with a groove therein engaging the bar flange adjacent thereto.

2,380,863
IMPROVING MAGNESIUM-BASE ALLOYS
Charles E. Nelson and Graydon E. Holdeman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 26, 1942, Serial No. 459,832
6 Claims. (Cl. 75—67)

1. In a method of improving the mechanical properties of cast magnesium-base alloys by treatment of the molten metal prior to casting, the step which comprises agitating the molten metal in intimate contact with a gaseous oxide of carbon for a period sufficient to effect the desired improvement in properties but insufficient to produce a substantial thickening of the melt.

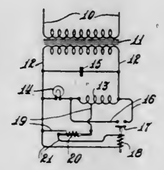
2,380,864
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 1, 1944, Serial No. 547,570
7 Claims. (Cl. 246—3)

1. In combination with a stretch of railway track having a block signal located at a first end of the stretch to govern traffic through the stretch, transmitting means at said first end of the stretch operative at times to radiate an ultra high frequency current along the track toward the second end of the stretch, said current having a wave that is beamed along the track to be intercepted by a train cccupying the stretch, receiving means at said second end responsive to such ultra high frequency current to detect the current wave when the stretch is unoccupied,



another transmitting means at said second end governed by said receiving means to radiate another ultra high frequency current along the track toward sad first end, another receiving means at said first end responsive to said other ultra high frequency current to detect that current wave, and control means at said first end governed by said other receiving means to clear said block signal in response to detection of said last mentioned current wave.

2,380,865
ELECTRIC CIRCUIT
Waldemar N. Olson, Brookfield, Ill., assignor to Reynolds Electric Co., Chicago, Ill., a corporation of Illinois
Application March 20, 1944, Serial No. 527,210
7 Claims. (Cl. 315—120)

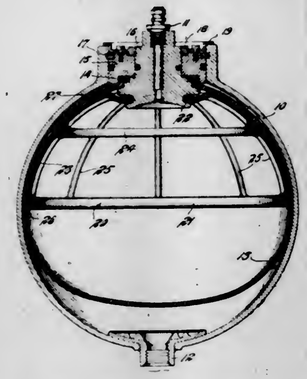


1. The combination with a main variable voltage circuit, of a branch circuit including a transformer transmitting energy from said main to said branch circuit and a choke coil; a control circuit having one end tapped into said choke coil and connected at its other end with said branch circuit; and means for utilizing said control circuit to maintain a substantially constant voltage in said control circuit.

2,380,866
BLADDER STIFFENER
John William Overbeke, New York, N. Y., assignor to Simmonds Aerocessories, Inc. of New York, New York, N. Y., a corporation of New York
Application April 25, 1944, Serial No. 532,580
6 Claims. (Cl. 138—30)

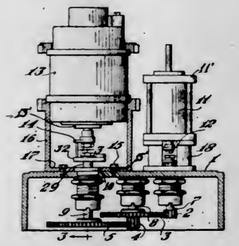
1. A pressure accumulator comprising, a shell having fluid passages therein, a bladder attached within said shell in communication with one of said passages, and a separate bladder stiffener

attached within said bladder and arranged to hold the portion adjacent the attached end of



said bladder extended outwardly toward said shell while leaving the remainder thereof relatively free to flex.

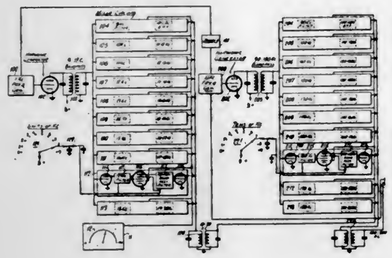
2,380,867
SHAFT ALIGNING APPARATUS
Oscar W. Packer, Reading, Mass., assignor to The Sanborn Company, Cambridge, Mass., a corporation of Massachusetts
Application February 5, 1944, Serial No. 521,279
4 Claims. (Cl. 308—62)



1. Apparatus of the character referred to comprising a support, a shaft journaled in the support, a rotor casing detachably mounted on one face of the support, a rotor carried by the casing in axial alignment with the shaft, a mounting unit for journaling said shaft and aligning the rotor with the shaft, said unit having cylindrical surfaces interfitting corresponding surfaces on said support, shaft and casing respectively, the surfaces interfitting with the shaft and casing being concentric with each other and the surface interfitting with the support being eccentric relatively to the other two surfaces, whereby rotation of the unit on the support shifts the shaft and casing laterally without altering the alignment of the shaft with the rotor.

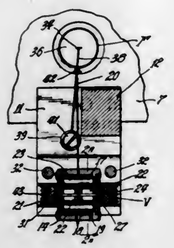
2,380,868
FREQUENCY MEASURING SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1943, Serial No. 489,085
3 Claims. (Cl. 250—36)

1. A system for producing a high frequency wave of an accurately predetermined frequency from a single invariable frequency source including, means for deriving from said source a plurality of frequencies decimally related to said source, means for producing from each of said frequencies a band of harmonics covering the interval between successive harmonics of the frequency next higher in decimal order, a bank of



harmonic selectors and mixer circuits individual to each of the harmonics generated from each of said frequencies, means for coupling each of said mixer circuits of each bank to the output of the bank of mixer circuits associated with the harmonic producing means of the frequency next lower in decimal order, and means for selectively energizing one of the mixer circuits in each bank.

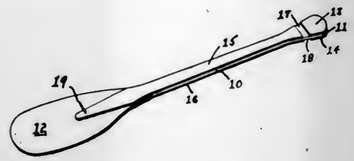
2,380,869
LOUD-SPEAKER
James P. Quam, Chicago, Ill., assignor to Quam-Nichols Company, Chicago, Ill., a corporation of Missouri
Application March 10, 1941, Serial No. 382,598
13 Claims. (Cl. 179—119)



5. A motor for driving a loud speaker diaphragm including a frame member, a permanent magnet in block shape resting on said frame member at one end thereof, a pair of pole pieces having an armature and a voice coil therebetween supported as an assembly on said frame member at the other end thereof with the outside of said assembly exposed and readily accessible at the end of the frame member, said armature having a driving portion thereon extending toward said one end, a second frame member substantially parallel to said first frame member engaging said magnet on a side thereof opposite said first frame member and engaging the pole piece assembly on a side thereof opposite the first frame member, with said frame members being maintained in position generally by the magnetic attraction in the magnet block and pole pieces,

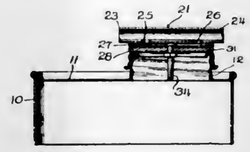
means operatively connected to said driving portion and extending therefrom for connection with a loud speaker diaphragm, and supplementary frame assemblying means consisting of a pair of bolts extending between said frame members, with said driving portion and said operatively connecting means being exposed and readily accessible at the ends of the frame members adjacent the permanent magnet.

2,380,870
PADDLE
John K. Reed, Charlevoix, Mich.
Application June 21, 1944, Serial No. 541,326
1 Claim. (Cl. 9—24)



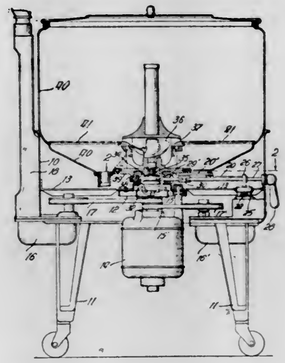
A plywood paddle comprising a body having a blade, an enlarged handle and a reduced elongated intermediate part connecting the handle and blade, and a pair of elongated plywood members secured to and contacting the intermediate part throughout the length thereof and having tongues extending over and contacting the blade to reinforce the latter, each of said plywood members being on a side of the paddle which is opposite to that of the other.

2,380,871
POURING SPOUT
Bestor Robinson, United States Army, Oakland, Calif.
Application January 30, 1943, Serial No. 474,191
1 Claim. (Cl. 222—482)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



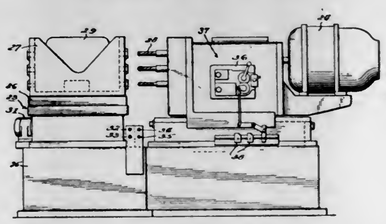
A portable container cap and spout comprising a screw threaded, cup-shaped body adapted to close the neck of a container, a straight tube of uniform diameter and open at both ends secured diametrically across the upper surface of said cap body and having communication ports between the interior of the tube and the interior of the cap body and a sealing disc frictionally seated within said cap body and adapted to be clamped between the neck of the container and the cap body to seal the communication ports when the container is closed, said sealing disc being composed of a plurality of layers, means comprising an elongated member having a part projecting from the disc for securing said layers together, whereby when the disc is in position within the cap and the cap is removed from the container, the projecting part of the elongated member forms a handle extending towards the open side of the cap for removing the sealing disc from the cap so that the cap body and spout may be replaced on the container with the communication ports open for pouring.

2,380,872
FLUID AGENCY CLOTHES WASHER WITH OSCILLATING TUB
William Rocke, South Bend, Ind.
Application October 30, 1941. Serial No. 417,073
1 Claim. (Cl. 68—148)



In a fluid agency clothes washer, a tub mounted for pivotal movement on a central vertical axis, said tub carrying spaced above its bottom a horizontally disposed perforate partition, a pump mounted in said tub below said partition, said pump having an annular discharge orifice immediately above said partition and concentric with said axis and discharging radially, to create cyclic, toroidal, rolling water currents in washing action carrying clothes in contact with said partition and tub, and means to oscillate said tub, independently of said pump, about its axis during said washing action to interrupt the flow of the clothes in the rolling water currents and divert them from their normal course in effecting said washing action.

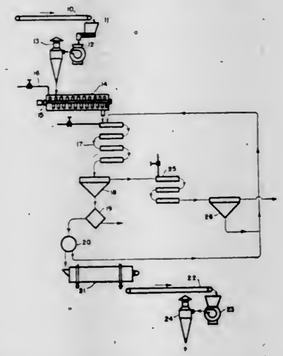
2,380,873
INDEXING MECHANISM
Robert A. Schafer and Ralph Rodal, Richmond, Ind., assignors to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application March 18, 1942, Serial No. 435,156
12 Claims. (Cl. 77—64)



6. An indexing mechanism for a machine tool having an index table, a support, a hydraulic motor having two relatively movable parts mounted for rotation with respect to said support, said parts rotating alternately in the same direction

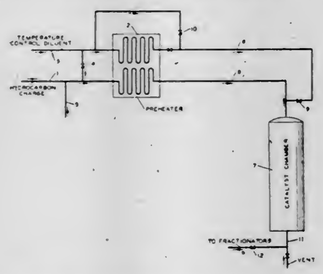
during the operation of said motor, a rigid driving connection between one of said parts and said table, a locking element for said table and the part connected thereto, a locking element for the other of said parts, and an interlocking connection between said locking elements to prevent one of said elements from being moved to ineffective position prior to the movement of the other locking element to effective position.

2,380,874
ROOT STARCH PROCESS
Richard H. Schilling and George J. Mitchell, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application April 20, 1942, Serial No. 439,664
5 Claims. (Cl. 127—66)



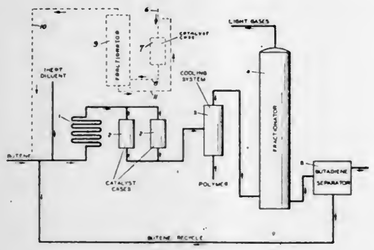
1. Process of recovering starch from roots which comprises, comminuting dried roots, mixing the comminuted roots with water to form a dough, working the dough to loosen starch from the fibrous material, mixing the dough with water to form a thin starch slurry, concentrating said slurry by centrifugal means, filtering said slurry and drying the resultant starch.

2,380,875
CATALYTIC TREATMENT OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 10, 1942, Serial No. 430,281
1 Claim. (Cl. 260—680)



A process for the catalytic dehydrogenation of a butene to produce 1,3-butadiene in the presence of an active bauxite-barium hydroxide catalyst mass which progressively declines in activity on continued use, which comprises passing to a catalyst zone containing said catalyst a stream of butene and steam, in the proportion of one mol of butene to two mols of steam, preheated to a temperature of approximately 1220° F. at the rate of 1.0 liquid volume of butene per volume of catalyst which stream is admixed with a second stream consisting of steam at a temperature of approximately 740° F. at such a flow rate that the temperature of the mixed stream is approximately 1160° F., thereafter, as the activity of the catalyst declines progressively, decreasing the flow rate of the second stream of steam so that the temperature of the mixed stream at the inlet to the catalytic zone gradually increases from approximately 1160° F. to approximately 1220° F. in accordance with the progressively declining activity of the catalyst without changing substantially the temperature or flow rate of said stream of butene and steam or the conversion rate of the butene to butadiene.

2,380,876
PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze, John C. Hillyer, and Harry E. Drennan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 23, 1940, Serial No. 353,961
10 Claims. (Cl. 260—680)



4. A process for the dehydrogenation of olefins to produce diolefins which comprises contacting said olefins at dehydrogenating temperatures with a catalyst consisting essentially of bauxite impregnated with a barium compound subsequently converted to the hydroxide, said catalyst containing a major proportion of bauxite and a minor proportion of barium hydroxide.

10. A catalyst for the dehydrogenation of olefins to diolefins which consists essentially of bauxite and a minor proportion of a compound selected from the oxides and hydroxides of barium and strontium.

2,380,877
COMPOSITION FOR COUNTERACTING MICROORGANISMS
Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application July 11, 1942, Serial No. 450,616
9 Claims. (Cl. 167—22)

8. A germ counteracting composition which comprises, as the essential germ counteracting ingredient therein, a soluble quaternary ammonium compound, the ammonium nitrogen of which has attached thereto, besides an anion which forms a soluble quaternary ammonium compound, one higher aliphatic radical of not less than 14 nor more than 18 carbon atoms, and one acylated lower molecular weight aliphatic radical including an acetoxy group, the carboxyl of which is connected through its —O— atom to the ammonium-nitrogen-containing portion of the molecule, and has attached thereto by two of its remaining valence linkages at least one lower molecular weight hydrocarbon radical, the sum of the carbon atoms in the portion of the molecule thus attached through said two valence linkages being less than 8.

2,380,878
AGENTS FOR LUBRICATING OILS AND METHODS OF MAKING THE SAME
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 3, 1943, Serial No. 493,896
10 Claims. (Cl. 252—32.7)

1. A process of preparing an improvement agent for lubricating oils, from alkylated phenols containing at least one branched chain alkyl group, which comprises heating 100 parts of said alkylated phenols with 10 to 40 parts of phosphorus trichloride and 0.1 to 10 parts of phosphorus sesquisulfide, by weight, at temperatures between 300° and 540° F. until substantially all of the phosphorus trichloride and phosphorus sesquisulfide have reacted and acid reaction products thereof are obtained, and converting the acid reaction products so obtained into stable, substantially neutral metal derivatives thereof by further heating said acid reaction products with a reactive metal compound of a class consisting of the oxides and hydroxides of a polyvalent metal, the amount of said reactive polyvalent metal compound being sufficient to neutralize the acidity of said reaction products, and the mixture being heated to temperatures between 300° and 450° F. until stable, substantially neutral metal derivatives thereof are obtained, and separating the unreacted metal oxides and hydroxides and other insoluble compounds from the oil-soluble improvement agent so obtained.

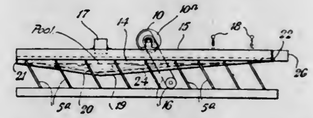
2,380,879
SOLUBLE BENZYL ETHER OF DEXTRAN
Grant L. Stahly, Columbus, Ohio, and Warner W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio
No Drawing. Original application February 26, 1938, Serial No. 192,887, now Patent No. 2,328,036, dated August 31, 1943. Divided and this application March 31, 1944, Serial No. 528,956.
1 Claim. (Cl. 260—209)

The 2-stage method of producing soluble benzyl ether of dextran which comprises: heating together 30 grams of dextran, 90 grams of benzyl chloride, and 40 grams of sodium hydroxide at a temperature of from 140 to 180° C. for a period of from 3 to 6 hours; decanting the supernatant liquid; adding to the residue 90 grams of benzyl chloride, 40 grams of sodium hydroxide, and 200 cc. of water, and reheating the mixture under reflux for an additional period of 6 hours; and thereafter removing benzyl chloride and benzyl alcohol from the resulting mixture, whereby there is produced a benzyl ether of dextran soluble in solvents of the class consisting of acetone, Cellosolve, dioxane, ethyl acetate, diacetone, mesityl oxide, and chloroform.

2,380,880
ALTERNATING ELECTRIC CURRENT RECTIFIER OF THE SELENIUM TYPE
Leslie Ernest Thompson and Alexander Jenkins, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
No Drawing. Application January 19, 1944, Serial No. 518,886. In Great Britain October 19, 1942
2 Claims. (Cl. 175—366)

1. An alternating electric current rectifier of the selenium type described provided with a counter-electrode composed of indium, for the purpose specified.

2,380,881
WASHING OF GRANULAR MATERIALS
Fredrick Trostler, Virginia Water, England, and William Richard Skelton, Brynford, and Leopold Otto Henschel, Holywell, North Wales
Application December 28, 1942, Serial No. 470,366
In Great Britain October 21, 1941
3 Claims. (Cl. 209—442)

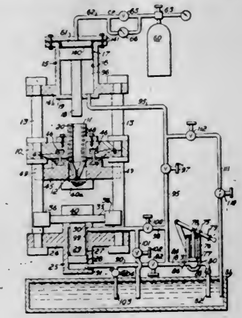


1. In apparatus for washing granular material, the combination of a member mounted for jigging motion and means for imparting such motion thereto, said member having a portion adapted to receive a pool of wash liquors and an inclined trough portion extending upwardly therefrom, said trough portion having a bottom which is depressed along its longitudinal centre line in reference to the remaining portions of its surface, and having riffles extending from spaced points along said centre line at forwardly and outwardly inclined angles, said riffles being inclined alternately towards the opposite sides of said trough portion, means for feeding wash water on to said inclined trough portion, and means for feeding material including granular particles to be washed on to said member adjacent to the lower end of said inclined trough portion, the inclination of said trough portion being so chosen that granular particles of said material will move out of the wash liquor in said pool-receiving portion and upwardly on said trough portion during the jigging motion, in counter current to the wash water.

2,380,882
INJECTION PRESS
Warren R. Tucker, Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application December 6, 1940, Serial No. 368,895
2 Claims. (Cl. 18—30)

1. A plastic injection machine comprising a fixed injection cylinder, an injection plunger reciprocable therein, a fluid motor connected to said plunger for reciprocating the same, a source of high pressure gas having a pressure greater than that required to advance said plunger in said cylinder to eject plastic material from said cylinder, said source of gas pressure being the sole means of advancing said plunger, means connecting said source of gas pressure to one side of said fluid motor for continuously urging the

motor to advance said plunger into said cylinder, a source of liquid pressure, means connecting said source of liquid pressure to the opposite side of said motor, said source of liquid pressure being normally idle in the sense that liquid is not supplied therefrom to the fluid motor, means for causing operation of said liquid pressure source to supply fluid to said fluid motor, means for by-passing said source of liquid pressure having flow regulating means therein, flow control means



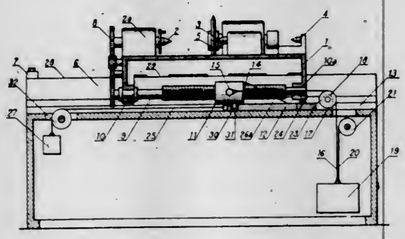
in said by-pass for closing the same to direct liquid from said liquid pressure source to said fluid motor when said liquid source is operated to deliver liquid to said motor, flow control means for stopping the flow of liquid to said fluid motor when said by-pass flow control means is opened to permit flow of liquid through said by-pass as forced from said fluid motor by said gas pressure source, and means disposed between said gas pressure source and said fluid motor for regulating the pressure applied to said motor.

2,380,883

THREAD GRINDING MACHINE

Fernand Turrettini, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland

Application May 8, 1944, Serial No. 534,584
In Switzerland November 27, 1943
1 Claim. (Cl. 51—95)



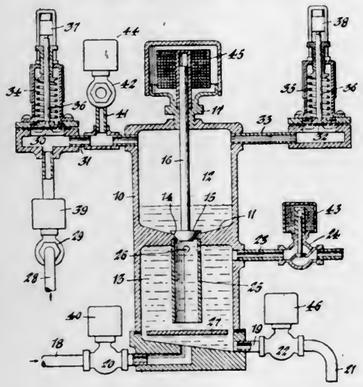
In a thread grinding machine with a work piece carrying table supporting a device for truing the grinding wheel and being operated by means of a lead-screw cooperating with a nut, the bed of the machine comprising two abutments determining two positions of the table: one for the grinding of the work piece and the other for the truing of the grinding wheel, in combination, an auxiliary slide arranged movably on the bed and inserted between the nut and one of the abutments, a system of two unequal counterweights exerting their action in opposite directions on the auxiliary slide, and lifting means for temporarily rendering the heavier counterweight ineffective whereupon the auxiliary slide is moved by the lighter counterweight, the whole being arranged in such a manner that the action of the counterweights either maintains the auxiliary slide in contact with the first abutment during the grinding operation or brings the table in contact wtih the second abutment for the truing of the grinding wheel.

2,380,884

DRINK MEASURING DEVICE

Walter Von Stoeser, North Tonawanda, and Fred H. Osborne, Snyder, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application July 1, 1943, Serial No. 493,020
10 Claims. (Cl. 225—21)



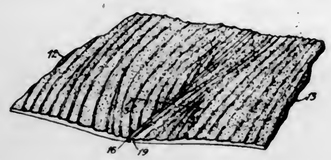
1. A measuring device for beverages, comprising a vessel divided by a partition into communicating beverage compartments and having a valve therein for controlling the flow of the beverage from one compartment to the other, valved inlet and outlet conduits connected to one of the compartments for controlling the flow of beverage to and a measured quantity of the beverage from such compartment, normally-closed, valved air intakes in said compartments adjacent the upper ends thereof and adapted to be opened when the valved beverage outlet is opened, and fluid pressure controlled means in communication with the other compartment and operatively connected to said valved beverage inlet for controlling the amount of beverage delivered to the vessel.

2,380,885

BUILDING ELEMENT

Otis Wack, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application December 22, 1941, Serial No. 423,947
1 Claim. (Cl. 108—8)



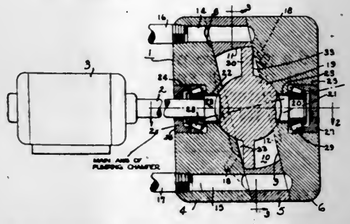
Roofing and siding elements formed with irregular hill-and-valley contours on their upper surfaces and adapted to be assembled with their side edges abutting to form weatherproofing surfaces, said abuttable edges being provided with complementary beveled portions formed by angularly beveling the edges to a depth at least as deep as the bottom of the deepest valley contour in any of the elements which are to be conjointly used to form said surface, thereby to insure that said element-abutting edges form even, self-effacing uniform joints irrespective of which thus treated elements are conjointly used and to eliminate chipping or flaking of said element side edges.

2,380,886

BALANCED BALL TYPE VANE PUMP OR MOTOR

George A. Waldie, Franklin, Ohio, assignor to The Hydraulic Development Corp. Inc., Mount Gilead, Ohio, a corporation of Delaware

Application December 18, 1941, Serial No. 423,486
5 Claims. (Cl. 103—134)



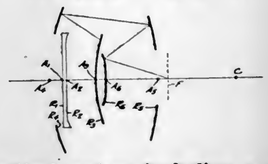
1. A fluid pump having a housing which forms a pumping chamber, a rotor mounted on a shaft therein, said chamber being of symmetrical cross section and the line of symmetry extending at an angle other than normal with respect to the axis of the shaft, a plurality of pairs of vanes slidably received by the rotor at equidistant positions thereabout and extending in the direction of the shaft, inlet and outlet conduits in communication with opposite sides of the pumping chamber, each of said conduits extending over a distance subtended by at least three adjacent vanes, said rotor having a spherical portion, said chamber having an arcuately curved outer peripheral wall whose center is removed from the center of said rotary shaft and curved side walls, each vane having inner and outer edges curved both in vertical and horizontal directions to conform to the spherical portions of said rotor and outer chamber wall, and side edges convexly curved to continuously contact the curved side walls of said chamber.

2,380,887

OPTICAL SYSTEM

Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Original application May 22, 1941, Serial No. 394,709. Divided and this application March 10, 1942, Serial No. 434,131. In Great Britain May 2, 1940
12 Claims. (Cl. 88—57)



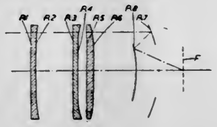
1. An optical system including a plurality of axially aligned spherical reflecting surfaces having substantially the same equivalent centre of curvature, and means disposed substantially at such common centre for simultaneous correcting for the spherical aberration, coma and astigmatism of such surfaces.

2,380,888

OPTICAL OBJECTIVE

Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application June 30, 1942, Serial No. 449,131
In Great Britain July 3, 1941
12 Claims. (Cl. 88—57)



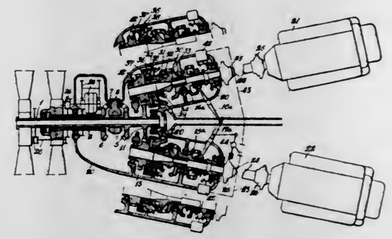
1. An optical objective, comprising in axial alignment two spherical reflecting surfaces supplying substantially the whole of the optical power of the objective one of such surfaces being convex and the other annular and concave, and three substantially afocal correcting surfaces whose shapes are so interrelated as to afford correction of three of the four aberrations, spherical aberration, coma, astigmatism and distortion, of the reflecting surfaces.

2,380,889

POLYENGINE BIPROPELLER DRIVE

Charles Raymond Waseige, Saint-Etienne, Loire, France; vested in the Alien Property Custodian

Application July 14, 1942, Serial No. 450,935
In France July 26, 1941
2 Claims. (Cl. 170—135.6)

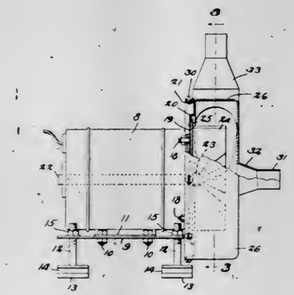


1. In a power plant for a dual engined aircraft, the combination of a pair of co-axial shafts; gearing connecting said shafts; a propeller mounted on each shaft; a gear mounted on one of said shafts; two gears meshing with said gear; a pair of engines each having a driving shaft; a change speed mechanism connected with each of said last mentioned gears; a clutch connecting each driving shaft with one of said change speed mechanisms; means to operate each of said change speed mechanisms independently; means to operate each of said clutches independently, a connection between the operating means for each clutch and the operating means for the change speed mechanism connected by the other clutch, so that when either clutch is unclutched the change speed mechanism of the other clutch is shifted to low speed.

2,380,890
PREPARATION OF GLUTAMIC ACID HYDROCHLORIDE
Vern S. Waters, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application October 13, 1941, Serial No. 414,854
1 Claim. (Cl. 260—529)

A process of hydrolyzing gluten for the production of glutamic acid which comprises subjecting gluten to the action of hydrochloric acid containing in excess of 25 per cent hydrogen chloride, under superatmospheric pressure for a sufficient period of time to effect a substantial hydrolysis while preventing the escape of hydrogen chloride gas, and crystallizing the resultant glutamic acid hydrochloride from the hydrolyzate while said hydrolyzate contains hydrogen chloride in a concentration not less than about 25 per cent.

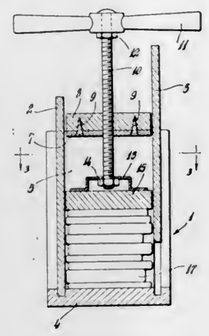
2,380,891
VENTILATING APPARATUS FOR TOILET HOPPERS
Herbert P. Wheeler, Springfield, Mo.
Application July 14, 1944, Serial No. 544,847
1 Claim. (Cl. 230—117)



In a ventilating attachment for toilet hoppers, a slow speed motor having a housing and a shaft, adjustable cushioned supporting means for the housing, a plate secured to one end of the housing and having a concentric recess in one side and an annular flange projecting beyond its other side, a disk rotatable within the recess and secured to and driven by the shaft of the motor, a hub secured to said shaft, curved blades extending from the hub to the margin of the disk and rotatable in one direction to effect a suction, a housing having an open side fitted on and surrounding the flanged portion of the plate, means for securing said housing to the flanged portion, and a marginal outlet and a central inlet in the housing, said blades, when rotating, constituting means for forcing air from the inlet to the outlet.

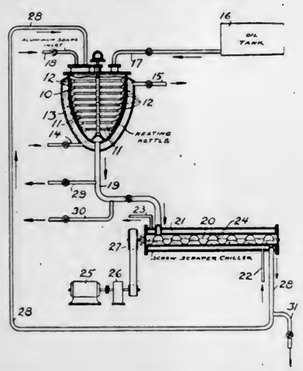
2,380,892
SOAP PRESERVER
Mayfield C. White, New York, N. Y.
Application May 15, 1944, Serial No. 535,570
1 Claim. (Cl. 25—7)

A soap preserver comprising a sturdy box which is open at two opposite sides and which has a bottom, two opposite side walls the inner sides of both extremities of which are provided with vertical grooves, and a top whose width is less than the distance between the grooves in one of said side walls; two plates which are longer than said side walls and which engage said grooves and are adapted to close said box; a plate having a threaded aperture in its center and being secured to the lower side of said top; a threaded spindle having a handle at its upper portion and extending through said top and through said threaded aperture and engaging the



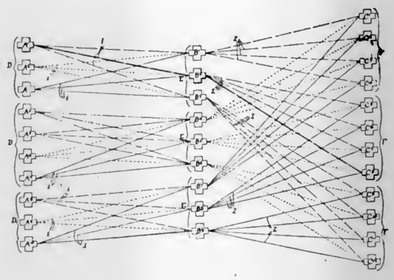
latter; and a pressure plate attached to the lower end portion of said spindle and being adapted to be reciprocated within said box and to press firmly against its bottom, all substantially as described.

2,380,893
LUBRICATING GREASE COMPOSITION
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 24, 1941, Serial No. 416,313
In Canada November 15, 1937
10 Claims. (Cl. 252—37)



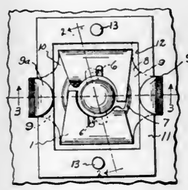
1. A lubricating grease capable of flowing under its own weight at normal atmospheric temperatures for machinery operating under conditions of local high temperature increase, or irregular and shock load effects and of frictional forces beyond the film strength of any hydrocarbon lubricating oil, comprising a viscous hydrocarbon naphthenic base oil compounded in grease forming proportions of between about 3% and 8% of an aluminum soap of a saturated fatty acid containing between 10 and 20 carbon atoms in the molecule and a substantially lesser amount of an unsubstituted carboxylic acid compound of the class consisting of unsaturated fatty acids containing between 10 and 20 carbon atoms in the molecule, naphthenic acids and their aluminum derivatives as a crystallization inhibitory compound for said aluminum soaps in mineral oil.

2,380,894
SYSTEM OF COMMUNICATION
Howard D. Colman, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 13, 1928, Serial No. 319,047
464 Claims. (Cl. 178—3)



1. A system of communication having, in combination with a transmitting unit and a plurality of terminal units, a relay unit having a storage medium on which message matter sent from the transmitting unit may be recorded, and means operable automatically upon the recording of message matter on said storage medium to initiate transfer thereof to one of said terminal units selectively.

2,380,895
SHIFTABLE COWL FASTENER
Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 24, 1943, Serial No. 499,860
3 Claims. (Cl. 24—221)

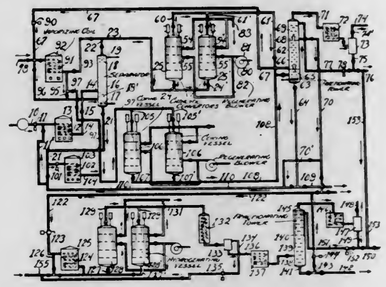


1. The combination of an apertured support, a female fastener member to be attached to one face of said support including a base having lateral bearing extensions disposed substantially in the plane of the base and intermediate laterally spaced portions extending outwardly from the plane of the base and means for attaching said female fastener member to said base providing shiftability thereof relative to said support aperture comprising a generally rectangular apertured attaching plate having portions overlying the bearing extensions of said fastener and loosely surrounding said outwardly extending portions thereof whereby the outwardly extending portion passes through the aperture in said attaching plate and connections for securing said attaching plate to said support.

2,380,896
PROCESS OF PREPARING MIXED POLYCARBOXYLIC ACID ESTERS OF CELLULOSE
Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 6, 1944, Serial No. 543,751
14 Claims. (Cl. 260—225)

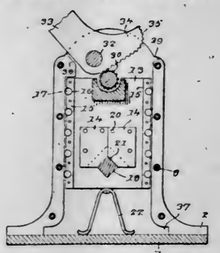
3. The process of preparing acyl cellulose polycarboxylates which comprises esterifying a partially acylated cellulose with a polycarboxylic acid compound selected from the class consisting of polycarboxylic acid anhydrides and polycarboxylic acid chlorides containing from three to six carboxyl groups in the presence of about eight to sixteen parts by weight of 1,4-dioxane to one part by weight of said acyl cellulose.

2,380,897
PROCESSING HYDROCARBON OILS
Eger V. Murphree, Summit, N. J., Alexis Voorhies, Jr., Baton Rouge, La., Leonard S. Bonnell, Westfield, N. J., and Louis S. Tregre, Baton Rouge, La., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
Application January 28, 1939, Serial No. 253,248
3 Claims. (Cl. 196—49)



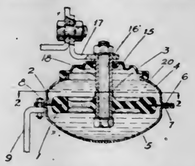
1. A method of processing residual oils which comprises distilling said residual oil to liberate vaporizable constituents and form a heavy fluid residue unsuitable for vapor phase cracking, passing the vapors so liberated in contact with a cracking catalyst in a cracking zone, maintaining said zone under conditions suitable for cracking said vapors into motor fuel constituents, maintaining said vapors in contact with said cracking catalyst for a period sufficient to effect the desired degree of conversion into motor fuel constituents, fractionally separating from said vapors a motor fuel fraction, a light condensate fraction boiling above the motor fuel boiling range, an intermediate condensate fraction and a heavy condensate fraction containing entrained unvaporized constituents, combining said last named heavy condensate fraction with said first named heavy fluid residue, subjecting the combined mixture to further cracking treatment to convert the same into a solid coke residue and vapors, vaporizing said intermediate condensate fraction, and combining the resulting vapors with vapors resulting from said first named distillation step prior to passing the same to the catalytic cracking zone.

2,380,898
CUTTING DEVICE
Rafael Pimentel, Mexico City, Mexico; Martha Pimentel Atristain executrix of said Rafael Pimentel, deceased
Application October 22, 1942, Serial No. 462,980
3 Claims. (Cl. 164—47)



1. In a rod cutting device, a body having a vertical guideway opening through the top, said body having registering slots in its upper and lower portions, a flat rectangular plate mounted for vertical sliding movement in the guideway and having a slot registerable with the slots in the lower part of the body, the said body and plate having co-acting rod cutters fixed thereon for cutting a rod extended through the slots, laterally projecting elements formed on the plate and projecting through the upper slots of the body, a plurality of rollers rotatably mounted in the side edges of the plate and engaging the interior of the body, a spring disposed in the bottom of the guideway for resiliently forcing the plate to elevated position, and means operative to slide the plate through downward cutting movement.

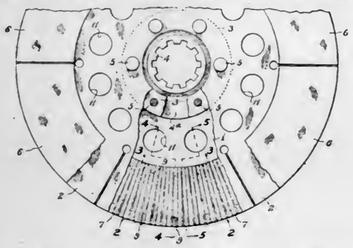
2,380,899
MOUNTING
Nikita B. Strachovsky, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application January 21, 1944, Serial No. 519,091
10 Claims. (Cl. 248—358)



1. A resilient mounting comprising a body of rubber, a casing having a wall that encloses the rubber, and connectors attached to said body having portions extending through the casing wall for attachment to relatively movable parts, the casing having yieldable connections with the connectors to permit relative movements of said connectors and containing a body of liquid which immerses said rubber and is chemically and physically inert thereto and to rubber-attacking constituents of atmosphere in which the mounting is used.

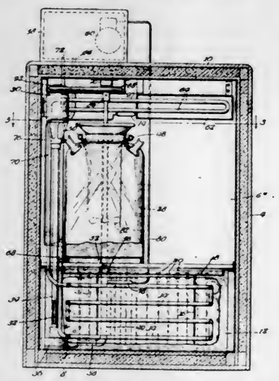
2,380,900
FRICTION DEVICE
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1942, Serial No. 432,439
18 Claims. (Cl. 192—107)

1. In friction apparatus, the combination of a disk element having on one side thereof an annularly-extending friction surface, an abutment member disposed adjacent the other side of the disk element and secured against rotational movement relative to said element and means for resiliently supporting the disk element comprising an arcuate sheet metal member interposed between the said element and the said abutment, the sheet metal member being of substantially uniform sheet thickness throughout and formed with corrugations extending from the inner edge



part to the outer edge part of the member with their oppositely-facing crests disposed in two parallel planes at right angles to the disk axis and the length of the sheet metal between adjacent corrugation crests being substantially the same along all cylindrical surfaces concentric with the arcuate member from the inner edge to the outer edge thereof, whereby the corrugated arcuate member may be formed by bending straight strip sheet metal stock.

2,380,901
REFRIGERATOR
Joseph W. Chamberlain, Zeeland, Mich.
Application February 13, 1943, Serial No. 475,715
14 Claims. (Cl. 62—141)

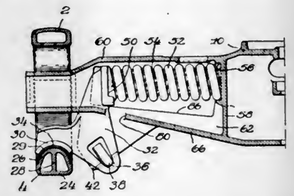


1. An apparatus of the class described comprising a compartment having means to freeze a block of ice, means for introducing a cooling fluid into said compartment to be cooled by said ice, means for conveying said cooling fluid from said compartment after it has been cooled and passing it in heat exchange relation with a substance to be cooled, and means to distribute said cooling fluid over said ice in such a way as to melt a plurality of holes in the ice.

2,380,902
CAR TRUCK
Raymond C. Pierce, Chicago, Ill.
Application May 15, 1943, Serial No. 487,123
20 Claims. (Cl. 105—197)

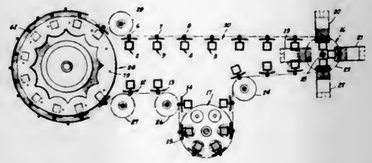
1. In a railway car truck, a truss side frame having a tension member and spaced columns

defining in part a bolster opening, a friction seat on said tension member in said opening, a bolster having an end projecting into said opening, spring means in said bolster, a fulcrum arm on said bolster, and a member pivoted on



said arm and seated at one end against said spring means and having its opposite end in slidable engagement with said seat, said seat having an arcuate configuration in complementary engagement with the adjacent end of said pivoted member.

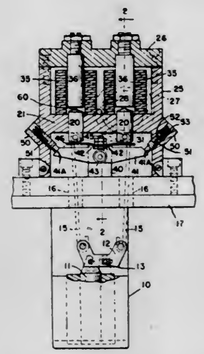
2,380,903
METHOD OF COMPACTING MATERIAL
Don Ray, Beverly Hills, Calif.
Application July 14, 1941, Serial No. 402,392
2 Claims. (Cl. 226—56)



2. In a method of packaging and simultaneously compacting mobile materials, the steps of: placing an open, pliant bag having a thermoplastic lip portion in a movable folding and sealing chamber, said bag being filled with a mobile material maintaining the bag in a virtually unrestrained position while progressively reducing the pressure of the atmosphere ambient and within said bag for a controlled period of time to a predetermined vacuum; then folding the upper portion of the filled bag to bring the lip portions into contiguous relation while said chamber is moving; then hermetically sealing said lip portions together while said chamber is at a subatmospheric pressure; and then exposing the virtually unrestrained bag to atmospheric pressure to compress the bag and its contents and removing the bag from the moving chamber, the bag being capable of readily conforming to irregularities of the mobile material contained therein.

2,380,904
VALVE OPERATING MEANS
Walter O. Stanton, Detroit, Mich., assignor to Oscar E. Rosen, Detroit, Mich.
Application November 10, 1942, Serial No. 465,107
3 Claims. (Cl. 175—337)

1. In a solenoid actuated valve operating means, in which a pair of solenoids enclosed in a housing are alternately energized to move said valve, and having movable cores coacting with said solenoids and with said valve and a rockable member supporting and initially positioning said cores, means for adjusting said rockable member comprising inclined surfaces at the ends thereof and adjusting screws extending through the end walls of said housing and inclined so as



to be substantially normal to said surfaces, said screws being actuable from the outside of said housing.

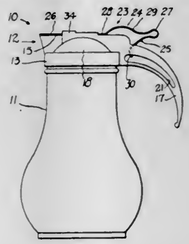
2,380,905
POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 28, 1942, Serial No. 440,852
13 Claims. (Cl. 260—84.5)

1. The method which comprises subjecting a monomeric material comprising butadiene-1,3 hydrocarbon material, as the sole diene material present, to polymerization in aqueous emulsion in the presence of an aliphatic organic compound which contains less than twelve carbon atoms and at least one but not more than two divalent sulfur atoms at least one of which is connected to a carbon atom in an open chain aliphatic radical containing at least one hydrophilic group.

2,380,906
DISPENSER
Harry C. Gessler, Brooklyn, N. Y., assignor to Medco Products Co., New York, N. Y., a copartnership consisting of Harry C. Gessler, Samuel Sizfein, and Daniel Sizfein
Application March 3, 1943, Serial No. 477,892
1 Claim. (Cl. 222—473)

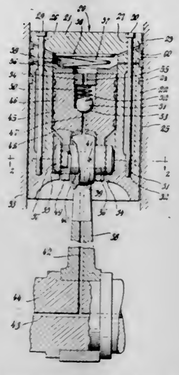
A closure device including a member having an elongated horizontal seat and having an outlet at one end portion of the seat, an approximately horizontal strip means having a generally U-shaped expansion spring element having a long arm and a short arm, tending to move resiliently apart, the element having a resilient bight portion between the arms, the long arm having a valve portion slidable along the seat for controlling the outlet, the member having means adjacent to the outlet for retaining the long arm in sliding engagement with the seat, the short arm and a portion of the long arm lying beyond the member at the opposite end of the seat, the strip means haivng a curved end portion on the short arm remote from the bight of the element, the said end portion and the member having male and female releasably interengaged means comprising a thin, plate-like portion having an upright open ended socket therethrough and a male portion cooperating with the socket for lost mo-

tion pivotal engagement in the socket, the male and female means cooperating with the spring element and the retaining means so that said portions of the male and female means are maintained in operative engagement with each other by the resistance to contraction of the spring element and being releasable for removal of the strip means by pressing the arms toward each other, the bight of said element being adapted to be downwardly pressed to cause swinging movement of the short arm to retract the long arm for moving the valve portion to open position with the pressure on the bight portion causing said por-



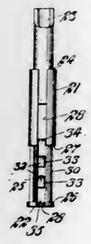
tions of the male and female means to remain engaged with each other, said male portion constituting a hook-like curved part bent downwardly at an angle to the plane of the seat, the socket portion being adapted to slidingly, swingably receive the hook-like part and having a section at the mouth thereof on which the curve is adapted to slide and pivot for said lost motion pivotal engagement, said curved part moving in an outward direction relative to the socket portion upon downward swinging movement of the short arm, said strip means being removable upon upwardly springing the short arm to disengage the hook-like portion from the socket.

2,380,907
PISTON FOR INTERNAL-COMBUSTION ENGINES
Roy M. Hall, Laredo, Tex., assignor of one-half to Stanley Konaszewski, Brooklyn, N. Y.
Application February 15, 1944, Serial No. 522,445
17 Claims. (Cl. 309—6)



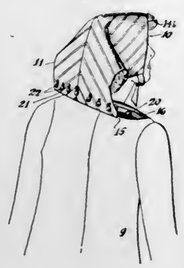
6. A piston construction for an internal combustion engine comprising a main piston having a recess, an hydraulic piston movable within said recess, a connecting rod, opposed locking elements for attaching the hydraulic piston to the connecting rod and spaced cap screws extending through the main piston for assembling the locking elements on the connecting rod.

2,380,908
PIN JACK FOR MULTIPLE PLUG-IN CONNECTORS
Alexander G. Heller, New York, N. Y.; Anne Heller, Irwin N. Blackman, and Leon Cooper, executors of the estate of Alexander G. Heller, deceased, assignors to Insuline Corporation of America, Inc., Long Island City, N. Y.
Application August 4, 1943, Serial No. 497,404
5 Claims. (Cl. 173—363)



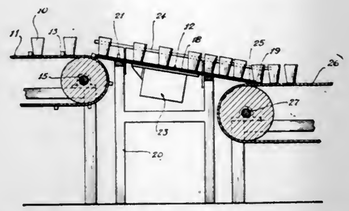
1. A pin jack for a multiple plug-in connector comprising a rigid contact sleeve having a slot in one side extending longitudinally inwardly from the pin receiving end of the same, and a flat spring strip coiled about the slotted end portion of said sleeve and having a permanently indented portion projecting radially inwardly through said slot beyond the inner surface of said sleeve into position to be engaged by a pin contact entered in said sleeve, said slot extending inwardly beyond said spring strip and an insulating holding member engaged over the opposite end of the sleeve and having a key lug entered in the inner end position of said slot.

2,380,909
COMBINATION GARMENT AND CARRYING BAG
Diana Morgan Jackson, New York, N. Y., now by marriage Diana Morgan Laylin
Application January 6, 1942, Serial No. 425,712
4 Claims. (Cl. 2—84)



1. A new article comprising a garment, bag means forming an extension thereof and into which said garment may be folded said bag adapted to lie outside of and adjacent the back of said garment when in worn position and provided with an opening facing said back, and means connected to said bag and extending from the bottom free end thereof and forming a handle portion for said bag and a belt for said garment when said garment is in worn position.

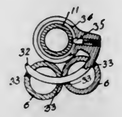
2,380,910
SHAKING AND CONVEYING MACHINE
Lowell R. Newton, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 6, 1942, Serial No. 429,709
5 Claims. (Cl. 198—106)



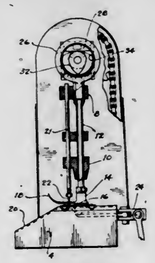
1. A machine for compacting a material in a container and conveying the container along its path comprising a conveyor to feed a predetermined number of filled containers per minute, an inclined chute to receive said filled containers, a canvas surface affixed to said chute, said canvas surface extending beyond the lower end of said chute, said chute having rails provided on each side thereof, means to vibrate said chute at a speed to cause the containers to move over its surface, said chute being inclined at an angle whereby more than said predetermined number of containers will pass down its surface per minute, a conveyor means to receive the containers passing from said chute, said extending canvas surface overlaying said conveyor, said conveyor being operated at a speed to continuously remove said predetermined number of containers per minute, said chute and rails functioning to bunch the containers at the lower end of the chute whereby the containers are deposited on said conveyor means and said overlaying canvas end serving to smoothly transfer the bunched containers from the chute to the conveyor.

2,380,911
FOLDING TRIPOD
Thorvald Petersen, Erie, Pa., assignor to Reed Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Original application November 13, 1940, Serial No. 365,475. Divided and this application September 22, 1943, Serial No. 503,313
4 Claims. (Cl. 248—169)

1. In a tripod having a head and legs, an arm swivelled on one of the legs, said arm having a hook-like extension adapted to hook the remaining two legs by a movement of the arm from one direction.



2,380,912
SEWING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 16, 1941, Serial No. 398,224
6 Claims. (Cl. 112—239)

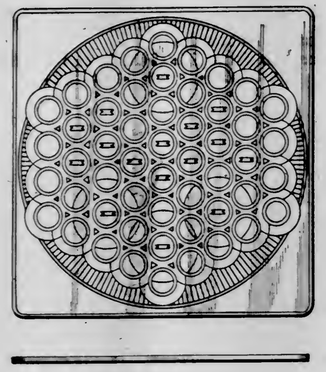


1. In a sewing machine, the combination of a support for material to be sewed, a frame disposed above said support, a source of power, a pressure foot fixed to a carrying bar that is mounted in said frame for reciprocation substantially normal to said support, and means for positively operating said pressure foot, said means comprising a drive shaft disposed substantially normal to said pressure foot carrying bar and mounted in said frame and driven by said source of power, opposed cams mounted on said shaft, means adjacent the end of said pressure foot carrying bar including cam followers cooperating with said cams whereby said pressure foot is reciprocated upon rotation of said shaft, and said carrying bar forming a rigid means interconnecting said pressure foot and said cam followers for positively transmitting the motion derived from the cams to the foot.

DESIGNS

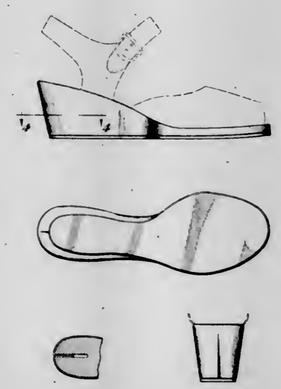
JULY 31, 1945

141,870
DESIGN FOR A GAME BOARD
Alfred L. Barrett, Staten Island, N. Y.
Application April 9, 1945, Serial No. 118,930
Term of patent 14 years
(Cl. D34—5)



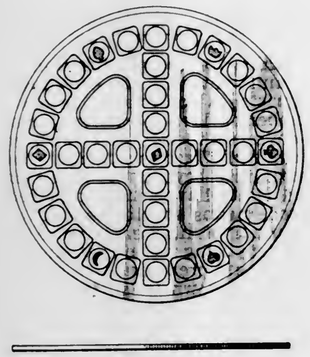
The ornamental design for a game board, as shown.

141,871
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Walter Braun, Los Angeles, Calif.
Application July 25, 1944, Serial No. 114,550
Term of patent 14 years
(Cl. D7—7)



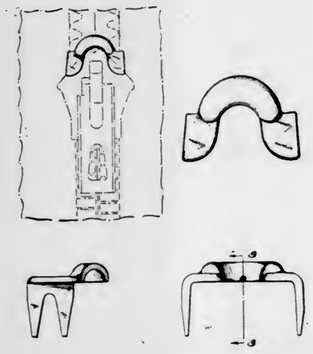
The ornamental design for a shoe or similar article, as shown and described.

141,872
DESIGN FOR A GAME BOARD
Alfred L. Barrett, Staten Island, N. Y.
Application April 3, 1945, Serial No. 118,837
Term of patent 14 years
(Cl. D34—5)



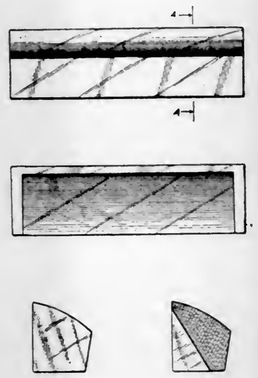
The ornamental design for a game board, as shown.

141,873
DESIGN FOR A SLIDE FASTENER TOP STOP
Joseph Brozek, Jackson Heights, N. Y.
Application March 9, 1945, Serial No. 118,384
Term of patent 14 years
(Cl. D17—8)



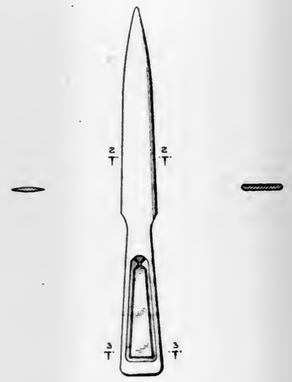
The ornamental design for a slide fastener top stop, as shown and described.

141,874
DESIGN FOR A READING LENS OR THE LIKE
George M. Cressaty, New York, N. Y.
Application November 22, 1944, Serial No. 116,498
Term of patent 14 years
(Cl. D57—1)



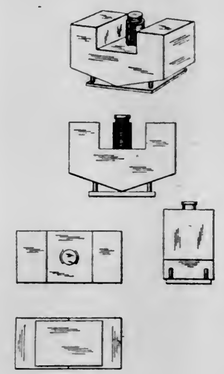
The ornamental design for a reading lens or the like, substantially as shown.

141,875
DESIGN FOR A LETTER OPENER OR SIMILAR ARTICLE
Max L. Goldbert, New York, N. Y.
Application May 2, 1945, Serial No. 119,364
Term of patent 14 years
(Cl. D74—1)



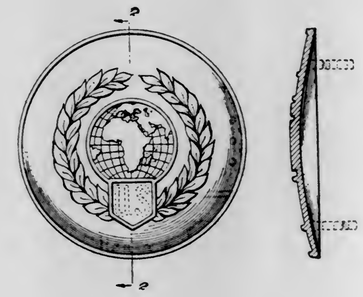
The ornamental design for a letter opener or similar article, as shown and described.

141,876
DESIGN FOR AN INK WELL
Meyer Haberman, New York, N. Y.
Application December 6, 1944, Serial No. 116,748
Term of patent 3½ years
(Cl. D74—8)



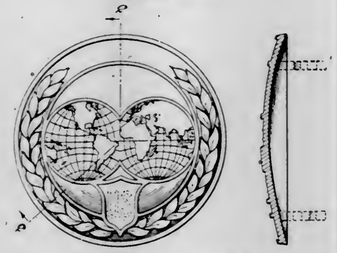
The ornamental design for an ink well. as shown.

141,877
DESIGN FOR A GRAVE MARKER
Willard M. Hammond, Titusville, N. J.
Application January 15, 1945, Serial No. 117,429
Term of patent 14 years
(Cl. D79—2)



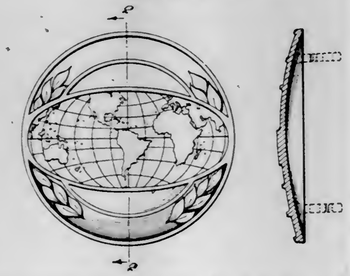
The ornamental design for a grave marker, as shown and described.

141,878
DESIGN FOR A GRAVE MARKER
Robert S. Hammond, Woodbury, N. J.
Application January 15, 1945, Serial No. 117,430
Term of patent 14 years
(Cl. D79—2)



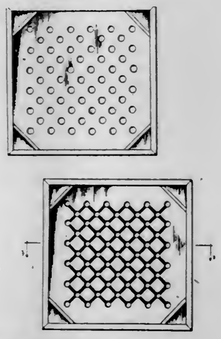
The ornamental design for a grave marker, as shown and described.

141,879
DESIGN FOR A GRAVE MARKER
Robert S. Hammond, Woodbury, N. J.
Application January 15, 1945, Serial No. 117,431
Term of patent 14 years
(Cl. D79—2)



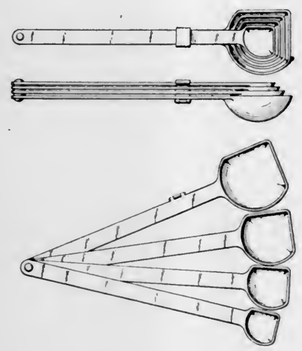
The ornamental design for a grave marker, as shown and described.

141,880
DESIGN FOR A GAME BOARD
William Jamieson, Minneapolis, Minn.
Application February 19, 1945, Serial No. 118,028
Term of patent 14 years
(Cl. D34—5)



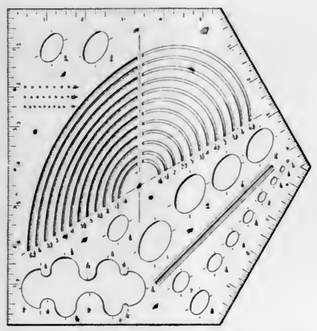
The ornamental design for a game board, substantially as shown.

141,881
DESIGN FOR A MEASURING SPOON UNIT
Kenneth L. Mathewson, Tacoma, Wash.
Application March 27, 1945, Serial No. 118,732
Term of patent 7 years
(Cl. D52—1)



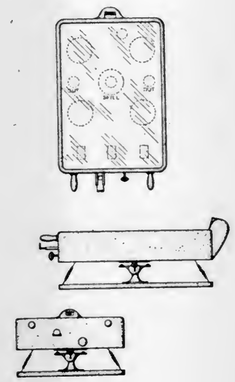
The ornamental design for a measuring spoon unit, as shown.

141,882
DESIGN FOR A DRAWING INSTRUMENT
Lawrence A. Matson, Dayton, Ohio
Application April 13, 1945, Serial No. 118,987
Term of patent 14 years
(Cl. D52—1)



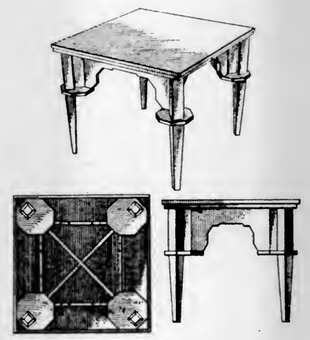
The ornamental design for a drawing instrument, as shown.

141,883
DESIGN FOR A GAME DEVICE
William B. Sewell, Los Angeles, Calif.
Application April 21, 1945, Serial No. 119,129
Term of patent 14 years
(Cl. D34—5)



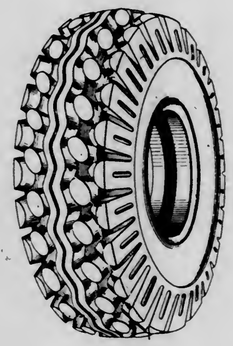
The ornamental design for a game device, as shown.

141,884
DESIGN FOR A GAME TABLE
Edward Friedrich, San Antonio, Tex.
Application February 20, 1945, Serial No. 118,049
Term of patent 7 years
(Cl. D33—14)



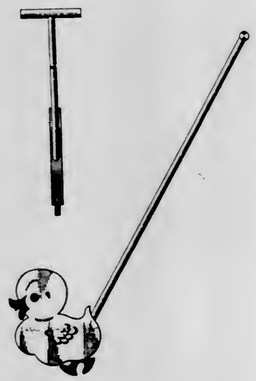
The ornamental design for a game table, substantially as shown.

141,885
DESIGN FOR A TIRE
George W. Walker, Detroit, Mich., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 19, 1945, Serial No. 119,106
Term of patent 14 years
(Cl. D90—20)



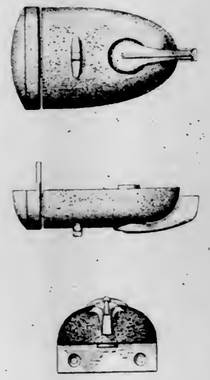
The ornamental design for a tire, as shown.

141,886
DESIGN FOR A TOY
Leslie L. Westcamp, Fair Oaks, Calif.
Application December 27, 1944, Serial No. 117,110
Term of patent 14 years
(Cl. D34—15)



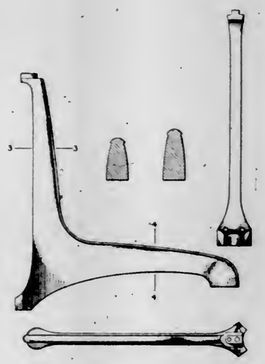
The ornamental design for a toy, as shown and described.

141,887
DESIGN FOR A NIGHT LATCH
George W. Wilder, Brookfield, Conn.
Application February 12, 1945, Serial No. 117,902
Term of patent 14 years
(Cl. D50—5)



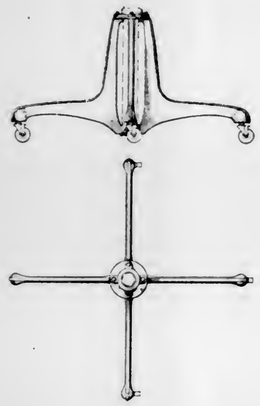
The ornamental design for a night latch, as shown.

141,888
DESIGN FOR A LEG FOR A PEDESTAL BASE
Samuel D. Loman, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 118,822
Term of patent 14 years
(Cl. D15—8)



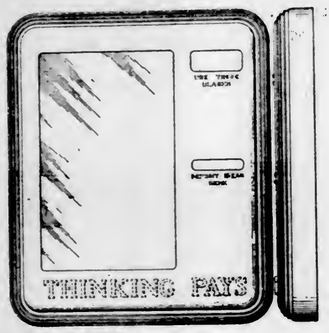
The ornamental design for a leg for a pedestal base, substantially as shown.

141,889
DESIGN FOR A PEDESTAL BASE
Samuel D. Loman, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 118,823
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a pedestal base, substantially as shown and described.

141,890
DESIGN FOR A SUGGESTION CABINET
Le Roy G. Mills, Bronxville, N. Y.
Application December 12, 1944, Serial No. 116,860
Term of patent 7 years
(Cl. D33—18)



The ornamental design of a suggestion cabinet, as shown.

141,891
DESIGN FOR A TABLE LIGHTER
Harold J. Sudbrink, Woodside, N. Y.
Application April 2, 1945, Serial No. 118,815
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a table lighter, as shown and described.

141,892
DESIGN FOR A TABLE LIGHTER
Harold J. Sudbrink, Woodside, N. Y.
Application April 2, 1945, Serial No. 118,816
Term of patent 7 years
(Cl. D48—27)



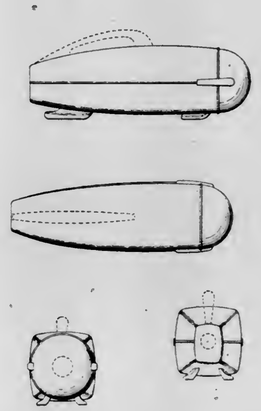
The ornamental design for a table lighter, as shown and described.

141,893
DESIGN FOR A TABLE LIGHTER
Harold J. Sudbrink, Woodside, N. Y.
Application April 2, 1945, Serial No. 118,817
Term of patent 7 years
(Cl. D48—27)



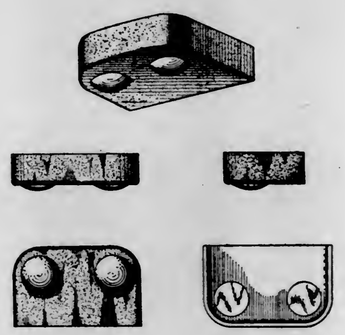
The ornamental design for a table lighter, as shown and described.

141,894
DESIGN FOR A VACUUM CLEANER CASING OR SIMILAR ARTICLE
George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1944, Serial No. 116,736
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a vacuum cleaner casing or similar article, substantially as shown and described.

141,895
DESIGN FOR A LIGHT TRANSMITTING MEMBER FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application September 9, 1944, Serial No. 115,239
Term of patent 14 years
(Cl. D48—16)



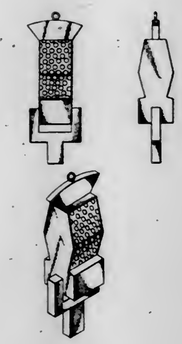
The ornamental design for a light transmitting member for a lighting fixture, substantially as shown and described.

141,896
DESIGN FOR A SHOE
Urleene Chaplain, Los Angeles, Calif.
Application September 18, 1944, Serial No. 115,339
Term of patent 7 years
(Cl. D7—7)



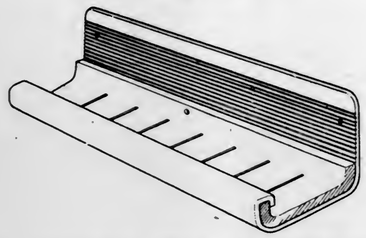
The ornamental design for a shoe, as shown.

141,897
DESIGN FOR A CHARM OR SIMILAR ARTICLE
Harry Davis, Bronx, N. Y.
Application August 2, 1944, Serial No. 114,688
Term of patent 7 years
(Cl. D45—17)



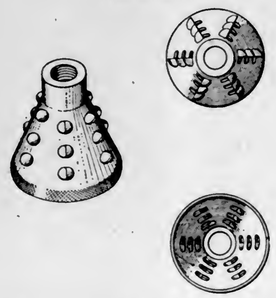
The ornamental design for a charm or similar article, substantially as shown.

141,898
DESIGN FOR A KNIFE RACK
Bernard R. Glukes, Los Angeles, Calif.
Application April 16, 1945, Serial No. 119,035
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a knife rack, as shown.

141,899
DESIGN FOR A FOOD SHREDDER
Fred F. Latshaw, Altadena, Calif.
Application November 6, 1944, Serial No. 116,162
Term of patent 7 years
(Cl. D89—1)



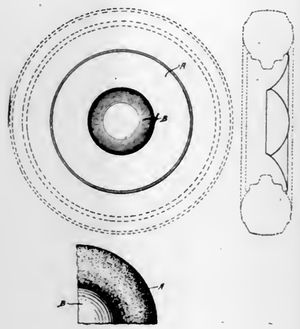
The ornamental design for a food shredder, as shown.

141,900
DESIGN FOR A FOOD BEATER
Fred F. Latshaw, Altadena, Calif.
Application November 6, 1944, Serial No. 116,168
Term of patent 7 years
(Cl. D44—1)



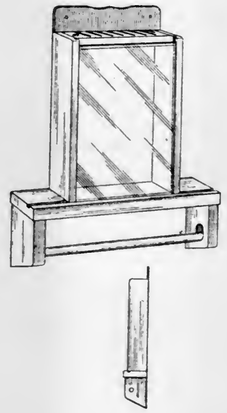
The ornamental design for a food beater, as shown.

141,901
DESIGN FOR A COMBINED WHEEL TRIM RING AND HUB CAP OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application September 25, 1943, Serial No. 111,207
Term of patent 14 years
(Cl. D14—30)



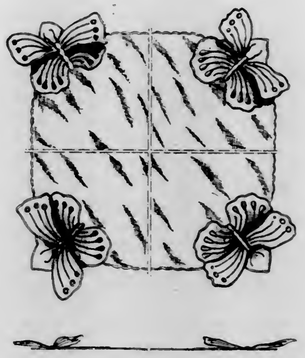
The ornamental design for a combined wheel trim ring and hub cap or similar article, as shown and described.

141,902
DESIGN FOR A COMBINED KNIFE AND TOWEL RACK
Jacob M. Marateck, Bronx, N. Y.
Application November 22, 1944, Serial No. 116,496
Term of patent 7 years
(Cl. D33—16)



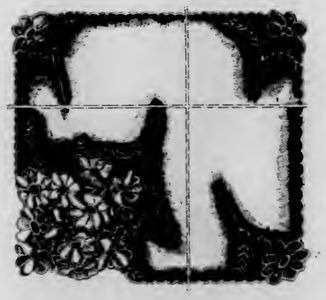
The ornamental design for a combined knife and towel rack, substantially as shown.

141,903
DESIGN FOR A HANDKERCHIEF OR SIMILAR ARTICLE
Anice Mogabgab, New York, N. Y.
Application January 13, 1945, Serial No. 117,406
Term of patent 14 years
(Cl. D3—12)



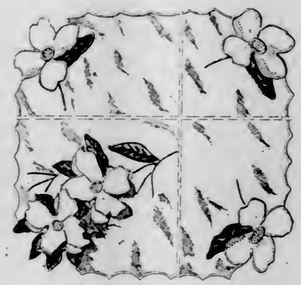
The ornamental design for a handkerchief or similar article, as shown.

141,904
DESIGN FOR A HANDKERCHIEF OR SIMILAR ARTICLE
Anice Mogabgab, New York, N. Y.
Application January 13, 1945, Serial No. 117,407
Term of patent 14 years
(Cl. D3—12)



The ornamental design for a handkerchief or similar article, as shown.

141,905
DESIGN FOR A HANDKERCHIEF OR SIMILAR ARTICLE
Winifred S. Mogabgab, New York, N. Y.
Application January 13, 1945, Serial No. 117,403
Term of patent 14 years
(Cl. D3—12)



The ornamental design for a handkerchief or similar article, as shown.

141,906
DESIGN FOR A HANDLE FOR SAWS OR LIKE ARTICLES
Wilbur P. Peterson, Kansas City, Mo.
Application November 6, 1944, Serial No. 116,189
Term of patent 14 years
(Cl. D93—4)



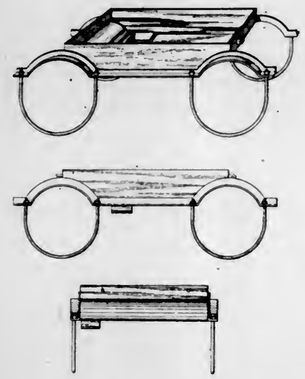
The ornamental design for a handle for saws or like articles, substantially as shown.

141,907
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y.
Application April 10, 1945, Serial No. 118,938
Term of patent 7 years
(Cl. D45—19)



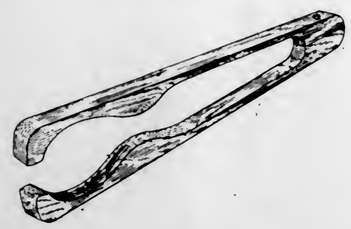
The ornamental design for a clip or similar article, substantially as shown.

141,908
DESIGN FOR A FUEL TANK MOUNTED TOOL-BOX FOR A TRUCK OR SIMILAR ARTICLE
Fred Prior, Dallas, Tex.
Application October 20, 1944, Serial No. 115,893
Term of patent 14 years
(Cl. D14—6)



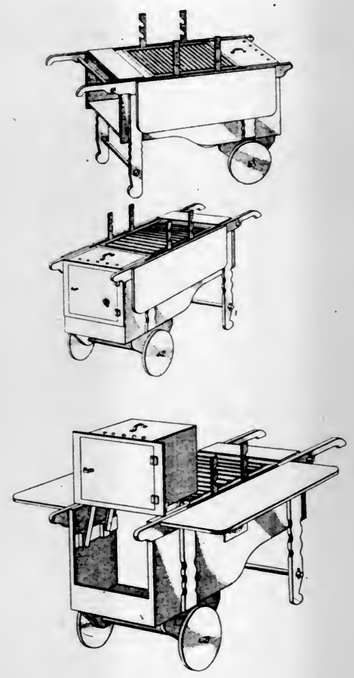
The ornamental design for a fuel tank mounted toolbox for a truck or similar article, as shown.

141,909
DESIGN FOR LAUNDRY TONGS OR THE LIKE
Gordon M. Tamblyn, Denver, Colo.
Application April 24, 1945, Serial No. 119,165
Term of patent 7 years
(Cl. D49—1)



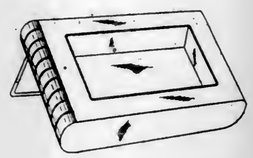
The ornamental design for laundry tongs or the like, as shown.

141,910
DESIGN FOR A PORTABLE BARBECUE OR SIMILAR ARTICLE
John Shirley Ward, Pasadena, Calif., assignor to A. C. Mfg. Co., Van Nuys, Calif., a corporation of California
Application March 5, 1945, Serial No. 118,276
Term of patent 14 years
(Cl. D81—10)



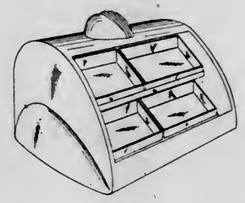
The ornamental design for a portable barbecue or similar article, substantially as shown.

141,911
DESIGN FOR A CIGAR COUNTER DISPLAY CASE
Robert B. Wemyss, Louisville, Ky.
Application October 14, 1944, Serial No. 115,768
Term of patent 7 years
(Cl. D80—5)



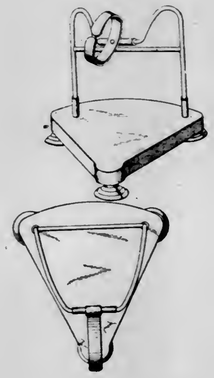
The ornamental design for a cigar counter display case, substantially as shown and described.

141,912
DESIGN FOR A CIGAR HUMIDOR DISPLAY CASE
Robert B. Wemyss, Louisville, Ky.
Application October 14, 1944, Serial No. 115,773
Term of patent 7 years
(Cl. D80—11)



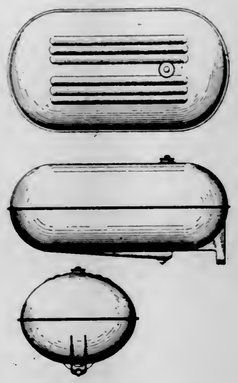
The ornamental design for a cigar humidor display case, substantially as shown and described.

141,913
DESIGN FOR A NURSING BOTTLE HOLDER
Edgar G. Beckemeyer, Columbus, Ohio
Application January 22, 1945, Serial No. 117,550
Term of patent 14 years
(Cl. D83—8)



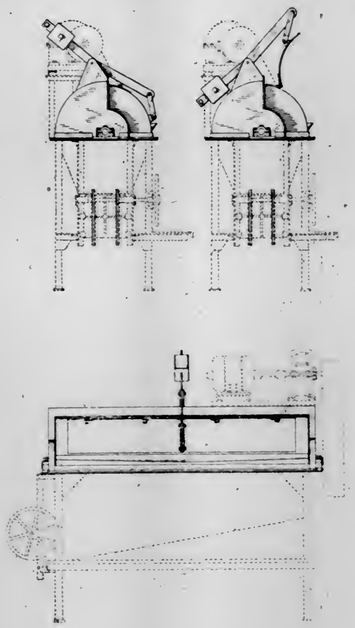
The ornamental design for a nursing bottle holder, substantially as shown.

141,914
DESIGN FOR A FLUID STORAGE TANK
Ernest H. Benson, Kansas City, Mo.
Application February 23, 1945, Serial No. 118,095
Term of patent 14 years
(Cl. D91—1).

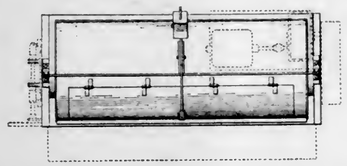


The ornamental design for a fluid storage tank, as shown.

141,915
DESIGN FOR A WASHER FOR MEAT PRODUCTS OR THE LIKE
Frank J. Bilek, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1944, Serial No. 115,452
Term of patent 14 years
(Cl. D49—1)

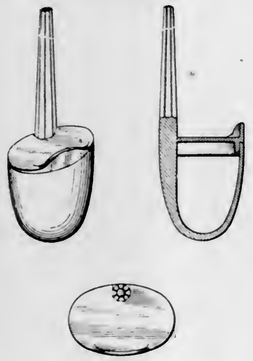


141,915—Continued



The ornamental design for a washer for meat products or the like, substantially as shown and described.

141,916
DESIGN FOR A STOCKING DARNING LAST
Martin Bowerman, Glendale, Calif.
Application May 15, 1945, Serial No. 119,550
Term of patent 14 years
(Cl. D3—19)



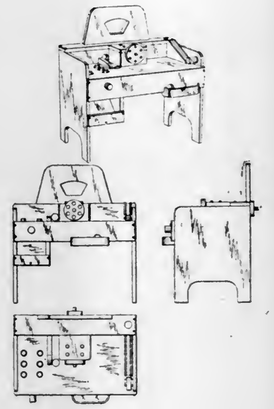
The ornamental design for a stocking darning last, as shown.

141,917
DESIGN FOR PAPER OR THE LIKE
Thelma Mendsen, New York, N. Y., assignor to Fravessi-Lamont, Inc., New York, N. Y., a corporation of New York
Application February 15, 1945, Serial No. 117,985
Term of patent 7 years
(Cl. D59—2)



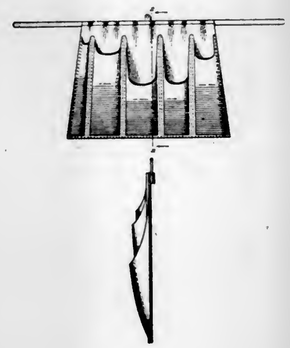
The ornamental design for paper or the like, as shown and described.

141,918
DESIGN FOR A CHILD'S GAME TABLE
Albert Olkon, St. Paul, Minn., assignor to Fibro Container Corporation, Minneapolis, Minn., a corporation of Minnesota
Application December 18, 1944, Serial No. 116,991
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a child's game table, as shown.

141,919
DESIGN FOR A TOOL BAG APRON
Florabelle R. Stewart, Portland, Oreg.
Application March 7, 1945, Serial No. 118,314
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a tool bag apron, as shown.

141,920
DESIGN FOR A COMBINED POCKET COMB AND HOLDER
Carl E. Ulrich, Chicago, Ill.
Application November 30, 1944, Serial No. 116,630
Term of patent 14 years
(Cl. D86—8)



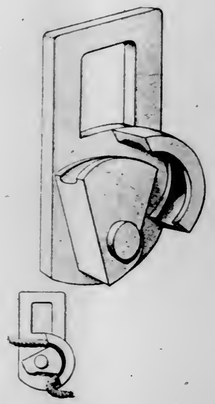
The ornamental design for a combined pocket comb and holder, substantially as shown.

141,921
DESIGN FOR A COAT
Sidney Dumler, New York, N. Y.
Application June 6, 1945, Serial No. 119,934
Term of patent 3½ years
(Cl. D3—4)



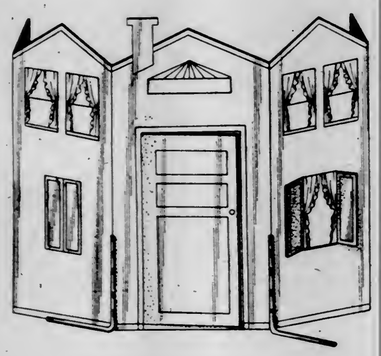
The ornamental design for a coat, substantially as shown.

141,922
DESIGN FOR A QUICK-WAY CABLE TAKE-UP
John C. Jaques, Denison, Tex.
Application April 9, 1945, Serial No. 118,919
Term of patent 14 years
(Cl. D17—5)



The ornamental design for a quick-way cable take-up, as shown and described.

141,923
DESIGN FOR A SCREEN FOR A DOLL'S HOUSE
Natalie Kropatkin, Bronx, N. Y.
Application April 10, 1945, Serial No. 118,937
Term of patent 7 years
(Cl. D34—15)



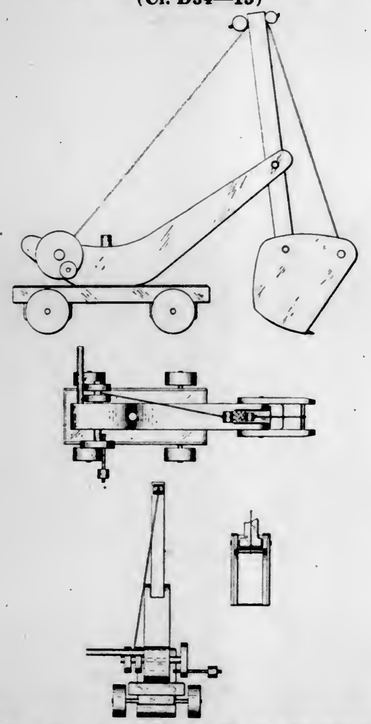
The ornamental design for a screen for a doll's house, substantially as shown.

141,924
DESIGN FOR A PERPETUAL CALENDAR
Albert George McNeill and Lawrence Niles Olsen, Philadelphia, Pa., assignors to Bachmann Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 118,649
Term of patent 14 years
(Cl. D74—5)



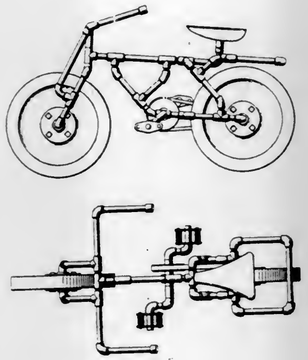
The ornamental design for a perpetual calendar, as shown and described.

141,925
DESIGN FOR A TOY DREDGE
Eoina Nudelman, Chicago, Ill.
Application March 10, 1945, Serial No. 118,386
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy dredge, as shown.

141,926
DESIGN FOR A BICYCLE
Le Roy W. Sly, Kyburz, Calif.
Application March 12, 1945, Serial No. 118,409
Term of patent 3½ years
(Cl. D90—8)



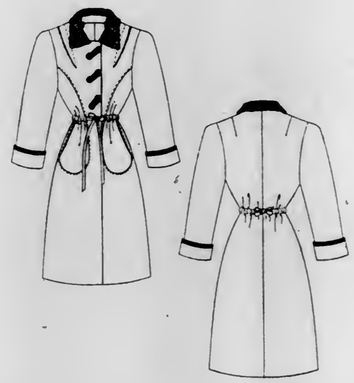
The ornamental design for a bicycle, as shown.

141,927
DESIGN FOR A TRICYCLE
Le Roy W. Sly, Kyburz, Calif.
Application March 12, 1945, Serial No. 118,410
Term of patent 3½ years
(Cl. D90—8)



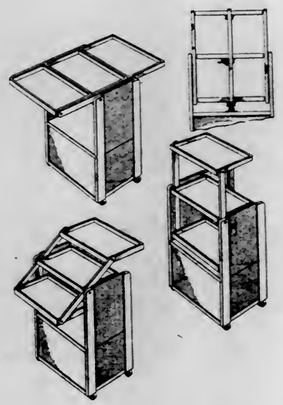
The ornamental design for a tricycle, as shown

141,928
DESIGN FOR A COAT
Sidney Dumler, New York, N. Y.
Application June 6, 1945, Serial No. 119,933
Term of patent 3½ years
(Cl. D3—4)



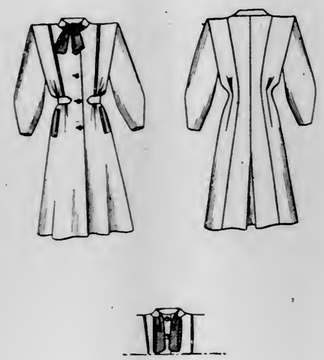
The ornamental design for a coat, substantially as shown.

141,929
DESIGN FOR A COMBINATION STAND AND SERVICE TABLE
William I. Evans, Los Angeles, Calif.
Application February 5, 1945, Serial No. 117,778
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a combination stand and service table, as shown.

141,930
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application June 5, 1945, Serial No. 119,918
Term of patent 3½ years
(Cl. D3—4)



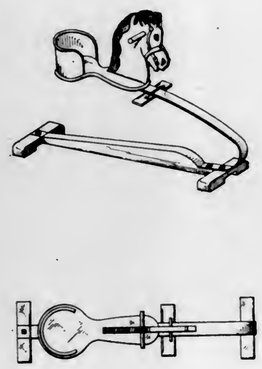
The ornamental design for a coat, substantially as shown.

141,931
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application June 18, 1945, Serial No. 120,172
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,932
DESIGN FOR A HOBBY HORSE
Morris Lecomowitz, Philadelphia, Pa.
Application January 12, 1945, Serial No. 117,388
Term of patent 14 years
(Cl. D34—15)



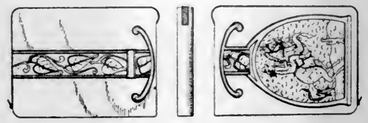
The ornamental design for a hobby horse, as shown.

141,933
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Victor Mattessich, Newark, N. J.
Application October 24, 1944, Serial No. 115,950
Term of patent 3½ years
(Cl. D29—2)



The ornamental design for a badge or similar article, as shown.

141,934
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Daniel J. Nash, New York, N. Y.
Application April 27, 1945, Serial No. 119,252
Term of patent 7 years
(Cl. D87—3)



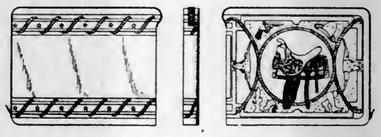
The ornamental design for a billfold or similar article, as shown.

141,935
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Daniel J. Nash, New York, N. Y.
Application April 27, 1945, Serial No. 119,253
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a billfold or similar article, as shown.

141,936
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Daniel J. Nash, New York, N. Y.
Application April 27, 1945, Serial No. 119,254
Term of patent 7 years
(Cl. D87—3)



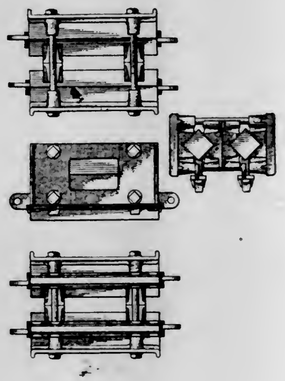
The ornamental design for a billfold or similar article, as shown.

141,937
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application June 4, 1945, Serial No. 119,901
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,938
DESIGN FOR AN ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application April 19, 1945, Serial No. 119,084
Term of patent 14 years
(Cl. D26—1)



The ornamental design for an electrolytic water correction device, substantially as shown.

141,939
DESIGN FOR A TEXTILE FABRIC
Jean Frank Hoffmann, Los Angeles, Calif.
Application January 22, 1945, Serial No. 117,528
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

141,940
DESIGN FOR A CORNER PIECE FOR CONTAINERS
Irwin M. Ikelheimer, New York, N. Y.
Application January 5, 1945, Serial No. 117,289
Term of patent 14 years
(Cl. D58—2)



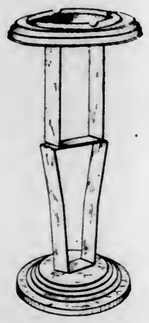
The ornamental design for a corner piece for containers, as shown.

141,941
DESIGN FOR A NEGLIGEE OR SIMILAR ARTICLE
Alice Macksoud, New York, N. Y.
Application May 3, 1945, Serial No. 119,370
Term of patent 7 years
(Cl. D3—26)



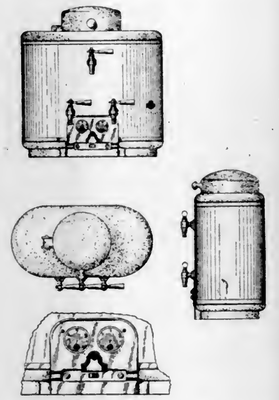
The ornamental design for a negligee or similar article, substantially as shown.

141,942
DESIGN FOR A COMBINED BOOK, MAGAZINE, NEWSPAPER RACK, AND SMOKING STAND
Louis Reis, New York, N. Y.
Application April 26, 1945, Serial No. 119,221
Term of patent 7 years
(Cl. D85—2)



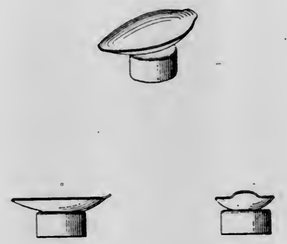
The ornamental design for a combined book, magazine, newspaper rack, and smoking stand, substantially as shown.

141,943
DESIGN FOR AN AUTOMATIC COFFEE URN OR SIMILAR ARTICLE
Donald F. Swanson, Chicago, Ill.
Application February 2, 1945, Serial No. 117,729
Term of patent 14 years
(Cl. D44—26)



The ornamental design for an automatic coffee urn or similar article, substantially as shown.

141,944
DESIGN FOR A COMBINED BOTTLE CAP AND MEASURING CUP
Asher Wolff, Brooklyn, N. Y.
Application March 8, 1945, Serial No. 118,324
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a combined bottle cap and measuring cup, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abshire, Harold W., St. Louis, Mo. Electric lamps and unitary combination sterilizing and advertising equipment. Serial No. 482,913; July 31. Class 21.

Aktiebolaget Dentatus, Stockholm, Sweden. Dental articulators. Serial No. 476,490; July 31. Class 44.

Albany Frosted Foods, Inc., The, Albany, N. Y. Frozen blueberries. Serial No. 474,844; July 31. Class 46.

American Aniline Products, Inc., New York, N. Y. Developers and textile dyeing assistants. Serial No. 482,723; July 31. Class 6.

American Crayon Company, The, Sandusky, Ohio. Art products. Serial No. 481,598; July 31. Class 16.

American Varnish Company, The, Chicago, Ill. Colorless linoleum finish and preservatives in liquid form. Serial No. 481,511; July 31. Class 16.

Ampco Metal, Inc., Milwaukee, Wis. Wear resistant and corrosion resistant machine parts and generally manually operated non-sparking tools. Serial No. 467,178; July 31. Class 23.

Anglo-American Publishing Company Limited, Toronto, Ontario, Canada. Comic strip. Serial No. 473,174; July 31. Class 38.

Artfield Creations: *See*—
Blake, Irene, Cosmetics, Inc.

Associated Seed Growers, Inc., New Haven, Conn. Garden and field seeds, bulbs, and plants. Serial No. 482,309; July 31. Class 1.

Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax composition. Serial No. 483,754; July 31. Class 12.

Batanilax Corporation: *See*—
Wrampelmeier, Ernest C., assignor.

Belli, D. B., Inc., San Francisco, Calif. Pharmaceutical preparations. Serial No. 479,413; July 31. Class 6.

Belli, D. B., Inc., San Francisco, Calif. Ointment preparation. Serial Nos. 479,416–17; July 31. Class 6.

Blake, Irene, Cosmestics, Inc., doing business as Artfield Creations, New York, N. Y. Hair dressing, after shave lotion and after shave talc. Serial No. 480,558; July 31. Class 6.

Blue Bell, Inc., Greensboro, N. C. Men's, Women's, Boys' and girls' overalls, jumpers, work jackets, etc. Serial No. 480,646; July 31. Class 39.

Brethren in Christ Publication Board, Inc., doing business as The Christian Light Press, Elizabethtown, Pa. Bookmarks, stationery, and calendars. Serial No. 473,636; July 31. Class 37.

Briddel, Chas. D., Inc., Crisfield, Md. Machetes. Serial No. 481,662; July 31. Class 23.

Burton & Dreyer, Waukegan, Ill. General line of candies. Serial No. 481,611; July 31. Class 46.

Carnegie, Hattie, Inc., New York, N. Y. Face powder. Serial No. 473,409; July 31. Class 6.

Carsello Chemical Products, Chicago, Ill. Washing and cleaning compound. Serial No. 481,572; July 31. Class 4.

Ceda Distributing Co., New York, N. Y. Perfume and cologne. Serial No. 481,776; July 31. Class 6.

Central States Laboratories, Columbus, Ohio. Water soluble powder. Serial No. 481,777; July 31. Class 4.

Chemical preparation having fire-proofing and fire-retarding properties. J. W. Stuart. Serial No. 479,054; July 31. Class 6.

Christian Light Press: *See*—
Brethren in Christ Publication Board, Inc.

Cleveland Co-Operative Stove Company, The, Cleveland, Ohio. Ferrous metal castings. Serial No. 481,573; July 31. Class 14.

Cole, Rex, Inc., Long Island City, N. Y. Electrical amplifiers. Serial No. 480,562; July 31. Class 21.

Columbia Mills, Inc., The, New York, N. Y. Shade roller pin setters and shade cloth pin pullers. Serial No. 482,734; July 31. Class 25.

Cookware Associates, Bucyrus, Ohio. Ceramic cooking ware. Serial No. 466,607; July 31. Class 30.

Crossen, Ken, doing business as Spark Publications, New York, N. Y. Periodicals and periodical magazines. Serial No. 431,664; July 31. Class 38.

Darli Industrial Management, Inc., Stamford, Conn. Smoking pipes. Serial No. 482,871; July 31. Class 8.

Dawnwood Farms: *See*—
Long, Dorothy A.

De-Oxo-Lin Chemical Products: *See*—
Stuart, Jay W.

Destin, Farel, Inc., New York, N. Y. Face powder, rouge, lipstick and cologne. Serial No. 479,470; July 31. Class 6.

Donnkenny Sportswear Company, New York, N. Y. Outer sport shirts, slacks and windbreakers. Serial No. 481,889; July 31. Class 39.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. Serial No. 482,365; July 31. Class 6.

Eaton Manufacturing Company, Cleveland, Ohio. Thread inserts, nuts, screws, and bolts. Serial No. 481,837; July 31. Class 13.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils, colored pencils, fountain pens, etc. Serial No. 468,340; July 31. Class 37.

Elroy Naval Stores Co.: *See*—
Meadows, Pearce L.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits and overcoats. Serial No. 482,483; July 31. Class 39.

Federal Machine and Welder Company, The, Warren, Ohio. Clamp-type couplings. Serial No. 477,601; July 31. Class 13.

Felins Tying Machine Company, Milwaukee, Wis. Vegetable bunch and package tying machine. Serial No. 478,271; July 31. Class 23.

Ferguson, R. S., doing business as Liledoun Mills, Taylorsville, N. C. Thread and yarn. Serial No. 481,576; July 31. Class 43.

Fluckiger & Cie, St. Imier, Canton of Berne, Switzerland. Dials of enamel, metal and silver for watches and standing pendulum clocks. Serial No. 477,295; July 31. Class 27.

42 Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Hair dressing preparation and after shave dressing preparation. Serial No. 477,691; July 31. Class 6.

Gallone, Stanley, Leonia, N. J. Horse racing game. Serial No. 480,132; July 31. Class 22.

Gilcrest Pharmacal Co.: *See*—
Miller, George J.

Gosling Yarn Co.: *See*—
Smith, Ida C.

Graham Manufacturing Company: *See*—
Graham, Ralph A.

Graham, Ralph A., doing business as Graham Manufacturing Company, Kansas City, Mo. Toy educational construction sets. Serial No. 477,269; July 31. Class 22.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio. Wooden drums. Serial No. 483,019; July 31. Class 2.

Haas Brothers, San Francisco, Calif. Kraft tray paper. Serial No. 479,230; July 31. Class 37.

Hafner Associates, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 480,573; July 31. Class 42.

Heller Brothers Company, Newark, N. J. Files and rasps. Serial No. 483,110; July 31. Class 23.

Hershman, Stanley R., doing business as Hollywood Bugle, Hollywood, Calif. Rubber stamps and holders and pads therefor. Serial No. 476,057; July 31. Class 37.

Hoffman, C. E., Co., Dallas, Tex. Dressings and lotions. Serial No. 482,679; July 31. Class 6.

Hollywood Bugle: *See*—
Hershman, Stanley R.

Home Decorators, Inc., Newark, N. Y. Silver plated flatware. Serial No. 472,698; July 31. Class 28.

Hydraulic Engineering Co. Inc., Holyoke, Mass. Fluid pressure cylinders, hydraulic operational control valves, fluid pressure rams, etc. Serial No. 479,235; July 31. Class 23.

Hy-Je-No Company, Charlotte, N. C. Medicinal preparation. Serial No. 482,057; July 31. Class 6.

Hyster Company, Portland, Oreg. Mobile cranes. Serial No. 474,078; July 31. Class 23.

Hytron Corporation, Salem, Mass. Radio receivers, radio tubes, radio amplifiers, etc. Serial No. 471,902; July 31. Class 21.

Imperial Knife Company, Inc., Providence, R. I. Pocket knives. Serial No. 480,291; July 31. Class 23.

Industrial Raw Materials Company: *See*—
Aufhauser, Alfred.

International Footwear Co., Inc., Brooklyn, N. Y. Footwear. Serial No. 481,477; July 31. Class 39.

International Shoe Company, St. Louis, Mo. Boots and shoes. Serial No. 481,145; July 31. Class 39.

Kaplan, Rica E., Chicago, Ill. Bracelets, pendants and bar pins. Serial No. 471,311; July 31. Class 28.

Katz, Joseph M., Pittsburgh, Pa. Stationery. Serial Nos. 482,427–8; July 31. Class 37.

Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. Serial No. 480,917; July 31. Class 8.

Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. Serial No. 474,806; July 31. Class 39.

Koehler, Alvin, doing business as The Koehler Co., Chicago, Ill. Furniture polish. Serial No. 481,742; July 31. Class 16.

Koehler Co., The: *See*—
Koehler, Alvin.

Kugelman, C. D., & Co., Philadelphia, Pa. Women's hosiery. Serial No. 482,632; July 31. Class 39.

Laveson, Nathan A., doing business as United Shoe Company, Philadelphia, Pa. Shoes. Serial No. 480,023; July 31. Class 39.

Laveson, Nathan A., doing business as United Shoe Company, Philadelphia, Pa. Shoes. Serial Nos. 480,025–6; July 31. Class 39.

Lederer Industries, Inc., The, New York, N. Y. Game. Serial No. 482,680; July 31. Class 22.
Legion Utensils Corporation, Long Island City, N. Y. Kitchen utensils. Serial No. 476,439; July 31. Class 13.
Liberty Hosiery Mills, Liberty, N. C. Hosiery. Serial No. 481,634; July 31. Class 39.
Liberty Hosiery Mills, Liberty, N. C. Hosiery. Serial No. 481,637; July 31. Class 39.
Lileboun Mills: *See*—
Ferguson, R. S.
Linn Manufacturing Corporation, Morris, N. Y. Motor driven trucks. Serial No. 480,776; July 31. Class 19.
Long, Dorothy A., doing business as Dawnwood Farms, Amenia, N. Y. Veterinary preparations. Serial No. 482,251; July 31. Class 6.
Ludeman, Margaret M., Centerport, N. Y. Dolls. Serial No. 482,752; July 31. Class 22.
Mackay Radio and Telegraph Company Inc., New York, N. Y. Motor-generator apparatus and radio apparatus. Serial No. 474,614; July 31. Class 21.
Marté, Arnold, New York, N. Y. Toilet water and perfume. Serial No. 482,335; July 31. Class 6.
Marxman Pipes, New York, N. Y. Smoker's pipes. Serial No. 478,401; July 31. Class 8.
Maurer, Gustave, New York, N. Y. Preparation for slenderization. Serial No. 482,684; July 31. Class 6.
Meadows, Pearce L., doing business as Elroy Naval Stores Co., Vidalia, Ga. Paint thinner. Serial No. 469,472; July 31. Class 16.
Merck & Co. Inc., Rahway, N. J. Medicinal preparation. Serial No. 482,885; July 31. Class 6.
Meta Cine Company, Chattanooga, Tenn. Vitamin-mineral-iron compound. Serial No. 482,809; July 31. Class 6.
Michaels, Stern & Company, Inc., Rochester, N. Y. Men's suits, vests, trousers, topcoats, and overcoats. Serial No. 472,075; July 31. Class 39.
Miller, George J., doing business as Gilcrest Pharmacal Co., Toledo, Ohio. Mouth wash. Serial No. 478,235; July 31. Class 6.
Mira Products, Inc., New York, N. Y. Hair waving solutions. Serial No. 482,254; July 31. Class 6.
Moore, Hilda M., Asheville, N. C. Puppet dolls. Serial No. 473,190; July 31. Class 22.
Myers, P. R., & Co., New York, N. Y. Coffee and tea. Serial No. 471,484; July 31. Class 46.
Nardau, Ltd., New York, N. Y. Perfumes, sachets, toilet water, etc. Serial No. 477,789; July 31. Class 6.
National Agrol Company, Washington, D. C. Medicinal chewing gum. Serial No. 482,213; July 31. Class 6.
Osborn Manufacturing Company, Cleveland, Ohio. Rotary brushes, end brushes, and twisted stem brushes, etc. Serial No. 479,442; July 31. Class 23.
Pan American Airways, Inc., New York, N. Y. Magazines, handbooks and the like. Serial No. 483,549; July 31. Class 38.
Parke, Davis & Company, Detroit, Mich. Adhesive skin testing material. Serial No. 482,218; July 31. Class 6.
Patch, Albert C., Topeka, Kans. Elastic collar clasps or holders. Serial No. 478,688; July 31. Class 40.
Pennex Products Company, Pittsburgh, Pa. Wave set, brilliantine, rose hair oil and hair pomade. Serial No. 466,120; July 31. Class 6.
Penthouse Foods Co.: *See*—
Penthouse Food Sales Co.
Penthouse Food Sales Co., also trading under the name Penthouse Foods Co., San Francisco, Calif. Food products. Serial No. 483,080; July 31. Class 46.
Permanente Cement Company, Oakland, Calif. Building cement. Serial No. 482,721; July 31. Class 12.
Peschel Laboratory Products: *See*—
Peschel, Peter L.
Peschel, Peter L., doing business as Peschel Laboratory Products, Chicago, Ill. Laxative consisting of castor oil with milk of magnesia. Serial No. 482,504; July 31. Class 6.
Piedra, Sucesion de Jose L., Habana, Cuba. Cigars. Serial No. 481,681; July 31. Class 17.
Pindyck, Charles, Inc., New York, N. Y. Infants' sweaters, sunsuits, toddlers suits, etc. Serial No. 479,253; July 31. Class 39.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Boys' girls' and infants' wear. Serial No. 469,912; July 31. Class 39.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Boys', girls' and infants' wear. Serial No. 471,234; July 31. Class 39.
Poly-Clene Company, The, Elizabeth, N. J. Cleaning and polishing composition. Serial No. 480,924; July 31. Class 4.
Porter & Wentz, Inc., Brownsville, Tex. Potatoes. Serial No. 483,280; July 31. Class 46.
Porter & Wentz, Inc., Brownsville, Tex. Potatoes. Serial No. 483,283; July 31. Class 46.
Procter & Gamble Company, The, Cincinnati, Ohio. Toilet powder. Serial No. 482,506; July 31. Class 6.
Puritan Compressed Gas Corporation, Kansas City, Mo. Industrial gases. Serial No. 479,645; July 31. Class 6.
Rambusch Decorating Company, New York, N. Y. Light intercepting ventilators. Serial No. 472,301; July 31. Class 19.
Raylaine Worsteds, Inc., Manchester, N. H. Piece goods fabrics. Serial Nos. 468,474–5; July 31. Class 42.
Renwal Manufacturing Co., Inc., New York, N. Y. Plastic or metal corn holders, knives, grapefruit corers, etc. Serial No. 479,648; July 31. Class 23.
Reynolds Wire Co., Dixon, Ill. Wire screen-cloth. Serial Nos. 480,927–8; July 31. Class 13.
Richman, J., & Company, New York, N. Y. Cotton and rayon textile goods in the piece and in cut lengths. Serial No. 477,529; July 31. Class 42.
Richmont, Inc., Los Angeles, Calif. Torque wrenches. Serial No. 480,425; July 31. Class 23.
Royal Hair Pin Corporation, New York, N. Y. Bob pins. Serial No. 471,490; July 31. Class 40.
Seaman Paper Company, Chicago, Ill. Woven cotton fabric material. Serial No. 453,253; July 31. Class 42.
Sewall Paint & Varnish Company, Kansas City, Mo. Paints. Serial No. 481,652; July 31. Class 16.
Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. Serial No. 481,436; July 31. Class 48.
Scheidt, Adam, Brewing Company, Norristown, Pa. Ale. Serial No. 482,550; July 31. Class 48.
Schleicher, Carl, & Schuell Company, Inc., New York, N. Y. Filter paper. Serial No. 484,464; July 31. Class 31.
Shellmar Products Company, Mount Vernon, Ohio. Laminated wrapping material. Serial No. 466,591; July 31. Class 37.
Shellmar Products Company, Mount Vernon, Ohio. Color printed transparent cellulose sheeting and wrappers. Serial No. 466,593; July 31. Class 37.
Smith, Benjamin D., doing business as Smith Manufacturing Company, Utica, N. Y. Insecticides. Serial No. 475,999; July 31. Class 6.
Smith, Ida C., doing business as Gosling Yarn Co., New York, N. Y. Yarns. Serial No. 481,762; July 31. Class 43.
Smith Manufacturing Company: *See*—
Smith, Benjamin D.
Snl-Dor Radioelectric Limited, Montreal, Quebec, Canada. Extension speakers. Serial No. 480,529; July 31. Class 21.
Sonoco Products Company, Hartsville, S. C. Paper cones. Serial No. 481,297; July 31. Class 2.
Spark Publications: *See*—
Crossen, Ken.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 482,077; July 31. Class 43.
Standard Brands Incorporated, New York, N. Y. Irradiated dry yeast. Serial No. 481,922; July 31. Class 6.
Stenor Incorporated, Stamford, Conn. Vulcanizing machine. Serial No. 481,087; July 31. Class 23.
Strombeck Press Inc., Moline, Ill. Writing paper and envelopes. Serial No. 469,314; July 31. Class 37.
Stuart, Jay W., doing business as De-Oxo-Lin Chemical Products, Los Angeles, Calif. Chemical preparation having fireproofing and fireretarding properties. Serial No. 479,054; July 31. Class 6.
Superb Glove Company, The, Johnstown, N. Y. Leathers. Serial No. 482,661; July 31. Class 1.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Aqueous liquids containing glycerine. Serial No. 463,589; July 31. Class 6.
Synvar Corporation, Wilmington, Del. Liquid phenol-formaldehyde resins. Serial No. 482,856; July 31. Class 1.
Synvar Corporation, Wilmington, Del. Liquid urea-formaldehyde resins. Serial No. 482,858; July 31. Class 1.
Tayton Company, The, Chicago, Ill. Lipsticks. Serial No. 482,263; July 31. Class 6.
Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 481,964; July 31. Class 42.
Titanine, Inc., Union, N. J. So-called dope material for hot application to aircraft surfaces and other surfaces. Serial No. 480,934; July 31. Class 16.
Toyad Corporation, Pittsburgh, Pa. Dart game. Serial No. 476,230; July 31. Class 22.
Tremco Manufacturing Company, The, Cleveland, Ohio. Enamel paint. Serial No. 481,592; July 31. Class 16.
Unique Fibers, Inc., New York, N. Y. Fur fibers treated for spinning purposes. Serial No. 480,482; July 31. Class 1.
United Shoe Company: *See*—
Laveson, Nathan A.
Val-Lo-Will Farms, Inc., Evanston, Ill. Alive and dressed poultry and eggs. Serial No. 468,482; July 31. Class 46.
Vanderwall Dried Foods Company: *See*—
Vanderwall, M. A.
Vanderwall, M. A., doing business as Vanderwall Dried Foods Company, Firth, Ohio. Potato pancake mix. Serial No. 483,880; July 31. Class 46.
Vola-Vin Medicine Co.: *See*—
Wrampelmeier, Ernest C.
Wadsworth Watch Case Company, The, Dayton, Ky. Cigarette cases. Serial No. 470,321; July 31. Class 8.
Wallace Laboratories, New Brunswick, N. J. Pharmaceutical ointment. Serial No. 482,405; July 31. Class 6.
Windsor House, Ltd.: *See*—
42 Products, Ltd.
Wrampelmeier, Ernest C., doing business as Vola-Vin Medicine Co., assignor to Batanilax Corporation, Knoxville, Tenn. Laxative medicinal compound. Serial No. 468,130; July 31. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: *See*—
Mock, Joseph Boyd, assignor.
Abraham & Straus, Inc., New York, to Abraham & Straus Inc., Brooklyn, N. Y. Men's and boys' clothing. 197,020; renewed Apr. 7, 1945. O. G. July 31. Class 39.
Agency Paper Company, New York, N. Y. Air-mail paper, air-mail envelopes, printing paper, etc. 415,228; July 31; Serial No. 479,454; published May 8, 1945. Class 37.
Aircraft Wood Parts Company: *See*—
Hoffman, Reynold C.
Algoma Panel Co., Algoma, Wis., assignor, by mesne assignments, to United States Plywood Corporation, New York, N. Y. Panels and wood veneer. 203,317; renewed Sept. 15, 1945. O. G. July 31. Class 12.
Allied Mills, Inc.: *See*—
American Milling Co.
Altman, B. & Co., New York, N. Y. Hammocks of the couch or divan type. 203,647; renewed Sept. 22, 1945. O. G. July 31. Class 32.
American Agricultural Chemical Company, The: *See*—
Imperial Company, The.
American Crayon Company, The, Sandusky, Ohio. Plastic modeling material. 203,074; renewed Sept. 8, 1945. O. G. July 31. Class 1.
American Milling Co., Philadelphia, Pa., to Allied Mills, Inc., Chicago, Ill., successor. Prepared food for animals. 44,742; re-renewed July 25, 1945. O. G. July 31. Class 46.
American Wine Co., assignor to American Wine Company, St. Louis, Mo. Champagne or sparkling wine. 44,662; re-renewed July 18, 1945. O. G. July 31. Class 47.
American Wine Company: *See*—
American Wine Co., assignor.
Anken Company, Newton, N. J. Light sensitized photographic paper. 415,205–06; July 31; Serial Nos. 477,088–9; published May 8, 1945. Class 26.
Aperion Products Company, Boston, Mass. Whole wheat food product. 415,170; July 31; Serial No. 457,410; published May 8, 1945. Class 46.
Apex Hosiery Company, Philadelphia, Pa. Full fashioned silk hosiery. 203,275; renewed Sept. 15, 1945. O. G. July 31. Class 39.
Aristocrat Leather Products, Inc., New York, N. Y., assignor to Simon Edmund Knee. Wallets. 415,219; July 31. Serial No. 478,985; published May 8, 1945. Class 3.
Arkell Safety Bag Company, New York, N. Y. Paper linings for barrels, bags, drums, and boxes, and for wrapping paper. 203,674; renewed Sept. 22, 1945. O. G. July 31. Class 37.
Babbitt, B. T., New York, assignor to B. T. Babbitt, Inc., Albany and New York, N. Y. Cleaning compound. 203,724; renewed Sept. 22, 1945. O. G. July 31. Class 4.
Babbitt, B. T., Inc.: *See*—
Babbitt, B. T., assignor.
Babcock & Wilcox Company, The, New York, N. Y. Pulverizing machine. 415,177; July 31; Serial No. 470,169; published May 8, 1945. Class 23.
Ball, Mary, Candy Kitchen, Birmingham, Ala. Candy. 415,269; July 31. Class 46.
Barbizon Corporation, The, New York, N. Y. Ladies' wearing apparel. 415,258; July 31. Class 39.
Beacon Steel Products Co., Westminster, Md. Metal brooders, portable metal chick fountains, metal poultry feeders and waterers, etc. 415,282; July 31. Class 50.
Beaver Products Company, Inc., The, Buffalo, N. Y., assignor to Certain-Teed Products Corporation, Chicago, Ill. Prepared roofing. 195,867; renewed Mar. 3, 1945. O. G. July 31. Class 12.
Beck, Zinn, Bat Company, to Z. C. Grier, doing business as Grier Manufacturing Co., Greenville, S. C., successor. Baseball bats. 199,110; renewed June 2, 1945. O. G. July 31. Class 22.
Becton, Dickinson & Co., Rutherford, N. J. Hypodermic syringes, hypodermic needles, clinical thermometers, and elastic bandages. 415,199; July 31; Serial No. 475,888; published May 8, 1945. Class 44.
Bendix Aviation Corporation: *See*—
Pioneer Instrument Company, assignor.
Blue Ribbon Foods, Inc., Newark, N. J. Pickled red cabbage. 415,247; July 31. Class 46.
Bonat, Samuel, & Bro., New York, N. Y. Machineless permanent hair waving pads. 415,217; July 31; Serial No. 478,861; published May 8, 1945. Class 44.
Booth Fisheries Corporation, Chicago, Ill. Frozen, canned, salted, fresh, pickled, and smoked sea food. 415,183; July 31; Serial No. 471,655; published May 8, 1945. Class 46.
British Celanese Limited, London, England. Ladies' and children's hose, ladies' dresses, ladies' underwear of knitted fabrics, etc. 197,564; renewed Apr. 21, 1945. O. G. July 31. Class 39.
British Celanese Limited, London, England. Threads and yarns. 200,587; renewed July 7, 1945. O. G. July 31. Class 43.
Burton-Dixie Corporation: *See*—
Kinney-Rome Co.
Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Electronic apparatus. 415,180; July 31; Serial No. 470,881; published May 8, 1945. Class 21.
Butler Engineering Company: *See*—
Butler, Edgar M.
California Earthworm Farms: *See*—
Leasure, Mary B.
Cambridge Instrument Company Limited, London, England. Permanent electrodes. 415,193; July 31; Serial No. 473,657; published May 8, 1945. Class 21.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gases. 200,534–5; renewed July 7, 1945. O. G. July 31. Class 6.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gases. 201,002; renewed July 14, 1945. O. G. July 31. Class 6.
Carrington, George S., Co., Chicago, Ill. Certain board game played with pegs. 415,250; July 31. Class 22.
Cartier, Inc., New York, N. Y. Opera glasses, lorgnettes, magnifying glasses, etc. 415,184; July 31; Serial No. 471,861; published May 8, 1945. Class 26.
Central Soya Company, Inc., Fort Wayne, Ind. Controlled blend of defatted soy flour and soy fat. 415,254; July 31. Class 46.
Central Soya Company, Inc., Fort Wayne, Ind. Purified powdered soy preparation. 415,255; July 31. Class 46.
Certain-Teed Products Corporation: *See*—
Beaver Products Company, Inc., assignor.
Cinderella Foods, Dawson, Ga. Peanut butter. 415,238; July 31; Serial No. 480,405; published May 8, 1945. Class 46.
Coca-Cola Company, The, Atlanta, Ga., assignor, by mesne assignments, to The Coca-Cola Company, Wilmington, Del. Tonic beverages and syrups. 47,189; re-renewed Oct. 31, 1945. O. G. July 31. Class 45.
Cohen, Harvey, doing business as VeeCo Beauty Equipment Co., Chicago, Ill. Croquignole heaters, spacers, and curlers. 415,240; July 31; Serial No. 480,740; published May 8, 1945. Class 44.
Colorado Milling & Elevator Company, The: *See*—
Hungarian Milling & Elevator Company, assignor.
Colorado Milling & Elevator Company, The, Denver, Colo. Wheat flour. 202,936; renewed Sept. 8, 1945. O. G. July 31. Class 46.
Compania Tabacalera Mundial, S. A., Habana, Cuba. Cigars. 415,192; July 31; Serial No. 473,560; published May 8, 1945. Class 17.
Conchian, Samuel B., assignor, by mesne assignments, to The Samuel Conchian Rug Company, Hartford, Conn. Rug-fasteners. 44,805; re-renewed July 25, 1945. O. G. July 31. Class 13.
Conchian, Samuel, Rug Company, The: *See*—
Conchian, Samuel B., assignor.
Consolidated Tea Company, Inc., New York, N. Y. Tea. 202,703; renewed Sept. 1, 1945. O. G. July 31. Class 46.
Container Company, The, Van Wert, Ohio. Fibreboard drums. 415,220; July 31; Serial No. 479,018; published May 8, 1945. Class 2.
Cook Electric Company, Chicago, Ill. Electric fuses. 415,171; July 31; Serial No. 464,990; published May 8, 1945. Class 21.
Corn Products Refining Company, New York, N. Y. Cornstarch or corn flour. 415,175; July 31; Serial No. 467,147; published May 8, 1945. Class 46.
Daniel Grocer Company: *See*—
Daniel Grocery Company.
Daniel Grocery Company, Murphysboro and West Frankfort, to Daniel Grocer Company, Murphysboro, Ill., successor. Ripe and green olives, spices; food flavoring extracts, etc. 203,960; renewed Sept. 29, 1945. O. G. July 31. Class 46.
Deering, Milliken & Co. Inc.: *See*—
Whitney Mfg. Co., assignor.
Dell Products Corporation, Newark, N. J. Concentrated emulsion of citrous flavors. 415,214; July 31; Serial No. 478,502; published May 8, 1945. Class 46.
Deran Confectionery Co. Inc., East Cambridge, Mass. Chocolate covered peanut butter cracker sandwich. 415,229; July 31; Serial No. 479,467; published May 8, 1945. Class 46.
Dick, A. B., Company, Chicago, Ill. Duplicating stencils, and stencil sheets and stencil paper. 415,230; July 31; Serial No. 479,507; published May 8, 1945. Class 37.
Downy Products Company, Orange, N. J. Mutes for stringed musical instruments. 415,235; July 31; Serial No. 479,781; published May 8, 1945. Class 36.

Drabkin, Adolphe, doing business as Le Vant Brush Co., Los Angeles, Calif. Toothbrushes. 415,185; July 31; Serial No. 471,926; published May 1, 1945. Class 29.

Draper-Maynard Company, The, Plymouth, N. H., assignor, by mesne assignments, to Sport Products, Inc., Cincinnati, Ohio. Athletic shirts, jerseys, sweaters, etc. 199,552; renewed June 9, 1945. O. G. July 31. Class 39.

Dritz-Traum Company, Inc., New York, N. Y. Manikins. 415,226; July 31; Serial No. 479,379; published May 8, 1945. Class 50.

Durand, Jo Ann, Denver, Colo. Fish flies, fish lures, and fishhooks. 415,273; July 31. Class 22.

Eagle Clothes, New York, N. Y. Men's clothing. 415,259; July 17. Class 39.

Electrol Incorporated: *See*—
Standard Steam Corporation, assignor.

Electronic Components Company, West Los Angeles, Calif. Electrical insulating compound. 415,203; July 31; Serial No. 476,666; published May 8, 1945. Class 21.

Electronic Corp. of America, New York, N. Y. Radio receivers, transmitters, amplifiers and parts of each thereof. 415,173; July 31; Serial No. 466,834; published May 8, 1945. Class 21.

Ellis Coat Co., Inc., The, Manchester, Conn. Women's and misses' coats and suits. 415,261; July 31. Class 39.

English Electric Company of Canada Limited, St. Catharines, Ontario, Canada. Electrical insulating cylinders and electrical insulating flanged collars. 415,187; July 31; Serial No. 472,772; published May 8, 1945. Class 21.

Escondido Fruit Growers Association, assignor to Escondido Orange Association, Escondido, Calif. Fresh citrous fruits. 204,064; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Escondido Orange Association: *See*—
Escondido Fruit Growers Association, assignor.

Everfast Fabrics, Inc., New York, N. Y. Ladies', misses', girls' and children's dresses, blouses, skirts, etc. 415,278; July 31. Class 39.

Ezo Products Co.: *See*—
Ezo Products Company.

Ezo Products Company, also doing business as Ezo Products Co., Philadelphia, Pa. Denture cushions. 415,195; July 31; Serial No. 474,278; published May 8, 1945. Class 44.

Face-Lift Cosmetic Company: *See*—
Thomas, Abner E.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Remedies for cardial and vascular disturbances. 203,467; renewed Sept. 22, 1945. O. G. July 31. Class 6.

Fink, A., & Sons, Newark, N. J. Hams, bacon, lard, etc. 204,032; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Firestone Aircraft Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business under the name Firestone Aircraft Company, Akron, Ohio. Track laying type airplane landing gears. 415,174; July 31; Serial No. 467,125; published May 8, 1945. Class 19.

Firestone Tire & Rubber Company, The, Akron, Ohio. Masonry waterproofing cement. 415,253; July 31. Class 12.

Firestone Tire & Rubber Company, The, Akron, Ohio. Wallpaper. 415,283; July 31. Class 37.

Florian, Inc., Des Moines, Iowa. Face powder, tooth paste, and face lotion. 201,212; renewed July 21, 1945. O. G. July 31. Class 6.

Florian, Inc., Des Moines, Iowa. Shaving soap. 201,254; renewed July 21, 1945. O. G. July 31. Class 4.

Florian, Inc., Des Moines, Iowa. Tooth paste and face lotion. 201,266; renewed July 21, 1945. O. G. July 31. Class 6.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. 202,751; renewed Sept. 1, 1945. O. G. July 31. Class 39.

Florsheim Shoe Company, The, Chicago, Ill. Men's leather shoes. 203,292; renewed Sept. 15, 1945. O. G. July 31. Class 39.

Foot Health Shoe Institute, Inc., New York, N. Y. Men's and women's shoes. 415,246; July 31. Class 39.

Foote, John, Shoe Company, The, Brockton, Mass. Shoes. 415,256; July 31. Class 39.

Foster Bros. Mfg. Co., Utica, N. Y. Beds. 45,483; renewed Aug. 22, 1945. O. G. July 31. Class 32.

Foster Bros. Mfg. Co., Utica, N. Y. Beds. 46,024; renewed Sept. 5, 1945. O. G. July 31. Class 32.

Friday Pack Company: *See*—
Friday, Paul D.

Friday, Paul D., doing business as Friday Pack Company, Portland, Oreg. Fiberboard, paperboard, and wooden packing cases. 415,260; July 31. Class 2.

Frolic Dickey Co., New York, N. Y. Ladies' and misses' vestee scarfs. 415,274; July 31. Class 39.

Glade Candy Co. Inc., Salt Lake City, Utah. Chocolates. 415,213; July 31; Serial No. 478,380; published May 8, 1945. Class 46.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Adhesive cements. 415,176; July 31; Serial No. 467,240; published May 8, 1945. Class 5.

Goodyear Tire & Rubber Company, Inc., The: *See*—
Richards, Boggs & King, Inc., assignor.

Grier Manufacturing Co.: *See*—
Beck, Zinn, Bat Company.

Grier, Z. C.: *See*—
Beck, Zinn, Bat Company.

Grip Nut Company, Chicago, Ill. Metal nuts. 201,769; renewed Aug. 4, 1945. O. G. July 31. Class 13.

Groover-Steward Drug Company, The, Jacksonville, Fla., assignor to McKesson & Robbins, Incorporated, New York, N. Y. Writing paper, tablets, envelopes, and cards. 203,653; renewed Sept. 22, 1945. O. G. July 31. Class 37.

Hackett Automotive Accessories Corporation, Providence, R. I. Wiper blades. 415,211; July 31; Serial No. 478,122; published May 8, 1945. Class 19.

Hamilton Watch Company, Lancaster, Pa. Watches, watch movements, and parts thereof. 203,657; renewed Sept. 22, 1945. O. G. July 31. Class 27.

Harper Oven & Equipment Co., Kansas City, Mo. Bakers' electric reel ovens. 415,212; July 31; Serial No. 478,322; published May 8, 1945. Class 21.

Henry, De Witt P., Co., Philadelphia, Pa. Candy. 204,052; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Hoffman, Reynold C., doing business as Aircraft Wood Parts Company, Minneapolis, Minn. Pre-cut and fabricated plywood panels and strips. 415,178; July 31; Serial No. 470,497; published May 8, 1945. Class 12.

Hollingshead, R. M., Corporation, Camden, N. J. Wax or floor polish. 415,257; July 31. Class 16.

Houghton, E. F., & Co., Philadelphia, Pa. Preparations of an oily nature. 197,493; renewed Apr. 21, 1945. O. G. July 31. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Preparations of an oily nature. 200,434; renewed June 30, 1945. O. G. July 31. Class 6.

Huber, J. M., Inc., New York, N. Y. Carbon black and clay fillers. 415,264; July 31. Class 1.

Hungarian Milling & Elevator Company, assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 45,499; re-renewed Aug. 22, 1945. O. G. July 31. Class 46.

Hyde Bird Feeder Co.: *See*—
Hyde, Joyce P.

Hyde, Joyce P., doing business as Hyde Bird Feeder Co., Somerville, Mass. Food for wild birds packed in cups. 415,252; July 31. Class 46.

Ideal Novelty & Toy Co., Long Island City, N. Y. Toy jeeps, toy rattles, toy tea sets and toy dishes. 415,218; July 31; Serial No. 478,958; published May 8, 1945. Class 22.

Ideal Smoked Fish Corp., assignor to Abraham Katz, New York, N. Y. Canned salmon. 204,067; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Imperial Company, The, Norfolk, Va., to The American Agricultural Chemical Company, New York, N. Y., successor. Artificial or manufactured fertilizers. 45,652; re-renewed Aug. 22, 1945. O. G. July 31. Class 10.

International Braid Company, Providence, R. I. Twine. 415,221; July 31; Serial No. 479,129; published May 8, 1945. Class 7.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Rubber belting. 204,071–2; renewed Oct. 6, 1945. O. G. July 31. Class 35.

Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. 415,223; July 31; Serial No. 479,288; published May 8, 1945. Class 37.

Katz, Abraham: *See*—
Ideal Smoked Fish Corp., assignor.

Kehr Paper Products Company, Philadelphia, Pa. Paper bags. 415,243; July 31; Serial No. 481,146; published May 8, 1945. Class 2.

Keystone Driller Company, Beaver Falls, Pa. Power percussion well-drilling machines and cable well-drilling machines, sand pumps, etc. 415,202; July 31; Serial No. 476,438; published May 8, 1945. Class 23.

Kinney-Rome Co., to Burton-Dixie Corporation, Chicago, Ill., successor. Bed springs. 197,165; renewed Apr. 14, 1945. O. G. July 31. Class 32.

Knee, Simon Edmund: *See*—
Aristocrat Leather Products, Inc.

Knoll, H. G., & Co., Inc., assignor, by mesne assignments, to H. G. Knoll & Co. Inc., New York, N. Y. Medicinal tablets. 197,143; renewed Apr. 14, 1945. O. G. July 31. Class 6.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Prepared liquid paint. 204,124; renewed Oct. 6, 1945. O. G. July 31. Class 16.

Leasure, Mary B., doing business as California Earthworm Farms, Ontario, Calif. Earthworm spawn material. 415,196; July 31; Serial No. 474,457; published May 8, 1945. Class 1.

Lee Industries: *See*—
Ornstein, Lee.

Leonard, Crosset & Riley, assignor, by mesne assignments, to Metzger's, Incorporated, Greenville, Mich. Potatoes. 196,904; renewed Mar. 31, 1945. O. G. July 31. Class 46.

Leslie, John, Paper Company, The, Minneapolis, Minn. Building papers. 201,759; renewed Aug. 4, 1945. O. G. July 31. Class 12.

Leslie, John, Paper Company, The, Minneapolis, Minn. Wrapping paper. 202,739; renewed Sept. 1, 1945. O. G. July 31. Class 37.

Le Vant Brush Co.: *See*—
Drabkin, Adolphe.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass sheets or plates. 415,186; July 31; Serial No. 472,283; published May 1, 1945. Class 33.

Malone, L. T., doing business as L. T. Malone Co., Phoenix, Ariz. Fresh vegetables. 415,271; July 31. Class 46.

Malone, L. T., Co.: *See*—
Malone, L. T.

Maloney, Lawrence J., Boston, assignor to William F. Swan, Abington, Mass. Soap. 45,030; re-renewed Aug. 1, 1945. O. G. July 31. Class 4.

Mann, I. G., Company, Inc., New York, N. Y., assignor, by mesne assignments, to Leo Mann, Providence, R. I. Felts. 197,954; renewed Apr. 28, 1945. O. G. July 31. Class 50.

Mann, Leo: *See*—
Mann, I. G., Company, Inc., assignor.

Marianna Girl Coat Co., New York, N. Y. Infants', children's, girls', youths' and junior misses' coats, suits, etc. 415,265; July 31. Class 39.

Mattel Creations, Los Angeles, Calif. Miniature toy furniture. 415,216; July 31; Serial No. 478,637; published May 8, 1945. Class 22.

McCord Corporation, Detroit, Mich. Unit heaters. 415,281; July 31. Class 34.

McIlvaine Machine Works, Yakima, Wash. Lathes. 415,179; July 31; Serial No. 470,858; published May 8, 1945. Class 23.

McKesson & Robbins, Incorporated: *See*—
Groover-Steward Drug Company, The, assignor.

Meissner, C. R., Co., Inc., New York, N. Y. Goods stamped for embroidery. 201,994; renewed Aug. 11, 1945. O. G. July 31. Class 40.

Mercury Manufacturing Company, The, Chicago, Ill. Electrical tractors and parts thereof. 203,090; renewed Sept. 8, 1945. O. G. July 31. Class 21.

Metropolitan Paving Brick Company, The, Canton and Minerva, Ohio, and Bessemer, Pa., to The Metropolitan Paving Brick Company, Canton, Minerva, and Cleveland, Ohio, and Bessemer, Pa. Building and paving bricks and blocks. 203,670; renewed Sept. 22, 1945. O. G. July 31. Class 12.

Metzger's, Incorporated: *See*—
Leonard, Crosset & Riley, assignor.

Miller Fabrics Corporation, New York, N. Y. Ladies' and misses' dresses, blouses, skirts, etc. 415,279; July 31. Class 39.

Mittelman, Bernstein & Co., Wilmington, Del. Adjustable waistbands. 415,263; July 31. Class 39.

Mock, Joseph Boyd, Long Beach, Calif., assignor to Abbott Laboratories, North Chicago, Ill. Preparation for the treatment and relief of stomach troubles. 200,807; renewed July 14, 1945. O. G. July 31. Class 6.

Moody, Charles E., & Co., assignor, by mesne assignments, to Webster Thomas Company, Boston, Mass. Canned fruits and vegetables. 46,848; re-renewed Oct. 10, 1945. O. G. July 31. Class 46.

Moore, John Hudson, Inc., New York, N. Y. Unfitted traveling cases. 415,232; July 31; Serial No. 479,635; published May 8, 1945. Class 3.

Moore, John Hudson, Inc., New York, N. Y. Fitted traveling cases. 415,233; July 31; Serial No. 479,638; published May 8, 1945. Class 3.

Mountain States Rubber Company: *See*—
Orlob, Rudolph.

Mountain States Rubber Company, Inc.: *See*—
Orlob, Rudolph, assignor.

Movado Watch Agency, Inc., New York, N. Y. Watches. 415,227; July 31; Serial No. 479,395; published May 8, 1945. Class 27.

Mutual Paper Co., Inc., The, New York, N. Y. Paper. 415,231; July 31; Serial No. 479,593; published May 8, 1945. Class 37.

National Blank Book Company: *See*—
National Blank Book Co.

National Blank Book Co., to National Blank Book Company, Holyoke, Mass., successor. Blank books and writing paper. 45,601; re-renewed Aug. 22, 1945. O. G. July 31. Class 37.

National Blank Book Co., to National Blank Book Company, Holyoke, Mass., successor. Blank books and writing-paper. 45,602; re-renewed Aug. 22, 1945. O. G. July 31. Class 37.

National Blank Book Co., to National Blank Book Company, Holyoke, Mass., successor. Blank books and writing-paper. 45,683; re-renewed Aug. 29, 1945. O. G. July 31. Class 37.

National Toilet Company, Paris, Tenn. Face-powder. 44,715; re-renewed July 18, 1945. O. G. July 31. Class 6.

National Toilet Company, Paris, Tenn. Cosmetic cream. 44,716; re-renewed July 18, 1945. O. G. July 31. Class 6.

National Toilet Company, Paris, Tenn. Toilet soap. 45,429; re-renewed Aug. 15, 1945. O. G. July 31. Class 4.

National Toilet Company, Paris, Tenn. Cream ointment. 46,466; re-renewed Sept. 19, 1945. O. G. July 31. Class 6.

Od Peacock Sultan Company: *See*—
Sultan Drug Co., assignor.

Ohio Valley Bag and Burlap Company, Louisville, Ky. Cotton and burlap bags. 415,276; July 31. Class 2.

Olmstead, Horatio C., doing business as Olmy's Kandy Kitchen, Washington, D. C. Candy. 415,208; July 31; Serial No. 477,576; published May 8, 1945. Class 46.

Olmy's Kandy Kitchen: *See*—
Olmstead, Horatio C.

Olympia Canning Company, Olympia, Wash. Vinegar. 203,953; renewed Sept. 29, 1945. O. G. July 31. Class 46.

Olympia Canning Company, Olympia, Wash. Vinegar. 204,000; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Optron Laboratory, Dayton, Ohio. Precision optical goods. 415,237; July 31; Serial No. 480,143; published May 8, 1945. Class 26.

Orlob, Rudolph, doing business as Mountain States Rubber Company, assignor to Mountain States Rubber Company, Inc., Salt Lake City, Utah. Belting, hose, asbestos, and packings and lacing. 202,736; renewed Sept. 1, 1945. O. G. July 31. Class 35.

Orlob, Rudolph, doing business as Mountain States Rubber Company, assignor to Mountain States Rubber Company, Inc., Salt Lake City, Utah. Asbestos and rubber sheet packing. 202,737; renewed Sept. 1, 1945. O. G. July 31. Class 35.

Ornstein, Lee, doing business as Lee Industries, Chicago, Ill. Game-boards. 415,242; July 31; Serial No. 481,077; published May 8, 1945. Class 22.

Osborn, C. D., Company, The, Chicago, Ill. Men's and women's gloves. 415,267; July 31. Class 39.

Ostrom, C. W., doing business as Ostrom Mushroom Co., Seattle, Wash. Meat sauce. 415,241; July 31; Serial No. 480,923; published May 8, 1945. Class 46.

Ostrom Mushroom Co.: *See*—
Ostrom, C. W.

Packing Products Company, New York, N. Y. China tableware. 415,182; July 31; Serial No. 471,620; published May 8, 1945. Class 30.

Pak Company, The, Cleveland, Ohio. Safety razors and razor blades. 415,209; July 31; Serial No. 477,948; published May 8, 1945. Class 23.

Pan-American Candy Co., Ashley, Ill. Candy. 415,197; July 31; Serial No. 474,961; published May 8, 1945. Class 46.

Parodi, Erminio & Co. Inc., San Francisco, Calif. Olive oil. 203,972; renewed Sept. 29, 1945. O. G. July 31. Class 46.

Philco Corporation, Philadelphia, Pa. Rubber unit supports, portable radios, and combination portable radios and phonographs. 415,189; July 31; Serial No. 473,116; published May 8, 1945. Class 21.

Philco Corporation, Philadelphia, Pa. Rubber washers, rubber gaskets and fibre washers. 415,190; July 31; Serial No. 473,122; published May 8, 1945. Class 35.

Phoenix Horse Shoe Co., Chicago, Ill., and New York, N. Y., by change of name to Phoenix Manufacturing Company, Joliet, Ill. Horseshoe calks. 204,073; renewed Oct. 6, 1945. O. G. July 31. Class 3.

Phoenix Manufacturing Company: *See*—
Phoenix Horse Shoe Co.

Pillsbury Flour Mills Company, assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Flour. 197,313; renewed Apr. 14, 1945. O. G. July 31. Class 46.

Pillsbury Flour Mills Company, assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Flour. 199,499; renewed June 9, 1945. O. G. July 31. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company, assignor.

Pioneer Instrument Company, Brooklyn, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, Teterboro, N. J. Electric running lights, electric landing lights, electric navigation lights, etc. 197,167; renewed Apr. 14, 1945. O. G. July 31. Class 21.

Pioneer Instrument Company, Brooklyn, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, Teterboro, N. J. Compasses, banking indicators, turn indicators, etc. 200,087; renewed June 23, 1945. O. G. July 31. Class 26.

Plotzky, Samuel, New York, N. Y. Billfolds and wallets. 415,244; July 31; Serial No. 481,159; published May 8, 1945. Class 3.

Pope, Thomas H., Greenville, S. C. Bread. 415,172; July 31; Serial No. 465,210; published May 8, 1945. Class 46.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 203,818; renewed Sept. 29, 1945. O. G. July 31. Class 46.

Remington Rand Inc., Buffalo, N. Y. Correction fluid, stencils and duplicating paper. 415,188; July 31; Serial No. 473,076; published May 8, 1945. Class 37.

Richards, Boggs & King, Inc., Chicago, Ill., assignor to The Goodyear Tire & Rubber Company, Inc., Akron, Ohio. Transparent and opaque sheets in the form of free films of vinyl resin. 415,200; July 31; Serial No. 476,033; published Apr. 24, 1945. Class 1.

Roseth Corporation, Brooklyn, N. Y. Mothproof fibreboard storage boxes. 415,270; July 31. Class 2.

Saks & Company, New York, N. Y. Girls' and misses' dresses, coats, and accessories. 415,262; July 31. Class 39.

Salvajor Company, The, Kansas City, Mo. Tableware cleaning and salvaging machines. 415,198; July 31; Serial No. 475,078; published May 8, 1945. Class 23.

Schuster, Edwin, New York, N. Y. Finger rings. 415,224; July 31; Serial No. 479,310; published May 8, 1945. Class 28.

Seltzer, Oscar, Chicago, Ill. Letter writing paper and envelopes. 415,210; July 31; Serial No. 478,090; published May 8, 1945. Class 37.

Shaw, H. E., Company, Worcester, Mass. Cigars. 415,234; July 31; Serial No. 479,699; published May 8, 1945. Class 17.

Sherman, George, doing business as Sherman Paper & Box Co., Boston, to George Sherman, Newton, Mass. Panliners. 202,308; renewed Aug. 18, 1945. O. G. July 31. Class 37.

Sherman Paper & Box Co.: *See*—
Sherman, George.

Shlansky, Philip, & Bro. Inc., New York, N. Y. Women's, misses', and girls' coats. 415,245; July 31. Class 39.

Shuron Optical Company, Inc., Geneva, N. Y. Ophthalmic mountings and parts thereof, ophthalmic lenses. 415,194; July 31; Serial No. 474,247; published May 8, 1945. Class 26.

Sicular Company, The: *See*—
Sicular, Henry.

Sicular, Henry, doing business as The Sicular Company, San Francisco, Calif. Fluoroscopically equipped viewer cabinets and associated inspection station. 415,201; July 31; Serial No. 476,406; published May 8, 1945. Class 26.

Si-En-Tif-Ik Motor Products Co., Chicago, Ill. Chemical compounds. 415,248; July 31. Class 6.

Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, raincoats, suits, etc. 415,280; July 31. Class 39.

Sonneborn, L., Sons, Inc., New York, N. Y. Caulking compound. 415,277; July 31. Class 12.

Sport Products, Inc: *See*—
Draper-Maynard Company, The, assignor.

Springfield Leather Products Company, The, Springfield, Ohio. Cigarette cases. 415,268; July 31. Class 8.

Standard Steam Corporation, St. Louis, Mo., assignor, by mesne assignments, to Electrol Incorporated, Kingston, N. Y. Domestic oil burner. 196,986; renewed Apr. 7, 1945. O. G. July 31. Class 34.

Stensgaard, W. L., and Associates, Inc., Chicago, Ill. Boxes, crates, or cases for shipping purposes. 415,251; July 31. Class 2.

Storm King Company, Akron, Ohio. Combination summer and winter windows and doors. 415,222; July 31; Serial No. 479,154; published May 8, 1945. Class 12.

Sultan Drug Co., assignor to Od Peacock Sultan Company, St. Louis, Mo. Cardiac tonics and remedies for heart diseases. 46,866; re-renewed Oct. 10, 1945. O. G. July 31. Class 6.

Sunbeam Chemical Company, assignor to Rit Products Corporation, Chicago, Ill. Combined dye and polish for leather. 197,698; renewed Apr. 21, 1945. O. G. July 31. Class 4.

Swan, William F.: *See*—
Maloney, Lawrence J., assignor.

Swift and Company, Chicago, Ill. Liquid glue. 415,204; July 31; Serial No. 476,704; published May 8, 1945. Class 5.

Thomas, Abner E., doing business as Face-Lift Cosmetic Company, San Antonio, Tex. Face oil. 415,275; July 31. Class 6.

Thomas, Webster, Company: *See*—
Moody, Charles E., & Co., assignor.

Tribune Company, Chicago, Ill. Special newspaper articles. 201,985; renewed Aug. 11, 1945. O. G. July 31. Class 38.

Tufts, Rufus S., Menlo Park, Calif. Writing paper, letterheads, billheads, etc. 415,191; July 31; Serial No. 473,489; published May 8, 1945. Class 37.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 415,215; July 31; Serial No. 478,602; published May 8, 1945. Class 2.

United Elastic Corporation, Easthampton, Mass. Narrow elastic fabrics. 415,181; July 31; Serial No. 470,949; published May 1, 1945. Class 40.

United States Graphite Co., The, Saginaw, Mich. Graphite pipe joint compounds. 203,568; renewed Sept. 22, 1945. O. G. July 31. Class 12.

United States Plywood Corporation: *See*—
Algoma Panel Co., assignor.
United States Plywood Co. Inc.

United States Plywood Co. Inc., to United States Plywood Corporation, New York, N. Y. Plywood. 203,931; renewed Sept. 29, 1945. O. G. July 31. Class 12.

Universal Contact Lens Corp., New York, N. Y. Contact lenses. 415,239; July 31; Serial No. 480,555; published May 8, 1945. Class 26.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., to Valvoline Oil Company, Edgewater, N. J. Lubricating oils. 46,780; re-renewed Oct. 10, 1945. O. G. July 31. Class 15.

VeeCo Beauty Equipment Co.: *See*—
Cohen, Harvey.

Vulcan Stamping and Mfg. Co., Inc., Bellwood, Ill. Sheet metal shipping containers. 415,236; July 31; Serial No. 480,094; published May 8, 1945. Class 2.

Wadsworth Watch Case Company, The, Dayton, Ky. Varnishes and lacquers. 204,035; renewed Oct. 6, 1945. O. G. July 31. Class 16.

Waitt & Bond, Inc., Newark, N. J. Cigars. 415,225; July 31; Serial No. 479,316; published May 8, 1945. Class 17.

Weisfield & Goldberg, Inc., Seattle, Wash. Eye glasses. 415,207; July 31; Serial No. 477,133; published May 8, 1945. Class 26.

Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed-paint cement preservatives. 204,074; renewed Oct. 6, 1945. O. G. July 31. Class 16.

White Packing Company, Salisbury, N. C. Bacon, sausage, lard, etc. 204,025; renewed Oct. 6, 1945. O. G. July 31. Class 46.

Whitehall, Incorporated, New Haven, Conn. Writing paper and envelopes. 415,249; July 31. Class 37.

Whiting Paper Company, Holyoke, Mass. Ledger, bond, linen, bristol-board, and all kinds of writing-paper. 46,171; re-renewed Sept. 5, 1945. O. G. July 31. Class 37.

Whiting Paper Company, Holyoke, Mass. Ledger, bond, linen, bristol-board and all kinds of writing-paper. 46,440; renewed Sept. 19, 1945. O. G. July 31. Class 37.

Whitney Mfg. Co., Whitney, S. C., assignor to Deering, Milliken & Co. Inc., New York, N. Y. Cotton piece goods. 203,667; renewed Sept. 22, 1945. O. G. July 31. Class 42.

Wimberly, Boyce, Yoakum, Tex. Dolls. 415,266; July 31. Class 22.

Winthrop-Atkins Co., Inc., Middleboro, Mass. Picture mountings made of paper or cardboard. 415,284–6; July 31. Class 37.

Winthrop Chemical Company, Inc.: *See*—
Farbenfabriken vorm. Friedr. Bayer & Co., assignor.

Wormser Hat Stores, Inc., New York, N. Y. Imported woven straw hat bodies, Panama hats, gloves, etc. 415,272; July 31. Class 39.

Youma (England) Ltd., London, England, assignor to Youma Limited, Eastbridge, Kirkcaldy, Scotland. Wheat flour, bread, and cakes. 197,634; renewed Apr. 21, 1945. O. G. July 31. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black and clay fillers. J. M. Huber, Inc. 415,264; July 31.

Earthworm spawn material. M. B. Leasure. 415,196; July 31; Serial No. 474,457; published May 8, 1945.

Plastic modeling material. American Crayon Company. 203,074; renewed Sept. 8, 1945. O. G. July 31.

Transparent and opaque sheets in the form of free films of vinyl resin. Richards, Boggs & King, Inc. 415,200; July 31; Serial No. 476,033; published Apr. 24, 1945.

CLASS 2

Bags, Cotton and burlap. Ohio Valley Bag and Burlap Company. 415,276; July 31.

Bags, Paper. Union Bag & Paper Corporation. 415,215; July 31; Serial No. 478,602; published May 8, 1945.

Bags, Paper. Kehr Paper Products Company. 415,243; July 31; Serial No. 481,146; published May 8, 1945.

Boxes, crates, or cases for shipping purposes. W. L. Stensgaard and Associates, Inc. 415,251; July 31.

Boxes, Mothproof fibreboard storage. Roseth Corporation. 415,270; July 31.

Containers, Sheet metal shipping. Vulcan Stamping and Mfg. Co., Inc. 415,236; July 31; Serial No. 480,094; published May 8, 1945.

Drums, Fibreboard. Container Company. 415,220; July 31; Serial No. 479,018; published May 8, 1945.

Fiberboard, paperboard, and wooden packing cases. P. D. Friday. 415,260; July 31.

CLASS 3

Billfolds and wallets. S. Plotzky. 415,244; July 31; Serial No. 481,159; published May 8, 1945.

Calks, Horseshoe. Phoenix Horse Shoe Co. 204,073; renewed Oct. 6, 1945. O. G. July 31.

Cases, Fitted traveling. John Hudson Moore, Inc. 415,233; July 31; Serial No. 479,638; published May 8, 1945.

Cases, Unfitted traveling. John Hudson Moore, Inc. 415,232; July 31; Serial No. 479,635; published May 8, 1945.

Wallets. Aristocrat Leather Products, Inc. 415,219; July 31; Serial No. 478,985; published May 8, 1945.

CLASS 4

Cleaning compound. B. T. Babbitt. 203,724; renewed Sept. 22, 1945. O. G. July 31.

Dye and polish for leather, Combined. Sunbeam Chemical Company. 197,698; renewed Apr. 21, 1945. O. G. July 31.

Soap. L. J. Maloney. 45,030; re-renewed Aug. 1, 1945. O. G. July 31.

Soap, Shaving. Florian, Inc. 201,254; renewed July 21, 1945. O. G. July 31.

Soap, Toilet. National Toilet Company. 45,429; re-renewed Aug. 15, 1945. O. G. July 31.

CLASS 5

Cements, Adhesive. B. F. Goodrich Company. 415,176; July 31; Serial No. 467,240; published May 8, 1945.

Glue, Liquid. Swift and Company. 415,204; July 31; Serial No. 476,704; published May 8, 1945.

CLASS 6

Compounds, Chemical. Si-En-Tif-Ik Motor Products Co. 415,248; July 31.

Cream, Cosmetic. National Toilet Company. 44,716; re-renewed July 18, 1945. O. G. July 31.

Face-powder. National Toilet Company. 44,715; re-renewed July 18, 1945. O. G. July 31.

Gases, Compressed. Carbide & Carbon Chemicals Corporation. 200,534–5; renewed July 7, 1945. O. G. July 31.

Gases, Compressed. Carbide & Carbon Chemicals Corporation. 201,002; renewed July 14, 1945. O. G. July 31.

Oil, Face. A. E. Thomas. 415,275; July 31.

Ointment, Cream. National Toilet Company. 46,466; re-renewed Sept. 19, 1945. O. G. July 31.

Powder, tooth paste, and face lotion, Face. Florian, Inc. 201,212; renewed July 21, 1945. O. G. July 31.

Preparation for the treatment and relief of stomach troubles. J. B. Mock. 200,807; renewed July 14, 1945. O. G. July 31.

Preparations of an oily nature. E. F. Houghton & Co. 197,493; renewed Apr. 21, 1945. O. G. July 31.

Preparations of an oily nature. E. F. Houghton & Co. 200,434; renewed June 30, 1945. O. G. July 31.

Remedies for cardial and vascular disturbances. Farbenfabriken vorm. Friedr. Bayer & Co. 203,467; renewed Sept. 22, 1945. O. G. July 31.

Tablets, Medicinal. H. G. Knoll & Co., Inc. 197,143; renewed Apr. 14, 1945. O. G. July 31.

Tonics and remedies for heart diseases, Cardiac. Sultan Drug Co. 46,866; re-renewed Oct. 10, 1945. O. G. July 31.

Tooth paste and face lotion. Florian, Inc. 201,266; renewed July 21, 1945. O. G. July 31.

CLASS 7

Twine. International Braid Company. 415,221; July 31; Serial No. 479,129; published May 8, 1945.

CLASS 8

Cases, Cigarette. Springfield Leather Products Company. 415,268; July 31.

CLASS 10

Fertilizers, Artificial or manufactured. Imperial Company. 45,652; re-renewed Aug. 22, 1945. O. G. July 31.

CLASS 12

Bricks and blocks, Building and paving. Metropolitan Paving Brick Company. 203,670; renewed Sept. 22, 1945. O. G. July 31.

Caulking compound. L. Sonneborn Sons, Inc. 415,277; July 31.

Cement, Masonry waterproofing. The Firestone Tire & Rubber Company. 415,253; July 31.

Panels and strips, Pre-cut and fabricated plywood. R. C. Hoffman. 415,178; July 31; Serial No. 470,497; published May 8, 1945.

Panels and wood veneer. Algoma Panel Co. 203,317; renewed Sept. 15, 1945. O. G. July 31.

Papers, Building. John Leslie Paper Company. 201,759; renewed Aug. 4, 1945. O. G. July 31.

Pipe joint compounds, Graphite. United States Graphite Co. 203,568; renewed Sept. 22, 1945. O. G. July 31.

Plywood. United States Plywood Co. Inc. 203,931; renewed Sept. 29, 1945. O. G. July 31.

Roofing, Prepared. Beaver Products Company, Inc. 195,867; renewed Mar. 3, 1945. O. G. July 31.

Windows and doors, Combination summer and winter. Storm King Company. 415,222; July 31; Serial No. 479,154; published May 8, 1945.

CLASS 13

Nuts, Metal. Grip Nut Company. 201,769; renewed Aug. 4, 1945. O. G. July 31.

Rug-fasteners. S. B. Donchian. 44,805; re-renewed July 25, 1945. O. G. July 31.

CLASS 15

Oils, Lubricating. Valvoline Oil Company. 46,780; re-renewed Oct. 10, 1945. O. G. July 31.

CLASS 16

Cement preservatives, Ready-mixed-paint. Geo. D. Wetherill & Co., Inc. 204,074; renewed Oct. 6, 1945. O. G. July 31.

Paint, Prepared liquid. J. F. Kurfee Paint Company, Incorporated. 204,124; renewed Oct. 6, 1945. O. G. July 31.

Varnishes and lacquers. Wadsworth Watch Case Company. 204,035; renewed Oct. 6, 1945. O. G. July 31.

Wax or floor polish. R. M. Hollingshead Corporation. 415,257; July 31.

CLASS 17

Cigars. Compania Tabacalera Mundial, S. A. 415,192; July 31; Serial No. 473,560; published May 8, 1945.

Cigars. H. E. Shaw Company. 415,234; July 31; Serial No. 479,699; published May 8, 1945.

Cigars. Waitt & Bond, Inc. 415,225; July 31; Serial No. 479,316; published May 8, 1945.

CLASS 19

Airplane landing gears, Track laying type. Firestone Tire & Rubber Company. 415,174; July 31; Serial No. 467,125; published May 8, 1945.

Wiper blades. Hackett Automotive Accessories Corporation. 415,211; July 31; Serial No. 478,122; published May 8, 1945.

CLASS 21

Cylinders and electrical insulating flanged collars, Electrical insulating. English Electric Company of Canada Limited. 415,187; July 31; Serial No. 472,772; published May 8, 1945.

Electrical insulating compound. Electronic Components Company. 415,203; July 31; Serial No. 476,666; published May 8, 1945.

Electrical tractors and parts thereof. Mercury Manufacturing Company. 203,090; renewed Sept. 8, 1945. O. G. July 31.

Electrodes, Permanent. Cambridge Instrument Company Limited. 415,193; July 31; Serial No. 473,657; published May 8, 1945.

Electronic apparatus. E. M. Butler. 415,180; July 31; Serial No. 470,881; published May 8, 1945.

Fuses, Electric. Cook Electric Company. 415,171; July 31; Serial No. 464,990; published May 8, 1945.

Lights, electric landing lights, electric navigation lights, etc., Electric running. Pioneer Instrument Company, 197,167; renewed Apr. 14, 1945. O. G. July 31.

Ovens, Bakers' electric reel. Harper Oven & Equipment Co. 415,212; July 31; Serial No. 478,322; published May 8, 1945.

Radio receivers, transmitters, amplifiers and parts of each thereof. Electronic Corp. of America. 415,173; July 31; Serial No. 466,834; published May 8, 1945.

Rubber unit supports, portable radios, and combination portable radios and phonographs. Philco Corporation. 415,189; July 31; Serial No. 473,116; published May 8, 1945.

CLASS 22

Bats, Baseball. Zinn Beck Bat Company. 199,110; renewed June 2, 1945. O. G. July 31.

Dolls. B. Wimberly. 415,266; July 31.

Fish flies, fish lures, and fishhooks. J. A. Durand. 415,273; July 31.

Game-boards. L. Ornstein. 415,242; July 31; Serial No. 481,077; published May 8, 1945.

Game played with pegs, Certain board. George S. Carrington Co. 415,250; July 31.

Toy furniture, Miniature. Mattel Creations. 415,216; July 31; Serial No. 478,637; published May 8, 1945.

Toy jeeps, toy rattles, toy tea sets and toy dishes. Ideal Novelty & Toy Co. 415,218; July 31; Serial No. 478,958; published May 8, 1945.

CLASS 23

Cleaning and salvaging machines, Tableware. Salvajor Company. 415,198; July 31; Serial No. 475,078; published May 8, 1945.

Lathes. McIlvanie Machine Works. 415,179; July 31; Serial No. 470,858; published May 8, 1945.
Pulverizing machines. Babcock & Wilcox Company. 415,177; July 31; Serial No. 470,169; published May 8, 1945.
Razors and razor blades, Safety. Pak Company. 415,209; July 31; Serial No. 477,948; published May 8, 1945.
Well-drilling machines and cable well-drilling machines, sand pumps, etc., Power percussion. Keystone Driller Company. 415,202; July 31; Serial No. 476,438; published May 8, 1945.

CLASS 26

Compasses, banking indicators, turn indicators, etc. Pioneer Instrument Company. 200,087; renewed June 23, 1945. O. G. July 31.
Glasses, Eye. Weisfield & Goldberg, Inc. 415,207; July 31; Serial No. 477,133; published May 8, 1945.
Glasses, lorgnettes, magnifying glasses, etc., Opera. Cartier, Inc. 415,184; July 31; Serial No. 471,861; published May 8, 1945.
Lenses, Contact. Universal Contact Lens Corp. 415,239; July 31; Serial No. 480,555; published May 8, 1945.
Mountings and parts thereof, ophthalmic lenses, Ophthalmic. Shuron Optical Company, Inc. 415,194; July 31; Serial No. 474,247; published May 8, 1945.
Optical goods, Precision. Optron Laboratory. 415,237; July 31; Serial No. 480,143; published May 8, 1945.
Paper, Light sensitized photographic. Anken Company. 415,205–6; July 31; Serial Nos. 477,088–9; published May 8, 1945.
Viewer cabinets and associated inspection station, Fluoroscopically equipped. H. Sicular. 415,201; July 31; Serial No. 476,406; published May 8, 1945.

CLASS 27

Watches. Movado Watch Agency, Inc. 415,227; July 31; Serial No. 479,395; published May 8, 1945.
Watches, watch movements, and parts thereof. Hamilton Watch Company. 203,657; renewed Sept. 22, 1945. O. G. July 31.

CLASS 28

Rings, Finger. E. Schuster. 415,224; July 31; Serial No. 479,310; published May 8, 1945.

CLASS 29

Toothbrushes. A. Drabkin. 415,185; July 31; Serial No. 471,926; published May 1, 1945.

CLASS 30

Tableware, China. Packing Products Company. 415,182; July 31; Serial No. 471,620; published May 8, 1945.

CLASS 32

Beds. Foster Bros. Mfg. Co. 45,483; re-renewed Aug. 22, 1945. O. G. July 31.
Beds. Foster Bros. Mfg. Co. 46,024; re-renewed Sept. 5, 1945. O. G. July 31.
Bed springs. Kinney-Rome Co. 197,165; renewed Apr. 14, 1945. O. G. July 31.
Hammocks of the couch or divan type. B. Altman & Co. 203,647; renewed Sept. 22, 1945. O. G. July 31.

CLASS 33

Glass sheets or plates, Laminated safety. Libbey-Owens-Ford Glass Company. 415,186; July 31; Serial No. 472,283; published May 1, 1945.

CLASS 34

Heaters, Unit. McCord Corporation. 415,281; July 31.
Oil burners, Domestic. Standard Steam Corporation. 196,986; renewed Apr. 7, 1945.

CLASS 35

Asbestos and rubber sheet packing. R. Orlob. 202,737; renewed Sept. 1, 1945. O. G. July 31.
Belting, hose, ashestos and packings and lacing. R. Orlob. 202,736; renewed Sept. 1, 1945. O. G. July 31.
Belting, Rubber. Jeffrey Manufacturing Company. 204,071–2; renewed Oct. 6, 1945. O. G. July 31.
Washers, rubber gaskets and fibre washers, Rubber. Philco Corporation. 415,190; July 31; Serial No. 473,122; published May 8, 1945.

CLASS 36

Mutes for stringed musical instruments. Downy Products Company. 415,235; July 31; Serial No. 479,781; published May 18, 1945.

CLASS 37

Books and writing paper, Blank. National Blank Book Co. 45,601; re-renewed Aug. 22, 1945. O. G. July 31.
Books and writing-paper, Blank. National Blank Book Co. 45,602; re-renewed Aug. 22, 1945. O. G. July 31.
Books and writing-paper, Blank. National Blank Book Co. 45,683; re-renewed Aug. 29, 1945. O. G. July 31.
Fluid, stencils and duplicating paper, Correction. Remington Rand Inc. 415,188; July 31; Serial No. 473,076; published May 8, 1945.
Linings for barrels, bags, drums, and boxes, and for wrapping paper. Arkell Safety Bag Company. 203,674; renewed Sept. 22, 1945. O. G. July 31.
Mountings, Picture. Winthrop-Atkins Co., Inc. 415,284–6; July 31.
Pan-liners. G. Sherman. 202,308; renewed Aug. 18, 1945. O. G. July 31.
Paper. Mutual Paper Co., Inc. 415,231; July 31; Serial No. 479,593; published May 8, 1945.
Paper, air-mail envelopes, painting paper, etc., Air-mail. Agency Paper Company. 415,228; July 31; Serial No. 479,454; published May 8, 1945.
Paper and envelopes, Letter writing. O. Seltzer. 415,210; July 31; Serial No. 478,090; published May 8, 1945.
Paper and envelopes, Writing. Whitehall, Incorporated. 415,249; July 31.
Paper, letterheads, billheads, etc. R. S. Tufts. 415,191; July 31; Serial No. 473,489; published May 8, 1945.
Paper, tablets, envelopes, and cards. Groover-Steward Drug Company. 203,653; renewed Sept. 22, 1945. O. G. July 31.
Paper, Wrapping. John Leslie Paper Company. 202,739; renewed Sept. 1, 1945. O. G. July 31.
Pens and mechanical pencils, Fountain. David Kahn, Inc. 415,223; July 31; Serial No. 479,288; published May 8, 1945.
Stencils, and stencil sheets and stencil paper, Duplicating. A. B. Dick Company. 415,230; July 31; Serial No. 479,507; published May 8, 1945.
Wallpaper. The Firestone Tire & Rubber Company. 415,283; July 31.
Writing-paper, Ledger, bond, linen, bristol-board, and all kinds of. Whiting Paper Company. 46,171; re-renewed Sept. 5, 1945. O. G. July 31.
Writing-paper, Ledger, bond, linen, bristol-board and all kinds of. Whiting Paper Company. 46,440; renewed Sept. 19, 1945. O. G. July 31.

CLASS 38

Newspaper articles, Special. Tribune Company. 201,985; renewed Aug. 11, 1945. O. G. July 31.

CLASS 39

Clothing, Men's and boys'. Abraham & Straus, Inc. 197,020; renewed Apr. 7, 1945. O. G. July 31.
Clothing, Men's. Eagle Clothes. 415,259; July 31.
Coats, suits, etc., Infants', children's, girls', youth's and junior misses'. Marianna Girl Coat Co. 415,265; July 31.
Coats and suits, Women's and misses'. Ellis Coat Co., Inc., The. 415,261; July 31.
Coats, raincoats, suits, Ladies' and misses'. M. & S. Solomon. 415,280; July 31.
Coats, Women's, misses', and girls'. Philip Shlansky & Bro. Inc. 415,245; July 31.
Dresses, blouses, skirts, etc., Ladies', misses', girls' and children's. Everfast Fabrics, Inc. 415,278; July 31.
Dresses, blouses, skirts, Ladies' and misses'. Miller Fabrics Corporation. 415,279; July 31.
Dresses, coats, and accessories, Girls' and misses'. Saks & Company. 415,262; July 31.
Gloves, Men's and women's. C. D. Osborn Company, The. 415,267; July 31.
Hat bodies, Panama hats, gloves, etc., Imported woven straw. Wormser Hat Stores, Inc. 415,272; July 31.
Hose, ladies' dresses, ladies' underwear of knitted fabrics, etc., Ladies' and children's. British Celanese Limited. 197,564; renewed Apr. 21, 1945. O. G. July 31.
Hosiery, Full fashioned silk. Apex Hosiery Company. 203,275; renewed Sept. 15, 1945. O. G. July 31.
Scarfs, Ladies' and misses' vestee. Frolic Dickey Co. 415,274; July 31.
Shirt, jerseys, sweaters, etc., Athletic. Draper-Maynard Company. 199,552; renewed June 9, 1945. O. G. July 31.
Shoes. Florsheim Shoe Company. 202,751; renewed Sept. 1, 1945. O. G. July 31.
Shoes. The John Foote Shoe Company. 415,256; July 31.
Shoes, Men's and women's. Foot Health Shoe Institute, Inc. 415,246; July 31.
Shoes, Men's leather. Florsheim Shoe Company. 203,292; renewed Sept. 15, 1945. O. G. July 31.
Waistbands, Adjustable. Mittelman, Bernstein & Co. 415,263; July 31.
Wearing apparel, Ladies'. The Barbizon Corporation. 415,258; July 31.

CLASS 40

Elastic fabrics, Narrow. United Elastic Corporation. 415,181; July 31; Serial No. 470,949; published May 1, 1945.
Goods stamped for embroidery. C. R. Meissner Co., Inc. 201,994; renewed Aug. 11, 1945. O. G. July 31.

CLASS 42

Cotton, piece goods. Whitney Mfg. Co. 203,667; renewed Sept. 22, 1945. O. G. July 31.

CLASS 43

Threads and yarns. British Celanese Limited. 200,587; renewed July 7, 1945. O. G. July 31.

CLASS 44

Denture cushions. Ezo Products Company. 415,195; July 31; Serial No. 474,278; published May 8, 1945.
Hair waving pads, Machineless permanent. Samuel Bonat & Bro. 415,217; July 31; Serial No. 478,801; published May 8, 1945.
Heaters, spacers, and curlers, Croquignole. H. Cohen. 415,240; July 31; Serial No. 480,740; published May 8, 1945.
Syringes, hypodermic needles, clinical thermometers, and elastic bandages, Hypodermic. Becton, Dickinson & Co. 415,199; July 31; Serial No. 475,888; published May 8, 1945.

CLASS 45

Beverages and syrups, Tonic. Coca-Cola Company. 47,189; re-renewed Oct. 31, 1945. O. G. July 31.

CLASS 46

Bacon, sausage, lard, etc. White Packing Company. 204,025; renewed Oct. 6, 1945. O. G. July 31.
Bread. T. H. Pope. 415,172; July 31; Serial No. 465,210; published May 8, 1945.
Cabbage, Pickled red. Blue Ribbon Foods, Inc. 415,247; July 31.
Candy. De Witt P. Henry Co. 204,052; renewed Oct. 6, 1945. O. G. July 31.
Candy. Pan-American Candy Co. 415,197; July 31; Serial No. 474,961; published May 8, 1945.
Candy. H. C. Olmstead. 415,208; July 31; Serial No. 477,576; published May 8, 1945.
Candy. Mary Ball Candy Kitchen. 415,269; July 31.
Canned fruits and vegetables. Charles E. Moody & Co. 46,848; re-renewed Oct. 10, 1945. O. G. July 31.
Canned salmon. Ideal Smoked Fish Corp. 204,067; renewed Oct. 6, 1945. O. G. July 31.
Chocolates. Glade Candy Co. Inc. 415,213; July 31; Serial No. 478,380; published May 8, 1945.
Cornstarch or corn flour. Corn products Refining Company. 415,175; July 31; Serial No. 467,147; published May 8, 1945.
Emulsion of citrus flavors, Concentrated. Dell Products Corporation. 415,214; July 31; Serial No. 478,502; published May 8, 1945.
Flour. Pillsbury Flour Mills Company. 197,313; renewed Apr. 14, 1945. O. G. July 31.
Flour. Pillsbury Flour Mills Company. 199,499; renewed June 9, 1945. O. G. July 31.
Flour, bread, and cakes, Wheat. Youma (England) Ltd. 197,634; renewed Apr. 21, 1945. O. G. July 31.
Flour, Wheat. Colorado Milling & Elevator Company. 202,936; renewed Sept. 8, 1945. O. G. July 31.
Food for animals, Prepared. American Milling Co. 44,742; re-renewed July 25, 1945. O. G. July 31.
Food for wild birds packed in cups. J. P. Hyde. 415,252; July 31.
Food product, Whole wheat. Aperion Products Company. 415,170; July 31; Serial No. 457,410; published May 8, 1945.
Fruits, Fresh citrous. Escondido Fruit Growers Association. 204,064; renewed Oct. 6, 1945. O. G. July 31.
Hams, bacon, lard, etc. A. Fink & Sons. 204,032; renewed Oct. 6, 1945. O. G. July 31.
Meat sauce. C. W. Ostrom. 415,241; July 31; Serial No. 480,923; published May 8, 1945.
Oats, Rolled. Quaker Oats Company. 203,818; renewed Sept. 29, 1945. O. G. July 31.
Olive oil. Parodi, Erminio & Co. Inc. 203,972; renewed Sept. 29, 1945. O. G. July 31.
Olives, spices; food flavoring extracts, etc., Ripe and green. Daniel Grocery Company. 203,960; renewed Sept. 29, 1945. O. G. July 31.
Peanut butter. Cinderella Foods. 415,238; July 31; Serial No. 480,405; published May 8, 1945.
Potatoes, Leonard, Crosset & Riley. 196,904; renewed Mar. 31, 1945. O. G. July 31.
Sandwich, Chocolate covered peanut butter cracker. Deran Confectionery Co. Inc. 415,229; July 31; Serial No. 479,467; published May 8, 1945.
Sea food, Frozen, canned, salted, fresh, pickled and smoked. Booth Fisheries Corporation. 415,183; July 31; Serial No. 471,655; published May 8, 1945.
Soy flour and soy fat, Controlled blend of defatted. Central Soya Company, Inc. 415,254; July 31.
Soy preparation, Purified powdered. Central Soya Company, Inc. 415,255; July 31.
Tea. Consolidated Tea Company, Inc. 202,703; renewed Sept. 1, 1945. O. G. July 31.
Vegetables, Fresh. L. T. Malone. 415,271; July 31.
Vinegar. Olympia Canning Company. 203,953; renewed Sept. 29, 1945. O. G. July 31.
Vinegar. Olympia Canning Company. 204,000; renewed Oct. 6, 1945. O. G. July 31.
Wheat-flour. Hungarian Milling & Elevator Company. 45,499; re-renewed Aug. 22, 1945. O. G. July 31.

CLASS 47

Champagne or sparkling wine. American Wine Co. 44,662; re-renewed July 18, 1945. O. G. July 31.

CLASS 50

Brooders, portable metal chick fountains, metal poultry feeders and waterers, Metal, etc. Beacon Steel Products Co. 415,282; July 31.
Felts. I. G. Mann Company, Inc. 197,954; renewed Apr. 28, 1945. O. G. July 31.
Manikins. Dritz-Traum Company, Inc. 415,226; July 31; Serial No. 479,379; published May 8, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

General Electric Company: *See*—
Thompson, Edward S., assignor.

Thompson, Edward S., Marblehead, Mass., assignor to General Electric Company. Filter control for aircraft engines and superchargers. Re. 22,656; July 31.

LIST OF DESIGN PATENTEES

A. C. Mfg. Co.: *See*—
Ward, John S., assignor.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Light transmitting member for a lighting fixture. 141,895; July 31.

Bachmann Brothers, Inc.: *See*—
McNeill, A. G., and Olsen, assignors.

Barrett, Alfred L., Staten Island, N. Y. Game board. 141,870; July 31.

Barrett, Alfred L., Staten Island, N. Y. Game board. 141,872; July 31.

Beckemeyer, Edgar G., Columbus, Ohio. Nursing bottle holder. 141,913; July 31.

Benson, Ernest H., Kansas City, Mo. Fluid storage tank. 141,914; July 31.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Washer for meat products or the like. 141,915; July 31.

Bowerman, Martin, Glendale, Calif. Stocking darning last. 141,916; July 31.

Braun, Walter, Los Angeles, Calif. Shoe or similar article. 141,871; July 31.

Brozek, Joseph, Jackson Heights, N. Y. Slide fastener top stop. 141,873; July 31.

Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 141,938; July 31.

Chaplain, Urleene, Los Angeles, Calif. Shoe. 141,896; July 31.

Cressaty, George M., New York, N. Y. Reading lens or the like. 141,874; July 31.

Davis, Harry, Bronx, N. Y. Charm or similar article. 141,897; July 31.

Dumler, Sidney, New York, N. Y. Coat. 141,921; July 31.

Dumler, Sidney, New York, N. Y. Coat. 141,928; July 31.

Eureka Vacuum Cleaner Company: *See*—
Walker, George W., assignor.

Evans, William I., Los Angeles, Calif. Combination stand and service table. 141,920; July 31.

Fibro Container Corporation: *See*—
Olkon, Albert, assignor.

Fravessi-Lamont, Inc.: *See*—
Mendsen, Thelma, assignor.

Friedrich, Edward, San Antonio, Tex. Game table. 141,884; July 31.

Globe Company, The: *See*—
Bilek, Frank J., assignor.

Glukes, Bernard R., Los Angeles, Calif. Knife rack. 141,898; July 31.

Goldbert, Max L., New York, N. Y. Letter opener or similar article. 141,875; July 31.

Goodrich, B. F., Company, The: *See*—
Walker, George W., assignor.

Gruber, Abe, New York, N. Y. Coat. 141,930; July 31.

Gruber, Abe, New York, N. Y. Coat. 141,931; July 31.

Haberman, Meyer, New York, N. Y. Ink well. 141,876; July 31.

Hammond, Robert S., Woodbury, N. J. Grave marker. 141,878; July 31.

Hammond, Robert S., Woodbury, N. J. Grave marker. 141,879; July 31.

Hammond, Willard M., Titusville, N. J. Grave marker. 141,877; July 31.

Hoffmann, Jean F., Los Angeles, Calif. Textile fabric. 141,939; July 31.

Ikelheimer, Irwin M., New York, N. Y. Corner piece for containers. 141,940; July 31.

Jamieson, William, Minneapolis, Minn. Game board. 141,880; July 31.

Jaques, John C., Denison, Tex. Quick-way cable take-up. 141,922; July 31.

Kronatkin, Natalie, Bronx, N. Y. Screen for a doll's house. 141,923; July 31.

Latshaw, Fred F., Altadena, Calif. Food shredder. 141,899; July 31.

Latshaw, Fred F., Altadena, Calif. Food beater. 141,900; July 31.

Lecomowitz, Morris, Philadelphia, Pa. Hobby horse. 141,932; July 31.

Loman, Samuel D., assignor to Products Development, Inc., Chicago, Ill. Leg for a pedestal base. 141,888; July 31.

Loman, Samuel D., assignor to Products Development, Inc., Chicago, Ill. Pedestal base. 141,889; July 31.

Lyon, George A., Allenhurst, N. J. Combined wheel trim ring and hub cap or similar article. 141,901; July 31.

Macksoud, Alice, New York, N. Y. Negligee or similar article. 141,941; July 31.

Marateck, Jacob M., Bronx, N. Y. Combined knife and towel rack. 141,902; July 31.

Mathewson, Kenneth L., Tacoma, Wash. Measuring spoon unit. 141,881; July 31.

Matson, Lawrence A., Dayton, Ohio. Drawing instrument. 141,882; July 31.

Mattessich, Victor, Newark, N. J. Badge or similar article. 141,933; July 31.

McNeill, Albert G., and L. N. Olsen, assignors to Bachmann Brothers, Inc., Philadelphia, Pa. Perpetual calendar. 141,924; July 31.

Mendsen, Thelma, assignor to Fravessi-Lamont, Inc., New York, N. Y. Paper or the like. 141,917; July 31.

Mills, Le Roy G., Bronxville, N. Y. Suggestion cabinet. 141,890; July 31.

Mogabgab, Anice, New York, N. Y. Handkerchief or similar article. 141,903; July 31.

Mogabgab, Anice, New York, N. Y. Handkerchief or similar article. 141,904; July 31.

Mogabgab, Winifred S., New York, N. Y. Handkerchief or similar article. 141,905; July 31.

Nash, Daniel J., New York, N. Y. Billfold or similar article. 141,934; July 31.

Nash, Daniel J., New York, N. Y. Billfold or similar article. 141,935; July 31.

Nash, Daniel J., New York, N. Y. Billfold or similar article. 141,936; July 31.

Nudelman, Eoina, Chicago, Ill. Toy dredge. 141,925; July 31.

Olkon, Albert, St. Paul, assignor to Fibro Container Corporation, Minneapolis, Minn. Child's game table. 141,918; July 31.

Olsen, Lawrence N.: *See*—
McNeill, A. G., and Olsen.

Patent License Corporation: *See*—
Arenberg, Albert L., assignor.

Peterson, Wilbur P., Kansas City, Mo. Handle for saws or like articles. 141,906; July 31.

Philippe, Alfred, Scarsdale, N. Y. Clip or similar article. 141,907; July 31.

Prior, Fred, Dallas, Tex. Fuel tank mounted toolbox for a truck or similar article. 141,908; July 31.

Products Development, Inc.: *See*—
Loman, Samuel D., assignor.

Reis, Louis, New York, N. Y. Combined book, magazine, newspaper rack and smoking stand. 141,942; July 31.

Sewell, William B., Los Angeles, Calif. Game device. 141,883; July 31.

Sly, Le Roy W., Kyburz, Calif. Bicycle. 141,926; July 31.

Sly, Le Roy W., Kyburz, Calif. Tricycle. 141,927; July 31.

Stewart, Florabelle R., Portland, Oreg. Tool bag apron. 141,919; July 31.

Sudbrink, Harold J., Woodside, N. Y. Table lighter. 141,891; July 31.

Sudbrink, Harold J., Woodside, N. Y. Table lighter. 141,892; July 31.

Sudbrink, Harold J., Woodside, N. Y. Table lighter. 141,893; July 31.

Swanson, Donald F., Chicago, Ill. Automatic coffee urn or similar article. 141,943; July 31.

Tamblyn, Gordon M., Denver, Colo. Laundry tongs or the like. 141,909; July 31.

Ulrich, Carl E., Chicago, Ill. Combined pocket comb and holder. 141,920; July 31.

Walker, George W., Detroit, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 141,885; July 31.

Walker, George W., Pleasant Ridge, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner casing or similar article. 141,894; July 31.

Ward, John Shirley, Pasadena, assignor to A. C. Mfg. Co., Van Nuys, Calif. Portable barbecue or similar article. 141,910; July 31.

Wemyss, Robert B., Louisville, Ky. Cigar counter display case. 141,911; July 31.

Wemyss, Robert B., Louisville, Ky. Cigar humidor display case. 141,912; July 31.

Westcamp, Leslie L., Fair Oaks, Calif. Toy. 141,886; July 31.

Wilder, George W., Brookfield, Conn. Night latch. 141,887; July 31.

Wolff, Asher, Brooklyn, N. Y. Combined bottle cap and measuring cup. 141,944; July 31.

Zimmerman, Samuel, New York, N. Y. Coat. 141,937; July 31.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackley, Sherman G., South Gate, Calif. Fire block setter. 2,380,487; July 31.

Adams, Arthur R., Glendale, Calif. Fastener. 2,380,568; July 31.

Air Reduction Company, Incorporated: *See*—
Anderson, James L., assignor.

Aireon Manufacturing Corporation: *See*—
Middleton, Ralph E., assignor.

Aker, Evender S., Belleville, N. J. Sectional journal means for shafts. 2,380,715; July 31.

Alder, Roy F.: *See*—
Downs, Austin H., assignor.

Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Portable container for compressed gases. 2,380,372; July 31.

Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Handling elastic thread and product thereof. 2,380,373; July 31.

Alien Property Custodian: *See*—
Dippel, C. J., Keuning, Verkinderen, and Van Hoestenberghe, assignors.
Junghans, Helmut.
Kämmel, Hugo E.
Nees, Hugo, assignor.
Patin, Albert.
Pedersen, P. H., and Nielsen.
Snoek, J. L., and Alons.
Tiedemann, Hans.
Verkinderen, H., and Vankeirsbilck.
Wascige, Charles R.

Allbaugh, Byron D., Vallejo, Calif. Rotary pump or motor. 2,380,819; July 31.

Allegheny Ludlum Steel Corporation: *See*—
Breeler, W. R., and Butler, assignors.
Touceda, E. G., and De Vries, assignors.

Allen, Chas. G., Company: *See*—
Allen, Clarence M., assignor.

Allen, Clarence M., Gates Mills, Ohio, assignor to C. G. Allen Company, Barre, Mass. Tapping machine. 2,380,387; July 31.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Well head and casing suspension structure. 2,380,388; July 31.

Allen, Philip S., Long Beach, Calif. Automatic photographic apparatus. 2,380,378; July 31.

Alons, Luitje: *See*—
Snoek, J. L., and Alons.

Aluminium Industrie Aktien-Gesellschaft: *See*—
Syz, Werner, assignor.

American Bosch Corporation: *See*—
Nystrom, Carl H., assignor.

American Can Company: *See*—
Heinle, Carl W., assignor.
Hothersall, John M., assignor.
Peters, John F., assignor.

American Cyanamid Company: *See*—
Cook, E. W., and Thomas, assignors.
Jayne, D. W., Jr., and Day, assignors.
Jayne, D. W., Jr., Day and Gieseke, assignors.

American Lead Pencil Company: *See*—
Jueiss, Davis, assignor.

American Locomotive Company: *See*—
Michaels, Hunter, assignor.

American Lumber & Treating Co.: *See*—
Gottschalk, F. W., and Angell, assignors.

American Optical Company: *See*—
Joyce, W. J., and Jackson, assignors.
Tillyer, E. D., Joyce, and Moulton, assignors.

American Rolling Mill Company, The: *See*—
Reed, Eo, assignor.

American Steel Foundries: *See*—
Bachman, Fred E., assignor.
Tack, Carl E., assignor.

Anderson, Carl E., et al.: *See*—
Nelson, Noble A., assignor.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Billet surfacing machine. 2,380,569; July 31.

Anderson, Raymond M., assignor to Evans Products Company, Detroit, Mich. Internal-combustion engine charge forming apparatus. 2,380,374; July 31.

Andrews, Edward D.: *See*—
Alderfer, Sterling W., assignor.

Andrews, Paul D., Schenectady, N. Y., assignor to General Electric Company. Balancing system. 2,380,389; July 31.

Anemostat Corporation of America: *See*—
Serre, M., Hewett, and Schaefer, assignors.

Angell, Herbert W.: *See*—
Gottschalk, F. W., and Angell.

Apex Electric Manufacturing Company, The: *See*—
Frantz, Paul E., assignor.

Argyle, Christopher S., Spondon, near Derby, assignor to British Celanese Limited, London, England. Disazo naphthopyridine dyes. 2,380,488; July 31.

Aro Equipment Corporation, The: *See*—
Fitch, Clifford E., assignor.

Atristain, Martha P., executrix: *See*—
Pimentel, Rafael.

Attwood, Charles W., Wayne, Mich. Table. 2,380,379; July 31.

Autogiro Company of America: *See*—
De la Cierva, Juan, assignor.
Prewitt, Richard H., assignor.

Automatic Equipment Manufacturing Company: *See*—
Heese, Fred L., assignor.

Autoxygen, Inc.: *See*—
Jacobs, Joseph J., assignor.

Automotive Maintenance Machinery Co.: *See*—
Mitchell, Wallace F., assignor.

Axelrod, Solomon, Bronx, N. Y. Garment protecting hanger. 2,380,375; July 31.

Babcock & Wilcox Company, The: *See*—
Poole, Arthur J., assignor.

Babcock, Roger S., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe nozzle. 2,380,570; July 31.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Brake head balancing and attaching means. 2,380,376; July 31.

Bacon, Thomas P., Jr., Oakland, Calif. Tire vulcanizing apparatus. 2,380,380; July 31.

Bailie, James C., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion process. 2,380,489; July 31.

Bakelite Corporation: *See*—
Kline, Harry, assignor.

Baker, Bernard R., Nanuet, assignor to Lederle Laboratories, Inc., New York, N. Y. Water soluble compounds having vitamin K activity. 2,380,716; July 31.

Baker, Calvin A., assignor of one-half to P. Lenik, Detroit, Mich. Driving dog for grinders and the like. 2,380,381; July 31.

Baker, James N., Baltimore County, Md., assignor to The Black and Decker Manufacturing Company. Vacuum cleaner. 2,380,382; July 31.

Baker Perkins Limited: *See*—
Tunley, Allan A. assignor.

Balaban & Katz Corporation: *See*—
Eddy, William C., assignor.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Switch control mechanism. 2,380,491; July 31.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Switch control mechanism. 2,380,492; July 31.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Switch control mechanism. 2,380,493; July 31.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Switch control mechanism. 2,380,494; July 31.

Ballard, Mary H., Chicago, Ill. Buckle. 2,380,383; July 31.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed gearing for aircraft propellers. 2,380,390; July 31.

Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Safety device for catalytic converters. 2,380,495; July 31.

Barber-Colman Company: *See*—
Colman, Howard D., assignor.

Barron, John T., Boston, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Clutch. 2,380,571; July 31.

Barron, John T., Boston, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Disengageable slip clutch. 2,380,572; July 31.

Bastion-Blessing Co., The: *See*—
Buttner, William C., assignor.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Residual hydrocarbon treatment. 2,380,391; July 31.

Battelle Memorial Institute: *See*—
Lorig, Clarence H., assignor.

Baylis, Robert N., Caldwell, assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Ash receiver. 2,380,377; July 31.

Beard, Joseph G., Haddonfield, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,380,496; July 31.

Beasecker, Raymond L., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Apparatus for fabricating plywood structures. 2,380,573; July 31.

Beeh, Louis, Long Meadow, Mass., J. O. Forster, Long Island City, N. Y., and W. E. Meyer, New Haven, Conn., assignors to Bulova Watch Company, New York, N. Y. Fuel injection pump. 2,380,574; July 31.

Begun, Semi J., Cleveland Heights, assignor to Magnetone Inc., Cleveland, Ohio. Magnetic recording and reproducing. 2,380,392; July 31.

Bell, Edward R.: *See*—
Rust, F. F., and Bell.

Bell Telephone Laboratories, Incorporated: *See*—
Clark, J. E., Fay, and Ronci, assignors.
Morton, Edmund R., assignor.

Beltz, Lester L., assignor to Packard Motor Car Company, Detroit, Mich. Apparatus for controlling transmission mechanism. 2,380,717; July 31.

Bendix Aviation Corporation: *See*—
Brown, David H., assignor.
Sawyer, Marc C., assignor.

Bendix-Westinghouse Automotive Air Brake Company: *See*—
Eaton, Wilfred A., assignor.
Turek, Thomas J., assignor.

Bentley Engineering Company Limited, The: *See*—
Brooksby, E., and Deans, assignors.

Berg, Quentin, Detroit, Mich. Auxiliary armor mounting. 2,380,393; July 31.

Berger, Henry G., G. S. Crandall, and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of drying oils. 2,380,394; July 31.

Berkovits, Irene E., New York, N. Y. Manufacture of paper for stencil sheets. 2,380,718; July 31.

Berks County Trust Company: *See*—
Wyllie, Francis O., assignor.

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Sealed package. 2,380,395; July 31.

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Sealed package. 2,380,396; July 31.

Beryllium Corporation, The: *See*—
Donachie, Matthew J., assignor.

Bi-Metallic Products Corporation: *See*—
Buffum, Frank G., assignor.

Black and Decker Manufacturing Company, The: *See*—
Baker, James N., assignor.

Blackman, Irwin N., et al., executors: *See*—
Heller, Alexander G.

Blauvelt, Homer E., deceased, Flushing, N. Y.; T. R. Blauvelt, executrix. Air and fuel supply controlling means for furnaces or the like. 2,380,719; July 31.

Blauvelt, Thelma R., executrix: *See*—
Blauvelt, Homer E.

Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of dehydrated castor oil. 2,380,720; July 31.

Blood Brothers Machine Company: *See*—
Harrington, George R., assignor.

Bocji Corporation: *See*—
Lang, Joseph C., assignor.

Boeing Aircraft Company: *See*—
Christian, J. C., and Seymour, assignors.

Boerstler, Edward W., Watertown, Mass. Apparatus for applying radiant energy. 2,380,682; July 31.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,380,820; July 31.

Bonnell, Leonard S.: *See*—
Murphree, E. V., Voorhies, Bonnell, and Tregre.

Boor, Francis H., Lafayette, Ind., assignor to Fairfield Manufacturing Company. Differential mechanism. 2,380,397; July 31.

Booth, George B., Beaumont, Tex. Roofing shingle or tile. 2,380,398; July 31.

Bound, Harry H., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle frame. 2,380,497; July 31.

Bowers, Roy L.: *See*—
Lauer, C. J., and Bowers.

Bowie, Harry J., Willow Grove, assignor to Fischer & Porter Company, Hatboro, Pa. Flow meter. 2,380,399; July 31.

Boynton, Walter S., Portland, Maine. Method and apparatus for treating vegetables to remove unwanted particles therefrom. 2,380,498; July 31.

Brandon, Howard, et al.: *See*—
Nelson, Noble A., assignor.

Breeler, Walter R., and G. M. Butler, Jr., Fredonia, N. Y., assignors to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Poppet valve and valve seat for internal-combustion engines. 2,380,821; July 31.

Brend, William R., assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for applying plastic coatings. 2,380,499; July 31.

Briggs, Robert E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer. 2,380,384; July 31.

Brigden, Hobart A., Milwaukee, Wis. Fertilizer cartridge. 2,380,721; July 31.

Bristol Company, The: *See*—
Wetherbee, Charles F., assignor.

British Celanese Limited: *See*—
Argyle, Christopher S., assignor.

Brooksby, Ernest and F. E. Deans, assignors to The Bentley Engineering Company Limited, Leicester, England. Knitting machine. 2,380,822; July 31.

Brown, David H., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Hydraulic compensation system. 2,380,575; July 31.

Brown, George R., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making articles. 2,380,722; July 31.

Brown, Henson H., Andover, Mass. Bandage making machine. 2,380,823; July 31.

Brown Instrument Company, The: *See*—
Pearce, Walter H., assignor.

Browning, George L., Jr., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadiene-1,3 hydrocarbons. 2,380,400; July 31.

Browning, George L., Jr., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadiene hydrocarbons. 2,380,401; July 31.

Browning, George L., Jr., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadiene-1,3 hydrocarbons. 2,380,402; July 31.

Browning, George L., Jr., W. D. Stewart, and B. M. G. Zwicker, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of conjugated diene hydrocarbons. 2,380,403; July 31.

Browning, George L., Jr., W. D. Stewart, and B. M. G. Zwicker, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of conjugated diene hydrocarbons. 2,380,404; July 31.

Browning, George L., Jr., W. D. Stewart, and B. M. G. Zwicker, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of conjugated diene hydrocarbons. 2,380,405; July 31.

Brunswick-Balke-Collander Company, The: *See*—
Luth, H. J., Krupnick, and Hansen, assignors.

Buc, Hyym E., and C. W. Muessig, Roselle, N. J., assignors to Standard Oil Development Company. Substitution chlorination of tertiary olefins. 2,380,500; July 31.

Buehl, Russell C., Wilkinsburg, Pa., assignor to the Government of the United States, as represented by the Secretary of the Interior. Production of low sulphur sponge iron. 2,380,406; July 31.

Buffum, Frank G., assignor, by mesne assignments, to Bi-Metallic Products Corporation, Chicago, Ill. Producing ferrous metal articles. 2,380,385; July 31.

Bulova Watch Company: *See*—
Beeh, L., Forster, and Meyer, assignors.

Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,380,407; July 31.

Butler, Gurdon M., Jr.: *See*—
Breeler, W. R., and Butler.

Buttner, William C., Winnetka, assignor to The Bastian-Blessing Co., Chicago, Ill. Cutoff valve. 2,380,576; July 31.

Buxton, Loran O., Belleville, assignor to National Oil Products Company, Harrison, N. J. Treating marine oils. 2,380,408; July 31.

Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Production of vitamin concentrates. 2,380,409; July 31.

Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Fat-soluble vitamin ester concentration process. 2,380,410; July 31.

Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Refining marine oils. 2,380,411; July 31.

Buxton, Loran O., East Orange, assignor to National Oil Products Company, Harrison, N. J. High iodine value oils. 2,380,412; July 31.

Buxton, Loran O., East Orange, assignor to National Oil Products Company, Harrison, N. J. Treatment of animal and vegetable oils. 2,380,413; July 31.

Buxton, Loran O., East Orange, assignor to National Oil Products Company, Harrison, N. J. Fat-soluble vitamin concentration. 2,380,414; July 31.

Byrkit, Gordon D.: *See*—
Lincoln, B. H., and Byrkit.

Calderazzo, Dominick J., Dolgeville, N. Y. Shoe. 2,380,577; July 31.

Cameron Iron Works: *See*—
Allen, Herbert, assignor.

Cantrell, Troy L.: *See*—
Smith, H. G., and Cantrell.

Carlson, Bert G., Erieside, assignor to Jack & Heintz, Inc., Bedford, Ohio. Gyro wheel and driving same. 2,380,578; July 31.

Carlson, Warner W.: *See*—
Stahly, G. L., and Carlson.

Carol, James E., Los Angeles, assignor of forty-six and two-thirds per cent to C. B. Jamison, thirty-three and one-third per cent to C. Mason, and twenty per cent to A. E. Wright, Beverly Hills, Calif. Propeller. 2,380,683; July 31.

Carruthers, Earl R., Hamilton, Mont. Dual wheel and tire lift. 2,380,415; July 31.

Carter, Alfred W.: *See*—
Winteringham, David F., assignor.

Celanese Corporation of America: *See*—
Croft, C. M., and Hindle, assignors.

Certain-Teed Products Corporation: *See*—
Hoggatt, Gilbert A., assignor.

Chamberlain, Joseph W., Zeeland, Mich. Refrigerator. 2,380,901; July 31.

Chemical Developments Corporation: *See*—
Stahly, G. L., and Carlson, assignors.

Christian, John C., and R. T. Seymour, assignors to Boeing Aircraft Company, Seattle, Wash. Bore sighting apparatus. 2,380,501; July 31.

Chrysler Corporation: *See*—
Ball, Thomas M., assignor.
Hicks, H. A., Johnson, and Ross, assignors.
Terry, Rex A., assignor.
Tyken, John G., assignor.

Cipriani, Chester, Toledo, Ohio. Spark plug. 2,380,579; July 31.

Cities Service Oil Company: *See*—
Morgan, J. D., and Levitt, assignors.

Clark, James E., Williston Park, N. Y., C. E. Fay, Chatham, N. J., and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,380,502; July 31.

Cleveland Welding Company, The: *See*—
Bound, Harry H., assignor.

Cole, Gilmoure N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Attachment joint. 2,380,684; July 31.

Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. System of communication. 2,380,894; July 31.

Columbia River Packers Association, Inc.: *See*—
Hendrickson, Jay D., assignor.

Comet Model Airplane & Supply Company: *See*—
Goldberg, Carl, assignor.

Commerce, Government of the United States, represented by the Secretary of: *See*—
Isbell, Horace S., assignor.

Cones, Ben, Indianapolis, Ind. High lift valve. 2,380,631; July 31.

Consolidated Engineering Corporation: *See*—
Hoskins, E. E., and Langmuir, assignors.

Container Corporation of America: *See*—
Forbes, Jerry U., assignor.

Continental Can Company, Inc.: *See*—
Maier, C. E., Flugge, and Pfeffer, assignors.

Control Instrument Company, Inc.: *See*—
Urquhart, Noel, assignor.

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Esters of salicylic acid monosulphide and salts thereof. 2,380,685; July 31.

Cooper, Leon, et al., executors: *See*—
Heller, Alexander G.

Corn Products Refining Company: *See*—
Kerr, Ralph W., assignor.

Cousino, Bernard A., Toledo, Ohio. Projection stand. 2,380,632; July 31.

Crandall, George S.: *See*—
Berger, H. G., Crandall, and Socolofsky.

Crane Packing Company: *See*—
Kopplin, William E., assignor.

Crawford, Robert B. P., Washington, D. C. Air conditioning system. 2,380,386; July 31.

Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Dyeing. 2,380,503; July 31.

Crompton & Knowles Loom Works: *See*—
Palmer, A., and Santon, assignors.
Turner, Richard G., assignor.

Crooks, Earl G., Binghamton, assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y. Wood screw. 2,380,724; July 31.

Cross, Robert C., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Emergency grate. 2,380,630; July 31.

Crowder, George W., Los Angeles, Calif. Cable tool. 2,380,725; July 31.

Crown Zellerbach Corporation: *See*—
Grondona, Charles A., assignor.

Cummins, Walter E., Los Angeles, Calif. Pump jack. 2,380,686; July 31.

Cunningham, Guy C., Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif. Extractive distillation. 2,380,723; July 31.

Dahle, Joseph, West Newton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making stable polyvinyl acetal resins. 2,380,824; July 31.

Daiber, Ome C., Seattle, Wash. Mitten. 2,380,633; July 31.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Chlorinated synthetic rubber. 2,380,726; July 31.

Daniels, Paul J., Milwaukee, Wis. Carpet sweeper. 2,380,634; July 31.

Danielsson, Gösta J. D., Alsten, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Purifying sulphite liquor. 2,380,504; July 31.

Dann, Charles W., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,380,727; July 31.

Davidson, John H., South Haven, assignor to The Dow Chemical Company, Midland, Mich. Plant treatment composition. 2,380,416; July 31.

Day, Harold M.: *See*—
Jayne, D. W., Jr., and Day.
Jayne, D. W., Jr., Day, and Gieseke.

Deans, Frederick E.: *See*—
Brooksby, E., and Deans.

De Baufre, William L., Lincoln, Nebr. Process and apparatus for producing industrial oxygen. 2,380,417; July 31.

Deere & Company: *See*—
Pilcher, Harold W., assignor.

De Groote, August H.: *See*—
Pierce, F. G., and De Groote.

De la Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America. Rotor-equipped aircraft. 2,380,580; July 31.

De la Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America. Aircraft having rotative wings. 2,380,582; July 31.

De la Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America. Aircraft with autorotative wings. 2,380,583; July 31.

De Laval Separator Company, The: *See*—
Danielsson, Gösta J. D., assignor.

De Loe, Paul, assignor to Towne Robinson Nut Company, Detroit, Mich. Nut retainer die and ejector. 2,380,584; July 31.

Demyanovich, George, Coaldale, Pa. Comb. 2,380,730; July 31.

Denham, Robert H., Scotia, N. Y., assignor to General Electric Company. Die for coating fiber-insulated wire. 2,380,728; July 31.

Dentists' Supply Company, The: *See*—
Saffir, Jacob A., assignor.

De Samsonow, Vassily, Ponca City, Okla. Indicating aircraft flight condition. 2,380,635; July 31.

De Vore, Henry B., Newark, N. J., assignor to Radio Corporation of America. Manufacturing mosaic electrodes. 2,380,505; July 31.

De Vries, Ralph P.: *See*—
Touceda, E. G., and De Vries.

De Vry Corporation: *See*—
Ress, Thomas I., assignor.

Diaz, Manuel D., assignor of sixty one-hundredths to A. C. Oquendo, Habana, Cuba. Nonrefillable closure for bottles and like containers. 2,380,825; July 31.

Dippel, Cornelis J., and K. J. Keuning, Eindhoven, Netherlands, H. J. J. Verkinderen, Mortsel, and R. L. H. Van Hoestenberghe, Berchem, Belgium; vested in the Alien Property Custodian. Copyfilms for lenticular sound tracks. 2,380,585; July 31.

Dombrow, Bernard A., New York, N. Y., assignor to National Oil Products Company, Harrison, N. J. Treatment of fat-soluble vitamin-containing materials. 2,380,418; July 31.

Donachie, Matthew J., Holyoke, Mass., assignor to The Beryllium Corporation, New York, N. Y. Surface hardening beryllium copper alloys and articles comprised thereof. 2,380,506; July 31.

Dorfan, Morton I., Pittsburgh, Pa. Flue gas scrubber. 2,380,826; July 31.

Dow Chemical Company, The: *See*—
Davidson, John H., assignor.
Dreisbach, R. R., and Heusted, assignors.
Hanawalt, Joseph D., assignor.
Kirk, Roy C., assignor.
Nelson, C. E., and Holdeman, assignors.

Downs, Austin H., Glen Ridge, N. J., assignor, by mesne assignments, to R. F. Alder, Philadelphia, Pa. Multiple spraying device. 2,380,827; July 31.

Drackett Company, The: *See*—
Fiedler, Stuart O., assignor.

Drake, Leonard C., Wenonah, and J. Herman and E. T. Scafe, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Restoration of catalysts. 2,380,731; July 31.

Draper Corporation: *See*—
Shoesmith, Albert, assignor.

Dreisbach, Robert R., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Production of unsaturated ketones. 2,380,828; July 31.

Drennan, Harry E.: *See*—
Schulze, W. A., Hillyer, and Drennan.

Drumm, Elmer E., Manitowoc, Wis. Electric lantern. 2,380,636; July 31.

Drum, Elmer E., Manitowoc, Wis. Electric lantern. 2,380,637; July 31.

Du Bose, George P.: *See*—
Lea, H. V., Schmidt, and du Bose.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,380,732; July 31.

D'Urbano, Luis, Buenos Aires, Argentina. Device adapted for detachably coupling to eyeglasses for protecting the lenses. 2,380,638; July 31.

Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Hopper construction. 2,380,733; July 31.

Durst, Max, Philadelphia, Pa. Faucet attachment. 2,380,687; July 31.

Eastin, Rollie R., assignor to J. W. Hurley, Detroit, Mich., as trustee. Hydraulic transmission. 2,380,734; July 31.

Eastman Kodak Company: *See*—
Hagemeyer, Hugh J., Jr., assignor.
Richter, George A., assignor.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,380,507; July 31.

Eaves, Ralph E., Westwood, Mass. Eye exercising device. 2,380,508; July 31.

Ebel, William K., Kingsville, and F. J. Pepersack, Towson, assignors to The Glenn L. Martin Company, Middle River, Md. Outlet connection for liquid containing tanks. 2,380,735; July 31.

Ebersol, Amos R., Lancaster, Pa. Rock crusher. 2,380,419; July 31.

Eden, Christopher G., Rickmansworth, England, assignor to General Electric Company. Drilling apparatus. 2,380,736; July 31.

Eddy, William C., Michigan City, Ind., assignor to Balaban & Katz Corporation, Chicago, Ill. Lens mounting. 2,380,829; July 31.

Edison, Thomas A., Incorporated: *See*—
Dann, Charles W., assignor.
Hardy, William A., assignor.
Huenlich, Charles, assignor.

Edison Wood Products, Incorporated: *See*—
Webb, Charles E., assignor.

Elba Trading Corporation: *See*—
Lateiner, Charles, assignor.

Elliott, Daniel S., Middle River, assignor to The Glenn L. Martin Company, Baltimore, Md. Bomb shackle operating mechanism. 2,380,737; July 31.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Dinnerware lining machine. 2,380,509; July 31.

Emerson, William S., Urbana, Ill. Production of secondary and tertiary amines from nitrogen compounds. 2,380,420; July 31.

Engelhardt, Carl F., Yeadon, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,380,421; July 31.

Eppler, Arthur H., Milwaukee, Wis. Sand blasting. 2,380,738; July 31.

Eris, Wilson G., Napoleonville, La., assignor to The Texas Company, New York, N. Y. Production of oil. 2,380,639; July 31.

Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for gaseous fuel burners. 2,380,640; July 31.

Essick, Bryant, Los Angeles, Calif. Cooler. 2,380,586; July 31.

Evans, Lacey H., and L. J. Huber, Minneapolis, Minn., assignors to General Mills, Inc. Producing pectinous gels and composition. 2,380,739; July 31.

Evans Products Company: *See*—
Anderson, Raymond M., assignor.
Gross, Charles, assignor.

Fairfield Manufacturing Company: *See*—
Boor, Francis H., assignor.

Faximile, Inc.: *See*—
Ressler, Hugh C., assignor.
Tribble, William H., assignor.

Fay, Clifford E.: *See*—
Clark, J. E., Fay, and Ronci.

Fenton, Estil I., Long Beach, Calif. Distress signal device for aircraft, etc. 2,380,587; July 31.

Fenwick, Ivy D., Brooklyn, N. Y. Colostomy pan. 2,380,740; July 31.

Fiedler, Stuart O., assignor to The Drackett Company, Cincinnati, Ohio. Skin cleaning composition. 2,380,830; July 31.

Fischer & Porter: *See*—
Bowie, Harry J., assignor.

Fish-Schurman Corporation: *See*—
Yawitz, M., and Suwa, assignors.

Fisher, Frederick E., Scotia, N. Y., assignor to General Electric Company. Method and apparatus for delaminating mica. 2,380,741; July 31.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Servo unit. 2,380,510; July 31.

Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Lamp making apparatus. 2,380,742; July 31.

Flugge, Sylvester L.: *See*—
Maier, C. E., Flugge, and Pfeffer.

Folberth, Frederick G. and W. M., Cleveland, Ohio. Windshield wiper motor. 2,380,511; July 31.

Folberth, William M.: *See*—
Folberth, Frederick G. and W. M.

Folke, Bengt E., Mamaroneck, and H. Winther, Harrington Park, assignors to Nathan Manufacturing Company, New York, N. Y. Wheel flange lubricator. 2,380,743; July 31.

Forbes, Jerry U., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Machine for making multiply boards. 2,380,512; July 31.

Ford, Frank R., Sparkbrook, Birmingham, England. Duplicating machine. 2,380,744; July 31.

Forster, John O.: *See*—
Beeh, L., Forster, and Meyer.

Foster Wheeler Corporation: *See*—
Frisch, Martin, assignor.
Primrose, J., and McCulloch, assignors.

Frank, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand coating apparatus. 2,380,422; July 31.

Frank, Louis, Fellows, Calif. Electric switch plug and socket indicator. 2,380,588; July 31.

Franke, Normal W.: *See*—
Montgomery, C. W., and Franke.

Franklin, Albert W., New York, N. Y. Radio tube socket. 2,380,589; July 31.

Frantz, Paul E., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Clutch. 2,380,590; July 31.

Frantz, Virgil L., Roanoke, Va. Track sander. 2,380,745; July 31.

Freedman, Israel L., Washington, D. C. Coverall. 2,380,423; July 31.

Freevol, Harold, et al.: *See*—
Nelson, Noble A., assignor.

Freiler, Kurt, Los Angeles, Calif. Spool for ribbons and other narrow fabrics. 2,380,641; July 31.

French, Henry C.: *See*—
Meyer, A. F., and French.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of aliphatic conjugated diolefins. 2,380,831; July 31.

Frey, Frederick E., and H. J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company. Decomposition of diolefin monosulphones. 2,380,832; July 31.

Frey, Frederick E., and H. J. Hepp, Bartlesville, Okla., assignors to Phillips Petroleum Company. Decomposition of diolefin mono-sulphones. 2,380,833; July 31.

Friden Calculating Machine Co., Inc.: *See*—
Friden, C. M., and Machado, assignors.

Friden, Carl M., Pleasanton, and A. B. Machado, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Centralizing mechanism. 2,380,642; July 31.

Frisch, Martin, assignor to Foster Wheeler Corporation. New York, N. Y. Vapor generator. 2,380,424; July 31.

Frische, Carl A., Leonia, N. J., and G. N. Hanson, New York, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft automatic pilot with automatic banking. 2,380,425; July 31.

Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of conjugated diene hydrocarbons. 2,380,426; July 31.

Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Amino acids in emulsion polymerization. 2,380,591; July 31.

Gage, Edwin B., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming identification badges. 2,380,746; July 31.

Garabedian, Haig S., Watertown, Mass. Spray nozzle. 2,380,513; July 31.

General Aniline & Film Corporation: *See*—
Kaszuba, Frank J., assignor.

General Electric Company: *See*—
Andrews, Paul D., assignor.
D'Alelio, Gaetano F., assignor.
Denham, Robert H., assignor.
Dunham, George W., assignor.
Eden, Christopher G., assignor.
Fischer, Frederick E., assignor.
Flaws, John, Jr., assignor.
Klerspe, Raymond L., assignor.
Lincks, George F., assignor.
McMahan, Kenton D., assignor.
Moss, Sanford A., assignor.
Owens, Joseph W., assignor.
Rugg, Edward H., assignor.
Strang, Harold E., assignor.
Traver, O. C., and McKenna, assignors.
Walker, Warren R., assignor.
Wheeler, Charles M., assignor.
Woolard, Simon B., assignor.

General Mills, Inc.: *See*—
Evans, L. H., and Huber, assignors.
Schilling, R. M., and Mitchell, assignors.
Waters, Vern S., assignor.

General Motors Corporation: *See*—
Hutchinson, Philip H., assignor.
Lauer, C. J., and Bowers, assignors.
McDougal, Taine G., assignor.
Means, Ralph P., Jr., assignor.
Opitz, William H., assignor.
Schjolin, Hans O., assignor.
Thompson, Earl A., assignor.
Wolfram, William S., assignor.

General Seafoods Corporation: *See*—
Kaufman, Charles W., assignor.

Germeshausen, Kenneth J., Cambridge, Mass. Vibration-translating device. 2,380,514; July 31.

Gerotor May Company: *See*—
Painter, Roy W., assignor.

Gessler, Harry C., Brooklyn, assignor to Medco Products Co., New York, N. Y. Dispenser. 2,380,906; July 31.

Gibb, John A.: *See*—
Lambert, P., Riemenschneider, and Gibb.

Gibbons, Clifford L.: *See*—
Henry, Robert J., assignor.

Gieseke, Elmer W.: *See*—
Jayne, D. W., Jr., Day, and Gieseke.

Gilfillan, Paul M., assignor to Shellmar Products Company. Mount Vernon, Ohio. Joint closure. 2,380,427; July 31.

Gilliam, Oliver F., Evanston, Ill., assignor to Niagara Blower Company, New York, N. Y. Apparatus for smoking and curing foodstuffs. 2,380,428; July 31.

Gits, Joseph A.: *See*—
Gits, Jules P., assignor.

Gits, Jules P., assignor, by mesne assignments, to J. P. and J. A. Gits, Chicago, Ill. Thermoplastic construction. 2,380,515; July 31.

Goetze, Max G., East Cleveland, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,380,747; July 31.

Gold, Henry, and R. Paul, assignors to I. Gold, Chicago, Ill. Pull toy. 2,380,748; July 31.

Gold, Ira: *See*—
Gold, H., and Paul, assignors.

Goldberg, Carl, Chicago, Ill., assignor to Comet Model Airplane & Supply Company, Incorporated. Wind tunnel balance. 2,380,516; July 31.

Goldman, Paul R., Andover, Mass. Wooden building construction. 2,380,834; July 31.

Goodlake, Frederick D., Heth, Ark. Spring wheel. 2,380,749; July 31.

Goodman, Morris, Miami Beach, Fla. Display holder for brooches. 2,380,688; July 31.

Goodrich, B. F., Company, The: *See*—
Browning, George L., Jr., assignor.
Browning, G. L., Jr., Stewart, and Zwicker, assignors.
Fryling, Charles F., assignor.
Schoenfeld, Frank K., assignor.
Semon, Waldo L., assignor.
Semon, W. L., and Stewart, assignors.
Stewart, William D., assignor.
Stewart, W. D., and Zwicker, assignors.

Goodwin, George I., Detroit, Mich. Clutch plate. 2,380,835; July 31.

Goodwin, Thomas F., Muldrow, Okla. Attachment for musical string instruments. 2,380,689; July 31.

Gordon, Herman L., Silver Spring, Md. Piezoelectric crystal holder. 2,380,592; July 31.

Gordon, John, Seattle, Wash. Spring blade reamer. 2,380,517; July 31.

Gore, Lloyd B., Vancouver, British Columbia, Canada. Alarm device for internal-combustion engines. 2,380,643; July 31.

Gottlieb, Manious, Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow control apparatus. 2,380,836; July 31.

Gottschalk, Frederick W., and H. W. Angell, Chicago, Ill. assignors to American Lumber & Treating Co. Kiln drying. 2,380,518; July 31.

Gove, Otis N., and L. L. Miller, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Routing apparatus. 2,380,750; July 31.

Gowland, John P., Woking, England. Apparatus for casting hollow metal articles. 2,380,751; July 31.

Graham, James B., Mount Lebanon, Pa., assignor to National Tube Company. Pipe joint. 2,380,690; July 31.

Gray, Thomas C., Washington, D. C. Motion picture theater. 2,380,837; July 31.

Green, Ernest, Writtle, Chelmsford, England, assignor to Marconi's Wireless Telegraph Co. Ltd. Directional aerial system. 2,380,519; July 31.

Grieb, Benjamin C., Chestnut Hill, Pa. Rotary engine or blower device. 2,380,752; July 31.

Grondona, Charles A., Rye, N. Y., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Mounting rolls in dispensing cabinets. 2,380,644; July 31.

Gross, Charles, assignor to Evans Products Company, Detroit, Mich. Black-out marker light. 2,380,691; July 31.

Gulf Oil Corporation: *See*—
Smith, Herschel G., assignor.
Smith, H. G., and Cantrell, assignors.

Gulf Research & Development Company: *See*—
Montgomery, C. W., and Franke, assignors.

Gunnison, Foster, Louisville, Ky., assignor to Gunnison Homes, Inc. Adjustable building foundation. 2,380,692; July 31.

Gunnison Homes, Inc.: *See*—
Gunnison, Foster, assignor.

Hage, Olof, Goteborg, Sweden. Combination lock. 2,380,645; July 31.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of zein solutions. 2,380,429; July 31.

Hahir, Ward H.: *See*—
Schlage, W. R., and Hahir.

Hahir, Ward H., San Mateo, assignor to Schlage Lock Company, San Francisco, Calif. Wheel contour dresser. 2,380,693; July 31.

Hall, Roy M., Laredo, Tex., assignor of one-half to S. Konaszewski, Brooklyn, N. Y. Piston for internal-combustion engines. 2,380,907; July 31.

Hallock, Eugene D., Buffalo, N. Y., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Clasp. 2,380,430; July 31.

Hamm, Douglas: *See*—
Lane, P. S., and Hamm.

Hanawalt, Joseph D., assignor to The Dow Chemical Company, Midland, Mich. Magnesium base alloy. 2,380,838; July 31.

Hand, William L., Chicago, Ill. Control device for heat exchange system. 2,380,839; July 31.

Hanes, Allen T., Jr., Columbus, Ohio. Tool setting gauge. 2,380,593; July 31.

Hanna, William T., Cincinnati, Ohio. Stoker apparatus. 2,380,840; July 31.

Hannon, Tolbert, San Francisco, Calif. Window locking device. 2,380,694; July 31.

Hansen, Richard H., Jr.: *See*—
Luth, H. J., Krupnick, and Hansen.

Hanson, Gerald N.: *See*—
Frische, C. A., and Hanson.

Härd af Segerstad, Carl G., assignor to Sandvikens Jernverks Aktiebolag, Sandvikens, Sweden. Device in motor saws. 2,380,753; July 31.

Harding, William R., Export, Pa., and L. G. Opel, Hobe Sound, Fla., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dragline control. 2,380,431; July 31.

Hardy, William A., Gillette, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,380,754; July 31.

Harrington, George R., Kalamazoo, assignor to Blood Brothers Machine Company, Allegan, Mich. Flexible coupling. 2,380,646; July 31.

Harrison, Halla M., Portland, Oreg. Typewriter escapement control mechanism. 2,380,432; July 31.

Hartford-Empire Company: *See*—
Berthold, Walter K., assignor.
Ingle, Henry W., assignor.

Hartford National Bank and Trust Company, The: *See*—
Maitland, Cyril E., assignor.

Hartford National Bank and Trust Company, trustee, The: *See*—
Herne, Howard J. L., assignor.

Haskelite Manufacturing Corporation: *See*—
Baesecker, Raymond L., assignor.

Hassler, Gerald L., Altadena, assignor to Shell Development Company, San Francisco, Calif. Borehole indicating apparatus. 2,380,520; July 31.

Hattan, Mark, Dayton, Ohio. Tensiometer. 2,380,433; July 31.

Haug, Eugene H., Glencoe, assignor to La Salle National Bank, Chicago, Ill., as trustee. Electric regulating apparatus. 2,380,521; July 31.

Haug, Eugene H., Glencoe, assignor to La Salle National Bank, Chicago, Ill., as trustee. Power factor controlling apparatus. 2,380,522; July 31.

Hayes Industries, Inc.: *See*—
Hollerith, Charles, assignor.

Heckathorn, Loyd, Garden Grove, assignor to H. B. and S. Rapp, Santa Ana, Calif., co-partners doing business as Towner Manufacturing Co. Implement construction. 2,380,594; July 31.

Heckethorn, John E., Littleton, Colo. Threading and testing machine. 2,380,841; July 31.

Heese, Fred L., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Animal-scratching device. 2,380,842; July 31.

Heese, Fred L., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Animal-scratching device. 2,380,843; July 31.

Heese, Fred L., assignor to Automatic Equipment Manufacturing Company, Pender, Nebr. Animal-scratching device. 2,380,844; July 31.

Heil Co., The: *See*—
Meyer, A. F., and French, assignors.

Heinle, Carl W., East Orange, N. J., assignor to American Can Company, New York, N. Y. Liquid filling machine. 2,380,434; July 31.

Heller, Alexander G., New York, and A. Heller, I. N. Blackman, and L. Cooper, executors of the estate of A. G. Heller, deceased, assignors to Insuline Corporation of America, Inc., Long Island City, N. Y. Pin jack for multiple plug-in connectors. 2,380,908; July 31.

Heller, Anne, et al., executors: *See*—
Heller, Alexander G.

Heltzel, John N., Warren, Ohio. Combination road building machine and concrete spreader. 2,380,435; July 31.

Henderson, John L., Warrensville, Ohio. Gate valve. 2,380,647; July 31.

Hendrickson, Jay D., assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Rotary fish skinner. 2,380,755; July 31.

Henry, Robert J., assignor of fifty per cent to C. L. Gibbons, Malden, Mo. Pool table attachment. 2,380,756; July 31.

Henschel, Leopold O.: *See*—
Trostler, F., Skelton, and Henschel.

Hepp, Harold J.: *See*—
Frey, F. E., and Hepp.

Hepperle, Erwin: *See*—
Lippert, H., and Hepperle.

Herman, John: *See*—
Drake, L. C., Herman, and Scafe.

Herne, Howard J. L., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube. 2,380,757; July 31.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal machine and driving system therefor. 2,380,595; July 31.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Torque control hydraulic clutch or coupling. 2,380,596; July 31.

Hess, Willis C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve. 2,380,597; July 31.

Heusted, George B.: *See*—
Dreisbach, R. R., and Heusted.

Hewett, John B.: *See*—
Serre, M., Hewett, and Schaefer.

Hicks, Harold A., Detroit, I. E. Johnson, Huntington Woods, and A. W. Ross, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Vehicle body structure. 2,380,523; July 31.

Hillyer, John C.: *See*—
Schulze, W. A., Hillyer, and Drennan.

Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of aliphatic ethers. 2,380,524; July 31.

Hindle, Walter H.: *See*—
Croft, C. M., and Hindle.

Hirmann, Julius, Hillside, N. J., assignor to Radio Corporation of America. Filamentary cathode and manufacture. 2,380,525; July 31.

Hite, Jess L., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Collet jaw protector. 2,380,648; July 31.

Hoagland, Reginald W., Detroit, Mich., assignor, by mesne assignments, to Industrial Rayon Corporation. Cage for rayon or the like. 2,380,526; July 31.

Hoffmann-La Roche Inc.: *See*—
Warnat, Kurt, assignor.

Hoggatt, Gilbert A., Winnetka, assignor to Certain-Teed Products Corporation, Chicago, Ill. Apparatus for forming sheets from plastic material. 2,380,527; July 31.

Hohl, George I., East Orange, N. J. Carton closing mechanism. 2,380,758; July 31.

Holdeman, Graydon E.: *See*—
Nelson, C. E., and Holdeman.

Holding Intercito: *See*—
Klopfer, Karl, assignor.

Holdman, Robert E., Portland, Oreg. Level indicator and recorder for molten glass. 2,380,436; July 31.

Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Wheel rim flange and fairing assembly. 2,380,649; July 31.

Holm, Carl B., Roslags-Nasby, Sweden. Regulating nozzle for vaporizing burners. 2,380,759; July 31.

Homrighausen, William F., Monterey Park, Calif. Seat attachment for crutches. 2,380,437; July 31.

Hornickel, Herman C., Fair Haven, N. J. Microphone circuit. 2,380,438; July 31.

Hoskins, Edmund E., and R. V. Langmuir, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,380,439; July 31.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Making fiber container parts. 2,380,440; July 31.

Houdry Process Corporation: *See*—
Bates, John R., assignor.

Howard, Styles T., Jeffersonville, Ind. Folding support. 2,380,441; July 31.

Howlett, John W., assignor to Wellworthy Piston Rings Limited, London, England. Machine for cutting tubular members into rings. 2,380,695; July 31.

Huber, Louis J.: *See*—
Evans, L. H., and Huber.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Sound modifier. 2,380,845; July 31.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbon oil. 2,380,760; July 31.

Hurley, John W., trustee: *See*—
Eastin, Rollie R., assignor.

Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,380,761; July 31.

Hydraulic Development Corp. Inc., The: *See*—
Tucker, Warren R., assignor.
Waldie, George A., assignor.

Immel, Ralph B., and R. T. Kintzing, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current energized contactor. 2,380,442; July 31.

Imperial Chemical Industries Limited: *See*—
Walters, Oswald H., assignor.

Industrial Brownhoist Corporation: *See*—
Terrill, Franklin E., assignor.

Industrial Patents Corporation: *See*—
Newton, Lowell R., assignor.
Walter, Charles T., assignor.

Industrial Rayon Corporation: *See*—
Hoagland, Reginald W., assignor.

Ingle, Henry W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Closure hold-down spring clamp for packing jars. 2,380,443; July 31.

Insuline Corporation of America, Inc.: *See*—
Heller, Alexander G., assignor.

Interior, Government of the United States, as represented by the Secretary of the: *See*—
Buehl, Russell C., assignor.

International Cigar Machinery Company: *See*—
Durning, James P., assignor.

International Detrola Corporation: *See*—
Tyson, Levi D., assignor.

Isbell, Horace S., Washington, D. C., assignor to Government of the United States, represented by the Secretary of Commerce. Chemical process and product. 2,380,444; July 31.

Jabelmann, Otto, deceased, Omaha, Nebr.; T. R. Jabelmann, administratrix. Railway car. 2,380,528; July 31.

Jabelmann, Teresa R., administratrix: *See*—
Jabelmann, Otto.

Jack & Heintz, Inc.: *See*—
Carlson, Bert G., assignor.

Jackson, Diana M., New York, N. Y., now by marriage D. M. Laylin. Combination garment and carrying bag. 2,380,909; July 31.

Jackson, George W.: *See*—
Joyce, W. J., and Jackson.

Jackson, Ralph G., Woodbury, N. J. Manufacture of sheet material. 2,380,762; July 31.

Jacobs, Joseph J., assignor to Autoxygen, Inc., New York, N. Y. Continuous saponification process. 2,380,650; July 31.

James, Lawrence H., Silver Spring, Md. Sterilizing. 2,380,696; July 31.

Jamison, C. Bland, et al.: *See*—
Carol, James E., assignor.

Jarman, Vincent G., Watchung, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,380,529; July 31.

Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Carboxylic acid esters of s-alkyloi isothioureas. 2,380,697; July 31.

Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. W. Gieseke, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,380,698; July 31.

Jeffery, Harold T., Wilmette, Ill., assignor to Yeomans Brothers Company. Pneumatic ejector. 2,380,651; July 31.

Jeffrey Manufacturing Company, The: *See*—
Briggs, Robert E., assignor.

Jenkins, Alexander: *See*—
Thompson, L. E., and Jenkins.

Jepson, Percy, Oakland, assignor to Pacific Machinery Company, San Francisco, Calif. Continuous peach pitter. 2,380,530; July 31.

Johnson, Albert L., and S. A. Kraft, assignors to Johnson Power-On Transmission Corporation, St. Paul, Minn. Clutch device. 2,380,445; July 31.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable cowl fastener. 2,380,895; July 31.

Johnson, Ira E.: *See*—
Hicks, H. A., Johnson, and Ross.

Johnson Power-On Transmission Corporation: *See*—
Johnson, A. L., and Kraft, assignors.

Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Lubricant. 2,380,531; July 31.

Jongeneel, Albert M., et al.: *See*—
Lea, H. V., Schmidt, and du Bose, assignors.

Jorgenson, John P., Wilmette, and A. G. Kling, assignors to Kling Bros. Engineering Works, Chicago, Ill. Tumbler. 2,380,652; July 31.

Josepho, Aron M., New York, N. Y. Pocket calculating machine. 2,380,846; July 31.

Joyce, William J.: *See*—
Tillyer, E. D., Joyce, and Moulton.

Joyce, William J., and G. W. Jackson, assignors to American Optical Company, Southbridge, Mass. Machine for generating curved surfaces. 2,380,446; July 31.

Juelss, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Feed for fountain pens. 2,380,763; July 31.

Jungersen, Thoger G., Summit, N. J. Optical reflecting material. 2,380,447; July 31.

Junghans, Helmut, Schramberg-Sulgen, Eckenhof, Germany; vested in the Alien Property Custodian. Fuse. 2,380,764; July 31.

Kaiser Cargo, Inc.: *See*—
McMullen, Robert L., assignor.

Kämmel, Hugo E., Zella-Mehlis, Germany; vested in the Alien Property Custodian. Mechanism for controlling total and subtotal taking operations for typewriting calculating machines. 2,380,598; July 31.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing mixed polycarboxylic acid esters of cellulose. 2,380,896; July 31.

Katzen, Raphael, Brooklyn, N. Y., assignor to Northwood Chemical Company, Phelps, Wis. Lignin and production. 2,380,448; July 31.

Kaufman, Charles W., Hasbrouck Heights, N. J., assignor to General Seafoods Corporation, Boston, Mass. Producing oil from oil-bearing materials. 2,380,847; July 31.

Keith, Glenn, East Detroit, Mich. Brake system for connected vehicles. 2,380,765; July 31.

Kerr, Ralph W., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Preparation of modified starch product. 2,380,848; July 31.

Keuning, Klaas J.: *See*—
Dippel, C. J., Keuning, Verkinderen, and Van Hoestenberghe, assignors.

Kierspe, Raymond L., Fort Wayne, Ind., assignor to General Electric Company. Die for coating ribbon wire. 2,380,729; July 31.

Kingston, Arthur C., et al.: *See*—
Young, William D., assignor.

Kinney Manufacturing Company: *See*—
Barron, John T., assignor.

Kintzing, Reese T.: *See*—
Immel, R. B., and Kintzing.

Kirk, Roy C., assignor to The Dow Chemical Company, Midland, Mich. Production of magnesium. 2,380,449; July 31.

Kline, Harry, North Plainfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Plasticized resin compositions. 2,380,599; July 31.

Kling, Alfred G.: *See*—
Jorgenson, J. P., and Kling.

Kling Bros. Engineering Works: *See*—
Jorgenson, J. P., and Kling, assignors.

Klopfer, Karl, Zurich-Oerlikon, assignor to the firm Holding Intercito, Zürich, Switzerland. Electrode feeding appliance. 2,380,450; July 31.

Koebel, Charles J., Grosse Pointe, assignor to Koebel Diamond Tool Company, Detroit, Mich. Disk diamond dressing tool. 2,380,451; July 31.

Koebel Diamond Tool Company: *See*—
Koebel, Charles J., assignor.

Koenig, Werner, Lucerne, Switzerland, assignor to Landis & Gyr, A. G. Remote-control plant. 2,380,766; July 31.

Koether, Emil A., Baltimore, Md., assignor by mesne assignments to Koppers Company, Inc. Piston ring. 2,380,767; July 31.

Kohler, Henry F., Baytown, Tex., assignor to Standard Oil Development Company. Separation of mono- and di-alkyl esters of sulphuric acid. 2,380,532; July 31.

Kohout, George A., Chicago, Ill. Furnace grate. 2,380,452; July 31.

Kolb, John W., De Kalb, Tex. Antiglare headlight. 2,380,849; July 31.

Konaszewski, Stanley: *See*—
Hall, Roy M., assignor.

Koonz, John C.: *See*—
Quinnell, La V., and Koonz.

Koppers Company, Inc.: *See*—
Koether, Emil A., assignor.

Kopplin, William E., assignor to Crane Packing Company, Chicago, Ill. Removing fins from molded products. 2,380,653; July 31.

Kraft, Selmer A.: *See*—
Johnson, A. L., and Kraft.

Krimsky, Emanuel, Brooklyn, N. Y. Binocular instrument. 2,380,850; July 31.

Krupnick, Sydney R.: *See*—
Luth, H. J., Krupnick, and Hansen.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Mono-alkenyl-succinic acid mono ester salts. 2,380,699; July 31.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Magnetic contact. 2,380,851; July 31.

Lambert, Pierre, New Rochelle, R. H. Riemenschneider, Pleasantville, and J. A. Gibb, Northport, assignors to The Lummus Company, New York, N. Y. Fractionating plate construction. 2,380,852; July 31.

Landis & Gyr, A. G.: *See*—
Koenig, Werner, assignor.

Lane, Paul S., and D. Hamm, assignors to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring manufacture. 2,380,654; July 31.

Lane-Wells Company: *See*—
Quintrell, Harry J., assignor.

Lang, Joseph C., Pittsburgh, Pa., assignor to Bocjl Corporation. Staple and stapling. 2,380,655; July 31.

Langlois, Harry F., et al.: *See*—
McKay, William R., assignor.

Langlois, Herbert N., et al.: *See*—
McKay, William R., assignor.

Langmuir, Robert V.: *See*—
Hoskins, E. E., and Langmuir.

LaSalle National Bank, trustee: *See*—
Haug, Eugene H., assignor.

Lasar, William, Huntington Park, Calif. Meat cutting machine. 2,380,700; July 31.

Lateiner, Charles, New Rochelle, assignor to Elba Trading Corporation, Brooklyn, N. Y. Camera construction. 2,380,453; July 31.

Lauer, Carleton J., and R. L. Bowers, Flint, assignors to General Motors Corporation, Detroit, Mich. Fuel pump. 2,380,656; July 31.

Laughlin, Homer, China Company, The: *See*—
Emerson, Walter H., assignor.

Lawson, Robert H., Lakeport, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitted fabric with elastic selvage. 2,380,768; July 31.

Lawton, C. A., Company, The: *See*—
Witbro, Alexander W., assignor.

Lea, Henry V., and L. W. Schmidt, Rio Vista, and G. P. du Bose, Stockton, Calif., assignors of twenty-one and one-fourth per cent to C. A. Loucks, thirty-six and one-fourth per cent to L. K. Schmidt, twenty-one and one-fourth per cent to A. M. Jongeneel and twenty-one and one-fourth per cent to said du Bose. Leaf cutting attachment for beet harvesters. 2,380,701; July 31.

Lebrecht, Carl E., San Antonio, Tex. Dispensing device. 2,380,533; July 31.

Lederle Laboratories, Inc.: *See*—
Baker, Bernard R., assignor.

Lenik, Peter: *See*—
Baker, Calvin A., assignor.

Lestershire Spool and Manufacturing Company: *See*—
Crooks, Earl G., assignor.

Levitt, Percy B.: *See*—
Morgan, J. D., and Levitt.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Reclosing circuit-interrupting device. 2,380,769; July 31.

Lincoln, Bert H., Ponca City, Okla., and G. D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,380,454; July 31.

Linn, Norman F., Mountainside, and C. O. Tongberg, Westfield, N. J., assignors to Standard Oil Development Company. Producing aromatic hydrocarbons. 2,380,853; July 31.

Lippert, Hanns, and E. Hepperle, Zurich, Switzerland. Automatic firearm. 2,380,455; July 31.

Lock Joint Pipe Company: *See*—
Brend, William R., assignor.

Lockhart, Marshall L., Detroit, Mich. Hypodermic injector. 2,380,534; July 31.

Loewenstein, Jacob, New York, N. Y. Building construction. 2,380,600; July 31.

Lorber, Charles, Louisville, Ky. Self-quiz test device. 2,380,657; July 31.

Lord Manufacturing Company: *See*—
Strachovsky, Nikita B., assignor.

Lorig, Clarence H., assignor to Battelle Memorial Institute, Columbus, Ohio. Valve element. 2,380,854; July 31.

Loucks, Claude A., et al.: *See*—
Lea, H. V., Schmidt, and du Bose, assignors.

Lower, Melvin S., Ravenna, Ohio. Scraper. 2,380,855; July 31.

Lubri-Zol Development Corporation, The: *See*—
Lincoln, B. H., and Byrkit, assignors.

Lummus Company, The: *See*—
Lambert, P., Riemenschneider, and Gibb, assignors.

Luth, Harold J., S. R. Krupnick, and R. H. Hansen, Jr., Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin setter. 2,380,601; July 31.

Machado, Antnony B.: *See*—
Friden, C. M., and Machado.

Machine Products Corporation: *See*—
Miller, Clarence H., assignor.

Magnavox Company, The: *See*—
Quinnell, La V. E., and Koonz, assignors.

Magnetone Inc.: *See*—
Begun, Semi J., assignor.

Maier, Curtis E., S. L. Flugge, and E. C. Pfeffer, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Providing protective and decorative lacquers and coatings. 2,380,456; July 31.

Maitland, Cyril E., Harrow, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn. Electric condenser. 2,380,774; July 31.

Marconi's Wireless Telegraph Co. Ltd.: *See*—
Green, Ernest, assignor.

Marsilius, Newman M., Trumbull, Conn. Clamping fixture. 2,380,661; July 31.

Marsilius, Newman M., Bridgeport, Conn. Milling machine. 2,380,859; July 31.

Martin, Glenn L., Company, The: *See*—
Ebel, W. K., and Pepersack, assignors.
Elliott, Daniel S., assignor.

Mason, Collins, et al.: *See*—
Carol, James E., assignor.

Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic control means. 2,380,457; July 31.

McCleary, Rush F., and J. R. Morris, Beacon, assignors to The Texas Company, New York, N. Y. Composition of matter. 2,380,658; July 31.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,380,602; July 31.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McCulloch, Charles E.: *See*—
Primrose, John, assignor.

McDevitt, James E., Brooklyn, N. Y. Aircraft. 2,380,535; July 31.

McDonald, Hector M., Meeniyan, Gippsland, Australia. Apparatus for filling containers with milk and other liquids. 2,380,771; July 31.

McDonough, Charles J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Variable condenser. 2,380,603; July 31.

McDougal, Taine G., Flint, assignor to General Motors Corporation, Detroit, Mich. Processing machine. 2,380,659; July 31.

McFadden, James B., assignor to United Dairy Equipment Company, West Chester, Pa. Homogenizer. 2,380,856; July 31.

McFadden, James B., assignor to United Dairy Equipment Company, West Chester, Pa. Homogenizer. 2,380,857; July 31.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Vibration damper. 2,380,770; July 31.

McIntyre, Frederick W., assignor to Reed-Prentice Corporation, Worcester, Mass. Feed for plastic molding machines. 2,380,536; July 31.

McKay, William R., Compton, assignor of one-half to H. F. and H. N. Langlois, Los Angeles, Calif. Fluid clutch. 2,380,660; July 31.

McKenna, George W.: *See*—
Traver, O. C., and McKenna.

McMahan, Kenton D., Scotia, N. Y., assignor to General Electric Company. Centrifugal compressor. 2,380,772; July 31.

McMahon, Jerome B., Wilmette, assignor to Republic Flow Meters Company, Chicago, Ill. Control apparatus. 2,380,858; July 31.

McMechan, Maurice H., assignor to Western Products Company, Inc., Yakima, Wash. Refrigeration. 2,380,537; July 31.

McMullen, Robert L., Trenton, N. J., assignor to Kaiser Cargo, Inc., Bristol, Pa. Gun assembly. 2,380,773; July 31.

Means, Ralph P., Jr., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Ball bearing screw and nut gear. 2,380,662; July 31.

Medco Products Co.: *See*—
Gessler, Harry C., assignor.

Melton, Clarence C., Kansas City, assignor to Transcontinental & Western Air, Inc., North Kansas City, Mo. Cleaning apparatus for oil coolers. 2,380,604; July 31.

Merck & Co., Inc.: *See*—
Stiller, Eric T., assignor.

Meredith, Frederick W., London, England, assignor to S. Smith & Sons (England) Limited. Bottom-heavy gyroscope. 2,380,538; July 31.

Merrell, Wm. S., Company, The: *See*—
Shelton, Robert S., assignor.

Metzger, Alfred R., Bald Eagle, Minn. Air deflector for automobiles and making the same. 2,380,860; July 31.

Meyer, Arnold F., Pewaukee, and H. C. French, Elm Grove, assignors to The Heil Co., Milwaukee, Wis. Truck body and subframe construction. 2,380,861; July 31.

Meyer, Hans, Twickenham, England. Compound fabrics and producing the same. 2,380,775; July 31.

Meyer, Wolfgang E.: *See*—
Beeh, L., Forster, and Meyer.

Michaels, Hunter, assignor to American Locomotive Company, New York, N. Y. Rotatable structure. 2,380,862; July 31.

Middleton, Ralph E., North Hollywood, Calif., assignor to Aireon Manufacturing Corporation. Simplified brake valve. 2,380,663; July 31.

Miller, Bernard M., Sheffield, England. Sharpening instrument. 2,380,539; July 31.

Miller, Clarence H., assignor to Machine Products Corporation, Detroit, Mich. Layout fixture. 2,380,664; July 31.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gear construction. 2,380,776; July 31.

Miller, Lloyd L.: *See*—
Gove, O. N., and Miller.

Mishawaka Rubber & Woolen Manufacturing Company: *See*—
Pierce, F. G., and De Groote, assignors.

Mitchell, George J.: *See*—
Schilling, R. M., and Mitchell.

Mitchell & Smith, Inc.: *See*—
Savidge, Clinton L., assignor.

Mitchell, Wallace F., Chicago, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Cylinder ridge reamer. 2,380,605; July 31.

Mollenhauer, Herman W., Toddville, Iowa. Automatic area control propeller. 2,380,540; July 31.

Monsanto Chemical Company: *See*—
Dahle, Joseph, assignor.
Kyrides, Lucas P., assignor.

Montgomery, Charles W., Oakmont, and N. W. Franke, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Aluminum chloride catalyst. 2,380,703; July 31.

Moody, Lewis F., Princeton, N. J. Method and apparatus for regulating the head and capacity of centrifugal pumps. 2,380,606; July 31.

Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Motor fuel knock rating. 2,380,704; July 31.

Morris, Claremont R., New York, N. Y. Shower fixture. 2,380,665; July 31.

Morris, John R.: *See*—
McCleary, R. F., and Morris.

Morrison, Montford, Upper Montclair, N. J. Telegraph signal transmission system. 2,380,666; July 31.

Morrison, Montford, Upper Montclair, N. J. Signal modulation means. 2,380,667; July 31.

Morrison, Montford, Upper Montclair, N. J. Arc-welding converter. 2,380,668; July 31.

Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,380,541; July 31.

Morway, Arnold J.: *See*—
Zimmer, J. C., and Morway.

Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Turbosupercharger system. 2,380,777; July 31.

Moulton, Harold R.: *See*—
Tillyer, E. D., Joyce, and Moulton.

Mowrey, Lester D., Wichita Falls, Tex. Well anchor. 2,380,669; July 31.

Muessig, Clifford W.: *See*—
Buc, H. E., and Muessig.

Murdock, Jesse M., Detroit, Mich. Internal-combustion engine. 2,380,778; July 31.

Murphree, Eger V., Summit, N. J., A. Voorhies, Jr., Baton Rouge, La., L. S. Bonnell, Westfield, N. J., and L. S. Tregre, Baton Rouge, La., assignors, by mesne assignments, to Standard Catalytic Company. Processing hydrocarbon oils. 2,380,897; July 31.

Muskegon Piston Ring Company: *See*—
Lane, P. S., and Hamm, assignors.

Nathan Manufacturing Company: *See*—
Folke, B. E., and Winther, assignors.

National Automatic Tool Company, The: *See*—
Schafer, R. A., and Rodal, assignors.

National Lock Company: *See*—
Ostrom, Martin, assignor.

National Oil Products Company: *See*—
Buxton, Loran O., assignor.
Dombrow, Bernard A., assignor.

National Tube Company: *See*—
Graham, James B., assignor.

Nees, Gordon S., Fort Worth, and R. B. Perkins, Jr., Houston, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Desalting mineral oil. 2,380,458; July 31.

Nees, Hugo, Frankfort-on-Main, Germany; vested in the Alien Property Custodian. Preparing sodium perborate of low bulk density. 2,380,779; July 31.

Nelson, Charles E., and G. E. Holdeman, assignors to The Dow Chemical Company, Midland, Mich. Improving magnesium-base alloys. 2,380,863; July 31.

Nelson, Noble A., Chicago, Ill., assignor of one-fifth to H. Freevol, one-fifth to S. Smedberg, one-fifth to H. Brandon, and one-fifth to C. E. Anderson. Fishing reel. 2,380,670; July 31.

Nelson, Noble A., Chicago, Ill., assignor of one-fifth to H. Freevol, one-fifth to S. Smedberg, one-fifth to H. Brandon, and one-fifth to C. E. Anderson. Fishing reel. 2,380,671; July 31.

New Products Corporation: *See*—
Banker, Oscar H., assignor.

Newton, Lowell R., assignor to Industrial Patents Corporation, Chicago, Ill. Shaking and conveying machine. 2,380,910; July 31.

Niagara Blower Company: *See*—
Gilliam, Oliver F., assignor.

Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,380,864; July 31.

Nielsen, Herman: *See*—
Pedersen, P. H., and Nielsen, assignors.

Niesemann, Fritz, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Gas pressure regulator. 2,380,459; July 31.

Nolde, George V., Berkeley, Calif. Synchronizing and phasing system. 2,380,542; July 31.

North, William B., East Orange, N. J. Building construction. 2,380,460; July 31.

Northwood Chemical Company: *See*—
Katzen, Raphael, assignor.

Novak, Mary E., Chicago, Ill. Booklet binder. 2,380,780; July 31.

Nystrom, Carl H., assignor to American Bosch Corporation, Springfield, Mass. Fluid pump. 2,380,607; July 31.

Olson, Waldemar N., Brookfield, Ill., assignor to Reynolds Electric Co., Chicago, Ill. Electric circuit. 2,380,865; July 31.

Opel, Lawrence G.: *See*—
Harding, W. R., and Opel.

Opitz, William H., Palos Heights, Ill., assignor to General Motors Corporation, Detroit, Mich. Flexible coupling. 2,380,672; July 31.

Oquendo, Alberto C.: *See*—
Diaz, Manuel D., assignor.

Osborne, Alfred, Pittsburgh, Pa. Sheet metal lagging tool. 2,380,781; July 31.

Osborne, Fred H.: *See*—
Von Stoeser, W., and Osborne.

Ostrom, Martin, assignor to National Lock Company, Rockford, Ill. Latch. 2,380,543; July 31.

Overbeke, John W., assignor to Simmonds Aerocessories, Inc., New York, N. Y. Bladder stiffener. 2,380,866; July 31.

Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Housing for electric apparatus. 2,380,782; July 31.

Pacific Machinery Company: *See*—
Jepson, Percy, assignor.

Packard Motor Car Company: *See*—
Beltz, Lester L., assignor.
McFarland, Forest R., assignor.

Packer, Oscar W., Reading, assignor to The Sanborn Company, Cambridge, Mass. Shaft aligning apparatus. 2,380,867; July 31.

Painter, Roy W., Detroit, Mich., assignor to Gerotor May Company, Baltimore, Md. Pump structure. 2,380,783; July 31.

Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Control valve. 2,380,608; July 31.

Palmer, Albert, and E. A. Santon, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing, pick-and-pick, filling mixing loom. 2,380,544; July 31.

Pan American Refining Corporation: *See*—
Wadsworth, Francis T., assignor.

Pankow, Edmund G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water heating apparatus. 2,380,545; July 31.

Parke, Davis & Company: *See*—
Wagner, Romeo B., assignor.

Pastore, Adam, Bridgeport, Conn. Valve stem silencer. 2,380,673; July 31.

Patin, Albert, Berlin, Germany; vested in the Alien Property Custodian. Electric controlling system. 2,380,784; July 31.

Patterson, Wilbur I., and M. B. Williamson, Chagrin Falls, Ohio, assignors to S. M. A. Corporation, Chicago, Ill. Antioxidants. 2,380,546; July 31.

Paul, Raymond: *See*—
Gold, H., and Paul.

Pearce, Walter H., North Hills, assignor to The Brown Instrument Company, Philadelphia, Pa. Galvanometer. 2,380,609; July 31.

Pedersen, Peter H., Copenhagen, and H. Nielsen, Buddinge Pr. Soborg, Denmark; vested in the Alien Property Custodian. Safety-razors with a comb member cooperating with one or more cutters. 2,380,461; July 31.

Pepersack, Francis J.: *See*—
Ebel, W. K., and Pepersack.

Percoco, Richard A., Mamaroneck, N. Y. Stapling machine. 2,380,785; July 31.

Percoco, Richard A., Mamaroneck, N. Y. Staple. 2,380,786; July 31.

Perkins, Roderick B., Jr.: *See*—
Nees, G. S., and Perkins.

Persons, Merle C., Fort Sill, Okla. Airplane mooring appliance. 2,380,702; July 31.

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can body necking-in machine. 2,380,462; July 31.

Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Folding tripod. 2,380,911; July 31.

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency measuring system. 2,380,868; July 31.

Petrolite Corporation, Ltd.: *See*—
Nees, G. S., and Perkins, assignors.

Pfeffer, Edward C.: *See*—
Maier, C. E., Flugge, and Pfeffer.

Philco Radio and Television Corporation: *See*—
McDonough, Charles J., assignor.

Phillips Petroleum Company: *See*—
Frey, Frederick E., assignor.
Frey, F. E., and Hepp, assignors.
Hillyer, John C., assignor.
Schulze, Walter A., assignor.
Schulze, W. A., Hillyer, and Drennan, assignors.

Pierce, Frank G., Des Moines, Iowa, and A. H. De Groote, Rolling Prairie, assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Device for cutting sponge rubber or the like. 2,380,787; July 31.

Pierce, Raymond C., Chicago, Ill. Car truck. 2,380,902; July 31.

Pignone, Joseph, Brooklyn, assignor to Universal Camera Corporation, New York, N. Y. Camera. 2,380,610; July 31.

Pilcher, Harold W., Rock Island, assignor to Deere & Company, Moline, Ill. Combine. 2,380,547; July 31.

Pimentel, Rafael, Mexico City, Mexico; M. P. Atristain, executrix of said R. Pimentel, deceased. Cutting device. 2,380,898; July 31.

Pittsburgh Equitable Meter Company: *See*—
Niesemann, Fritz, assignor.

Poole, Arthur J., Belleville, assignor to The Babcock & Wilcox Company, Jersey City, N. J. Fluent fuel burner. 2,380,463; July 31.

Prewitt, Richard H., Lansdowne, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft. 2,380,581; July 31.

Primrose, John, Staten Island, N. Y., and C. E. McCulloch, Westfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Heater. 2,380,464; July 31.

Prinzivalli, Sam, Brooklyn, N. Y. Motion picture camera spool. 2,380,788; July 31.

Proctor, Ralph R., Glendale, Calif. Variable sensitivity control valve. 2,380,705; July 31.

Pronovost, David, Rosemont, Montreal, Quebec, Canada. Abrasive machine. 2,380,789; July 31.

Proudman, Chester F., New Canaan, Conn. System of aeration. 2,380,465; July 31.

Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Loud-speaker. 2,380,869; July 31.

Quam-Nichols Company: *See*—
Quam, James P., assignor.

Queneau, Augustin L. J., Morristown, N. J., assignor to United States Steel Corporation of Delaware. Zinc condenser. 2,380,548; July 31.

Quinnell, La Vern E., and J. C. Koonz, assignors to The Magnavox Company, Fort Wayne, Ind. Solenoid initiating mechanism for machine guns. 2,380,611; July 31.

Quintrell, Harry J., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Tubing anchor and packer assembly. 2,380,612; July 31.

Radio Corporation of America: *See*—
Beard, Joseph G., assignor.
DeVore, Henry B., assignor.
Hirmann, Julius, assignor.
Peterson, Harold O., assignor.
Rosencrans, Charles A., assignor.

Rapp, Howard B., et al.: *See*—
Heckathorn, Loyd, assignor.

Rapp, Sally, et al.: *See*—
Heckathorn, Loyd, assignor.

Rasor, Orval, Portland, Oreg. Tubular construction. 2,380,549; July 31.

Ray, Don, Beverly Hills, Calif. Compacting material. 2,380,903; July 31.

Reed, Eo, Zanesville, assignor to The American Rolling Mill Company, Middletown, Ohio. Cleaning metal sheets. 2,380,550; July 31.

Reed, John K., Charlevoix, Mich. Paddle. 2,380,870; July 31.

Reed Manufacturing Company: *See*—
Petersen, Thorvald, assignor.

Reed-Prentice Corporation: *See*—
McIntyre, Frederick W., assignor.

Reiff, Orland M., and J. D. Zech, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Plastic compositions and making the same. 2,380,466; July 31.

Reiter, Adolph, New York, N. Y. Hair curler. 2,380,674; July 31.

Republic Flow Meters Company: *See*—
McMahon, Jerome B., assignor.

Ress, Thomas I., assignor to De Vry Corporation, Chicago, Ill. Lens assembly. 2,380,613; July 31.

Ressler, Hugh C., West Brighton, assignor to Faximile, Inc., New York, N. Y. Electrolytic recording electrode. 2,380,467; July 31.

Reynolds Electric Co.: *See*—
Olson, Waldemar N., assignor.

Richter, Eugene D., et al.: *See*—
Young, William D., assignor.

Richter, George A., assignor to Eastman Kodak Company, Rochester, N. Y. Production of refined wood pulp. 2,380,706; July 31.

Riemenschneider, Ralph H.: *See*—
Lambert, P., Riemenschneider, and Gibb.

Robertshaw Thermostat Company: *See*—
Eskin, Samuel G., assignor.

Robertson, James, San Francisco, Calif. Film reel. 2,380,790; July 31.

Robinson, Bestor, U. S. Army, Oakland, Calif. Pouring spout. 2,380,871; July 31.

Rocke, William, South Bend, Ind. Fluid agency clothes washer with oscillating tub. 2,380,872; July 31.

Rodal, Ralph: *See*—
Schafer, R. A., and Rodal.

Rohr Aircraft Corporation: *See*—
Hite, Jess L., assignor.

Ronci, Victor L.: *See*—
Clark, J. E., Fay, and Ronci.

Rosen, Oscar E.: *See*—
Stanton, Walter O., assignor.

Rosencrans, Charles A., Haddonfield, N. J., assignor to Radio Corporation of America. Resonance indicating apparatus. 2,380,791; July 31.

Ross, Albert W.: *See*—
Hicks, H. A., Johnson, and Ross.

Rueb, Theodore O., Chicago, Ill. Taper gauge. 2,380,792; July 31.

Rugg, Edward H., Bridgeport, Conn., assignor to General Electric Company. Outlet box support. 2,380,793; July 31.

Rust, David J., assignor to Ry-Lock Company, Ltd., San Leandro, Calif. Tensioning and locking device for frameless window screens. 2,380,794; July 31.

Rust, Frederick F., Berkeley, Calif., and E. R. Bell, Norwalk, Ohio, assignors to Shell Development Company, San Francisco, Calif. Catalyst separation in hydrogen bromide catalyzed oxidation reactions. 2,380,675; July 31.

Ry-Lock Company, Ltd.: *See*—
Rust, David J., assignor.

S. M. A. Corporation: *See*—
Patterson, W. I., and Williamson, assignors.

Saffir, Jacob A., Chicago, Ill., assignor to The Dentists' Supply Company of New York, New York, N. Y. Artificial tooth. 2,380,468; July 31.

Sanborn Company, The: *See*—
Packer, Oscar W., assignor.

Sandvikens Jernverks Aktiebolag: *See*—
Hård af Segerstad, Carl G., assignor.

Santon, Elliot A.: *See*—
Palmer, A., and Santon.

Savidge, Clinton L., Toledo, Ohio, assignor to Mitchell & Smith, Inc., Detroit, Mich. Branched stream control. 2,380,676; July 31.

Sawyer, Marc C., Otsego County, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition means. 2,380,707; July 31.

Scafe, Eugene T.: *See*—
Drake, L. C., Herman, and Schafe.

Schaefer, Edward A.: *See*—
Serre, M., Hewett, and Schaefer.

Schafer, Robert A., and R. Rodal, assignors to The National Automatic Tool Company, Richmond, Ind. Indexing mechanism. 2,380,873; July 31.

Schilling, Richard M., and G. J. Mitchell, Minneapolis, Minn., assignors to General Mills, Inc. Root starch process. 2,380,874; July 31.

Schjolin, Hans O., Pontiac, assignor by mesne assignments to General Motors Corporation, Detroit, Mich. Turbodrive control. 2,380,677; July 31.

Schlage Lock Company: *See*—
Hahir, Ward H., assignor.
Schlage, W. R. and Hahir, assignors.

Schlage, Walter R., Burlingame, and W. H. Hahir, San Mateo, assignors to Schlage Lock Company, San Francisco, Calif. Door lock. 2,380,708; July 31.

Schmarion, Herman, New York, N. Y. Prism system. 2,380,469; July 31.

Schmidt, Lewis W.: *See*—
Lea, H. V., Schmidt, and du Bose.

Schmidt, Lloyd K., et al: *See*—
Lea, H. V., Schmidt, and du Bose, assignors.

Schneider, Theodor, Zurich, Switzerland. Mounting for automatic firearms arranged on aircraft. 2,380,470; July 31.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe adjusting means. 2,380,795; July 31.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Centralizing device for brake shoes. 2,380,796; July 31.

Schoenfeld, Frank K., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization in aqueous emulsion. 2,380,554; July 31.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic treatment of hydrocarbons. 2,380,875; July 31.

Schulze, Walter A., J. C. Hillyer, and H. E. Drennan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,380,876; July 31.

Scott & Williams, Incorporated: *See*—
Lawson, Robert H., assignor.

Sears, Roebuck and Co.: *See* —
Cross, Robert C., assignor.

See, Melvin J., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion. 2,380,490; July 31.

Semon, Waldo L., Silver Lake, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadiene-1,3 hydrocarbons. 2,380,471; July 31.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization in aqueous emulsion. 2,380,551; July 31.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making catalysts. 2,380,614; July 31.

Semon, Waldo L., Silver Lake, and W. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company New York, N. Y. Polymerization in aqueous emulsion. 2,380,552; July 31.

Sengbusch, Gustav J., Milwaukee, Wis. Desk file. 2,380,678; July 31.

Serre, Maurice, J. B. Hewett, and E. A. Schaefer, New York, N. Y., assignors to Anemostat Corporation of America. Air outlet device. 2,380,553; July 31.

Severin, Fred V., East Cleveland, Ohio. Container closure. 2,380,797; July 31.

Seymour, Robert T.: *See*—
Christian, J. C., and Seymour, assignors.

Shayeson, Maurice W., Dayton, Ohio. Holder and opener for containers of additive liquid. 2,380,472; July 31.

Shell Development Company: *See*—
Cunningham, Guy C., assignor.
Rust, F. F., and Bell, assignors.

Shellmar Products Company: *See*—
Gilfillan, Paul M., assignor.

Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Composition for counteracting microorganisms. 2,380,877; July 31.

Sheppard, Richard H., Hanover, Pa. Combustion chamber. 2,380,615; July 31.

Shimwell, Derrick W., Alderley Edge, England. Beat-up mechanism of looms for weaving. 2,380,798; July 31.

Shively, John J., and H. R. Van Deventer, New York, N. Y. Phonograph mechanism. 2,380,799; July 31.

Shoesmith, Albert, Fall River, assignor to Draper Corporation, Hopedale, Mass. Bobbin support stop. 2,380,709; July 31.

Sholar, William J., New Rochelle, N. Y. Dehydrating apparatus. 2,380,555; July 31.

Simmonds Aerocessories, Inc.: *See*—
Overbeke, John W. assignor.

Sinclair Refining Company: *See*—
Wayo, S. J., and Watkins, assignors.

Skelton, William R.: *See*—
Trostler, F., Skelton, and Henschel.

Smedberg, Sam, et al.: *See*—
Nelson, Noble A., assignor.

Smith, Arthur E., Los Angeles, Calif. Syringe device. 2,380,556; July 31.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Agents for lubricating oils and making the same. 2,380,878; July 31.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Apparatus for testing the foaming characteristics of liquids. 2,380,679; July 31.

Smith, Howard V., and M. C., Tucson, Ariz. Water treatment. 2,380,800; July 31.

Smith, Margaret C.: *See*—
Smith, Howard V., and M. C.

Smith, S., & Sons, (England) Limited: *See*—
Meredith, Frederick W., assignor.

Smokador Manufacturing Co., Inc.: *See*—
Baylis, Robert N., assignor.

Smythe, Allan: *See*—
Zeilman, R. H., and Smythe.

Snoek, Jacob L., and L. Alons, Eindhoven, Netherlands; vested in the Alien Property Custodian. Magnetic system. 2,380,616; July 31.

Societe Genevoise d'Instruments de Physique: *See*—
Turrettini, Fernand, assignor.

Socolofsky, John F.: *See*—
Berger, H. G., Crandall, and Socolofsky.

Socony-Vacuum Oil Company, Incorporated: *See*—
Berger, H. G., Crandall, and Socolofsky, assignors.
Drake, L. C., Herman and Scafe, assignors.
Reiff, O. M., and Zech, assignors.

Sperry Gyroscope Company, Inc.: *See*—
Frische, C. A., and Hanson, assignors.

Stahly, Grant L., Columbus, Ohio, and W. W. Carlson, Pittsburgh, Pa., assignors to Chemical Developments Corporation, Dayton, Ohio. Soluble benzyl ether of dextran. 2,380,879; July 31.

Standard Catalytic Company: *See*—
Murphree, E. V., Voorhies, Bonnell, and Tregre, assignors.

Standard Oil Company: *See*—
Baillie, James C., assignor.
See, Melvin J., assignor.

Standard Oil Development Company: *See*—
Buc, H. E., and Muessig, assignors.
Kohler, Henry F., assignor.
Linn, N. F., and Tongberg, assignors.
Zimmer, J. C., and Morway, assignors.

Stanton, Walter O., assignor to O. E. Rosen, Detroit, Mich. Valve operating means. 2,380,904; July 31.

Stewart-Warner Corporation: *See*—
Palm, George H., assignor.

Stewart, William D.: *See*—
Browning, G. L., Jr., Stewart, and Zwicker.
Semon, W. L., and Stewart.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the addition polymerization of unsaturated organic compounds. 2,380,473; July 31.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the addition polymerization of unsaturated organic compounds. 2,380,474; July 31.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the addition polymerization of unsaturated organic compounds. 2,380,475; July 31.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the addition polymerization of unsaturated organic compounds. 2,380,476; July 31.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Catalysts for the addition polymerization of unsaturated organic compounds. 2,380,477; July 31.

Stewart, William D., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Catalysts for polymerization reaction. 2,380,710; July 31.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of butadiene-1,3 hydrocarbons. 2,380,905; July 31.

Stewart, William D., and B. M. G. Zwicker, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Heavy metal catalysts for emulsion polymerization reactions. 2,380,617; July 31.

Stewart, William D., and B. M. G. Zwicker, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Catalysts for polymerization reactions. 2,380,618; July 31.

Stiller, Eric T., New York, N. Y. dl-tryptophane and producing the same. 2,380,479; July 31.

Stiller, Eric T., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Lactones of 2-alkyl-3-alkoxy-4-hydroxymethyl-5-carboxypyridine. 2,380,478; July 31.

Stover, Willard L., Amarillo, Tex. Winch cable guide. 2,380,801; July 31.

Strachovsky, Nikita B., assignor to Lord Manufacturing Company, Erie, Pa. Mounting. 2,380,899; July 31.

Strang, Harold E., Ardmore, Pa., assignor to General Electric Company. Control of electric switches. 2,380,802; July 31.

Sullivan Machinery Company: *See*—
Maxson, Louis A., assignor.

Sun Oil Company: *See*—
Banks, Daniel B., assignor.
Jolly, Samuel E., assignor.

Suwa, Ignaz F.: *See*—
Yawitz, M., and Suwa.

Syz, Werner, Neuhausen-on-the-Rheinfall, assignor to Aluminium Industrie Aktien-Gesellschaft, Chippis, Switzerland. Producing burnt dolomite. 2,380,480; July 31.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake head balancing device. 2,380,803; July 31.

Taylor, Maravene S., et al.: *See*—
Young, William D., assignor.

Taylor, Taylor & Hobson Limited: *See*—
Warmisham, Arthur, assignor.

Taylor, Thomas B., et al.: *See*—
Young, William D., assignor.

Terrill, Franklin E., assignor to Industrial Brownhoist Corporation, Bay City, Mich. Steering mechanism for tractor cranes. 2,380,619; July 31.

Terry, Rex A., Berkeley, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle body unit. 2,380,557; July 31.

Texas Company, The: *See*—
Eris, Wilson G., assignor.
McCleary, R. F., and Morris, assignors.
Wilson, Howard, assignor.

Thew Shovel Company, The: *See*—
Zeilman, R. H., and Smythe, assignors.

Thomas, William D., Jr.: *See*—
Cook, E. W., and Thomas.

Thompson, Earl A., Bloomfield Hills, assignor to General Motors Corporation, Detroit, Mich. Clutch and control. 2,380,680; July 31.

Thompson, Leslie E., and A. Jenkins, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifiers of the selenium type. 2,380,880; July 31.

Tiedemann, Hans, Tokyo, Japan; vested in the Alien Property Custodian. Decomposition of sodium aluminate liquor. 2,380,804; July 31.

Tillyer, Edgar D., W. J. Joyce, and H. R. Moulton, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,380,481; July 31.

Tongberg, Carl O.: *See*—
Linn, N. F., and Tongberg.

Touceda, Enrique G., Loudonville, and R. P. De Vries, Menands, N. Y., assignors to Allegheny Ludlum Steel Corporation. Chromium-free air-hardening alloy steels and articles of manufacture produced therefrom. 2,380,711; July 31.

Towne Robinson Nut Company: *See*—
De Loe, Paul, assignor.

Towner Manufacturing Co.: *See*—
Heckathorn, Loyd.

Transcontinental & Western Air, Inc.: *See*—
Melton, Clarence C., assignor.

Traver, Oliver C., Drexel Hill, and G. W. McKenna, Philadelphia, Pa., assignors to General Electric Company. Protective system. 2,380,805; July 31.

Tregre, Louis S.: *See*—
Murphree, E. V., Voorhies, Bonnell, and Tregre.

Tribble, William H., Brooklyn, assignor to Faximile, Inc., New York, N. Y. Duplicating recorder. 2,380,482; July 31.

Trico Products Corporation: *See*—
Hess, Willis C., assignor.

Trostler, Fredrick, Virginia Water, England, W. R. Skelton, Brynford, and L. O. H. Holywell, North Wales. Washing of granular materials. 2,380,881; July 31.

Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Injection press. 2,380,882; July 31.

Tunley, Allan A., Peterborough, assignor to Baker Perkins Limited, Peterborough, Northampton, England. Enrober of chocolate coating machine. 2,380,806; July 31.

Turek, Thomas J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,380,558; July 31.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Buffer for loom bobbin receivers. 2,380,807; July 31.

Turrettini, Fernand, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Thread grinding machine. 2,380,883; July 31.

Tyken, John G., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Blocker synchronizer. 2,380,559; July 31.

Tyson, Levi D., Elkhart, Ind., assignor to International Detrola Corporation. Lathe. 2,380,808; July 31.

Union Carbide and Carbon Corporation: *See*—
Babcock, Roger S., assignor.

Union Switch & Signal Company, The: *See*—
Bone, Herbert L., assignor.
Nicholson, Frank H., assignor.
Thompson, L. E., and Jenkins, assignors.

United Aircraft Corporation: *See*—
Cole, Gilmoure N., assignor.

United-Carr Fastener Corporation: *See*—
Johnson, Frank E., assignor.

United Dairy Equipment Company: *See*—
McFadden, James B., assignor.

United Shoe Machinery Corporation: *See*—
Burby, Philip E., assignor.

United States Gypsum Company: *See*—
Wack, Otis, assignor.

United States Steel Corporation of Delaware: *See*—
Queneau, Augustin L. J., assignor.

Universal Camera Corporation: *See*—
Pignone, Joseph, assignor.

Universal Oil Products Company: *See*—
Bloch, Herman S., assignor.
Huff, Lyman C., assignor.

Urquhart, Noel, Stewart Manor, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Permanent magnet. 2,380,560; July 31.

Van Deventer, Harry R.: *See*—
Shively, J. J., and Van Deventer.

Van Hoestenberghe, René L. H.: *See*—
Dippel, C. J., Keuning, Verkinderen, and Van Hoestenberghe, assignors.

Vankeirsbilck, Norbert: *See*—
Verkinderen, H., and Vankeirsbilck.

Verkinderen, Honore, Mortsel, and N. Vankeirsbilck, Leuven, Belgium; vested in the Alien Property Custodian. Color couplers for photographic color development. 2,380,809; July 31.

Verkinderen, Honoré J. J.: *See*—
Dippel, C. J., Keuning, Verkinderen, and Van Hoestenberghe, assignors.

Von Stoeser, Walter, North Tonawanda, and F. H. Osborne, Snyder, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Drink measuring device. 2,380,884; July 31.
Voorhies, Alexis, Jr.: *See*—
Murphree, E. V., Voorhies, Bonnell, and Tregre.
Wack, Otis, Evanston, assignor to United States Gypsum Company, Chicago, Ill. Building element. 2,380,885; July 31.
Wadsworth, Francis T., Texas City, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Refining aromatic distillates. 2,380,561; July 31.
Wagner Electric Corporation: *See*—
Schnell, Steve, assignor.
Whitacre, Clarence J., assignor.
Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,380,483; July 31.
Wagner, Romeo B., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Steroidal compounds and obtaining the same. 2,380,484; July 31.
Wahlmark, Gunnar A., Rockford, Ill. Hydraulic circuit. 2,380,810; July 31.
Walborn, John H., Harrisburg, Pa. Modern food dispensing and display case. 2,380,712; July 31.
Waldie, George A., Franklin, assignor to The Hydraulic Development Corp. Inc., Mount Gilead, Ohio. Balanced ball type vane pump or motor. 2,380,886; July 31.
Wales, George F., Kenmore, N. Y. Apparatus for perforating sheet material. 2,380,485; July 31.
Walker, Warren R., Forest Hills, N. Y., assignor to General Electric Company. Sealed enclosure and sealing same. 2,380,811; July 31.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Sewing machine. 2,380,912; July 31.
Walters, Oswald H., Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of alkali metal percarbonates. 2,380,620; July 31.
War, Government of the United States of America, as represented by the Secretary of, and his successors in office: *See*—
Hallock, Eugene D., assignor.
Ward Baking Company: *See*—
Wennmann, William, assignor.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical system. 2,380,887; July 31.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,380,888; July 31.
Warnat, Kurt, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Colorless, aqueous solution of vitamin-K-active compounds and manufacture of same. 2,380,621; July 31.
Warner & Swasey Company, The: *See*—
Goetze, Max G., assignor.
Wascige, Charles R., Saint-Etienne, Loire, France; vested in the Alien Property Custodian. Polyengine bipropeller drive. 2,380,889; July 31.
Waters, Vern S., Minneapolis, Minn., assignor to General Mills, Inc. Preparation of glutamic acid hydrochloride. 2,380,890; July 31.
Watkins, Franklin M.: *See*—
Wayo, S. J., and Watkins.
Watson, James A., Jr., Silver Spring, Md. Transport vehicle. 2,380,562; July 31.
Wayo, Stephen J., Whiting, Ind., and F. M. Watkins, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Preparation of capryl salicylate. 2,380,563; July 31.
Webb, Charles E., New London, Wis., assignor to Edison Wood Products, Incorporated, West Orange, N. J. Crib. 2,380,812; July 31.
Wellman, S. K., Company, The: *See*—
Wellman, Samuel K., assignor.
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Friction device. 2,380,900; July 31.
Wellworthy Piston Rings Limited: *See*—
Howlett, John W., assignor.
Wennmann, William, Baltimore, Md., assignor to Ward Baking Company, New York, N. Y. Cake slitting machine. 2,380,564; July 31.
Western Electric Company, Incorporated: *See*—
Brown, George R., assignor.
Frank, George H., assignor.
Gage, Edwin B., assignor.
Gove, O. N., and Miller, assignors.
Jarman, Vincent G., assignor.
Western Products Company, Inc.: *See*—
McMechan, Maurice H., assignor.
Western States Machine Company, The: *See*—
Hertrich, Joseph, assignor.
Westinghouse Electric Corporation: *See*—
Gottlieb, Manious, assignor.
Harding, W. R., and Opel, assignors.
Immel, R. B., and Kintzing, assignors.
Miller, Ernest F., assignor.
Pankow, Edmund G., assignor.
Weston Electrical Instrument Corporation: *See*—
Lamb, Anthony H., assignor.
Wetherbee, Charles F., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Dilatometer. 2,380,565; July 31.
Weyandt, Carl S., Homer City, Pa. Electromagnetic vibrator. 2,380,622; July 31.
Wheeler, Charles M., Lynn, Mass., assignor to General Electric Company. Electric apparatus. 2,380,813; July 31.
Wheeler, Herbert P., Springfield, Mo. Ventilating apparatus for toilet hoppers. 2,380,891; July 31.
Whitacre, Clarence J., assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,380,814; July 31.
Whitacre, Clarence J., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe adjusting means. 2,380,815; July 31.
White, Mayfield C., New York, N. Y. Soap preserver. 2,380,892; July 31.
Wilkening Manufacturing Company: *See*—
Engelhardt, Carl F., assignor.
Williamson, Martin B.: *See*—
Patterson, W. L., and Williamson.
Willis, Floyd, Jr., Tulsa, Okla. Lighting control system. 2,380,486; July 31.
Wilson, Howard, Lockport, Ill., assignor to The Texas Company, New York, N. Y. Coking hydrocarbon oil. 2,380,713; July 31.
Winterhalter, Martin, Morcote, near Lugano, Switzerland. Separable fastener. 2,380,623; July 31.
Winteringham, David F., assignor to A. W. Carter, Vancouver, British Columbia, Canada. Ejector. 2,380,714; July 31.
Winther, Howard: *See*—
Folke, B. E., and Winther.
Witbro, Alexander W., assignor to The C. A. Lawton Company, De Pere, Wis. Wrapping machine and method. 2,380,816; July 31.
Wolfram, William S., Scotch Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. Fluid coupling. 2,380,681; July 31.
Woolard, Simon B., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 2,380,817; July 31.
Wright, Arthur E., et al.: *See*—
Carol, James E., assignor.
Wurlitzer, Rudolph, Company, The: *See*—
Von Stoeser, W., and Osborne, assignors.
Wyllie, Francis O'N., assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa. Conditioning molten Be-containing alloys for casting. 2,380,566; July 31.
Yawitz, Murray, Prospect Place, and I. F. Suwa, Jackson Heights, assignors to Fish-Schurman Corporation, New York, N. Y. Comparator device. 2,380,567; July 31.
Yeomans Brothers Company: *See*—
Jeffery, Harold T., assignor.
Young, Betty J., et al.: *See*—
Young, William D., assignor.
Young, Dorothy R., et al.: *See*—
Young, William D., assignor.
Young, Jean A., et al.: *See*—
Young, William D., assignor.
Young, Nancy L., et al.: *See*—
Young, William D., assignor.
Young, William D., Greenville, S. C., assignor of ten per cent to T. B. Taylor, ten per cent to M. S. Taylor, Port Washington, N. Y., fifteen per cent to D. R. Young, Greenville, S. C., twenty per cent to A. C. Kingston, Belmont, Mass., ten per cent to B. J. Young, ten per cent to J. A. Young, ten per cent to N. L. Young, Greenville, S. C., and one per cent to E. D. Richter, Montclair, N. J. Packaging apparatus and method. 2,380,624; July 31.
Young Berg, Carl E., Los Angeles, Calif. Automatic miniature enlarger. 2,380,818; July 31.
Zech, John D.: *See*—
Reiff, O. M., and Zech.
Zellman, Roy H., and A. Smythe, Elyria, assignors to The Thew Shovel Company, Lorain, Ohio. Power shovel, crane, and the like. 2,380,625; July 31.
Zellman, Roy H., and A. Smythe, Elyria, assignors to The Thew Shovel Company, Lorain, Ohio. Mobile power shovel, crane, and the like. 2,380,626; July 31.
Zempel, Edward A., Milwaukee, Wis. Boring bar. 2,380,627; July 31.
Zempel, Edward A., Milwaukee, Wis. Metal stock having a square hole and making said stock. 2,380,628; July 31.
Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,380,893; July 31.
Zola, Hector G., Cleveland, Ohio. Food serving device. 2,380,629; July 31.
Zwicker, Benjamin M. G.: *See*—
Browning, G. L., Jr., Stewart, and Zwicker.
Stewart, W. D., and Zwicker.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF JULY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Filter control for aircraft engines and superchargers.
E. S. Thompson. Re. 22,656; July 31.

LIST OF DESIGN INVENTIONS

Apron, Tool bag. F. R. Stewart. 141,919; July 31.
Badge or similar article. V. Mattessich. 141,933; July 31.
Barbecue or similar article, Portable. J. S. Ward. 141,910; July 31.
Beater, Food. F. F. Latshaw. 141,900; July 31.
Bicycle. Le R. W. Sly. 141,926; July 31.
Billfold or similar article. D. J. Nash. 141,934–6; July 31.
Cabinet, Suggestion. LeR. G. Mills. 141,890; July 31.
Cable take-up, Quick-way. J. C. Jaques. 141,922; July 31.
Calender, Perpetual. A. G. McNeill and L. N. Olsen. 141,924; July 31.
Cap and measuring cup, Combined bottle. A. Wolff. 141,944; July 31.
Case, Cigar counter display. R. B. Wemyss. 141,911; July 31.
Case, Cigar humidor display. R. B. Wemyss. 141,912; July 31.
Casing or similar article, Vacuum cleaner. G. W. Walker. 141,894; July 31.
Charm or similar article. H. Davis. 141,897; July 31.
Clip or similar article. A. Philippe. 141,907; July 31.
Coat. S. Dumler. 141,921; July 31.
Coat. S. Dumler. 141,928; July 31.
Coat. A. Gruber. 141,930–1; July 31.
Coat. S. Zimmerman. 141,937; July 31.
Coffee urn or similar article, Automatic. D. F. Swanson. 141,943; July 31.
Comb and holder, Combined pocket. C. E. Ulrich. 141,920; July 31.
Corner piece for containers. I. M. Ikelheimer. 141,940; July 31.
Drawing instrument. L. A. Matson. 141,882; July 31.
Fastener top stop, Slide. J. Brozek. 141,873; July 31.
Game board. A. L. Barrett. 141,870; July 31.
Game board. A. L. Barrett. 141,872; July 31.
Game board. W. Jamieson. 141,880; July 31.
Game device. W. B. Sewell. 141,883; July 31.
Game table. E. Friedrich. 141,884; July 31.
Game table, Child's. A. Olkon. 141,918; July 31.
Handkerchief or similar article. A. Mogabgab. 141,903–4; July 31.
Handkerchief or similar article. W. S. Mogabgab. 141,905; July 31.
Handle for saws or like article. W. P. Peterson. 141,906; July 31.
Hobby horse. M. Lecomowitz. 141,932; July 31.
Holder, Nursing bottle. E. G. Beckemeyer. 141,913; July 31.
Ink well. M. Haberman. 141,876; July 31.
Last, Stocking darning. M. Bowerman. 141,916; July 31.
Latch, Night. G. W. Wilder. 141,887; July 31.
Leg for a pedestal base. S. D. Loman. 141,888; July 31.
Lens or the like, Reading. G. M. Cressaty. 141,874; July 31.
Light transmitting member for a lighting fixture. A. L. Arenberg. 141,895; July 31.
Lighter, Table. H. J. Sudbrink. 141,891–3; July 31.
Marker, Grave. R. S. Hammond. 141,878–9; July 31.
Marker, Grave. W. M. Hammond. 141,877; July 31.
Negligee or similar article. A. Macksoud. 141,941; July 31.
Opener or similar article, Letter. M. L. Goldbert. 141,875; July 31.
Paper or the like. T. Mendsen. 141,917; July 31.
Pedestal base. S. D. Loman. 141,889; July 31.
Rack and smoking stand, Combined book, magazine, newspaper. L. Reis. 141,942; July 31.
Rack, Combined knife and towel. J. M. Marateck. 141,902; July 31.
Rack, Knife. B. R. Glukes. 141,898; July 31.
Screen for a doll's house. N. Kropatkin. 141,923; July 31.
Shoe. U. Chaplain. 141,896; July 31.
Shoe or similar article. W. Braun. 141,871; July 31.
Shredder, Food. F. F. Latshaw. 141,899; July 31.
Spoon unit, Measuring. K. L. Mathewson. 141,881; July 31.
Table, Combination stand and service. W. I. Evans. 141,929; July 31.
Tank, Fluid storage. E. H. Benson. 141,914; July 31.
Textile fabric. J. F. Hoffmann. 141,939; July 31.
Tire. G. W. Walker. 141,885; July 31.
Toolbox for a truck or similar article, Fuel tank mounted. F. Prior. 141,908; July 31.
Tongs or the like, Laundry. G. M. Tamblyn. 141,909; July 31.
Toy. L. L. Westcamp. 141,886; July 31.
Toy dredge. E. Nudelman. 141,925; July 31.
Tricycle. Le R. W. Sly. 141,927; July 31.
Washer for meat products or the like. F. J. Bilek. 141,915; July 31.
Water correction device, Electrolytic. E. M. Butler. 141,938; July 31.
Wheel trim ring and hub cap or similar article, Combined. G. A. Lyon. 141,901; July 31.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31st DAY OF JULY, 1945

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive machine. D. Pronovost. 2,380,789; July 31.
Acidic minerals, Beneficiation of. D. W. Jayne, Jr., H. M. Day, and E. W. Gieseke. 2,380,698; July 31.
Adjusting means, Brake shoe. C. J. Whitacre. 2,380,815; July 31.
Aeration, System of. C. F. Proudman. 2,380,465; July 31.
Aerial system, Directional. E. Green. 2,380,519; July 31.
Agents for lubricating oils and making same. H. G. Smith and T. L. Cantrell. 2,380,878; July 31.
Air conditioning system. R. B. P. Crawford. 2,380,386; July 31.
Air deflector for automobiles and making same. A. R. Metzger. 2,380,860; July 31.
Air outlet device. M. Serre, J. B. Hewett, and E. A. Schaefer. 2,380,553; July 31.
Aircraft. J. E. McDevitt. 2,380,535; July 31.
Aircraft. R. H. Prewitt. 2,380,581; July 31.
Aircraft having rotative wings. J. de la Cierva. 2,380,582; July 31.
Aircraft, Rotor-equipped. J. de la Cierva. 2,380,580; July 31.
Aircraft with autorotative wings. J. de la Cierva. 2,380,583; July 31.
Airplane mooring appliance. M. C. Persons. 2,380,702; July 31.
Alarm device for internal-combustion engines. L. B. Gore. 2,380,643; July 31.
Alkali metal percarbonates, Production of. O. H. Walters. 2,380,620; July 31.
Alloy: *See*—
  Magnesium base alloy.
Alloy steels and articles of manufacture produced therefrom, Chromium-free air-hardening. E. G. Touceda and R. P. De Vries. 2,380,711; July 31.
Alloys, Improving magnesium-base. C. E. Nelson and G. E. Holdeman. 2,380,863; July 31.
Alloys and articles comprised thereof, surface hardening beryllium copper. M. J. Donachie. 2,380,506; July 31.
Amines from nitrogen compounds, Production of secondary and tertiary. W. S. Emerson. 2,380,420; July 31.
Amino acids in emulsion polymerization. C. F. Fryling. 2,380,591; July 31.
Anchor and packer assembly, Tubing. H. J. Quintrell. 2,380,612; July 31.
Anchor, Well. L. D. Mowrey. 2,380,669; July 31.
Animal-scratching device. F. L. Heese. 2,380,842–4; July 31.
Antioxidants. W. I. Patterson and M. B. Williamson. 2,380,546; July 31.
Apparatus for applying plastic coatings. W. R. Brend. 2,380,499; July 31.
Apparatus for applying radiant energy. E. W. Boerstler. 2,380,682; July 31.
Apparatus for casting hollow metal articles. J. P. Gowland. 2,380,751; July 31.
Apparatus for controlling transmission mechanism. L. L. Beltz. 2,380,717; July 31.
Apparatus for fabricating plywood structures. R. L. Beasecker. 2,380,573; July 31.
Apparatus for filling containers with milk and other liquids. H. M. McDonald. 2,380,771; July 31.
Apparatus for forming identification badges. E. B. Gage. 2,380,746; July 31.
Apparatus for forming sheets from plastic material. G. A. Hoggatt. 2,380,527; July 31.
Apparatus for perforating sheet material. G. F. Wales. 2,380,485; July 31.
Apparatus for smoking and curing foodstuffs. O. F. Gilliam. 2,380,428; July 31.
Apparatus for testing the foaming characteristics of liquids. H. G. Smith. 2,380,679; July 31.
Aqueous emulsion, Polymerization in. F. K. Schoenfeld. 2,380,554; July 31.
Aqueous emulsion, Polymerization in. W. L. Semon. 2,380,551; July 31.
Aqueous emulsion, Polymerization in. W. L. Semon and W. D. Stewart. 2,380,552; July 31.
Aqueous solution of vitamin-K-active compounds and manufacturing same, Colorless. K. Warnat. 2,380,621; July 31.
Aromatic hydrocarbons, Producing. N. F. Linn and C. O. Tongberg. 2,380,853; July 31.
Aromatic distillates, Refining. F. T. Wadsworth. 2,380,561; July 31.

Articles, Method of and apparatus for making. G. R. Brown. 2,380,722; July 31.
Artificial tooth. J. A. Saffir. 2,380,468; July 31.
Attachment for musical string instruments. T. F. Goodwin. 2,380,689; July 31.
Attachment joint. G. N. Cole. 2,380,684; July 31.
Automatic control means. L. A. Maxson. 2,380,457; July 31.
Auxiliary armor mounting. Q. Berg. 2,380,393; July 31.
Bag: *See*—
  Combination and carrying bag.
Balancing and attaching means, Break head. F. E. Bachman. 2,380,376; July 31.
Balancing system. P. D. Andrews. 2,380,389; July 31.
Bandage making machine. H. H. Brown. 2,380,823; July 31.
Bar: *See*—
  Boring bar.
Beat-up mechanism of looms for weaving. D. W. Shimwell. 2,380,798; July 31.
Bicycle frame. H. H. Bound. 2,380,497; July 31.
Binder, Booklet. M. E. Novak. 2,380,780; July 31.
Binocular instrument. E. Krimsky. 2,380,850; July 31.
Bipropeller drive, Polyengine. C. R. Wascige. 2,380,889; July 31.
Black-out marker light. C. Gross. 2,380,691; July 31.
Block setter, Fire. S. G. Ackley. 2,380,487; July 31.
Body unit, Vehicle. R. A. Terry. 2,380,557; July 31.
Bomb shackle operating mechanism. D. S. Elliott. 2,380,737; July 31.
Bore sighting apparatus. J. C. Christian and R. T. Seymour. 2,380,501; July 31.
Borehole indicating apparatus. G. L. Hassler. 2,380,520; July 31.
Boring bar. E. A. Zempel. 2,380,627; July 31.
Brake head balancing device. C. E. Tack. 2,380,803; July 31.
Brake shoe adjusting means. S. Schnell. 2,380,795; July 31.
Brake system for connected vehicles. G. Keith. 2,380,765; July 31.
Braking mechanism. C. J. Whitacre. 2,380,814; July 31.
Branched stream control. C. L. Savidge. 2,380,676; July 31.
Buckle. M. H. Ballard. 2,380,383; July 31.
Buffer for loom bobbin receivers. R. G. Turner. 2,380,807; July 31.
Building construction. J. Loewenstein. 2,380,600; July 31.
Building construction. W. B. North. 2,380,460; July 31.
Building construction, Wooden. P. R. Goldman. 2,380,834; July 31.
Building element. O. Wack. 2,380,885; July 31.
Burner: *See*—
  Fluent burner.
Butadiene hydrocarbons, Polymerization of. G. L. Browning, Jr. 2,380,401; July 31.
Butadiene 1,3 hydrocarbons, Polymerization of. G. L. Browning, Jr. 2,380,400; July 31.
Butadiene-1,3 hydrocarbons, Polymerization of. G. L. Browning, Jr. 2,380,402; July 31.
Butadiene-1,3 hydrocarbons, Polymerization of. W. L. Semon. 2,380,471; July 31.
Butadiene-1,3 hydrocarbons, Polymerization of. W. D. Stewart. 2,380,905; July 31.
Cable tool. G. W. Crowder. 2,380,725; July 31.
Cage for rayon or the like. R. W. Hoagland. 2,380,526; July 31.
Cake slitting machine. W. Wennmann. 2,380,564; July 31.
Camera. J. Pignone. 2,380,610; July 31.
Camera construction. C. Lateiner. 2,380,453; July 31.
Camera spool, Motion picture. S. Prinzivalli. 2,380,788; July 31.
Capryl salicylate, Preparation of. S. J. Wayo and F. M. Watkins. 2,380,563; July 31.
Car: *See*—
  Railway car.
Carton closing mechanism. G. I. Hohl. 2,380,758; July 31.
Cartridge, Fertilizer. H. A. Brigdan. 2,380,721; July 31.
Case: *See*—
  Modern food dispensing and display case.
Castor oil, Production of dehydrated. H. S. Bloch. 2,380,720; July 31.

Catalyst, Aluminum chloride. C. W. Montgomery and N. W. Franke. 2,380,703; July 31.
Catalyst for polymerization reactions. W. D. Stewart and B. M. G. Zwicker. 2,380,618; July 31.
Catalyst separation in hydrogen bromide catalyzed oxidation reactions. F. F. Rust and E. R. Bell. 2,380,675; July 31.
Catalysts for emulsion polymerization reactions, Heavy metal. W. D. Stewart and B. M. G. Zwicker. 2,380,617; July 31.
Catalysts for polymerization reaction. W. D. Stewart. 2,380,710; July 31.
Catalysts for the addition polymerization of unsaturated organic compounds. W. D. Stewart. 2,380,473–4; July 31.
Catalysts for the addition polymerization of unsaturated organic compounds. W. D. Stewart. 2,380,475; July 31.
Catalysts for the addition polymerization of unsaturated organic compounds. W. D. Stewart. 2,380,476–7; July 31.
Catalysts, Making. W. L. Semon. 2,380,614; July 31.
Catalysts, Restoration of. L. C. Drake, J. Herman and E. T. Scafe. 2,380,731; July 31.
Catalytic conversion. M. J. See. 2,380,490; July 31.
Catalytic conversion of hydrocarbon oil. L. C. Huff. 2,380,760; July 31.
Catalytic treatment of hydrocarbons. W. A. Schulze. 2,380,875; July 31.
Cathode and manufacture, Filamentary. J. Hirmann. 2,380,525; July 31.
Centralizing device for brake shoes. S. Schnell. 2,380,796; July 31.
Centralizing mechanism. C. M. Friden and A. B. Machado. 2,380,642; July 31.
Centrifugal machine and driving system therefor. J. Hertrich. 2,380,595; July 31.
Chemical process and product. H. S. Isbell. 2,380,444; July 31.
Chlorinated synthetic rubber. G. F. D'Alelio. 2,380,726; July 31.
Chlorination of tertiary olefins, Substitution. H. E. Buc and C. W. Muessig. 2,380,500; July 31.
Circuit: *See*—
  Electric circuit. Microphone circuit.
  Hydraulic circuit.
Circuit-interrupting device, Reclosing. G. F. Lincks. 2,380,769; July 31.
Clamp for packing jars, Closure hold-down spring. H. W. Ingle. 2,380,443; July 31.
Clasp. E. D. Hallock. 2,380,430; July 31.
Cleaner: *See*—
  Vacuum cleaner.
Cleaning apparatus for oil coolers. C. C. Melton. 2,380,604; July 31.
Cleaning composition, Skin. S. O. Fiedler. 2,380,830; July 31.
Closure for bottles and like containers, Nonrefillable. M. D. Diaz. 2,380,825; July 31.
Closure, Joint. P. M. Gilfillan. 2,380,427; July 31.
Clutch: *See*—
  Disengageable slip clutch. Fluid clutch.
Clutch. J. T. Barron. 2,380,571; July 31.
Clutch, P. E. Frantz. 2,380,590; July 31.
Clutch and control. E. A. Thompson. 2,380,680; July 31.
Clutch device. A. L. Johnson and S. A. Kraft. 2,380,445; July 31.
Coating apparatus, Strand. G. H. Frank. 2,380,422; July 31.
Collet jaw protector. J. L. Hite. 2,380,648; July 31.
Comb. G. Demyanovich. 2,380,730; July 31.
Combination garment and carrying bag. D. M. Jackson. 2,380,909; July 31.
Combination lock. O. Hage. 2,380,645; July 31.
Combine. H. W. Pilcher. 2,380,547; July 31.
Combustion chamber. R. H. Sheppard. 2,380,615; July 31.
Communication, System of. H. D. Colman. 2,380,894; July 31.
Compacting material. D. Ray. 2,380,903; July 31.
Comparator device. M. Yawitz and I. F. Suwa. 2,380,567; July 31.
Composition for counteracting microorganisms. R. S. Shelton. 2,380,877; July 31.
Composition of matter. R. F. McCleary and J. R. Morris. 2,380,658; July 31.
Compressor, Centrifugal. K. D. McMahon. 2,380,772; July 31.
Condenser: *See*—
  Electric condenser. Zinc condenser.
  Variable condenser.
Contactor, Direct-current energized. R. B. Immel and R. T. Kintzing. 2,380,442; July 31.
Container closure. F. V. Severin. 2,380,797; July 31.
Container for compressed gases, Portable. S. W. Alderfer. 2,380,372; July 31.
Container parts, Making fiber. J. M. Hothersall. 2,380,440; July 31.
Control apparatus. J. B. McMahon. 2,380,858; July 31.
Control exchange for heat exchange systems. W. L. Hand. 2,380,839; July 31.
Control mechanism, Fluid pressure. W. A. Eaton. 2,380,507; July 31.
Control mechanism, Fluid pressure. T. J. Turak. 2,380,558; July 31.
Control valve. G. H. Palm. 2,380,608; July 31.
Converter, Arc-welding. M. Morrison. 2,380,668; July 31.
Conveyer. R. E. Briggs. 2,380,384; July 31.
Cooler. B. Essick. 2,380,586; July 31.
Copyfilms for lenticular sound tracks. C. J. Dippel, K. J. Keuning, H. J. Jules and R. L. H. Van Hoestenberghe. 2,380,585; July 31.
Couplers for photographic color development, Color. H. Verkinderen and N. Vankeirsbilck. 2,380,809; July 31.
Coupling: *See*—
  Flexible coupling. Fluid coupling.
Coverall. I. L. Freedman. 2,380,423; July 31.
Crib. C. E. Webb. 2,380,812; July 31.
Crusher, Rock. A. R. Ebersol. 2,380,419; July 31.
Curler, Hair. A. Reiter. 2,380,674; July 31.
Cutoff valve. W. C. Buttner. 2,380,576; July 31.
Cutting attachment for beet harvesters, Leaf. H. V. Lea, L. W. Schmidt and G. P. du Bose. 2,380,701; July 31.
Cutting device. R. Pimentel. 2,380,898; July 31.
Cutting machine, Meat. W. Lasar. 2,380,700; July 31.
Damper, Vibration. F. R. McFarland. 2,380,770; July 31.
Dehydrating apparatus. W. J. Sholar. 2,380,555; July 31.
Dehydrogenation of hydrocarbons. W. A. Schulze, J. C. Hillyer and H. E. Drennan. 2,380,876; July 31.
Device adopted for detachably coupling to eye-glasses for protecting the lenses. L. D'Urbano. 2,380,638; July 31.
Device for cutting sponge rubber or the like. F. G. Pierce and A. H. DeGroote. 2,380,787; July 31.
Device in motor saws. C. G. Härd af Segerstad. 2,380,753; July 31.
Die and ejector, Nut retainer. P. De Loe. 2,380,584; July 31.
Die for coating fiber-insulated wire. R. H. Denham. 2,380,728; July 31.
Die for coating ribbon wire. R. L. Kierspe. 2,380,729; July 31.
Diene hydrocarbons, Polymerization of conjugated. G. L. Browning, Jr., W. D. Stewart and B. M. G. Zwicker. 2,380,403–5; July 31.
Diene hydrocarbons, Polymerization of conjugated. C. F. Fryling. 2,380,426; July 31.
Differential mechanism. F. H. Boor. 2,380,397; July 31.
Diiatometer. C. F. Wetherbee. 2,380,565; July 31.
Dinnerware lining machine. W. H. Emerson. 2,380,509; July 31.
Diolefin mono-sulphones, Decomposition of. F. E. Frey and H. J. Hepp. 2,380,832–3; July 31.
Diolefins, Purification or aliphatic conjugated. F. E. Frey. 2,380,831; July 31.
Discharge device, Electronic. J. E. Clark, C. E. Fay and V. L. Ronci. 2,380,502; July 31.
Disengageable slip clutch. J. T. Barron. 2,380,572; July 31.
Disk diamond dressing tool. C. J. Koebel. 2,380,451; July 31.
Dispenser. H. C. Gessler. 2,380,906; July 31.
Dispensing and display case, Modern food. J. H. Walborn. 2,380,712; July 31.
Dispensing device. C. E. Lebrecht. 2,380,533; July 31.
dl-tryptophane and producing the same. E. T. Stiller. 2,380,479; July 31.
Dolomite, Producing burnt. W. Syz. 2,380,480; July 31.
Door lock. W. R. Schlage and W. H. Hahir. 2,380,708; July 31.
Dragline control. W. R. Harding and L. G. Opel. 2,380,431; July 31.
Dresser, Wheel contour. W. H. Hahir. 2,380,693; July 31.
Drilling apparatus. C. G. Eden. 2,380,736; July 31.
Driving dog for grinders and the like. C. A. Baker. 2,380,381; July 31.
Duplicating machine. F. R. Ford. 2,380,744; July 31.
Dyeing. C. M. Croft and W. H. Hindle. 2,380,503; July 31.
Dyes, Disazo naphthopyridine. C. S. Argyle. 2,380,488; July 31.
Ejector. D. F. Winteringham. 2,380,714; July 31.
Electric apparatus. C. M. Wheeler. 2,380,813; July 31.
Electric circuit. W. N. Olson. 2,380,865; July 31.
Electric circuit breaker. S. B. Woolard. 2,380,817; July 31.
Electric condenser. C. E. Maitland. 2,380,774; July 31.
Electric controlling system. A. Patin. 2,380,784; July 31.
Electric current rectifier of the selenium type, Alternating. L. E. Thompson and A. Jenkins. 2,380,880; July 31.
Electric regulating apparatus. E. H. Haug. 2,380,521; July 31.

Electric lantern. E. E. Drumm. 2,380,636–7; July 31.
Electric switch plug and socket indicator. L. Frank. 2,380,588; July 31.
Electrode, Electrolytic recording. H. C. Ressler. 2,380,467; July 31.
Electrode feeding appliance. K. Klopfer. 2,380,450; July 31.
Electron discharge device. J. G. Beard. 2,380,496; July 31.
Electron discharge tube. H. J. L. Herne. 2,380,757; July 31.
Enclosure and sealing same, Sealed. W. R. Walker. 2,380,811; July 31.
Engine: *See*—
Internal-combustion engine.
Enlarger, Automatic miniature. C. E. Young Berg. 2,380,818; July 31.
Enrober or chocolate coating machine. A. A. Tunley. 2,380,806; July 31.
Esters of cellulose, Preparing mixed polycarboxylic acid. F. J. Kaszuba. 2,380,896; July 31.
Esters of salicylic acid monosulphide and salts thereof. E. W. Cook and W. D. Thomas, Jr. 2,380,685; July 31.
Esters of s-alkylol isothioureas, Carboxylic acid. D. W. Jayne, Jr., and H. M. Day. 2,380,697; July 31.
Ethers, Purification of aliphatic. J. C. Hillyer. 2,380,524; July 31.
Extractive distillation. G. C. Cunningham. 2,380,723; July 31.
Eye exercising device. R. E. Eaves. 2,380,508; July 31.
Fabric with elastic selvage, Knitted. R. H. Lawson. 2,380,768; July 31.
Fabrics and producing the same. H. Meyer. 2,380,775; July 31.
Fastener: *See*—
Separable fastener. Shiftable cowl fastener.
Fastener. A. R. Adams. 2,380,568; July 31.
Faucet attachment. M. Durst. 2,380,687; July 31.
Feed for fountain pens. D. Juelss. 2,380,763; July 31.
Feed for plastic molding machines. F. W. McIntyre. 2,380,536; July 31.
Ferrous metal articles, Producing. F. G. Buffum. 2,380,385; July 31.
File, Desk. G. J. Sengbusch. 2,380,678; July 31.
Filling machine, Liquid. C. W. Heinle. 2,380,434; July 31.
Film reel. J. Robertson. 2,380,790; July 31.
Fins from molded products, Removing. W. E. Kopplin. 2,380,653; July 31.
Firearm, Automatic. H. Lippert and E. Hepperle. 2,380,455; July 31.
Fishing reel. N. A. Nelson. 2,380,670–1; July 31.
Fixture, Clamping. N. M. Marsilius. 2,380,661; July 31.
Fixture, Layout. C. H. Miller. 2,380,664; July 31.
Fixture, Shower. C. R. Morris. 2,380,665; July 31.
Flange and fairing assembly, Wheel rim. C. Hollerith. 2,380,649; July 31.
Flexible coupling. G. R. Harrington. 2,380,646; July 31.
Flexible coupling. W. H. Opitz. 2,380,672; July 31.
Flow control apparatus. M. Gottlieb. 2,380,836; July 31.
Flowmeter. H. J. Bowie. 2,380,399; July 31.
Fluent fuel burner. A. J. Poole. 2,380,463; July 31.
Fluid clutch. W. R. McKay. 2,380,660; July 31.
Fluid coupling. W. S. Wolfram. 2,380,681; July 31.
Fluid pump. C. H. Nystrom. 2,380,607; July 31.
Folding support. S. T. Howard. 2,380,441; July 31.
Foundation, Adjustable building. F. Gunnison. 2,380,692; July 31.
Fractionating plate construction. P. Lambert, R. H. Riemenschneider, and J. A. Gibb. 2,380,852; July 31.
Frame: *See*—
Bicycle frame.
Frequency measuring system. H. O. Peterson. 2,380,868; July 31.
Friction device. S. K. Wellman. 2,380,900; July 31.
Fuel injection pump. L. Beeh, J. O. Forster, and W. E. Meyer. 2,380,574; July 31.
Fuel knock rating, Motor. J. D. Morgan and P. B. Levitt. 2,380,704; July 31.
Fuel pump. C. J. Lauer and R. L. Bowers. 2,380,656; July 31.
Fuse. H. Junghans. 2,380,764; July 31.
Galvanometer. W. H. Pearce. 2,380,609; July 31.
Garment protecting hanger. S. Axelrod. 2,380,375; July 31.
Gas pressure regulator. F. Niesemann. 2,380,459; July 31.
Gate valve. J. L. Henderson. 2,380,647; July 31.
Gauge: *See*—
Taper gauge. Tool setting gauge.
Gear: *See*—
Ball bearing screw and nut gear.
Gear construction. E. F. Miller. 2,380,776; July 31.
Gearing for aircraft propellers, Change-speed. O. H. Banker. 2,380,390; July 31.
Gels and composition, Producing pectinous. L. H. Evans and L. J. Huber. 2,380,739; July 31.
Generator: *See*—
Vapor generator.
Glutamic acid hydrochloride, Preparation of. V. S. Waters. 2,380,890; July 31.
Granular materials, Washing of. F. Trostler, V. Water, W. R. Skelton, and L. O. Henschel. 2,380,881; July 31.
Grate, Emergency. R. C. Cross. 2,380,630; July 31.
Grate, Furnace. G. A. Kohout. 2,380,452; July 31.
Grease composition, Lubricating. J. C. Zimmer and A. J. Morway. 2,380,893; July 31.
Grinding machine. P. H. Hutchinson. 2,380,761; July 31.
Grinding machine, Thread. F. Turrettini. 2,380,883; July 31.
Guide, Winch cable. W. L. Stover. 2,380,801; July 31.
Gun assembly. R. L. McMullen. 2,380,773; July 31.
Gyroscope, Bottom heavy. F. W. Meredith. 2,380,538; July 31.
Hanger: *See*—
Garment protecting hanger.
Headlight, Antiglare. J. W. Kolb. 2,380,849; July 31.
Heater. H. J. De N. McCollum. 2,380,602; July 31.
Heater. J. Primrose and C. E. McCulloch. 2,380,464; July 31.
High lift valve. B. Cones. 2,380,631; July 31.
Holder: *See*—
Piezoelectric crystal holder.
Holder and opener for containers of additive liquid. M. W. Shayeson. 2,380,472; July 31.
Holder for brooches, Display. M. Goodman. 2,380,688; July 31.
Homogenizer. J. B. McFadden. 2,380,856–7; July 31.
Hopper construction. J. P. Durning. 2,380,733; July 31.
Housing for electric apparatus. J. W. Owens. 2,380,782; July 31.
Hydraulic circuit. G. A. Wahlmark. 2,380,810; July 31.
Hydraulic clutch or coupling, Torque control. J. Hertrich. 2,380,596; July 31.
Hydraulic compensation system. D. H. Brown. 2,380,575; July 31.
Hydraulic transmission. R. R. Eastin. 2,380,734; July 31.
Hydrocarbon conversion process. J. C. Bailie. 2,380,489; July 31.
Hydrocarbon treatment, Residual. J. R. Bates. 2,380,391; July 31.
Ignition means. M. C. Sawyer. 2,380,707; July 31.
Implement construction. L. Heckathorn. 2,380,594; July 31.
Indexing mechanism. R. A. Schafer and R. Rodal. 2,380,873; July 31.
Indicating aircraft flight condition. V. De Samsonow. 2,380,635; July 31.
Indicating apparatus, Resonance. C. A. Rosencrans. 2,380,791; July 31.
Indicator: *See*—
Electric switch plug and socket indicator.
Indicator and recorder for molten glass, Level. R. E. Holdman. 2,380,436; July 31.
Injection press. W. R. Tucker. 2,380,882; July 31.
Injector, Hypodermic. M. L. Lockhart. 2,380,534; July 31.
Internal-combustion engine. J. M. Murdock. 2,380,778; July 31.
Internal-combustion engine charge-forming apparatus. R. M. Anderson. 2,380,374; July 31.
Iron, Production of low sulphur sponge. R. C. Buehl. 2,380,406; July 31.
Jack: *See*—
Pump jack.
Jack for multiple plug-in connectors, Pin. A. G. Heller. 2,380,908; July 31.
Joint: *See*—
Attachment joint. Pipe joint.
Journal means for shafts, Sectional. E. S. Aker. 2,380,715; July 31.
Kiln drying. F. W. Gottschalk and H. W. Angell. 2,380,518; July 31.
Knitting machine. E. Brooksby and F. E. Deans. 2,380,822; July 31.
Lacquers and coatings, Providing protective and decorative. C. E. Maier, S. L. Fiugge, and E. C. Pfeffer. 2,380,456; July 31.
Lactones of 2-alkyl-3-alkoxy-4-hydroxymethyl-5-carboxypyridine. E. T. Stiller. 2,380,478; July 31.
Lamp making apparatus. J. Flaws, Jr. 2,380,742; July 31.
Lasting machine. P. E. Burby. 2,380,407; July 31.
Latch. M. Ostrom. 2,380,543; July 31.
Lathe. L. D. Tyson. 2,380,808; July 31.
Lens assembly. T. I. Ress. 2,380,613; July 31.
Lens mounting. W. C. Eddy. 2,380,829; July 31.
Light: *See*—
Black-out marker light.
Lighting control system. F. Willis, Jr. 2,380,486; July 31.
Lignin and production. R. Katzen. 2,380,448; July 31.
Liquor, Decomposition of sodium aluminate. H. Tiedemann. 2,380,804; July 31.
Lock: *See*—
Combination lock. Door lock.
Locking device, Window. T. Hannon. 2,380,694; July 31.

Loom: *See*—
Weft replenishing, pick-and-pick, filling mixing loom.
Loud speaker. J. P. Quam. 2,380,869; July 31.
Lubricator: *See*—
Wheel flange lubricator.
Lubricant. S. E. Jolly. 2,380,531; July 31.
Machine for cutting tubular members into rings. J. W. Howlett. 2,380,695; July 31.
Machine for generating curved surfaces. W. J. Joyce and G. W. Jackson. 2,380,446; July 31.
Machine for making multiply boards. J. U. Forbes. 2,380,512; July 31.
Machine tool. M. G. Goetze. 2,380,747; July 31.
Magnesium base alloy. J. D. Hanawalt. 2,380,838; July 31.
Magnesium, Production of. R. C. Kirk. 2,380,449; July 31.
Magnet, Permanent. N. Urquhart. 2,380,560; July 31.
Magnetic contact. A. H. Lamb. 2,380,851; July 31.
Magnetic system. J. L. Snoek and L. Alons. 2,380,616; July 31.
Measuring device, Drink. W. Von Stoeser and F. H. Osborne. 2,380,884; July 31.
Mechanism for controlling total and sub-total taking operations for typewriting calculating machines. H. E. Kämmel. 2,380,598; July 31.
Mechanism for machine guns, Solenoid initialing. L. V. E. Quinnell and J. C. Koonz. 2,380,611; July 31.
Metal sheets, Cleaning. E. Reed. 2,380,550; July 31.
Mica, Method and apparatus for delaminating. F. E. Fisher. 2,380,741; July 31.
Microphone circuit. H. C. Hornickel. 2,380,438; July 31.
Milling machine. N. M. Marsilius. 2,380,859; July 31.
Mineral oil, Desalting. G. S. Nees and R. B. Perkins, Jr. 2,380,458; July 31.
Mitten. O. C. Daiber. 2,380,633; July 31.
Molten Be-containing alloys for casting, Conditioning. F. O'N. Wyllie. 2,380,566; July 31.
Mono- and di-alkyl esters of sulphuric acid, Separation of. H. F. Kohler. 2,380,532; July 31.
Mosaic Electrodes, Manufacturing. H. B. DeVore. 2,380,505; July 31.
Motion picture theater. T. C. Gray. 2,380,837; July 31.
Motor: *See*—
Windshield wiper motor.
Mounting: *See*—
Auxiliary mounting. Ophthalmic mounting.
Lens mounting.
Mounting. N. B. Strachovsky. 2,380,899; July 31.
Mounting for automatic firearms arranged on aircraft. T. Schmeider. 2,380,470; July 31.
Mounting rolls in dispensing cabinets. C. A. Grondona. 2,380,644; July 31.
Multiple spraying device. A. H. Downs. 2,380,827; July 31.
Necking-in machine, Can body. J. F. Peters. 2,380,462; July 31.
Nozzle, Blowpipe. R. S. Babcock. 2,380,570; July 31.
Nozzle for vaporizing burners, Regulating. C. B. Holm. 2,380,759; July 31.
Nozzle, Spray. H. S. Garabedian. 2,380,513; July 31.
Oil, Coking hydrocarbon. H. Wilson. 2,380,713; July 31.
Oil from oil-bearing materials, Producing. C. W. Kaufman. 2,380,847; July 31.
Oil, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,380,454; July 31.
Oil, Production of. W. G. Eris. 2,380,639; July 31.
Oils, High iodine value. L. O. Buxton. 2,380,412; July 31.
Oils, Processing hydrocarbon. E. V. Murphree, A. Voorhies, Jr., L. S. Bonnell, and L. S. Tregre. 2,380,897; July 31.
Oils, Refining marine. L. O. Buxton. 2,380,411; July 31.
Oils, Treating marine. L. O. Buxton. 2,380,408; July 31.
Oils, Treatment of animal and vegetable. L. O. Buxton. 2,380,413; July 31.
Oils, Treatment of drying. H. G. Berger, G. S. Crandall, and J. F. Socolofsky. 2,380,394; July 31.
Ophthalmic mounting. E. D. Tillyer, W. J. Joyce, and H. R. Moulton. 2,380,481; July 31.
Optical objective. A. Warmisham. 2,380,888; July 31.
Optical reflecting material. T. G. Jungersen. 2,380,447; July 31.
Optical system. A. Warmisham. 2,380,887; July 31.
Outlet box support. E. H. Rugg. 2,380,793; July 31.
Outlet connection for liquid containing tanks. W. K. Ebel and F. J. Pepersack. 2,380,735; July 31.
Oxygen, Process and apparatus for producing industrial. W. L. De Baufre. 2,380,417; July 31.
Package, Sealed. W. K. Berthold. 2,380,395–6; July 31.
Packaging apparatus and method. W. D. Young. 2,380,624; July 31.
Paddle. J. K. Reed. 2,380,870; July 31.
Pan, Colostomy. I. D. Fenwick. 2,380,740; July 31.
Paper for stencil sheets, Manufacture of. I. E. Berkovits. 2,380,718; July 31.
Phonograph. C. W. Dann. 2,380,727; July 31.
Phonograph. W. A. Hardy. 2,380,754; July 31.
Phonograph mechanism. J. J. Shively and H. R. Van Deventer. 2,380,799; July 31.
Photographic apparatus, Automatic. P. S. Allen. 2,380,378; July 31.
Piezoelectric crystal holder. H. L. Gordon. 2,380,592; July 31.
Pilot with automatic banking, Aircraft automatic. C. A. Frische and G. N. Hanson. 2,380,425; July 31.
Pin setter, Bowling. H. J. Luth, S. F. Krupnick, and R. H. Hansen, Jr. 2,380,601; July 31.
Pipe joint. J. B. Graham. 2,380,690; July 31.
Piston for internal-combustion engines. R. M. Hall. 2,380,907; July 31.
Piston ring. C. F. Engelhardt. 2,380,421; July 31.
Piston ring. E. A. Koether. 2,380,767; July 31.
Piston ring manufacture. P. S. Lane and D. Hamm. 2,380,654; July 31.
Pitter, Continuous peach. P. Jepson. 2,380,530; July 31.
Plant treatment composition. J. H. Davidson. 2,380,416; July 31.
Plastic compositions and making the same. O. M. Reiff and J. D. Zech. 2,380,466; July 31.
Plate, Clutch. G. I. Goodwin. 2,380,835; July 31.
Plug: *See*—
Spark plug.
Pneumatic ejector. H. T. Jeffery. 2,380,651; July 31.
Pocket calculating machine. A. M. Josepho. 2,380,846; July 31.
Power factor controlling apparatus. E. H. Haug. 2,380,522; July 31.
Press: *See*—
Injection press.
Prism system. H. Schmarion. 2,380,469; July 31.
Processing machine. T. G. McDougal. 2,380,659; July 31.
Projection stand. B. A. Cousino. 2,380,632; July 31.
Propeller. J. E. Carol. 2,380,683; July 31.
Propeller, Automatic area control. H. W. Mollenhauer. 2,380,540; July 31.
Protector: *See*—
Collet jaw protector.
Protective system. O. C. Traver and G. W. McKenna. 2,380,805; July 31.
Pulp, Production of refined wood. G. A. Richter. 2,380,706; July 31.
Pump: *See*—
Fluid pump. Fuel injection pump.
Fuel pump.
Pump jack. W. E. Cummins. 2,380,686; July 31.
Pump or motor, Balanced ball type vane. G. A. Waldie. 2,380,886; July 31.
Pump or motor, Rotary. B. D. Allbaugh. 2,380,819; July 31.
Pump structure. R. W. Painter. 2,380,783; July 31.
Radio tube socket. A. W. Franklin. 2,380,589; July 31.
Railway car. O. Jabelmann. 2,380,528; July 31.
Railway traffic controlling apparatus. F. H. Nicholson. 2,380,864; July 31.
Reamer, cylinder ridge. W. F. Mitchell. 2,380,605; July 31.
Reamer, Spring blade. J. Gordon. 2,380,517; July 31.
Receiver, Ash. R. N. Baylis. 2,380,377; July 31.
Recorder, Duplicating. W. H. Tribble. 2,380,482; July 31.
Recording and reproducing, Magnetic. S. J. Begun. 2,380,392; July 31.
Reel: *See*—
Film reel. Fishing reel.
Refrigeration, Means for. M. H. McMechan. 2,380,537; July 31.
Refrigerator. J. W. Chamberlain. 2,380,901; July 31.
Regulating the head and capacity of centrifugal pumps, Method and apparatus for. L. F. Moody. 2,380,606; July 31.
Regulator: *See*—
Gas pressure regulator.
Relay. E. R. Morton. 2,380,541; July 31.
Remote-control plant. W. Koenig. 2,380,766; July 31.
Resin composition, Plasticized. H. Kline. 2,380,599; July 31.
Resins, Making stable polyvinyl acetal. J. Dahle. 2,380,824; July 31.
Ring: *See*—
Piston ring.
Road building machine and concrete spreader, Combination. J. N. Heltzel. 2,380,435; July 31.
Root starch process. R. M. Schilling and G. J. Mitchell. 2,380,874; July 31.
Rotary engine or blower device. B. C. Grieb. 2,380,752; July 31.
Rotatable structure. H. Michaels. 2,380,862; July 31.
Routing apparatus. O. N. Gove and L. L. Miller. 2,380,750; July 31.
Safety control apparatus for gaseous fuel burners. S. G. Eskin. 2,380,640; July 31.
Safety device for catalytic converters. D. B. Banks. 2,380,495; July 31.
Safety razor with a comb member co-operating with one or more cutters. P. H. Pedersen and H. Nielsen. 2,380,461; July 31.
Salts, Mono-alkenyl-succinic acid mono-ester. L. P. Kyrides. 2,380,699; July 31.

Sand blasting. A. H. Eppler. 2,380,738; July 31.
Sander, Track. V. L. Frantz. 2,380,745; July 31.
Saponification process, Continuous. J. J. Jacobs. 2,380,650; July 31.
Scraper. M. S. Lower. 2,380,855; July 31.
Screw and nut gear, Ball bearing. R. P. Means, Jr. 2,380,662; July 31.
Screw, Wood. E. G. Crooks. 2,380,724; July 31.
Scrubber, Flue gas. M. I. Dorfan. 2,380,826; July 31.
Seat attachment for crutches. W. F. Homrighausen. 2,380,437; July 31.
Self-quiz testing device. C. Lorber. 2,380,657; July 31.
Separable fastener. M. Winterhalter. 2,380,623; July 31.
Serving device, Food. H. G. Zola. 2,380,629; July 31.
Servo unit. C. E. Fitch. 2,380,510; July 31.
Sewing machine. C. T. Walter. 2,380,912; July 31.
Shaft aligning apparatus. O. W. Packer. 2,380,867; July 31.
Shaking and conveying machine. L. R. Newton. 2,380,910; July 31.
Sharpening instrument. B. M. Miller. 2,380,539; July 31.
Sheet material, Manufacture of. R. G. Jackson. 2,380,762; July 31.
Sheet metal lagging tool. A. Osborne. 2,380,781; July 31.
Shiftable cowl fastener. F. E. Johnson. 2,380,895; July 31.
Shingle or tile, Roofing. G. B. Booth. 2,380,398; July 31.
Shoe. D. J. Calderazzo. 2,380,577; July 31.
Shovel, crane, and the like, Mobile power. R. H. Zeilman and A. Smythe. 2,380,626; July 31.
Shovel, crane, and the like, Power. R. H. Zeilman and A. Smythe. 2,380,625; July 31.
Signal device for aircraft, etc., Distress. E. I. Fenton. 2,380,587; July 31.
Signal modulation means. M. Morrison. 2,380,667; July 31.
Silencer, Valve stem. A. Pastore. 2,380,673; July 31.
Simplified brake valve. R. E. Middleton. 2,380,663; July 31.
Skinner, Rotary fish. J. D. Hendrickson. 2,380,755; July 31.
Soap preserver. M. C. White. 2,380,892; July 31.
Sodium perborate of low bulk density, Preparing. H. Nees. 2,380,779; July 31.
Soluble benzyl ether of dextran. G. L. Stahly and W. W. Carlson. 2,380,879; July 31.
Sound modifier. C. Huenlich. 2,380,845; July 31.
Spark plug. C. Cipriani. 2,380,579; July 31.
Spectrometer, Mass. E. E. Hoskins and R. V. Langmuir. 2,380,439; July 31.
Spool for ribbons and other narrow fabrics. K. Freiler. 2,380,641; July 31.
Spout, Pouring. B. Robinson. 2,380,871; July 31.
Spring wheel. F. D. Goodlake. 2,380,749; July 31.
Stand: *See*—
Projection stand.
Staple. R. A. Percoco. 2,380,786; July 31.
Staple and method of stapling. J. C. Lang. 2,380,655; July 31.
Stapling machine. R. A. Percoco. 2,380,785; July 31.
Starch product, Preparation of modified. R. W. Kerr. 2,380,848; July 31.
Steering mechanism for tractor cranes. F. E. Terrill. 2,380,619; July 31.
Sterilizing. L. H. James. 2,380,696; July 31.
Steroidal compounds and obtaining the same. R. B. Wagner. 2,380,483–4; July 31.
Stiffener, Bladder. J. W. Overbeke. 2,380,866; July 31.
Stock having a square hole and making said stock, Metal. E. A. Zempel. 2,380,628; July 31.
Stoker apparatus. W. T. Hanna. 2,380,840; July 31.
Sulphite liquor, Purifying. G. J. D. Danielsson. 2,380,504; July 31.
Supply controlling means for furnaces and the like, Air and fuel. H. E. Blauvelt. 2,380,719; July 31.
Support: *See*—
Folding support.
Outlet box support.
Support stop, Bobbin. A. Shoesmith. 2,380,709; July 31.
Surfacing machine, Billet. J. L. Anderson. 2,380,569; July 31.
Sweeper, Carpet. P. J. Daniels. 2,380,634; July 31.
Switch control mechanism. T. M. Ball. 2,380,491–4; July 31.
Switch operating apparatus, Railway. H. L. Bone. 2,380,820; July 31.
Switches, Control of electric. H. E. Strang. 2,380,802; July 31.
Synchronizer, Blocker. J. G. Tyken. 2,380,559; July 31.
Synchronizing and phrasing system. G. V. Nolde. 2,380,542; July 31.
Syringe device. A. E. Smith. 2,380,556; July 31.
Table. C. W. Attwood. 2,380,379; July 31.
Table attachment, Pool. R. J. Henry. 2,380,756; July 31.
Taper gauge. T. O. Rueb. 2,380,792; July 31.
Tapping machine. C. M. Allen. 2,380,367; July 31.
Telegraph signal transmission system. M. Morrison. 2,380,666; July 31.
Tensiometer. M. Hattan. 2,380,433; July 31.
Tensioning and locking device for frameless window screens. D. J. Rust. 2,380,794; July 31.
Thermoplastic construction. J. P. Gits. 2,380,515; July 31.
Thread and product thereof, Handling elastic. S. W. Alderfer. 2,380,373; July 31.
Threading and testing machine. J. E. Heckethorn. 2,380,841; July 31.
Tire vulcanizing apparatus. T. P. Bacon, Jr. 2,380,380; July 31.
Tool: *See*—
Cable tool.
Disk diamond dressing tool.
Machine tool.
Sheet metal lagging tool.
Tool setting gauge. A. T. Hanes, Jr. 2,380,593; July 31.
Toy, Pull. H. Gold and R. Paul. 2,380,748; July 31.
Transport vehicle. J. A. Watson, Jr. 2,380,562; July 31.
Tripod, Folding. T. Petersen. 2,389,911; July 31.
Truck body and sub-frame construction. A. F. Meyer and H. C. French. 2,380,861; July 31.
Truck, Car. R. C. Pierce. 2,380,902; July 31.
Tube: *See*—
Electron discharge tube.
Tubular construction. O. Rasor. 2,380,549; July 31.
Tumbler. J. P. Jorgenson and A. G. Kling. 2,380,652; July 31.
Tunnel balance, Wind. C. Goldberg. 2,380,516; July 31.
Turbodrive control. H. O. Schjolin. 2,380,677; July 31.
Tubosuperchargar system. S. A. Moss. 2,380,777; July 31.
Typewriter escapement control mechanism. H. M. Harrison. 2,380,432; July 31.
Unsaturated ketones, Production of. R. R. Driesbach and G. B. Heusted. 2,380,828; July 31.
Vacuum cleaner. J. N. Baker. 2,380,382; July 31.
Valve: *See*—
Control valve
Cutoff valve.
Gate valve.
High lift valve.
Simplified brake valve.
Variable sensitivity control valve.
Valve. W. C. Hess. 2,380,597; July 31.
Valve and valve seat for internal-combustion engines, Poppet. W. R. Breeler and G. M. Butler, Jr. 2,380,821; July 31.
Valve element. C. H. Lorig. 2,380,854; July 31.
Valve operating means. W. O. Stanton. 2,380,904; July 31.
Vapor generator. M. Frisch. 2,380,424; July 31.
Variable condenser. C. J. McDonough. 2,380,603; July 31.
Variable sensitivity control valve. R. R. Proctor. 2,380,705; July 31.
Vegetables to remove unwanted particles therefrom, Method and apparatus for treating. W. S. Boynton. 2,380,498; July 31.
Vehicle: *See*—
Transport vehicle.
Vehicle body structure. H. A. Hicks, I. E. Johnson, and A. W. Ross. 2,380,523; July 31.
Ventilating apparatus for toilet hoppers. H. P. Wheeler. 2,380,891; July 31.
Vibration-translating device. K. J. Germeshausen. 2,380,514; July 31.
Vibrator, Electromagnetic. C. S. Weyandt. 2,380,622; July 31.
Vitamin concentrates, Production of. L. O. Buxton. 2,380,409; July 31.
Vitamin concentration, Fat-soluble. L. O. Buxton. 2,380,414; July 31.
Vitamin-containing materials, Treatment of fat-soluble. B. A. Dombrow. 2,380,418; July 31.
Vitamin ester concentration process, Fat-soluble. L. O. Buxton. 2,380,410; July 31.
Washer with oscillating tub, Fluid agency clothes. W. Rocke. 2,380,872; July 31.
Washing machine. G. W. Dunham. 2,380,732; July 31.
Water heating apparatus. E. G. Pankow. 2,380,545; July 31.
Water soluble compounds having vitamin K activity. B. R. Baker. 2,380,716; July 31.
Water treatment. H. V. and M. C. Smith. 2,380,800; July 31.
Weft replenishing, pick-and-pick, filling mixing loom. A. Palmer and E. A. Santon. 2,380,544; July 31.
Welding apparatus. V. G. Jarman. 2,380,529; July 31.
Well head and casing suspension structure. H. Allen. 2,380,388; July 31.
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Spring wheel.
Wheel and driving same, Gyro. B. G. Carlson. 2,380,578; July 31.
Wheel and tire lift, Dual. E. R. Carruthers. 2,380,415; July 31.
Wheel flange lubricator. B. E. Folk and H. Winther. 2,380,743; July 31.
Windshield wiper motor. F. G. and W. M. Folberth. 2,380,511; July 31.
Wrapping machine and method. A. W. Witbro. 2,380,816; July 31.
Zein solutions, Stabilization of. H. J. Hagemeyer, Jr. 2,380,429; July 31.
Zinc condenser. A. L. J. Queneau. 2,380,548; July 31.

CLASSIFICATION OF PATENTS

ISSUED JULY 31, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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THE

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Total	1,498		

Disclaimers

1,818,563.—*Walter C. Lindemann* and *Edwin A. Rutenber*, Milwaukee, Wis. THERMOSTATIC DEVICE. Patent dated Aug. 11, 1931. Disclaimer filed July 2, 1945, by the assignee, *Automatic Products Company*.

Hereby enters this disclaimer to claim 1 of said patent.

2,145,633.—*Eugene Roberts*, Hastings, N. Y. CENTRIFUGAL APPARATUS. Patent dated Jan. 31, 1939. Disclaimer filed June 30, 1945, by the assignee, *The Western States Machine Company*.

Hereby enters this disclaimer to claims 10 and 12 in said specification.

2,145,633.—*Eugene Roberts*, Hastings, N. Y. CENTRIFUGAL APPARATUS. Patent dated Jan. 31, 1939. Disclaimer filed July 3, 1945, by the assignee, *The Western States Machine Company*.

Hereby enters this disclaimer to claims 6, 9, 10, 11, and 12 in said specification.

Notices

Attention is called to the denunciation of the Protocol of the Inter-American Convention for Trade-Mark and Commercial Protection of 1929, made by the State Department on September 29, 1944, effective one year from that date. No applications can be forwarded to the Bureau at Habana after September 29, 1945. Inasmuch as some time is required for the due preparation of an application to be forwarded to the Bureau, this Office will not accept any applications for Inter-American registration after September 14, 1945. All correspondence incident to applications filed previous to that date will be conducted in the usual manner.

CASPER W. OOMS,
Commissioner of Patents.

Under the provisions of Public Law 239—77th Congress, licenses to file, in all foreign countries, except Germany, Japan and Japanese occupied countries, applications for patents and for the registration of utility models, industrial designs or models in respect of any invention made in the United States, will be considered by the War Division and may be granted, upon approval of the Foreign Economic Administration, provided such applications do not disclose any invention which should be kept secret under the provisions of Public No. 700—76th Congress.

Although applications may be licensed by the Patent Office for filing in such foreign countries, with the approval of the Foreign Economic Administration, any financial transactions resulting from the filing, prosecution or issuance of such applications must be made under license by the Treasury Department (see T. D. General License No. 72A).

Before filing a petition for license to file an application in any such foreign country, applicant should, in each case, determine that applications for patents are acceptable in such country and also that the United States Post Office will accept packages for mailing to such country.

CONDER C. HENRY,
Assistant Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 13, 1945.*

Stevens Pharmacal Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Rose B. Caldwell, 66 East Walton St., Chicago, Illinois, for registration of a trade-mark and trade-mark registered January 4, 1927, No. 222,689, to Stevens Pharmacal Co., of 4750 Sheridan Road, Chicago, Illinois, and the notice of such proceeding sent by registered mail to said Stevens Pharmacal Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Stevens Pharmacal Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Acting Commissioner.

Condition of Applications Under Examination at Close of Business July 21, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 65,879; Trade-Mark Division, 2,798. Oldest new case, August 12, 1944; oldest amended, August 9, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 1	Nov. 17	984
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 31	Sept. 8	1214
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 12	Oct. 10	1264
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 26	Oct. 9	914
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 12	Aug. 9	1656
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 24	Dec. 11	1176
7. JARBOE, C. G., Optics, Photography	†Feb. 19	†Feb. 16	987
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 18	†Feb. 2	973
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 9	Oct. 14	1135
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 24	†Mar. 14	329
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 7	Aug. 12	1386
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	Nov. 7	912
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 27	Sept. 26	789
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 30	Dec. 8	828
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 15	†Jan. 15	770
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 15	Sept. 18	645
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 27	Oct. 21	1118
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 29	Oct. 23	704
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 5	†Jan. 26	727
21. THOMPSON, T. J., Textiles	†Jan. 31	†Jan. 19	453
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 2	Nov. 28	1335
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Dec. 7	143
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 2	†Feb. 1	828
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Oct. 18	Nov. 7	969
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 17	Oct. 10	1148
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 8	1016
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Sept. 9	Sept. 7	994
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Oct. 17	Oct. 5	1168
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 1	Dec. 4	1232
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Mar. 1	†Mar. 2	740
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Jan. 8	†Jan. 24	902
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 20	Dec. 21	1057
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 23	Nov. 9	638
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 9	Oct. 18	945
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 20	Nov. 21	733
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 20	Sept. 14	1099
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Nov. 6	Nov. 9	859
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 30	Oct. 21	1217
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 23	Nov. 28	1443
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 28	Nov. 14	526
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 15	†Jan. 11	645
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 30	Oct. 24	792
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 25	Aug. 26	670
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 9	Nov. 1	1261
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 23	Oct. 23	740
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Jan. 9	†Jan. 12	1055
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 9	Nov. 9	1194
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Jan. 22	†Jan. 29	669
50. LEVIN, SAMUEL, Synthetic Resins	Dec. 21	Dec. 21	1481
51. CROCKER, A. W., Radiant Energy; Modulators	Nov. 8	Nov. 1	1764
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Sept. 27	Sept. 25	1529
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1275
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 19	Aug. 28	1313
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Dec. 15	Dec. 12	852
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 9	Oct. 6	994
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 7	Oct. 10	1038
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 4	†Jan. 30	740
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 7	Sept. 11	1401
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 31	Nov. 1	1087
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Nov. 23	1024
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 14	Aug. 28	1813
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 10	Sept. 4	1385
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 19	†Mar. 14	741
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 8	Sept. 12	1301
Trade-Marks: RICHMOND, F. A.	†Apr. 2	†May 29	2798
Designs: KALUPY, H. H.	†May 14	†June 18	1159

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

SINCLAIR & CARROLL COMPANY, INC.

v.

INTERCHEMICAL CORPORATION

No. 656. Decided May 21, 1945

[— U. S. —; 65 USPQ 297]

1. PATENTS—SUIT FOR INFRINGEMENT—INQUIRY INTO VALIDITY.

"There has been a tendency among the lower federal courts in infringement suits to dispose of them where possible on the ground of non-infringement without going into the question of validity of the patent. * * * It has come to be recognized, however, that of the two questions, validity has the greater public importance, * * * and the district court in this case followed what will usually be the better practice by inquiring fully into the validity of this patent."

2. SAME—VALIDITY—INVENTION.

"A long line of cases has held it to be an essential requirement for the validity of a patent that the subject-matter display 'invention,' 'more ingenuity . . . than the work of a mechanic skilled in the art.' * * * This test is often difficult to apply; but its purpose is clear. Under this test, some substantial innovation is necessary, an innovation for which society is truly indebted to the efforts of the patentee. Whether or not those efforts are of a special kind does not concern us. The primary purpose of our patent system is not reward of the individual but the advancement of the arts and sciences. Its inducement is directed to disclosure of advances in knowledge which will be beneficial to society; it is not a certificate of merit, but an incentive to disclosure. * * * Consequently it is not concerned with the quality of the inventor's mind, but with the quality of his product."

3. SAME—SAME—SAME—GESSLER PATENT No. 2,087,190.

In view of the finding of the district and circuit courts that a prior article had posed the problem of providing a solvent having the qualities of negligible vapor pressure at room temperature and high vapor pressure at 150° C. in order to compound an ink which would not dry at room temperature but which would dry instantly upon the application of heat after printing, *Held* that it was difficult to believe that if the author had known of the qualities of butyl carbitol and had had before him the catalog which listed that solvent, he or any other person skilled in the art could not have devised such an ink as claimed by Gessler in his patent, No. 2,087,190; and *Held* that this conclusion was reached even through the author had testified that he had worked for over a year trying to produce such an ink and did not succeed.

4. SAME—SAME—SAME—SAME.

Held that four prior patents taught an ink made with a solvent that would be non-volatile at room temperature and highly volatile when heated; that Gessler did not discover butyl carbitol; and that reading a list and selecting a known compound to meet known requirements is not invention.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Second Circuit. Reversed.

Mr. Justice BLACK and Mr. Justice DOUGLAS concurring in the result.

Mr. William D. Mitchell (*Mr. Walter H. Free* and *Mr. Mark N. Donohue* on the brief) for Sinclair & Carroll Company, Inc.

Mr. Robert W. Byerly (*Mr. Ralph M. Watson* on the brief) for Interchemical Corporation.

Mr. Justice JACKSON delivered the opinion of the Court.

This infringement suit was brought by the assignees of a patent on a printing ink. Respondent, Interchemical Corporation, asserts that inks made by the petitioner infringe on claims 3, 10, 11, 12 and 13 of U. S. Patent No. 2,087,190 which was issued to Albert E. Gessler on July 13, 1937. Claim 3, which is typical, is as follows: "A printing ink which is substantially non-drying at ordinary temperatures and dries instantly on heating of the printed matter, consisting of coloring matter dispersed in an organic viscous vehicle consisting of a liquid component and a solid component completely dissolved in the liquid component in sufficient quantity to give the ink the consistency of an ordinary oil-varnish printing ink—the solid component being a member of the group consisting of natural and synthetic resins and cellulose compounds, substantially all of the liquid component having a vapor pressure at 20° C. as low as that of diethylene glycol monobutyl ether at 20° C., and the major part of the liquid component having vapor pressure which at 150° C. approximates that of ethyl alcohol at ordinary temperatures and forming a stable solution with the solid component." In other words, Gessler claims to have invented an ink which will not dry at room temperature but which will dry instantly upon the application of heat after printing. Such an ink is of no particular value in the printing of newspapers or other publications which use absorbent paper. This can be done acceptably with ordinary inks containing linseed oil which is non-volatile at all relevant temperatures. The paper absorbs the ink when one side is printed, and the other side can be printed immediately without danger of smudging.

But the ink disclosed in the patent does have utility in the printing of magazines and other materials which use smooth non-absorbent paper. Since its disclosure by Gessler, it or similar inks which are claimed to infringe, have been used to print "The New Yorker," "Collier's," and "The Saturday Evening Post." Such publications previously would require considerably more time for printing since the reverse side of the paper which they used could not be printed until the first side was dry. Nor could the sheets be stacked or folded without danger of "offset" printing. The smooth paper would not absorb the linseed-oil inks, and delay of from one to twenty-four hours was necessary before printing was sufficiently dry to allow the sheets to be worked upon again.

Many efforts were made to eliminate the necessity for delay. The problem was complicated by the fact that the presses used in this kind of printing are equipped with a long series of ink-distributing rollers to spread out the ink to the optimum thin film before it is applied to the type. Hence,

when inks with volatile components were used, they would dry on the rollers before they got to the type. And if inks with non-volatile ingredients—like linseed oil—were used, they would not dry except by slow oxidation. Other approaches to the solution of the problem included the exposure of sheets printed from linseed-oil inks to ozone, but that process was dangerous and not wholly satisfactory. Gessler's ink combines the qualities of an ink which does not dry on the rollers and one which dries quickly after printing when heat is applied to it.

These characteristics of the ink result from the nature of the solvent which is one of its components. Gessler, in his specification, named butyl carbitol (diethylene glycol monobutyl ether is said to be the more accurate scientific term) but that compound was given only as an example, and most of the inks which his company now makes contain "narrow cuts" of petroleum in place of butyl carbitol. A narrow cut of petroleum consists of only a few kinds of hydrocarbons, and consequently evaporates consistently since each of the hydrocarbons has substantially the same vapor pressure curve. The allegedly infringing inks similarly are made with narrow cuts of petroleum. All of these solvents have the peculiar quality of being relatively non-volatile at ordinary room temperature but highly volatile at a temperature of 150° C., a temperature to which paper can safely be heated without burning. There is no question that inks containing these solvents have enabled magazines to be printed on high-speed rotary presses which are furnished with heating devices, without interruption for drying.

The district court held Gessler's patent invalid because anticipated by the prior art, and held that the petitioner's inks did not infringe. *Interchemical Corporation* v. *Sinclair & Carroll Co.*, 50 F. Supp. 881. The circuit court reversed, holding the patent valid and infringed. *Interchemical Corporation* v. *Sinclair & Carroll Co.*, 144 F.(2d) 842. We granted certiorari. — U. S. —.

[1] There has been a tendency among the lower federal courts in infringement suits to dispose of them where possible on the ground of non-infringement without going into the question of validity of the patent. *Irvin* v. *Buick Motor Co.*, 88 F.(2d) 947, 951; *Aero Spark Plug Co.* v. *B. G. Corp.*, 130 F. (2d) 290; *Franklin* v. *Masonite Corp.*, 132 F.(2d) 800. It has come to be recognized, however, that of the two questions, validity has the greater public importance, *Cover* v. *Schwartz*, 133 F.(2d) 541, and the district court in this case followed what will usually be the better practice by inquiring fully into the validity of this patent.

[2] A long line of cases has held it to be an essential requirement for the validity of a patent that the subject-matter display "invention," "more ingenuity . . . than the work of a mechanic skilled in the art." *Hicks* v. *Kelsey*, 18 Wall. 670; *Slawson* v. *Grand Street R. Co.*, 107 U. S. 649; *Phillips* v. *Detroit*, 111 U. S. 604; *Morris* v. *McMillin*, 112 U. S. 244; *Saranac Automatic Machine Corp.* v. *Wirebounds Patents Co.*, 282 U. S. 704, 405 O. G. 277; *Honolulu Oil Corp.* v. *Halliburton*, 306 U. S. 550, 504 O. G. 287; *Cuno Engineering Corp.*, v. *Automatic Devices Corp.*, 314 U. S. 84, 90, 534 O. G. 699. This test is often difficult to apply; but its purpose is clear. Under this test, some substantial innovation is necessary, an innovation for which society is truly indebted to the efforts of the patentee. Whether or not those efforts are of a special kind does not concern us. The primary purpose of our patent system is not reward of the individual but the advancement of the arts and sciences.[1] Its inducement is directed to disclosure of advances in knowledge which will be beneficial to society; it is not a certificate of merit, but an incentive to disclosure. See *Hartford Empire Co.* v. *United States*, decided Jan. 8, 1945, p. 33. Consequently it is not concerned with the quality of the inventor's mind, but with the quality of his product.

The patent in suit was not the product of long and difficult experimentation. Although like other patent cases, this has an extensive record, it is hard to see wherein Gessler's invention consists. In 1930, he was asked to make an odorless ink, and he selected from a catalog of a chemical manufacturer three solvents which the catalog indicated to be relatively odorless. Their vapor pressures, that is, their rates of evaporation at various temperatures, were also listed. He tried inks made with each of the compounds as a solvent and decided that butyl carbitol was the most satisfactory, since it did not dry while on the rollers, at ordinary temperature.

The company which had requested the odorless ink, however, found that it was unsatisfactory for other reasons and, after some further effort, Gessler stopped trying to solve that problem. Sometime in 1932, however, the same company asked Gessler whether he could supply them with an ink "that would be dry after being printed? We can put it over some kind of heating device." Gessler's answer was, "Yes, I think we could. In fact, one of those inks I made for you in the beginning would do that." Gessler testified as follows: "And now, when Mr. Cray came, in the year 1932, and told me that heating units, steam-heated rollers are used on printing presses, that was the last key that I needed for the solution of the problem. I had not known that before, and I knew that if I could apply any heat to the thin film of those inks that they would dry almost instantaneously. With that in mind that was the mental background, I would say, that I sent this particular ink to Mr. Cray. I did not send him a number of inks or a selection of inks, but I sent him just one specific ink." And with respect to the solvents he had chosen, Gessler testified further:

Q. What I want to get straight in my mind, Dr. Gessler, is this: You selected these three, is that right? A. That is right.

Q. Did you select them from a much longer list? A. That is right.

Q. And before you selected them you tried them all out, did you? A. No. You see the list is listed according to the boiling point, and if you followed on I took it from a certain boiling point on upwards.

Q. Oh, I see. You took them out of a long list in accordance with their boiling point? A. That is correct. That was my first indication of evaporation rate.

. . . . . .

Q. . . . In selecting these three solvents that you referred to, butyl cellosolve, carbitol and butyl carbitol, did you have reference to a Carbide & Carbon Chemicals Corporation catalog? A. I knew them. I don't know if I had reference, but I knew naturally those solvents.

Q. You may have referred to a catalog? A. I may have, certainly. I most probably had the catalog.

Q. You got copies of their catalogs, did you? A. Oh, yes.

. . . . . .

Q. On the fly-leaf of the Carbide & Carbon catalog there is a list of their products. Do you remember that list (handing to witness)? A. A similar list.

Q. That gives boiling points and vapor pressures? A. It does.

Q. And you may have selected these three solvents that we are talking about from that list? A. That is possible, although I knew the solvents. I was very conversant with them. I told you a while ago why.

[3] Butyl carbitol was first put on the market in 1929, and subsequently was listed in the catalogs of Carbide & Carbon Chemicals Corporation. It cannot be said that Gessler's contribution was a recognition that a solvent having the peculiar qualities of negligible vapor pressure at room temperature and high vapor pressure at 150° C. was what was needed. Both the circuit court and the district court found that an article written in 1931, referred to as the Hanson article, had posed the problem.[2] It is difficult to believe that if Hanson had known of the qualities of butyl carbitol, if he had had the Carbide & Carbon catalog before him, he or any other person skilled in the art could not have devised the ink which Gessler claims to have invented. We reach this conclusion even though Hanson testified in an affidavit introduced in support of a motion for rehearing that he had worked for over a year trying to produce such an ink and did not succeed.

The district court based its judgment on anticipation by prior patents. Most of these pertained to inks which were not used in ordinary printing: Lefferts and Stevens, No. 380,654, issued April 3, 1888, was an ink used for printing on Celluloid and other pyroxyline compounds; the Doughty and McElroy patents, Nos. 1,439,696 and 1,450,692, issued December 26, 1922, and April 3, 1923, taught an ink which was mainly useful for stamping with metallic inks by means of heated dies. But the Jirousek patent, No. 1,954,627, issued April 10, 1934, was for an ordinary printing ink. Jirousek's patent was directed to "a composition . . . which can set quickly and dry rapidly and also handle and feed properly and distribute freely." And the patent specifies, "In the use of such compositions, immediately after the impression is made, heat should be applied, and most advantageously this may be accomplished by a suitable heater, electric, gas, etc., arranged on or adjacent the press, so that the delivered printed impression is subjected to a substantial degree of heat to complete the setting action."

[4] The inks disclosed in these prior patents did not contain the same solvent or solvents similar to those which Gessler recommended and which his company and the petitioners now use. They had different vapor pressures both at room temperature and at 150° C. But all these patents taught an ink made with a solvent that would be non-volatile at room temperature and highly volatile when heated. Gessler's solvent is undoubtedly more satisfactory than any of the solvents mentioned in these patents, but it must be remembered that all but one of these patents were granted before butyl carbitol appeared on the market. The fact is that Gessler himself to a large extent has abandoned butyl carbitol and now uses a narrow cut of petroleum. Even assuming that if Gessler had discovered the compound he would be entitled to a patent, he did not discover it. Reading a list and selecting a known compound to meet known requirements is no more ingenious than selecting the last piece to put into the last opening in a jig-saw puzzle. It is not invention. The judgment below is reversed.

Mr. Justice BLACK and Mr. Justice DOUGLAS concur in the result.

[1] See the testimony of Commissioner Coe before the TNEC: "It is not the principal purpose of the patent laws of our country or of any nation to reward an individual. The purpose is much deeper and the effect much wider than individual gain. It is the promotion of science and the advancement of the arts looking to the general welfare of the Nation that the patent laws hope to accomplish. The individual reward is only the lure to bring about this much broader objective. Every patent granted benefits society by adding to the sum total of human knowledge, but that is not enough, and that alone will not achieve the ultimate goal of the patent system." TNEC Hearings, Part 3, p. 857.

[2] The relevant part of the Hanson article, which appears in the record, is as follows: "The solvents available have different boiling points ranging through a broad scale, but unfortunately for this problem their vapor pressure curves are nearly parallel. If we choose one from the group with a boiling point well under 250° F. [121° C.], the highest practical heat to apply to a printed sheet, we find that at room temperature its vapor pressure is still so great that drying will progress rapidly. On the other hand, if one is selected with a vapor pressure so low at room temperature that little drying takes place, at 200° to 250° F., we find the boiling point hardly attained or not even reached.

"If we could only flatten the curve of a high boiling solvent with a vapor pressure of 1 in. of mercury or less at 80° down to a point where at 30 in. the boiling temperature would be reduced to only 150° or so it would not take us long to compound an ink to meet the general characteristics for a plastic ink set forth above."

U. S. Court of Appeals for the District of Columbia

JOSSERAND
v.
COE, COMMISSIONER OF PATENTS

No. 8,784. Decided June 18, 1945

[— F. (2d) —; 65 USPQ 563]

PATENTABILITY—DRIVE-IN THEATER.

Appellant *Held* not entitled to a patent upon the claims to a drive-in theater sought in his reissue application.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Lester B. Clark and *Mr. Emmett Leo Sheehan* for Josserand.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

PER CURIAM:

This appeal involves claims for reissuance of a patent previously granted relating to a drive-in theater. These claims were rejected, first, by the Patent Office and, again, by the district court in a

R. S. Section 4915 proceeding. One was rejected on the ground that it was not properly supported by the applicant's disclosure; the others, for the reason that they were either [1] the same as or broader than claims which he had abandoned in his previous application or [2] unpatentable over the prior art. We agree that appellant is not entitled to a patent upon these claims, for the reasons stated.

Affirmed.

U. S. Court of Appeals for the District of Columbia

NOYES
v.
COE, COMMISSIONER OF PATENTS
No. 8,819. Decided May 28, 1945
[— F.(2d) —; 65 USPQ 392]

PATENTABILITY—FREEZING COMESTIBLES.

Appellant *Held* not entitled to a patent on the freezing of comestibles with compatible solutions.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Herbert A. Baker (*Mr. William M. Cushman* on the brief) for Noyes.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* on the brief) for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

PER CURIAM:

The findings and judgment of the trial court find full support in the record. Appellant has failed to meet the burden imposed upon a plaintiff in a section 4915 proceeding[1] and is not entitled to a patent.

Affirmed.

[1] *Abbott* v. *Coe*, 71 App. D. C. 195, 197–198, 109 F.(2d) 449, 451–452; *Daniels* v. *Coe*, 73 App. D. C. 54, 58, 116 F.(2d) 941, 945; *Morrison* v. *Coe*, 75 U. S. App. D. C. 219, 220, 127 F.(2d) 737, 738.

U. S. Court of Appeals for the District of Columbia

LEONARD VALVE COMPANY ET AL.
v.
COE, COMMISSIONER OF PATENTS
No. 8,851. Decided June 18, 1945
[— F.(2d) —; 66 USPQ 15]

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Nathaniel Frucht (*Mr. Karl Fenning* of counsel) for Leonard Valve Company et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

PER CURIAM:

We find no reversible error in the record. The judgment of the district court is therefore affirmed.

U. S. Court of Appeals for the District of Columbia

BURT
v.
COE, COMMISSIONER OF PATENTS
No. 8,947. Decided June 18, 1945
[— F.(2d) —; 66 USPQ 16]

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. John C. Burt, pro se.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and EDGERTON, Associate Justices

PER CURIAM:

We find no reversible error in the record. The judgment of the district court is therefore affirmed.

U. S. Court of Appeals for the District of Columbia

ONEITA KNITTING MILLS
v.
COE, COMMISSIONER OF PATENTS
No. 8,949. Decided June 25, 1945
[— F.(2d) —; 66 USPQ 16]

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Thomas L. Wilder (*Mr. Donald A. Gardiner* of counsel) for Oneita Knitting Mills.

Mr. W. W. Cochran for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

PER CURIAM:

A careful examination of the record discloses no reversible error, and the judgment is, therefore, affirmed.

Changes in Classification

Order No. 3,964 directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 12, Boot and Shoe Making* (Division 11):

Upper machines
53 Beading

In *class 114, Ships* (Division 61):

Implements
226 Clamps

In *class 202, Distillation* (Division 25):

Apparatus
Systems
Separatory
Still and column
157 With reaction chamber
Still
171 With reaction chamber

CHANGE SUBCLASS TITLE

In *class 25, Plastic Block and Earthenware Apparatus* (Division 33), subclass 156 should read:

Processes
156 Clay type

ESTABLISH SUBCLASSES

In *class 12, Boot and Shoe Making* (Division 11):

Upper machines
Turning
57.1 With seam pressing
57.2 Attached sole type

In *class 25, Plastic Block and Earthenware Apparatus* (Division 33):

Processes
155.5 Furnace wall or lining type

In *class 29, Metal Working* (Divisions 13, 14, 29):

Processes of manufacture, assembly, and disassembly
Electrical devices
155.56 Electromagnets, transformers, and inductances
155.57 With winding or coiling
155.58 Assembling coil and core
155.59 Permanent magnet or core
155.60 From comminuted material
155.61 Laminated

In *class 73, Measuring and Testing* (Division 36):

Thermal tests
15.4 With non-thermal test
15.6 Stress; strain

In *class 81, Tools* (Division 29):

Vises
17.4 Rope or cable type
17.5 Thimble clamping

In *class 200, Electricity—Circuit Makers and Breakers* (Division 37):

Fluid pressure
81.9 Flow-responsive type

In *class 292, Closure Fasteners* (Division 20):

336.5 Rollback and spindle connection

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Division 13, insert:
78—METAL FORGING AND WELDING

Under Division 15, insert:
18—PLASTICS

Under Division 38, insert:
41—ORNAMENTATION

Under Division 45, cancel:
"78—METAL FORGING AND WELDING"

Under Division 52, cancel:
"41—ORNAMENTATION"

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

After "41. Ornamentation . . .", change the division number from "52" to *38*.

After "78. Metal Forging and Welding . . .", change the division number from "45" to *13*.

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

After "41 Ornamentation . . .", change the division number from "52" to *38*.

After "78 Metal Forging and Welding . . .", change the division number from "45" to *13*.

MISCELLANEOUS CHANGES

In *class 16, Miscellaneous Hardware*, on page 30 (1941), at the top of the first column, change the title "Door hangers" to read: *Panel hangers, travelers and/or tracks.*

In *class 74, Machine Elements and Mechanisms*, on page 99, subclasses 283 through 286 should be moved one-half step of indentation to the right.

In *class 74, Machine Elements and Mechanisms*, on page 101, subclass 556 should be moved one step of indentation to the right to be indented under subclass 555.

In *class 119, Animal Husbandry*, on page 149, subclass 50 should be coordinate with subclass 49.

In *class 160, Closures, Partitions and Panels, Flexible and Portable*, on page 200–b (1942), in the title of subclass 199, change "pivotally" to *pivotal.*

On page 232, cancel the three columns pertaining to class 200, Electricity—Circuit Makers and Breakers.

In *class 250, Radiant Energy*, on page 282, in the first column after "phosphorescent" insert *applications and.*

In *class 292, Closure Fasteners*, on page 323, in the unnumbered title immediately before subclass 320, correct the spelling of "shackle".

On page 10 of the Classification of Design Patents, under D67, Refrigerators, the title which follows subclass 2 should be numbered 4.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
12	53	12	57, 57.1
		69	7
114	226	24	115+
		81	17.4+
202	157	23	263
		202	153
202	171	202	176

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
12	57.1	12	53
12	57.2	12	57
25	155.5	25	156+
29	155.56	175	21+, 356+
	155.57	175	21+, 356+
	155.58	175	21+, 356+
	155.59	175	21+, 356+
	155.60	175	21+, 356+
	155.61	175	21+, 356+
73	15.4	73	67, 86, 87, 147, 150
73	15.6	73	15, 88+
81	17.4 and 17.5	57	23
		81	18, 33
		114	226
200	81.9	200	81
292	336.5	292	Various

IN THE DEFINITIONS:

5, Beds (Division 8)

in subclass 285, in (1) Note, change "285" to *282*.

10, Bolt, Nail, Nut, Rivet, and Screw Making (Division 57)

in subclass 101, add:

Search Class—
29—METAL WORKING, subclasses 27 and 57, for combined machines adapted for thread chasing.
82—TURNING, subclass 5+, for other thread chasing.

12, Boot and Shoe Making (Division 11)

abolish the definition of subclass 53;

in subclass 57, cancel the definition and substitute:

57. Machines under subclass 51 having means for turning an upper or upper part to bring the right side out.

(1) Note.—In this subclass, for example, are machines for turning tubular boot uppers, and for turning the seam of lined upper parts.

Search Class—
223—APPAREL APPARATUS, subclass 39+, for apparatus for turning inside out garments, bags, and tubular fabrics.;

establish the following subclass definitions:

57.1. Machines under subclass 57 having also means to smooth or press a turned seam as by hammering or flattening by any means.

Search this class, subclass—
15—for machines of this type combined with means for relasting.

Search Class—
38—TEXTILES, IRONING OR SMOOTHING, for pressing in general.
69—LEATHER MANUFACTURES, subclass 7, for seam pressing per se.

57.2. Apparatus under subclass 57, specially designed to turn shoes in which a sole is attached to the upper.

13, Electric Furnaces (Division 60)

in subclass 34, in the note, cancel the last sentence;

in subclass 35, in (3) Note, change "subclasses 156+" to *subclass 155.5*.

14, Bridges (Division 33)

in subclass 71, under "(2) Search Classes", in the reference to class 105, Railway Rolling Stock, change "subclass" to *subclasses 436 and.*

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 20, add:

Search this class, subclass—

104.055—for implements for cleaning the inside of pipes or tubes by means of a fluid blast.

18, Plastics (Division 15)

in the main class definition, under "Search Class:", add in numerical order:

12—BOOT AND SHOE MAKING, for the making of shoes from preformed sheets or blanks. Class 18 takes (1) processes involving vulcanizing of rubber shoes and corresponding apparatus, and (2) the forming of rubber shoes by the shaping of a non-preformed plastic or liquid mass, as by dipping. All other processes and apparatus disclosed solely for making shoes, or having specific disclosure of making shoes with only a broad statement of capability for other use, are classified in class 12.

20, Wooden Buildings (Division 33)

in subclass 39, add:

Search Class—

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto for structures wherein a transparent panel is mounted in a wall.;

in subclass 40, add:

Search Class—

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto for structures wherein a transparent panel is mounted in a wall.;

in subclass 56.4, under "Search Class", add:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto for structures wherein a transparent panel is mounted in a wall.

22, Metal Founding (Division 3)

in subclass 87, in the note, change "Driers" to *Drying and Gas or Vapor Contact with Solids.*

24, Buckles, Buttons, Clasps, Etc. (Division 5)

in subclass 115, under "(4) Search Classes", in the reference to class 114, Ships, cancel "226" and add in numerical order:

81—TOOLS, subclass 17.4+, for rope vises.

25, Plastic Block and Earthenware Apparatus (Division 33)

in the main class definition, last paragraph, change "subclasses 156+" to *subclass 155.5*;

establish the following subclass definition:

155.5. Processes of a character not provided for in other classes for the manufacture and repair of brick, masonry, or plastic furnace walls and linings.

(1) Note.—Where the furnace, the furnace wall or the lining structure is claimed, in addition to the process of manufacture or repair, the patent is classified in the appropriate furnace or wall class and cross-referenced here for the process.

Search this class, subclass—

132+—for kilns.

Search Class—

13—ELECTRIC FURNACES, particularly subclass 35, for linings and methods of making.

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclass 104.03+, for apparatus other than built-in structures for cleaning and removing hardened deposits from pipes, tubes, and tubular chambers by means of a brush or wiper or by a cutter or scraper having a rotary and/or reciprocating motion, or by the blast action of air, steam or other gaseous fluid.

23—CHEMISTRY, subclass 277+, for miscellaneous furnaces for chemical reactions other than the burning of fuel for producing heat.

48—GAS, HEATING AND ILLUMINATING, subclass 61+, for gas generating furnaces.

49—GLASS, subclasses 45+ and 53+, for glass annealing and heating furnaces.

60—POWER PLANTS, subclasses 41+, 44+, for furnaces for generating pressure motive fluids involving combustion.

72—MASONRY AND CONCRETE STRUCTURES, for miscellaneous furnace wall and block structures not involving features (such as fluid cooling, etc.) specialized to furnaces.

75—METALLURGY, subclass 95, for reactive furnace linings and process of manufacture.

107—BREAD, PASTRY, AND CONFECTION MAKING, subclass 55+, for bakers' ovens.

110—FURNACES, for furnaces for burning solid fuel, and see particularly subclass 1, for miscellaneous wall structures having features (as air feeding) specialized to furnace walls.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, for processes of coating objects of clay or the like after burning.

122—LIQUID HEATERS AND VAPORIZERS, for furnaces claimed in combination with boiler features and for furnace walls cooled by liquid conduits.

126—STOVES AND FURNACES, particularly subclass 120+, for fireplaces, and subclass 144+, for firepots and linings.

158—LIQUID AND GASEOUS FUEL BURNERS, subclass 1+, for fluid fuel burning furnaces.

196—MINERAL OILS, for mineral oil treating furnaces, particularly subclass 116+.

202—DISTILLATION, for distillation furnaces.

263—HEATING, for miscellaneous heating furnaces and see particularly subclass 46, for masonry structure.

266—METALLURGICAL APPARATUS, for metallurgical furnaces and see particularly subclass 43, for linings. Where both the wall or lining and the process of manufacture or repair are claimed, classification is in class 266 with a cross-reference to class 25 for the process.

cancel the definitions and the notes of subclasses 156 and 157, and substitute:

156. Processes for conditioning clay, slate, or any natural plastic or of handling the same in the production of formed objects therefrom.

(1) Note.—This subclass includes, for example, processes which involve the application of a specific combustible coating composition to an object formed from such material to preserve its form until fired.

Search this class, subclass—

155.5—for processes specialized for the manufacture or repair of furnace walls or linings.

Search Class—

18—PLASTICS, for processes of handling plastic materials not provided for in other classes, including processes of handling compositions of which clay or other natural plastic is merely an ingredient and for processes of facing objects of clay while green.

106—COMPOSITIONS, COATING OR PLASTIC, for compositions containing natural plastics. For the line between class 25 and class 106, see the note under the caption "Processes of Preparing Compositions" in the main class definition of class 106.

157. Processes under subclass 156 which include a firing step.

Search Class—

263—HEATING, subclass 52+, for heating processes of general application.

29, Metal Working (Divisions 13, 14, 29)

establish the following subclass definitions:

155.56. Processes under subclass 155.5 for making electromagnets, transformers and inductances.

(1) Note.—Included in this and the indented subclasses are processes of making permanent magnets, that is, a magnetic body which has been magnetized, or which may later be magnetized, and electromagnetic coils, with or without a core of magnetic material, and cores and bodies which have magnetic properties.

(1.5) Note.—For electromagnets and transformers and related products, search class:

29—METAL WORKING, subclass 180+, which is the generic place for metal stock including metal strands, which are defined only by their composition even though claimed as being formed of magnetic material.

75—METALLURGY, appropriate subclasses, for metallic stock and metallic strands which are defined only by their composition even though claimed as being a magnetic material. Metal stock and metal strands comprised of a single metal are in subclass 0.5 of class 75, and metal stock and metallic strands comprised of an alloy are classified with the appropriate alloy in subclass 122+ of class 75. See the reference to class 75 in (4) Note below.

106—COMPOSITIONS, COATING OR PLASTIC, for strands, filaments and compositions distinguished solely by being made of plastic compositions (e. g., mixtures of metal powder and a plastic or coating composition) even though claimed as being a magnetic composition. Such compositions are classified, for the most part, in class 106 in the subclasses entitled "With filler dye or pigment". See the reference to class 106 in (4) Note below.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, and the classes specified in the notes to the class definition of class 117 for strands and miscellaneous articles which include no more structure than a base having one or more coatings thereon even though the article is named as being a magnetic article. See subclass 127+ for coated metal articles, subclass 128+, for coated metal wires, subclass 130+, for metal coated metal bases, and subclass 160 for other metal coated bases. See the reference to class 117 in notes (4) and (5) below.

148—METAL TREATMENT, subclass 31+, for metal stock and wires which are defined only by their physical or chemical properties even though claimed as being a magnetic material. See the reference to class 148 in (4) Note below.

171—ELECTRICITY—GENERATION, subclass 119+, for regulating type transformers and inductances.

175—ELECTRICITY—GENERAL APPLICATIONS, subclass 21+, for the structure of electromagnets. Subclass 356+, for the stationary induction apparatus (e. g., transformers, inductances).

178—TELEGRAPHY, subclass 45, for conductors which are provided with loading (magnetic) means, and subclass 46, for the structure of induction or inductance coils for cables.

252—COMPOSITIONS, subclass 1 for compositions of matter which have magnetic properties.

260—CHEMISTRY, CARBON COMPOUNDS, subclass 37+, for compositions containing synthetic resins and comminuted metal and subclass 762+ for compositions containing rubber or a derivative thereof and comminuted metal.

274—SOUND RECORDING AND REPRODUCING, subclass 41.4 and the classes specified in the notes to the definition of that subclass for magnetic sound records.

(2) Note.—For other classes which provide for the combination of winding or coiling and coating or impregnating operations, search class:

93—PAPER MANUFACTURES, the subclasses indented under the title "Wrapping Machines" for machines and processes for applying wrappers of paper, cloth, or similar flexible material to articles, including electromagnet and inductance coils, which processes may include coating or impregnating the wrapping material.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 66. Class 117 provides for processes which include a coating or impregnating operation and a winding or coiling operation where the winding or coiling is merely the storing of the coated or impregnated wire or other material. Class 117 also provides, in the appropriate subclasses, for processes of coating or impregnating a coil of wire or other material where the process does not include the winding operation. This reference to class 117 should be compared with the reference below to classes 154 and 242 in this note.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, appropriate subclasses, for apparatus and processes for making laminated fabrics and for making certain articles analogous to laminated fabrics. Subclass 2 includes processes of making electric coils which include the operation of winding and then impregnating the winding with a plastic or coating composition which adheres the windings together. Subclass 2 also includes processes of winding wire and either sheets or threads of a plastic material into a coil, and then treating the sheets or threads so as to cause the wire and the plastic material to form a more or less adhering unitary article. Subclass 2 also includes processes of winding tapes of fabric onto coils, the tapes being treated subsequent to the winding operation such as by having an impregnating material applied thereto, so that the several layers of the tape adhere to one another and form a laminated structure. Subclass 2 also includes processes of making laminated articles which include a winding operation combined with coating or impregnating prior to or during the winding operation where the process includes some operation subsequent to the winding operation for treating the coating or impregnating material or the wire or fabric other than a metal treatment. Note also subclass 2.5+ of class 154 for apparatus and processes for electrical insulation making. This reference to class 154 should be compared with the references to classes 117 and 242 in this note.

242—WINDING AND REELING, subclasses 4+, 9+, for machines and methods of winding electromagnets, transformer and inductance coils where a coating is applied to the winding as an incident to the winding. Class 242 includes coating the wire or other material as it is being wound. Subclass 1 includes miscellaneous machines for winding wire on a mandrel or former to make other than ball, spheroid, ring, cylinder and conoid windings. The making of "spider-web" coils, for example, is in subclass 1. Subclass 4+ provide for winding wire and other materials upon a ring shaped core. Indented subclass 6 provides for applying tape or insulation, which may be wound together with the wire upon a ring shaped core or the tape or insulation may be wound upon a ring shaped coil of wire. The tape or insulation may be coated or impregnated prior to the winding. Subclass 9+ provide for winding upon cylinders or conoids of comparatively short lengths to make magnets, inductances, and coils. Indented subclass 10 provides for taping, applying, or inserting insulating material in combination with the wire winding. The tape may be impregnated or coated prior to the winding operation. This reference to class 242 should be compared with the reference to classes 117 and 154 in this note.

(3) Note.—For the making of electromagnets, inductances, and coils by winding operations, see note (2) above where the process or apparatus also includes coating or impregnating, and search the following classes for other classes and subclasses which provide for winding or coiling:

29—METAL WORKING, subclass 33, for miscellaneous organized machines not otherwise classified adapted to perform a plurality of operations upon metal in manufacturing electromagnets, inductances and transformers or parts thereof.

93—PAPER MANUFACTURES, the subclasses indented under the title "Wrapping Machines", for machines and processes for applying wrappers of paper, cloth, or similar flexible material to articles, including electromagnet and inductance coils.

140—WIREWORKING, subclass 71+, for miscellaneous apparatus for coiling or winding wire which involve only wire working operations. See indented subclass 92.1+, for devices on or by which material, generally wire, is wound to produce a coil of predetermined form or shape, the devices being mostly formers for winding armature inductance and electromagnet coils. Winding wire upon a stationary form is in subclass 71. Where the coil or winding is intended to be removed from the mandrel or former, or where the coil is shaped after winding, the patent is in class 140, excepting in the case of rigid self sustaining wire which is formed into coils by a metal bending operation which is in class 153, METAL BENDING, subclass 64+. See subclass 76 of class 140 for making ferrules of wire by coiling, subclass 78+, for making single or double cone-shaped or tapering wire springs, subclass 86, for making wire cork or stopper extractors of spiral form, and subclass 92, for making spiral studs (shirt studs) which include a conical coil of wire.

153—METAL BENDING, appropriate subclasses, subclass 64+, for processes and machines for bending tubes, bars and sheets into coils.

242—WINDING AND REELING, appropriate subclasses, for apparatus and processes of making by winding processes of articles such as electromagnets, inductances and coils. Class 242 includes other operations incidental or essential to the winding operations. Usually in class 242, the wire or other material is wound upon a mandrel or former upon which the wire or other material is to remain, or the wire is wound into a form such as a cylinder or conoid which is analogous to the form in which coil or thread is wound for the purpose of storage. Where the wire is wound into a form other than ball, spheroid, ring, cylinder or conoid, see subclass 1 of class 242. The making of "spider-web" coils, for example, is in subclass 1. Subclass 4+ provide for winding wire and other materials upon a ring shaped core, indented subclass 6 providing for taping and insulating. The tape or insulation may be wound together with the wire upon a ring shaped core, or the tape or insulation may be wound upon a ring shaped coil of wire. Subclass 9+ provide for winding upon cylinders or conoids of comparatively short lengths to make magnets, inductances and electric coils. Indented subclass 10 provides for taping, applying or inserting insulating material in combination with the wire winding. Note that class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2, provides for subsequent treatment of the taped or insulated winding to form a laminated structure. See the reference to class 154 in (2) Note above. Subclass 25 of class 242 provides for winding wire on a bobbin type of holder for storage purposes or for making an article. Subclass 77+ provide for reel structure for wire and metal strips.

(4) Note.—For making magnets and magnetic cores from comminuted materials, and for the classes which provide for analogous methods and apparatus for making articles from comminuted materials, search classes:

18—PLASTICS, appropriate subclasses, for miscellaneous apparatus and processes for the working, especially by molding and casting of miscellaneous non-metallic plastic materials to make and

reproduce articles of a definite shape. Class 18 includes working mixtures of comminuted metal and plastic materials where the comminuted metal is only a filler or pigment in the non-metallic plastic. If the process includes an operation of shaping, working, or treating the comminuted metal in addition to the non-metallic plastic material working, such additional operation being other than merely preparatory or auxiliary to the non-metallic plastic working operation, the patent is excluded from class 18. The patents in class 18 for making magnet cores from mixtures of non-metallic plastic materials and comminuted metal are classified according to the plastic working operation. This reference should be compared with the reference to class 106, COMPOSITIONS, COATING OR PLASTIC, in these notes.

29—METAL WORKING, subclass 160.5, and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous processes for making ingots and articles from comminuted metals.

75—METALLURGY, subclass 0.5 for patents claiming comminuted metal composed of a single metal and for patents claiming mixtures of comminuted metal, the particles being mixtures of two or more metals or two or more alloys, subclass 22, for miscellaneous processes for producing metals and alloys in a solid and compact state from comminuted metal or metal bearing ingredients, without melting all of the ingredients, and products produced by such processes, subclass 122+, for comminuted metal composed of an alloy of two or more metals. See the reference to class 75 in (1.5) Note above.

78—METAL FORGING AND WELDING, subclass 0.5, for apparatus for consolidating metal powders. See the notes to the definition of subclass 0.5 of class 78, for other classes which provide for processes corresponding to the apparatus in subclass 0.5 of class 78.

83—MILLS, subclass 91, for processes and apparatus for the comminuting or disintegration of materials by processes involving the use of liquids, i. e., dipping hot metal in a liquid bath to cause comminution of the metal.

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for miscellaneous coating, impregnating or plastic compositions. Class 106 provides for processes of making compositions within its class definition even though the step of molding, extruding, spinning or sheeting is claimed broadly, also the statement that heat and/or pressure are used during the molding, whether or not specific temperatures or pressures are recited, will not be enough of itself to take a process of preparing a composition out of class 106. Class 106, therefore, includes patents relating to the process of preparing articles including magnet cores from mixtures of non-metallic plastic materials and comminuted metals within the limits set forth as well as patents claiming merely compositions of containing non-metallic plastic or coating materials and comminuted metal. Such compositions and processes are classified for the most part in the subclasses entitled "With filler, dye or pigment", the filler being the comminuted metal. See subclass 84 for magnet core compositions containing metal powder and sodium silicate, subclass 241, for magnet core compositions containing a natural resin (such as shellac) or derivative thereof and metal powder, subclass 286 for magnet core compositions containing only inorganic ingredients, one of the ingredients being metal powder, and subclass 287, for miscellaneous compositions within the scope of class 106 which contain comminuted metal. See the reference to class 106 in (1.5) Note above. Compare this reference to the reference to class 148, METAL TREATMENT, and class 260, CHEMISTRY, CARBON COMPOUNDS, in this note.

117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 26+, for processes of coating particulate material, including comminuted metal, with particulate material and the resulting products and subclass 100 for miscellaneous processes of coating flake, granular or particulate material and the resulting products. See the reference to class 117 in (1.5) Note above.

148—METAL TREATMENT, subclass 4+, for processes of agglomerating comminuted metal or mixtures of comminuted metal and an insulating material in combination of the metallurgical treatment of the metal particles. The metallurgical treatment of the metal particles may be done before, simultaneously with, or after the agglomerating operation. See subclass 6+, for processes of treating metal particles to form a coating thereon, an ingredient of the coating being furnished by the metal particle (e. g., oxidizing the metal particles). See the reference to class 148 in (1.5) Note above.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, appropriate subclasses, for miscellaneous processes and apparatus for the comminution and disintegration of solid material.

260—CHEMISTRY, CARBON COMPOUNDS, subclass 37+, for compositions containing synthetic resins and comminuted metal, and subclass 762+, for compositions containing rubber or a derivative thereof and comminuted metal.

(5) Note.—For other classes and subclasses which provide for making magnets and magnetic cores from laminated metal, see the classes referred to under (3) Note above, where the laminating is performed by winding operations and search class:

29—METAL WORKING, subclass 188+, for miscellaneous processes of making bars or tubes comprising two or more metals or forms of the same metal united by welding, soldering, or other molecular adhesion, and subclass 182, for the corresponding compound metal stock and blanks, and subclass 189, for processes of making metal plates or sheets comprising two or more metals or forms of the same metals united by welding, soldering or molecular adhesion, and subclass 181 for the corresponding compound metal stock and blanks. Note that class 29 provides for methods of making stock or articles of compound metals which are united by a non-metallic adhesive when the process also includes a metal working operation, such as machining the stock or article. Compare this reference to the reference to class 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, in this note.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 127+ and the subclasses specified in the notes to the definitions of those subclasses for miscellaneous processes of applying a coating to a metal base and the resulting products and subclass 160 and the subclasses specified in the notes to the definition of that subclass for miscellaneous processes of applying a metal coating to a base and the resulting products. See the reference to class 117 in (1.5) Note above.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 2, for miscellaneous processes of laminated metal layers with non-metallic layers, or forming laminated metal layers having the metal layers united or binded together by a non-metallic adhesive. See subclass 43 for miscellaneous laminated articles and stock formed by class 154 processes and subclass 46+ for miscellaneous laminated fabrics. Compare the reference to class 154 with the reference to class 29 in this note.

164—CUTTING AND PUNCHING SHEETS AND BARS, appropriate subclasses, for processes and apparatus for cutting or punching blanks for forming laminated cores for magnets or transformers from sheets or bars. See subclass 17 for cutting processes and subclass 125 for punching processes.

(6) Note.—Processes of making magnets and magnet inductance or transformer cores which include the operation of magnetizing the core and another operation are in general classified with such other operation unless the class which provides for the other operation excludes combined operations in which case the patent is classified in this or one of the indented subclasses. For example, class 148, METAL TREATMENT, contains many patents for heat treating metal and magnetizing the metal, such patents being classified in the subclass which provides for the heat treating operation. Processes of merely magnetizing and the apparatus therefor are classified in class 175, ELECTRICITY—GENERAL APPLICATIONS, subclass 21.

(7) Note.—For other classes which provide for manufacturing processes and apparatus, see the notes to the definitions of subclass 25.10+ of this class and of subclass 25.41+ of this class. Subclass 25.41+ provides for electric condenser making.

Search this class, subclass—

1—for miscellaneous apparatus not classified in any other class or subclass for making electromagnets, transformers and inductances.

25.10+—see (7) Note above.

25.41+—see (7) Note above.

33—for miscellaneous organized machines not classified in any other class or subclass adapted to form a plurality of operations upon metal, including such machines designed for making electromagnets, inductances and transformers on parts thereof. See the reference to subclass 33 in (3) Note above.

155.53—for miscellaneous processes for making rotors and parts thereof, other than commutators, for dynamoelectric machines.

160.5—see (4) Note above.

180+—see (1.5) Note above.

181—see (5) Note above.

182—see (5) Note above.

188—see (5) Note above.

189—see (5) Note above.

203+—for miscellaneous apparatus for assembling, or disassembling electrical devices made of plural parts, including electromagnets, inductances and transformers, or their associated parts. Note that indented subclass 205 provides for such apparatus for motors and generators and the parts thereof.

284+—for miscellaneous work holders.

Search Class—

18—PLASTICS, appropriate subclasses, for miscellaneous apparatus and processes for the working, especially by molding and casting of miscellaneous non-metallic plastic materials to make and reproduce articles of a definite shape, and for processes for the shaping and embossing of sheets of miscellaneous non-metallic materials to make articles of a definite shape. Note especially subclass 47.5 for non-metallic plastic working operations combined with other operations such as coating. Subclass 48 provides for patents claiming methods of treating non-metallic blanks which have, according to the disclosure, been made by a class 18 operation and which are not classified in any other class. See the reference to class 18 in (4) Note above.

75—METALLURGY, appropriate subclasses, for processes of producing a metal, an alloy, or a product of utility only as an intermediate product in a metallurgical process, and subclass 122+, for processes of making alloys and the alloys. See the reference to class 75 in (1.5) Note and (4) Note, above.

78—METAL FORGING AND WELDING, subclass 0.5, see (4) Note above.

83—MILLS, subclass 91, see (4) Note above.

93—PAPER MANUFACTURES, see (2) Note and (3) Note above.

106—COMPOSITIONS, COATING OR PLASTIC, for miscellaneous coating, impregnating or plastic compositions. See the reference to class 106 in (1.5) Note and (4) Note above.

117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for processes of coating and miscellaneous coated products. See the reference to class 117 notes (1.5), (2), and (4.5), above.

140—WIREWORKING, appropriate subclasses, for miscellaneous processes and apparatus for wire working including the working of wire by bending or twisting it to form specific articles or fabrics, the applying of wire to articles, and cutting, feeding, straightening and tensioning wire. See the reference to class 140 in (3) Note above.

148—METAL TREATMENT, appropriate subclasses, for miscellaneous processes of treating solid metal, including magnetic material, and the resulting products. See the reference to class 148 in notes (1.5), (4), and (6) above.

153—METAL BENDING, appropriate subclasses, for processes of bending metal. See the reference to class 153 in (3) Note above.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, appropriate subclasses for apparatus and processes of making laminated fabrics and for making certain articles analogous to laminated fabrics. Subclass 43 provides for miscellaneous laminated structures and subclass 46 for miscellaneous laminated fabrics. See the reference to class 154 in notes (2), and (5) above.

164—CUTTING AND PUNCHING SHEETS AND BARS, appropriate subclasses, for machines and processes for cutting and punching sheets, plates, or bars of metal, cloth, rubber, leather, paper, etc. See the reference to class 164 in (5) Note above.

171—ELECTRICITY—GENERATION, see note (1.5) above.

175—ELECTRICITY—GENERAL APPLICATIONS. See the reference to class 175 in (1.5) Note above for electromagnets, inductances and transformers and in (6) Note for processes and apparatus for magnetizing. See subclass 183 of class 175 for processes and apparatus for testing the magnetic properties of an article or material and also for testing processes and apparatus which utilize magnetic effects.

178—TELEGRAPHY, subclass 45. See (1.5) Note above.

241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, see the reference to this class in (4) Note above.

242—WINDING AND REELING, appropriate subclasses, for miscellaneous processes and apparatus for making articles by winding processes and miscellaneous apparatus for winding or unwinding flexible material, such as wire or fabrics, from holders. See the reference to class 242 in notes (2) and (3) above.

252—COMPOSITIONS, see the reference to this class in (1.5) Note above.

260—CHEMISTRY, CARBON COMPOUNDS, see notes (1.5) and (4) above.

274—SOUND RECORDING AND REPRODUCING, subclass 41.4, see (1.5) Note above.

155.57. Processes under subclass 155.56 which involve a winding or coiling operation.

(1) Note.—Processes which involve only winding or coiling are not in this subclass unless the process is one not provided for in any other class. See notes (2) and (3) to the definition of subclass 155.56, for other classes which provide for processes and apparatus for winding or coiling. The processes in this subclass ordinarily involve a winding or coiling operation and another operation, the combined operations not being provided for in any other class.

155.58. Processes under subclass 155.56 which include assembling the winding or coil and the core of the magnet, transformer or inductance

(1) Note.—This subclass includes merely assembling the coil or winding the core, or an assembly operation combined with other operations.

Search this class, subclass—

155.53—for processes of assembling the windings or coils with the core or armature of a rotor for a dynamoelectric machine.

155.57—for this subject matter where the assembling process includes a winding or coiling operation.

203+—for miscellaneous apparatus for assembling windings or coils and the core of electromagnets, inductances and transformers, or their associated parts. Note that indented subclass 205 provides for such apparatus for motors and generators and the parts thereof.

155.59. Processes under subclass 155.56 for making permanent magnets or the cores for magnets, inductances or transformers.

155.60. Processes under subclass 155.59 in which the magnet or core is made from comminuted material.

(1) Note.—See (4) Note to the definition of subclass 155.56 for the other classes which provide for processes and apparatus for making magnets and cores from comminuted materials.

155.61. Processes under subclass 155.59 for making laminated magnets and cores.

(1) Note.—See (5) Note to the definition of subclass 155.56 for the other classes which provide for processes and apparatus for making laminated magnets and cores, and parts thereof.

in subclass 160.5, add:

Search this class, subclass—

155.60—and the classes and subclasses specified in (4) Note to the definition of subclass 155.56 for processes and apparatus for making electromagnets from materials composed of or containing comminuted metal.

in subclass 188, add:

(1.7) Note.—Search this class, subclass 155.61, for processes of making laminated cores for electromagnets.

in subclass 189, cancel (2) Note and add:

Search this class, subclass—

18—for processes of forming thin sheet metal and metal foil.

155.61—for processes of making laminated cores for electromagnets.

181—for compound metal stock in the form of metal plates.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in subclass 88, add:

Search Class—

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

36, Boots, Shoes, and Leggings (Division 11)

in subclass 43, add:

(3) Note.—See this class, subclass 76, for insoles modified solely by the addition of a shank stiffener thereto.

37, Excavating (Division 4)

in subclass 183, cancel the note and add:

Search Class—

214—MATERIAL OR ARTICLE HANDLING, subclass 115, for grab bucket hoists.

294—HANDLING—HAND AND HOIST-LINE IMPLEMENTS, subclass 86+, for grapples there provided for.

38, Textiles, Ironing or Smoothing (Division 27)

in the main class definition, add:

(0.5) Note.—See class 12, BOOT AND SHOE MAKING, subclass 57.1, for upper turning combined with seam smoothing.;

and in (4.5) Note, after "subclasses", insert 7,

41, Ornamentation (Division 38)

in subclass 18, cancel "(1) Search this class, subclass . . . portion of the plating."
and cancel "(2)" before "Search Classes".

48, Gas, Heating and Illuminating (Divisions 59, 64)

in subclass 61, cancel (1) Note and under "Search Class", cancel "see note 1" and substitute: *subclass 281+ for generators for generating relatively pure hydrogen*;
and in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*.

49, Glass (Division 5)

in subclasses 45 and 53 under "Search Class" in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*.

57, Textiles, Spinning, Twisting and Twining (Division 21)

in subclass 23, under "Search Class", cancel the reference to class 114, Ships, and add in numerical order:

81—TOOLS, subclass 17.4+, for rope vises.

58, Horology (Division 61)

in subclass 91, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto for structures wherein a transparent panel is mounted in a wall.

60, Power Plants (Division 18)

in subclass 44, under "Search Class", change "subclasses 156+" to *subclass 155.5*.

69, Leather Manufactures (Division 11)

in subclass 7, under "Search Class", add in numerical order:

12—BOOT AND SHOE MAKING, subclass 57.1, for combined upper turning and seam pressing.

70, Locks (Division 20)

in subclass 393, under "(5) Note", change "124" to *52.6*.

72, Masonry and Concrete Structures (Division 33)

in the main class definition, under "Search Class", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*;
in subclass 41, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto for structures wherein a transparent panel is mounted in a wall.

73, Measuring and Testing (Division 36)

in the definition of subclass 15, after "heat to" insert *, or the cooling of,*;
and under "Search This Class, Subclass", add in numerical order:

53+—for testing of liquids or liquid suspensions of solids even though involving the use of heat.
154—for bore hole formation logging involving measurement of thermal responses.

establish the following subclass definitions:

15.4. Subject matter under subclass 15 in which the test specimen is subjected to some test other than or in addition to a determination of its thermal characteristics and where a combination with the application of heat to, or the cooling of, the test specimen for any purpose is involved.

(1) Note.—For example, combination of vibration tests, corrosion or embrittlement tests, ductility tests, wind tunnels or weathering tests with heating or cooling means, are classified here.
(2) Note.—Some exceptions were made in collecting art of this type, see the notes to subclass 15.

15.6. Subject matter under subclass 15.4 involving the study and/or measurement of stress and/or strain in test specimens.

Search this class, subclass—
88+—for stress, strain tests not involving a thermal test combination.;

in subclass 73, add:

Search Class—
175—ELECTRICITY—GENERAL APPLICATIONS, subclass 183, for means and methods of moisture content determination by electrical apparatus which measures an electrical characteristic (e. g., capacity, conductivity, etc.) of the medium in which the moisture exists.;

in subclass 323, under "Search Class", add:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.;

in subclass 330, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.;

in subclass 334, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 548, under "Search Class", cancel the reference to class 287, Rod Joints or Couplings, and substitute:

287—ROD JOINTS OR COUPLINGS, subclass 20+, for joints of general application between a rod and a base, plate or head, and subclass 52+, for joints between a shaft and an element fastened thereto, particularly subclass 53 where the element is attached to the shaft end.
292—CLOSURE FASTENERS, subclass 348+, for analogous joints.

75, Metallurgy (Division 3)

in subclass 95, under "Search Class", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*.

78, Metal Forging and Welding (Division 13)

in subclass 0.5, in (2) Note, under paragraph (IV), in the reference to class 29, Metal Working, after "subclass 149.5," add: *, 155.56+,*.

81, Tools (Division 29)

establish the following subclass definitions:

17.4. Vises under subclass 17 peculiarly adapted for holding rope.

Search this class, subclass—
19, 39—for vises for holding round work.

17.5. Vises under subclass 17.4 for holding a rope around a thimble or heart, usually during a splicing operation.

Search Class—
57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 22+, for devices for splicing.
287—ROD JOINTS OR COUPLINGS, subclass 81, for thimble joints.

82, Turning (Division 13)

in subclass 5, under "Search Class", add in numerical order:

10—BOLT, NAIL, NUT, RIVET AND SCREW MAKING, subclass 101+, for other thread chasing.
29—METAL WORKING, subclasses 27 and 57, for combined machines, adapted for thread chasing.

94, Roads and Pavements (Division 33)

in subclass 29, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

105, Railway Rolling Stock (Division 34)

in subclass 436, add:

(1) Note.—This subclass includes door operated gangways, and also those constructions where the door itself constitutes a gangway in one position.

Search Class—
14—BRIDGES, subclasses 70 through 72, for gangways of general application.

106, Compositions (Divisions 38, 64)

in the main class definition, in (1) Note, cancel the reference to class 175, Electricity—General Applications, and substitute:

175—ELECTRICITY—GENERAL APPLICATIONS, subclass 21, for the structure of electromagnets, which are made from a mixture of a comminuted metal and a plastic composition. This class (106) provides for strands, filaments, and compositions distinguished solely by being made of mixtures of metal powder and a plastic or coating composition even though claimed as being a magnetic composition. Such compositions are classified for the most part in class 106 in the subclasses entitled "With filler, dye or pigment". See subclasses 41 and 315 of class 175 for condensers including a dielectric composition, even though the dielectric composition is claimed per se.

107, Bread, Pastry, and Confection Making (Division 20)

in subclass 55, under "Search Class", change "subclasses 156+" to *subclass 155.5*.

108, Roofs (Division 33)

in subclass 16, add:

Search Class—
220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

109, Safes, Bank Protection and Related Devices (Division 20)

in subclass 58.5, under "Search Classes", in the reference to class 220, Metallic Receptacles, before the period (.), add: *, and subclass 82, and the notes thereto, for structures wherein a transparent panel is mounted in a wall.*

110, Furnaces (Division 19)

in subclass 1, under "Search Class", change "subclasses 156+" to *subclass 155.5*.

114, Ships (Division 61)

abolish the definition and notes of subclass 226.

116, Signals and Indicators (Division 34)

in subclass 117, under "(2) Search Class", add in numerical order:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.;

in subclass 118, under "Search Class", add in numerical order:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, under "NOTES", under "I. Coating Processes Per Se Classified Elsewhere", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*;
and in subclass 2, under "Search Class", change "subclasses 156+" to *subclass 155.5*.

122, Liquid Heaters and Vaporizers (Division 46)

in the main class definition, under "(5) Search Classes", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*.

126, Stoves and Furnaces (Division 19)

in the main class definition, under "(3) Note.—Search Classes", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*;
in subclass 10, in (1) Note, after "74" add *107*,;
in subclass 107, before "Search Class", add:

(1) Note.—See this class, subclass 10, and the notes thereunder for other magazine feeds.;

in subclass 200, under "Search Class", change the reference to class 220, Metallic Receptacles, to read:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

134, Cleaning and Liquid Contact with Solids (Division 27)

in subclass 45, under "Search This Class, Subclass", change "110.5" to *123*;
in subclass 93, under "Search Class", add in numerical order:

206—SPECIAL RECEPTACLES AND PACKAGES, subclass 0.5, for receptacles containing detergents which are infusible directly from or through the receptacle walls.

158, Liquid and Gaseous Fuel Burners (Division 19)

in subclass 1, under "Search Class", change "subclasses 156+" to *subclass 155.5*.

160, Closures, Partitions and Panels, Flexible and Portable (Division 53)

in subclass 127, under (5) Note, change "221" to *222*.

179, Telephony (Divisions 16, 51, 65)

in subclass 100.2, cancel the existing note and add:

Search Class—
274—SOUND RECORDING AND REPRODUCING, subclass 4, for recorders, reproducers, and reproducing processes involving the making of a magnetic sound-record or the reproducing therefrom which do not include means for producing electrical undulations in a conductor in response and corresponding to vibrations accompanying sounds, and subclass 41.4, for structures which include a magnetic recording means for receiving records of sound or having such records formed in or on them and the classes specified in the notes to the definition of subclass 41.4 for magnetic sound records which are defined only by their composition.

184, Lubrication (Division 45)

in subclass 96, under "Search Class", add:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

189, Metallic Building Structures (Division 33)

in subclass 64, under "(3) Search Classes", add in numerical order:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

in subclass 77, under "Search Classes" add in numerical order:

220—METALLIC RECEPTACLES, subclass 82, and see the notes thereto, for structures wherein a transparent panel is mounted in a wall.

195, Chemistry, Fermentation (Division 63)

in the main class definition, under "Definitions." add:

8. Processes which include (1) analysis or testing which comprises fermentation, or (2) quantitative or qualitative testing for fermentability, or fermentative power, which comprises fermentation when the result is positive.;

in subclass 103.5, in the definition, after "include" insert: *(1)* and at the end of the definition, before the period (.) add:

, or (2) quantitative or qualitative testing for fermentability, or fermentative power, which comprises fermentation when the result is positive.

196, Mineral Oils (Division 31)

in subclass 116, under "Search Class", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5*.

198, Conveyors—Power Driven (Division 4)

in the main class definition, in "(8) Note", after "158" add +.

200, Electricity—Circuit Makers and Breakers (Division 37)

establish the following subclass definition:

81.9. Devices under subclass 81 of the type in which the operating means is responsive to the flow of a fluid (including air-currents, wind, etc.), as distinguished from those which are responsive merely to the static pressure of the fluid.

(1) Note.—See alphabetical index to the classification of patents, the title "Flow" for the distribution of flow controlled devices in the several classes.

Search Class—
137—WATER DISTRIBUTION, subclass 152, for valves having flow-responsive actuating means.

202, Distillation (Division 25)

in the main class definition, under (9) Note, change "subclasses 156+" to *subclass 155.5*;
abolish the definitions of subclasses 157 and 171.

211, Supports, Racks (Division 8)

in subclass 74, add:

Search Class—
224—PACKAGE AND ARTICLE CARRIERS, subclass 48, for portable bottle racks or trays equipped with handles.

220, Metallic Receptacles (Division 40)

in subclass 82, under "Search Class", add in numerical order:

20—WOODEN BUILDINGS, subclass 39, for doors having small apertures combined with closures therefor, and subclasses 40 through 56.5 for window structures in general, subclass 56.4 being directed to pane fasteners.

34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, subclass 88, for such apparatus combined with means for inspection of the interior.
58—HOROLOGY, subclass 91, for joints between the bezel and crystals.
72—MASONRY AND CONCRETE STRUCTURES, subclass 41+, for hollow glass blocks and their mountings.
73—MEASURING AND TESTING, subclass 323+, for sight glass type liquid level gauges, especially subclass 327 for optical modifications, and subclasses 330+ and 334, for transparent closure plate type.
94—ROADS AND PAVEMENTS, subclass 29, for lenses and lens mounts for light transmitting walks.
108—ROOFS, subclass 16, for skylights.
109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 58.5, for port type walls and panels.
116—SIGNALS AND INDICATORS, subclasses 117 and 118, for fluid flow and liquid level indicators, respectively.
126—STOVES AND FURNACES, subclass 200, for transparent panel stove doors and windows.
184—LUBRICATION, subclass 96+, for sight feed lubricators.
189—METALLIC BUILDING STRUCTURES, subclass 64+, for window structures, and subclass 77+, for pane supports and fastenings.

in subclass 86, in the reference to class 226, Filling and Closing Portable Receptacles, under "Search Class", before the period (.) insert: *, and subclass 129 for detachable filling accessories.*

223, Apparel Apparatus (Division 24)

in subclass 39, add:

Search Class—
12—BOOT AND SHOE MAKING, subclass 57+, for apparatus for turning boots and shoes or the uppers or upper parts.

242, Winding and Reeling (Division 61)

in the main class definition, under "Search Classes", add:

29—METAL WORKING, subclass 155.56+ and the classes and subclasses specified in the notes to the definition of those subclasses, for processes and apparatus for making electromagnets, inductances and transformers by operations which include a winding operation.;

in subclass 4, under "Search Class", add in numerical order:

29—METAL WORKING, subclass 155.56+ and the classes and subclasses specified in the notes to the definition of those subclasses, for processes and apparatus for making electromagnets, inductances and transformers by operations which include a winding operation.;

in subclass 9, under "(2) Search Classes", add in numerical order:

29—METAL WORKING, subclass 155.56+ and the classes and subclasses specified in the notes to the definition of those subclasses, for processes and apparatus for making electromagnets, inductances and transformers by operations which include a winding operation.

263, Heating (Division 28)

in subclass 46, under "Search Class", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5.*

266, Metallurgical Apparatus (Division 28)

in subclass 43, under "Search Classes", in the reference to class 25, Plastic Block and Earthenware Apparatus, change "subclasses 156+" to *subclass 155.5.*

274, Sound Recording and Reproducing (Division 5)

in subclass 41.4, under "(3) Search Class", add in numerical order:

29—METAL WORKING, subclass 155.56+ and the classes and subclasses specified in the notes to the definitions of those subclasses, for processes and apparatus for making electromagnets.

287, Rod Joints or Couplings (Division 52)

in subclass 52, under "(3) Search Class", add in numerical order:

74—MACHINE ELEMENTS AND MECHANISMS, subclass 548, for connections between operating handles and their shafts.
292—CLOSURE FASTENERS, subclass 336.5, for joints between rollbacks and their operating spindles and subclass 348+, for joints between knobs and/or handles and their spindles.;

in subclass 53, cancel the existing note and substitute:

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 548, for connections between operating handles and their shafts.
292—CLOSURE FASTENERS, subclass 336.5, for joints between rollbacks and their operating spindles and subclass 348+, for joints between knobs and/or handles and their spindles.;

in subclass 81, cancel (2) Note and under "Search Class", add:

81—TOOLS, subclass 17.4+, for rope vises, and particularly subclass 17.5, for vises for holding rope around a thimble.;

and cancel the references to class 57, Textiles, Spinning, Twisting and Twining, and 114, Ships.

292, Closure Fasteners (Division 20)

establish the following subclass definition:

336.5. Devices under the main class definition wherein the joint between the latch operating spindle and the rollback is claimed.

(1) Note.—The operating knob or handle and the spindle may be an integral unit, and the spindle-rollback joint may be claimed as a means for preventing the separation of this unit from the latch.
(2) Note.—The assembly and/or the fastening of the knob or handle upon the spindle may fasten the spindle to the rollback.

Search this class, subclass—
348+—for the joints between the knob or handle with the latch spindle and see notes (1), (2), supra.

Search Class—
70—LOCKS, subclass 380, for similar connections between lock rollbacks and their operating spindles.
287—ROD JOINTS OR COUPLINGS, subclass 20+, for joints of general application between a rod and a base, plate or head, and subclass 52+, for joints between a shaft and an element fastened thereto, particularly subclass 53 where the element is attached to the shaft end.;

in subclass 348, cancel the existing note and substitute:

Search this class, subclass—
336.5—and see notes (1) and (2) thereto, for analogous joints between the spindle and the rollback.

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 548+, for analogous joints between machine element handles and their shafts.
287—ROD JOINTS OR COUPLINGS, subclass 20+, for joints of general application between a rod and a base, plate or head, and subclass 52+, for joints between a shaft and an element fastened thereto, particularly subclass 53 where the element is attached to the shaft end.

294, Handling—Hand and Hoist-Line Implements (Division 4)

in the main class definition, under "(4) Search Classes" in the reference to 81, Tools, after "15 and indented subclasses" add *17.4+*,;

and in the reference to class 114, Ships, cancel "and 226".

308, Machine Elements—Bearings and Guides (Division 45)

in subclass 241, cancel the notes and substitute:

Search Class—
29—METAL WORKING, subclass 89.5, for burning-in, wearing-in and oil burnishing and subclass 149.5, for methods of making bearings.
117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, for processes of treating bearing surfaces which are essentially coating processes.
148—METAL TREATMENT, for methods of metal surfacing and treatment therein provided for, such as, for example, those which include a change in the properties of a metal surface or the production of a coating thereon by reaction with the metal base.
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 14+, for electrolytic methods of coating.

312, Supports, Cabinet Structures (Division 8)

in subclass 7, add:

(1) Note.—If the cabinet is claimed in combination with apparatus, such as loud speakers, dials, tuning handles or shafts, chassis, etc., the patent is classified with the apparatus whenever the claims recite either characteristics of the apparatus or particulars of relation between the apparatus and the cabinet. Merely naming an apparatus as being within the cabinet does not exclude the patent from this subclass (7).

Search Class—
116—SIGNALS AND INDICATORS, subclass 124.1+, for radio dials and indicators.
179—TELEPHONY, subclass 100.1+, for electric phonographs and combined radio-phonographs, and subclass 101+, for loud speaker structures.
181—ACOUSTICS, subclass 31, for diaphragms mounted within a cabinet.
250—RADIANT ENERGY, subclass 14, for cabinets combined with radio structure, and see (1) Note above.
274—SOUND RECORDING AND REPRODUCING, subclass 2, for cabinets combined with non-electric phonograph structure.

320, Electricity, Battery and Condenser Charging and Discharging (Division 60)

in the main class definition, cancel Section VI, and substitute:

Section VI. In this class, relative to *combined charging and discharging*, the systems and corresponding methods must be of the type in which there are:

1. One or more sources of battery charging current,
2. One or more batteries to be charged and one or more batteries to be discharged—the battery or batteries to be charged may be the same battery or batteries that are to be discharged or they may be separate batteries, and
3. A discharge or load circuit not limited to two or more diverse, or diversely controlled, circuits and not limited to a particular art or use for which classification has been provided for elsewhere,

and also in which, if any of the charging sources itself is not a battery,

4. The non-battery charging source cannot supply the load or discharge circuit unless the battery to be charged is also simultaneously connected thereto,
5. The battery to be charged may be connected to supply the load or discharge circuit without the non-battery charging source being simultaneously connected thereto, and
6. The battery to be charged may be connected to the charging source without the load or discharge circuit being energized thereby at the same time.

When the *charging source* comprises *only batteries*, that is, when one or more batteries constitute the only source for charging one or more other batteries, original classification is in this class.

Where the arrangements are such that:

A. The battery to be discharged can only supply the load circuit when the non-battery source is connected thereto, original classification is in some other class on the basis of plural sources of supply.
B. The non-battery source of supply can energize the load or discharge circuit when the battery is not connected thereto, original classification is in some other class on the basis of plural sources of supply.

In *combined* charging and discharging, the charging and discharging may take place simultaneously or not.

Register of Patents Available for Licensing or Sale

Pat. 2,073,548. BUILDING CONSTRUCTION. Patented Mar. 9, 1937. Double wall type utilizing pre-cast cementitious slabs arranged side by side, column elements interposed at spaced intervals between the wall elements and poured in situ, permanently binding the wall elements to each other imparting virtually the qualities of a monolithic wall. (Owner) Paul Betzler, 230 W. 105th St., New York 25, N. Y. Groups 32—51—71; 35—59. Reg. No. 102.

Pat. 2,228,690. SANITARY PAPER AND RUBBISH PICKER. Patented Jan. 14, 1941. The pickup pin or spike is normally guarded but is exposed during the picking up operation. Has spring actuated bar which pushes paper or rubbish from the spike into a container. (Owner) Palmer H. Crary, 8855 180th St., Jamaica 3, N. Y. Group 39—99. Reg. No. 103.

Pat. 2,042,390. BRAKE. Patented May 26, 1936. A self-adjusting internal expanding brake structure which will not accidentally lock. Must be manually operated or set. May be used as a single brake unit or in multiple installations. (Owner) Palmer H. Crary, 8855 180th St., Jamaica 3, N. Y. Group 38—31. Reg. No. 104.

Pat. 2,004,853. AIR OPERATED POWER UNIT. Patented June 11, 1935. Suitable for individual installation. Device to take advantage of direct air pressure or suction pressure. A Venturi construction evacuation is included to quicken and increase force of air currents against air wheel or windmill. (Owner) Palmer H. Crary, 8855 180th St., Jamaica 3, N. Y. Group 35—61. Reg. No. 105.

Pat. 2,077,618. FLUID PRESSURE ENGINE. Patented Apr. 20, 1937. A compressed air engine controllable by varying the time of fluid supply to cylinders, the parts of the unit being so constructed and connected that a proper supply of air under pressure is available at all times. (Owner) Palmer H. Crary, 8855 180th St., Jamaica 3, N. Y. Group 35—61. Reg. No. 106.

Pat. 2,136,182. FLUID POWER ENGINE. Patented Nov. 8, 1938. The intake and exhaust intervals are automatically controlled by valves actuated by the intake supply of the operating fluid. (Owner) Palmer H. Crary, 8855 180th St., Jamaica 3, N. Y. Group 35—61. Reg. No. 107.

Pat. 2,315,120. SPRAYING DEVICE. Patented Mar. 30, 1943. A liquid nozzle, a flexible hose with an air nozzle attached to a pump and means including a hand lever for rotating the air nozzle relative to the liquid nozzle to direct the spray in various directions. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Group 35—21—61. Reg. No. 108.

Pat. 2, 185,462. CIGARETTE AND CIGAR EXTINGUISHING DEVICE. Patented Jan. 2, 1940. A pressing member is operated to squeeze the ends of lighted butts, and means for ejecting the butts into any type of ash tray which may be used therewith. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Groups 21—11; 33—73. Reg. No. 109.

Pat. 2,302,695. VALVE. Patented Nov. 24, 1942. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) For use with power dam installations. Controlled by a chain drive from a drive shaft which extends across the valve and operates both sides of the gate. Has sealing means and fluid-tight bearing. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 110.

Pat. 2,338,724. DAM GATE AND OPERATING APPARATUS. Patented Jan. 11, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A vertically reciprocating gate which employs tailrace gates to prevent vacuum, hammer, and collapse of the penstock. Provides a substantially water-tight seal whereby power requirements for hoisting or lowering will be reduced. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 111.

Pat. 2,311,666. DAM GATE. Patented Feb. 23, 1943. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Dam gate locking mechanism hydraulically operated to exert pressure against means to lock the gate in lowered position and release the pressure when it is desired to raise the gate. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 112.

Pat. 2,356,762. HOIST. Patented Aug. 29, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Hoist for use on a dam gate. Employs a motor and worm gear for rotating a drum to raise the gate only. Has means for locking gate in position when raised. A solenoid, when energized, releases a clutch and the gate is closed by its own weight. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 113.

Pat. 2,366,732. HYDROELECTRIC POWER UNIT. Patented Jan. 9, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Unit of simple and sturdy construction, employing a high speed generator, adaptable for shorter and narrower power houses, includes units of gradual decreasing diameter to facilitate removal from a dam well. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 114.

Pat. 2,361,404. APPARATUS FOR EXCAVATING SUBAQUEOUS MATERIAL. Patented Oct. 31, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The combination of a hydraulic dredge. A main delivery pipe line having dual suction pipes with a suction pump and motor operatively positioned within and adjacent the mouth of each suction pipe to draw and force subaqueous material into the main pipeline which has an electric operated booster pump therein to discharge the material in collapsible forms on the shore. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 115.

Pat. 2,371,174. SUBMARINE EXCAVATING DEVICE. Patented Mar. 13, 1945. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Combined suction pump and means for driving same and a cutter head which is driven at a slower speed than the pump. (Owner) John Kalix, 2132 Salem Ave., Dayton 6, Ohio. Group 35—31. Reg. No. 116.

Pat. 2,182,865. ACOUSTICAL DEVICE. Patented Dec. 12, 1939. Combination switch and rheostat, device has supplementary elements and enables wearer to put into operation such elements when effects of use become apparent. The two carbon buttons may be employed alternately. (Owner) Colonial Earphone Co., Inc., 565 Fifth Ave., New York 17, N. Y. Group 36—61—92—99. Reg. No. 117.

Pat. 2,314,734. PORTABLE CIGARETTE MAKING MACHINE. Patented Mar. 23, 1943. Tobacco placed therein may be heat treated (claims a method) while in loose condition and during the formation of the filler, or may be treated by heating means near and movable with the filler forming means. (Owner) Kelman J. Ptasnik, 330 West 72d St., New York, N. Y. Groups 21—11; 33—73; 35—59. Reg. No. 118.

Pat. 2,061,737. DIRECTIONAL RECEIVING SYSTEM. Patented Nov. 24, 1936. Comprises a plurality of signal pickups for receiving a signal with maximum intensity from a given direction and from the same direction with minimum intensity for the purpose of inversely controlling the amplification of the signal first received. (Owner) William H. Offenhauser, Jr., 4 West 43d St., New York, N. Y. Group 36—61—62. Reg. No. 119.

Pat. 2,313,368. CIRCULAR SHOE HEEL. Patented Mar. 9, 1943. A circular heel made in two parts, one secured to the shoe having centrally on the bottom lift a conical ribbed depression, the other having a conical radially ribbed projection to engage the ribbed depression. A screw is threaded from the inside through two nuts located in the apexes of the depression and projection. Rotary adjustment brings new wearing surface into position. (Owner) Alfred F. Smith, Sr., 30 Garth Rd., Scarsdale, N. Y. Groups 30—22; 31—32—41. Reg. No. 120.

Pat. 2,209,665. TUBE CAP. Patented July 30, 1940. Closure of bag-like resilient construction for either positively sealing the end of a collapsible tube, or for yieldably closing the tube so as to facilitate a temporary extrusion of the contents of the tube by exerting slight pressure against the tube. (Owner) Herbert J. Scheringer, Olive Bridge, N. Y. Groups 28—83; 30—31—51; 33—73; 35—69; 39—81. Reg. No. 121.

Pat. 2,017,921. DOCUMENT PROTECTOR. Patented Oct. 22, 1935. Pocket-sized device for perforating documents such as checks, etc. to prevent alteration and increase difficulty of changing or copying signatures. Can be clipped in a checkbook or permanently fastened to a desk or the like. (Owner) Jack A. Rothman, 315 West 24th St., New York 11, N. Y. Groups 25—72; 33—73; 35—79. Reg. No. 122.

Pat. 1,809,306. HULL. Patented June 9, 1931. For flying boats; an inverted V bottom permits positioning the wheels close together and a shorter distance from the hull thus utilizing short bracing and light connections. Has means for retracting and housing the landing wheels. (Owner) Charles Shepard, 45 Exchange St., Rochester 4, N. Y. Groups 25—99; 37—21—22—32. Reg. No. 123.

Pat. 2,353,984. AIR-PERVIOUS CLOTHING. Patented July 18, 1944. Clothing made of ordinary or strong cloth provided with a system of interrupted seams and apertures to permit ventilation and cooling of the body where most perspiration develops. Seams look normal but will alternately open and close during certain movements. (Owner) Anthony Barone, 193 West End Ave., New York 23, N. Y. Group 23—11—21—23—24—29. Reg. No. 124.

Pat. 2,370,240. NONSKID WALKING SPUR. Patented Feb. 27, 1945. Ice creeper made from a single piece of stiff wire, a shank portion to contact the ground, the opposite ends curved downwardly then forwardly around the heel, then inwardly and upwardly, the ends gripping the front of the heel. (Owner) Albert Hall, 1524 Chestnut Street, Philadelphia 2, Pa. Groups 30—22; 31—41; 33—41. Reg. No. 125.

Pat. 2,275,983. DEVICE FOR USE IN GUIDING AND SUPPORTING CHILDREN. Patented Mar. 10, 1942. Hoop for receiving the hand or arm of an adult, a rigid member universally attached thereto, a child's holding handle and lead strap universally attached to the lower end of the rigid member, and a baby harness universally attached to the lead strap. (Owner) Edouard J. Nadeau, 112 Superior St., Providence, R. I. Groups 23—83; 31—91—99. Reg. No. 126.

Pat. 2,353,309. COMBINED OCULAR AND MATHEMATICAL COMPUTATION DEVICE. Patented July 11, 1944. Single computation device including two plates or discs wherein by manipulation the eye grasps instantly the portion of a gross amount which is absorbed by taxes and other deductions and the net portion, and gives the exact mathematical computation of all deductions, or any portion thereof. (Owners) Clarence M. Johnson, assignor of one-half to Marjorie E. Davis. Address correspondence to Clarence M. Johnson, 539 Mountainview Terrace, Dunellen, N. J. Groups 35—71; 39—11. Reg. No. 127.

Patent Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER. Reason for removal: Patent has been assigned.

Adjudicated Patents

(C. C. A. Ky.) Hawkinson patent, No. 1,917,262, for an apparatus for retreading tire casings, claim 1 *Held* valid and infringed. *Paul E. Hawkinson Co.* v. *Wilcoxen,* 149 F.(2d) 471; 65 USPQ 444.

(C. C. A. Ky.) Hawkinson reissue patent, No. 21,956, for an apparatus for retreading tire casings, claims 1 and 6 *Held* valid and infringed. *Id.*

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 7, 1945

[VOL. 577. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 462,321. REDWOOD FIBRE PRODUCTS COMPANY, INC., Santa Cruz, Calif. Filed July 26, 1943.

BARKWOOL

FOR REDWOOD FIBER SOLD IN SHEETS, ROLLS, AND BALES AND USED FOR VARIOUS PURPOSES IN THE INDUSTRIAL ARTS.

Claims use since May 21, 1943.

Ser. No. 471,308. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J. Filed June 16, 1944.

ELASTRON

FOR RODS, TUBES, AND PARTLY PREPARED ARTICLES, CONSISTING OF BENDABLE NON-METALLIC MATERIALS—NAMELY, RUBBER, SYNTHETIC RUBBER OR PLASTICS, AND FOR USE IN THE MANUFACTURE OF HANDBAGS, BELTS, WRIST-WATCH BANDS, LUGGAGE, TOYS, UMBRELLA HANDLES, SUSPENDERS AND GARTERS, SHOE TRIMMINGS, SHOES, BRIEF CASES, TAGS, KEY CHAIN TAGS, FISHING LINES AND BATHROOM ACCESSORY ITEMS.

Claims use since December 1943.

Ser. No. 481,788. HERBERT J. HERIBERT, New York, N. Y. Filed Apr. 6, 1945.

HERIBEX

FOR PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES.

Claims use since Jan. 12, 1945.

Ser. No. 481,992. HERBERT J. HERIBERT, New York, N. Y. Filed Apr. 11, 1945.

LUPLEX

FOR PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES IN THE ARTS.

Claims use since Sept. 1, 1944.

CLASS 2

RECEPTACLES

Ser. No. 477,652. THE GLOBETROTTER, INC., Chicago, Ill. Filed Dec. 16, 1944.

Globetrotter

FOR COASTERS MADE OF CORK, FIBROUS MATERIAL, AND PLASTIC MATERIAL.

Claims use since Oct. 31, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 480,856. DAVID COHN, doing business as Main Street Trading Company, New York, N. Y. Filed Mar. 13, 1945.

MAIN STREETER PRODUCTS

MAIN ST.

The word "Products" is disclaimed apart from the mark.
FOR HANDBAGS, WALLETS, KEY CASES, COIN PURSES, LETTER CASES, CARD CASES, BRIEF CASES, SUITCASES, AND VALISES.
Claims use since Mar. 7, 1944.

Ser. No. 483,356. ETHEL DIXON WITKOWSKA, Washington, D. C. Filed May 14, 1945.

Presto

FOR PURSE LINERS.
Claims use since Mar. 2, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 464,266. GAMLEN CHEMICAL COMPANY, San Francisco, Calif., and Pittsburgh, Pa. Filed Oct. 20, 1943.

SEA SUDS

The word "Suds" is disclaimed apart from the mark as shown on the drawing.
FOR SOAP IN POWDERED FORM FOR DISH WASHING AND GENERAL CLEANING.
Claims use since May 1912

Ser. No. 479,772. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

MARVEL DIP

No claim is made to the word "Dip" apart from the mark.
FOR LIQUID GLASS CLEANER.
Claims use since Sept. 12, 1939.

Ser. No. 481,301. HAROLD R. WOODS, Los Angeles, Calif. Filed Mar. 24, 1945.

SUPER CALVOHERB SOAP

The word "Soap" is disclaimed apart from the mark.
FOR SOAP.
Claims use since Nov. 15, 1944.

Ser. No. 481,903. PARFAIT, INCORPORATED, Chicago, Ill. Filed Apr. 9, 1945.

TRADITION

FOR SOAP.
Claims use since Jan. 3, 1943.

Ser. No. 482,086. BANITE, INC., Buffalo, N. Y. Filed Apr. 13, 1945.

DL

FOR CLEANER FOR HANDS, FABRICS, WALLS, AND GENERAL HOUSEHOLD USE.
Claims use since Apr. 6, 1945.

Ser. No. 482,163. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 14, 1945.

"NO ESCAPE"

FOR TOILET SOAPS.
Claims use since Mar. 26, 1945.

CLASS 5

ADHESIVES

Ser. No. 484,201. THE FIRESTONE TIRE & RUBBER COMPANY Akron, Ohio. Filed June 6, 1945.

HYTAC

FOR NATURAL AND SYNTHETIC RUBBER ADHESIVE COMPOSITIONS.
Claims use since Jan. 24, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 462,069. CRODA LIMITED, Goole, England. Filed July 14, 1943.

HARTOLAN

FOR COMPOSITION OF SOLID ALCOHOLS AND STEROLS PREPARED FROM WOOL GREASE AND USED AS AN EMULSIFYING AGENT, AS A PLASTIFIER FOR RUBBER AND ARTIFICIAL RUBBER, AS A THICKENER FOR OILS AND GREASES AND AS AN INGREDIENT TO BE USED IN PHARMACEUTICAL, COSMETIC, AND TOILET PREPARATIONS.
Claims use since July 1, 1937.

Ser. No. 462,882. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, London, England. Filed Aug. 20, 1943.

CELLOFAS

FOR CHEMICAL CELLULOSIC SUBSTANCES FOR USE IN SIZING, FINISHING AND DRESSING OF TEXTILE MATERIALS IN THE COURSE OF MANUFACTURE; CHEMICAL CELLULOSIC SUBSTANCES FOR USE IN THE MANUFACTURE OF PROTECTIVE COLLOIDS: EMULSIFYING AGENTS AND THICKENING AGENTS, BINDING AGENTS AND ADHESIVES, ALL BEING CHEMICALS FOR INDUSTRIAL PURPOSES.
Claims use since June 26, 1937.

Ser. No. 468,604. GIBBS & COMPANY, Chicago, Ill. Filed Mar. 24, 1944.

MODELS' SPECIAL LIP-KIT

No claim is made to the words "Special Lip-Kit" apart from the mark.
FOR FACIAL MAKE-UP, LIPSTICK, LIP ROUGE, SALVE FOR THE LIPS, AND LIP PENCIL.
Claims use since Apr. 10, 1941.

Ser. No. 469,386. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Apr. 17, 1944.

DITRAN

FOR COMPOUND FOR STERILIZING AND TREATING WATER.
Claims use since Jan. 18, 1944.

Ser. No. 471,501. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed June 21, 1944.

SURJEX

FOR CHEMICAL PREPARATIONS FOR REMOVING CARBON AND SLUDGE FROM INTERNAL COMBUSTION ENGINES, MOTOR PARTS AND THE LIKE.
Claims use since Nov. 1, 1943.

Ser. No. 472,348. SOPHIE WILETS, doing business under the name of Mrs. E. Wilets, Burlington, Wis. Filed July 17, 1944.

X-RAY

FOR FACE CREAM.
Claims use since Feb. 9, 1915.

Ser. No. 473,700. RICHARD HUDNUT, New York, N. Y. Filed Aug. 29, 1944.

AMERICAN CLUB

The term "American" is disclaimed apart from the mark.
FOR TALCUM POWDER, DEODORANT, CLEANSING CREAM AND SKIN FRESHENER.
Claims use since Apr. 25, 1944.

Ser. No. 475,512. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio. Filed Oct. 19, 1944.

ALKaPectin

The word "Pectin" is disclaimed apart from the mark.
FOR MEDICINAL PREPARATION FOR TREATMENT OF GASTRO-INTESTINAL DISTURBANCES.
Claims use since Sept. 29, 1944.

Ser. No. 476,069. THE LLEWELLYN BIOLOGICAL INSTITUTE, Los Angeles, Calif. Filed Nov. 3, 1944.

FORMULA 171

The word "Formula" is disclaimed apart from the mark.
FOR TESTICULAR AND PROSTATIC EXTRACT USED IN THE TREATMENT OF MALE HYPOGONADISM, PROSTATIC HYPERTROPHY AND OTHER CONDITIONS DUE TO ANDROGENIC INSUFFICIENCY.
Claims use since June 4, 1940.

Ser. No. 476,070. THE LLEWELLYN BIOLOGICAL INSTITUTE, Los Angeles, Calif. Filed Nov. 3, 1944.

FORMULA 171-F

The word "Formula" is disclaimed apart from the mark.
FOR OVARIAN, TESTICULAR AND PROSTATIC EXTRACT USED FOR THE TREATMENT OF CONDITIONS REQUIRING ADMINISTRATIONS OF ESTROGENS.
Claims use since Oct. 5, 1940.

Ser. No. 476,515. INTERNATIONAL PULVERIZING CORPORATION, Moorestown, N. J. Filed Nov. 16, 1944.

MICRONIZED

FOR CALOMEL AND SULFATHIAZOLE, MEDICAMENTS USED AS LOCAL ANESTHETICS, SPERMATICIDES, ANTISEPTICS, GERMICIDES, FUNGICIDES, PARASITICIDES, CENTRAL NERVOUS SYSTEM DEPRESSANTS, CENTRAL NERVOUS SYSTEM STIMULANTS, DRUGS ACTING ON AUTONOMIC EFFECTOR CELLS, CARDIOVASCULAR DRUGS, DIURETICS, ANTIDIURETICS, DEMULCENTS, EMOLLIENTS, ASTRINGENTS, IRRITANTS, CATHARTICS, DIGESTANTS, EMETICS AND EXPECTORANTS.
Claims use since July 19, 1944.

Ser. No. 476,781. PLAIMAR LIMITED, West Perth, Australia. Filed Nov. 22, 1944.

PLAIMAR

No claim is made to the map of Australia apart from the mark.
FOR ESSENTIAL OILS USED IN MEDICINE AND PHARMACY.
Claims use since June 1, 1927.

Ser. No. 477,901. TESTAGAR & CO., INC., Detroit, Mich. Filed Dec. 23, 1944.

TESTAVOL

FOR VITAMIN PRODUCT—I. E., A HIGH CONCENTRATION VITAMIN A CAPSULE.
Claims use since September 1944.

Ser. No. 477,902. TESTAGAR & CO., INC., Detroit, Mich. Filed Dec. 23, 1944.

SECTIN

FOR MEDICINAL PREPARATION—I. E., A SOY BEAN LECITHIN.
Claims use since November 1943.

Ser. No. 477,954. CICERO RUDD, doing business as The Ashland Pharmacy, Ashland, Ala. Filed Dec. 26, 1944.

VITRILINE

FOR NON-TOXIC LIQUID HEALING AGENT FOR CUTS, BRUISES, SORES AND BURNS.
Claims use since Jan. 1, 1935.

Ser. No. 478,228. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed Jan. 4, 1945.

Movietone

FOR MAKE-UP CREAM.
Claims use since Oct. 22, 1944.

Ser. No. 478,636. MARTÉ PREPARATIONS, Chicago, Ill. Filed Jan. 15, 1945.

Marté

FOR FACE POWDER, FACE CREAMS, FACE LOTIONS, EYESHADOW, ASTRINGENTS, CREAM AND DRY ROUGE, DUSTING POWDER, HAND BALMS AND CREAM, BUBBLE BATH PREPARATION, LIQUID AND POWDER DEODORANTS, AN ALMOND MEAL AND GLYCERINE PREPARATION USED AS A FACIAL CLEANSING MASK, PERFUMES, COLOGNES, LIPSTICK, MASCARA, SHAMPOO, SKIN TONING OIL, LEG MAKE-UP, MEN'S POWDER, AFTER-SHAVE LOTION.
Claims use since Oct. 11, 1944.

Ser. No. 479,549. ERNST BISCHOFF COMPANY, INCORPORATED, Ivoryton, Conn. Filed Feb. 8, 1945.

AMINET

FOR PREPARATION IN SUPPOSITORY FORM FOR THE RELIEF OF SPASM OF THE RESPIRATORY TRACT.
Claims use since Sept. 5, 1944.

Ser. No. 479,609. OWEN E. WOODRUFF, doing business under the name of Owenswood Products Co., Buffalo, N. Y. Filed Feb. 7, 1945.

OWENS THROAT TR RELIEF PASTILLES

No claim is made to the name "Owens" or to the words "Throat Relief Pastilles" apart from the association shown.
FOR THROAT PASTILLES.
Claims use since Feb. 14, 1924.

Ser. No. 480,334. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed Feb. 28, 1945.

LICURON-B

No claim is made to the letter "B" apart from the mark.
FOR TABLETS CONTAINING LIVER, IRON, AND COPPER, AND CRYSTALLINE B VITAMINS FOR USE IN THE TEATMENT OF HYPOCHROMIC AND OTHER NUTRITIONAL ANEMIAS.
Claims use since Jan. 13, 1943.

Ser. No. 480,664. H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Mar. 8, 1945.

Levelon

FOR BLUING USED FOR LAUNDRY PURPOSES.
Claims use since January 1938.

Ser. No. 480,857. DAVID COHN, doing business as Main Street Trading Company, New York, N. Y. Filed Mar. 13, 1945.

MAIN STREETER PRODUCTS MAIN ST.

The word "Products" is disclaimed apart from the mark.
FOR LIPSTICK, ROUGE, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, HAND LOTION, BODY LOTION, LEG MAKE-UP, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, NAIL WHITE, NAIL OIL, NAIL BALM, NAIL SALVE, CUTICLE REMOVER, PERFUMES, AND SACHETS.
Claims use since Mar. 7, 1944.

Ser. No. 481,035. TUCKER GENERAL SALES AGENCY, Seattle, Wash. Filed Mar. 17, 1945.

NO-BAC

FOR BACTERIAL INHIBITOR IN POWDERED FORM FOR INCORPORATION IN ICE DURING THE MANUFACTURE OF THE ICE.
Claims use since Oct. 1, 1944.

Ser. No. 481,133. KATHERINE F. BUNTON, doing business as The K. B. B. Laboratories, Manchester, N. H. Filed Mar. 21, 1945.

K·F·B

FOR COMPOUND FOR THE TREATMENT OF ASTHMA.
Claims use since July 6, 1940.

Ser. No. 481,291. P. H. D. LABORATORY, INC., New Orleans, La. Filed Mar. 24, 1945.

Kapa-THYA

FOR VITAMIN B-COMPLEX PREPARATION.
Claims use since Mar. 1, 1945.

Ser. No. 481,505. WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio. Filed Mar. 29, 1945.

VITANUTRANS

FOR VITAMIN B COMPLEX PHARMACEUTICAL PREPARATION IN ELIXIR, PILL, AND AMPUL FORMS.
Claims use since Oct. 2, 1931.

Ser. No. 481,774. C. A. BURNETTE, Macon, Ga. Filed Apr. 6, 1945.

MO-CORN-CAL

No claim is made to the word "Corn" apart from the mark.
FOR SALVE USED FOR THE REMOVAL OF CORNS AND CALLOUSES.
Claims use since Sept. 1, 1944.

Ser. No. 481,957. PARFUMS CHARBERT, INC., New York, N. Y. Filed Apr. 10, 1945.

"HIGH SPIRITS"

FOR GENTLEMEN'S TOILETRIES CONSISTING OF EAU DE COLOGNE, AFTER SHAVING LOTION, TALCUM POWDER, FACE POWDER, TOILET POWDER, HAIR LOTION, HAIR POMADE, AND DEODORANT.
Claims use since Mar. 16, 1945.

Ser. No. 482,517. ALLIED LABORATORIES, INC., doing business as Pitman-Moore Co., Indianapolis, Ind. Filed Apr. 24, 1945.

SULFACARZOLE

FOR CHEMICAL COMPOUND USEFUL AS A BACTERIOSTATIC THERAPEUTIC AGENT.
Claims use since June 29, 1944.

Ser. No. 482,652. HARRY A. SIMON, doing business as La Floreal Parfum Sales Company, Hollywood, Calif. Filed Apr. 26, 1945.

Pampered

FOR PERFUMES AND COLOGNES.
Claims use since Feb. 9, 1945.

Ser. No. 482,683. THE MARIANO BEAUTY SALON, New York, N. Y. Filed Apr. 27, 1945.

Guardette

FOR HAIR POMADE AND SCALP OINTMENT.
Claims use since Apr. 23, 1945.

Ser. No. 483,440. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed May 16, 1945.

LOROPHYN

FOR VAGINAL PREPARATION.
Claims use since Mar. 1, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 471,521. THE FIBRE CONDUIT COMPANY, Orangeburg, N. Y. Filed June 22, 1944.

TAPERWELD

FOR COUPLINGS FOR LOW PRESSURE WATER PIPE, SEWER PIPE, AND DRAIN PIPE, THE COUPLINGS BEING MADE OF FIBRE, SUCH AS WOOD FIBRE, IMPREGNATED WITH BITUMINOUS MATERIAL SUCH AS COAL TAR PITCH.
Claims use since June 2, 1944.

Ser. No. 477,900. STEEL WAREHOUSING CORPORATION, Chicago, Ill. Filed Dec. 23, 1944.



No claim is made to the word "Beam" or to the representation of the steel beam apart from the mark.
FOR STRUCTURAL STEEL BARS AND STEEL PLATES FOR CONSTRUCTION PURPOSES, STEEL GIRDERS, AND BEAMS INCLUDING I-BEAMS.
Claims use since Oct. 15, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 478,301. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Jan. 5, 1945.

TEENUTS

FOR STAMPED SHEET METAL FASTENERS ADAPTED TO BE USED IN LIEU OF NUTS AND WASHERS HAVING ANCHORING BASE FLANGES FORMED IN VARIOUS SHAPES AND A TUBULAR THREADED BUSHING FOR ENGAGEMENT WITH THREADED SCREWS VARIOUSLY APPLIED TO ARTICLES OF MANUFACTURE IN THE INDUSTRIAL ARTS.
Claims use since July 1, 1930.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 482,106. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa. Filed Apr. 13, 1945.

G.S.N.

FOR STEEL BARS, BILLETS AND FORGINGS.
Claims use since Jan. 16, 1923.

CLASS 15

OILS AND GREASES

Ser. No. 479,028. CHEMOTEK MANUFACTURING COMPANY, Houston, Tex. Filed Jan. 26, 1945.

FLUROSEAL

FOR LUBRICATING AND SEALING GREASE.
Claims use since Dec. 4, 1944.

Ser. No. 479,390. LANAIR CHEMICAL CORPORATION, Chicago, Ill. Filed Feb. 3, 1945.

LANCO OIL SLUDGE EMULSIFIER

The words "Oil Sludge Emulsifier" are disclaimed apart from the mark.
FOR OIL SLUDGE EMULSIFIER, A FLUSHING OIL FOR BREAKING UP AND HOLDING SLUDGE IN SUSPENSION.
Claims use since Oct. 23, 1942.

Ser. No. 482,331. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Apr. 19, 1945.

VELO-A

The letter "A" is disclaimed apart from the mark.
FOR LUBRICATING OILS.
Claims use since Apr. 12, 1945.

Ser. No. 483,954. BARBER ASPHALT CORPORATION, Barber, N. J. Filed May 30, 1945.

JET

FOR GASOLINE.
Claims use since May 18, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 474,227. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill. Filed Sept. 15, 1944.

Spark-O-Lite

FOR LIQUID WAX FOR USE ON FLOORS.
Claims use since June 1, 1940.

Ser. No. 481,512. THE AMERICAN VARNISH COMPANY, Chicago, Ill. Filed Mar. 30, 1945.

PLASTIFLEX

FOR PAINTS IN PASTE FORM.
Claims use since June 1940.

Ser. No. 481,828. THE ARCO COMPANY, Cleveland, Ohio. Filed Apr. 7, 1945.

CHEMOX

FOR READY MIXED PAINT ESPECIALLY RESISTANT TO ACIDS, ALKALIS, FUMES, AND GASES.
Claims use since Apr. 1, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 471,997. BRADLEY & MELLIN, Minneapolis, Minn. Filed July 8, 1944.

SKIL-LO

FOR GAME OF SPORT EMPLOYING BALLS AND BALL CATCHING PADDLES HAVING A POCKET THEREIN.
Claims use since June 28, 1944.

Ser. No. 473,361. WILLIAM F. BRIESE, JR., doing business as Split Second Games, Steubenville, Ohio. Filed Aug. 17, 1944.

~~SPLIT SECOND~~

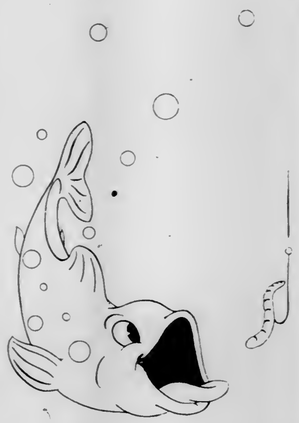
FOR BASEBALL GAME.
Claims use since July 19, 1944.

Ser. No. 482,806. JOSEPH E. MCKINSTRY, Los Angeles, Calif. Filed Apr. 30, 1945.

SCOOBIES

FOR WORMS FOR FISHING BAIT.
Claims use since Mar. 30, 1945.

Ser. No. 483,186. JOSEPH E. MCKINSTRY, Los Angeles, Calif. Filed May 10, 1945.



The representation of the worm is disclaimed apart from the mark.

FOR WORMS FOR FISHING BAIT.

Claims use since Mar. 30, 1945.

Ser. No. 483,962. ARTHUR DRITZ, doing business as Vitaplay Toy Co., New York, N. Y. Filed May 30, 1945.

Play Teacher

No claim is made to the word "Play" apart from the mark.

FOR EDUCATIONAL TOYS AND GAMES IN WHICH ALPHABETS AND NUMBERS ARE EMPLOYED.

Claims use since Mar. 15, 1945.

Ser. No. 484,556. LOUIS J. BRISKE, JR., doing business as Briskraft Novelty Company, Menasha, Wis. Filed June 15, 1945.

Briskwool

FOR TOY ANIMALS.

Claims use since Oct. 2, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 465,727. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed Dec. 13, 1943.

ISOdraulic

FOR HYDRAULIC UNITARY CONTROL APPARATUS COMPRISING MANUALLY OPERATED PRESSURE ACTUATOR MASTER UNITS, EQUALIZERS, AND HYDRAULIC SLAVE UNITS FOR USE ON AIRCRAFT, LOCOMOTIVES, WATERCRAFT AND MACHINERY AS OPERATIONAL UNITS.

Claims use since Dec. 18, 1942.

Ser. No. 472,424. E. H. JACOBS MANUFACTURING CO. INC., Danielson, Conn. Filed July 20, 1944. Under the 10-year proviso as to "Jacobs."

JACOBS PLAS-TEX

FOR LOOM SUPPLIES—NAMELY, SWEEPSTICKS, BINDERS, PICKERS, PICKER STICKS, LUG STRAPS, CHECK STRAPS, JACK STRAPS.

Claims use since June 26, 1944; and since 1869 for "Jacobs."

Ser. No. 473,102. THE KENDALL COMPANY, Walpole, Mass. Filed Aug. 9, 1944.

TAPEMASTER

FOR ROLL HOLDER AND CUTTER FOR USE IN DISPENSING LENGTHS OF ADHESIVE TAPE OR THE LIKE FROM ROLLS THEREOF.

Claims use since Dec. 13, 1943.

Ser. No. 479,607. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. File Feb. 8, 1945.

WISCOLOY TUNGSTEN CARBIDES

The words "Tungsten" and "Carbides" are disclaimed apart from the mark.

FOR TUNGSTEN CARBIDE DIES FOR WIRE DRAWING, TUBE DRAWING, CARTRIDGE MANUFACTURE AND THE LIKE, AND CARBIDE TOOLS FOR METAL TURNING LATHES, SPRING-MAKING MACHINERY, AND SIMILAR APPLICATIONS.

Claims use since Dec. 1, 1944.

Ser. No. 480,424. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 2, 1945.

MONITOR

FOR BRUSHES USED AS MACHINE ACCESSORIES, WIRE BRUSHES AND BRUSHES MADE FROM WIRE. FOR MOUNTING UPON SHAFTING, ROTARY BRUSHES FOR POLISHING AND CLEANING, AND SECTIONS AND PARTS OF SUCH BRUSHES.

Claims use since Jan. 1, 1915.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 476,102. HOROWITZ & SON, INC., New York, N. Y. Filed Nov. 4, 1944.

CLINIC

FOR WATCHES.

Claims use since February 1936.

Ser. No. 477,169. THE UNITED STATES TIME CORPORATION, Waterbury, Conn. Filed Dec. 2, 1944.

TIMEX

FOR CLOCKS AND WATCHES.

Claims use since Nov. 7, 1944.

Ser. No. 480,362. WELTA WATCH CO., LTD., Bienne, Switzerland. Filed Feb. 28, 1945.

WELTA

FOR WATCHES.

Claims use since May 1, 1915.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 480,617. OAKES & CO., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR ELECTRIC REFRIGERATORS, DEEP FREEZE FOOD STORAGE CABINETS, ICE BOXES, MILK FILTER DISCS, OIL FILTERS, AND WATER FILTERS.

Claims use since Sept. 15, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 476,788. ROBERT U. ROURKE, Pomfret, Conn. Filed Nov. 16, 1944.

TRANSMUTAWOOD

FOR WOODEN PARTS OF FURNITURE—I. E., LEGS, SEATS, TABLE-TOPS, ARMS, AND ARMRESTS, SPINDLES AND BACKS.

Claims use since Oct. 17, 1944.

Ser. No. 482,692. THE W. L. MAXSON CORPORATION, New York, N. Y. Filed April 27, 1945.



FOR STORAGE CABINETS.

Claims use since Apr. 2, 1945.

Ser. No. 483,805. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed May 26, 1945.

HALLMARK

FOR GLASS PICTURE FRAMES.
Claims use since November 1914.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 483,098. THE VULCAN RADIATOR COMPANY, Hartford, Conn. Filed May 7, 1945.

VULCAN-HARTFORD

The word "Hartford" is disclaimed apart from the mark.
FOR HEATING RADIATOR UNITS COMPRISED OF METAL PIPES OR TUBES UPON WHICH THIN RADIATING PLATES OR FINS ARE FASTENED AND RADIATING FINS FOR THE SAME.
Claims use since Apr. 1, 1944.

Ser. No. 483,509. BERMING PRODUCTS CORP., New York, N. Y. Filed May 18, 1945.

CIG

FOR PYROPHORIC CIGARETTE LIGHTERS.
Claims use since Mar. 1, 1945.

Ser. No. 484,398. GALTER MANUFACTURING COMPANY, Chicago, Ill. Filed June 11, 1945.

CYCLONE

FOR PYROPHORIC CIGAR LIGHTERS.
Claims use since Sept. 10, 1940.

Ser. No. 484,399. GALTER MANUFACTURING COMPANY, Chicago, Ill. Filed June 11, 1945.

MERCURY

FOR PYROPHORIC CIGAR LIGHTERS.
Claims use since Sept. 10, 1940.

Ser. No. 484,400. GALTER MANUFACTURING COMPANY, Chicago, Ill. Filed June 11, 1945.

TYPHOON

FOR PYROPHORIC CIGAR LIGHTERS.
Claims use since Sept. 10, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 482,868. CONTINENTAL PRODUCTS, INC., Chicago, Ill. Filed May 2, 1945.

WORLD

FOR PNEUMATIC TIRE TUBES.
Claims use since 1919.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 470,636. REXON INC., New York, N. Y. Filed May 25, 1944.

REXON

FOR MOUTH ORGANS, HARMONICAS, MUSIC BOXES, MUSICAL NOVELTY CIGAR AND CIGARETTE BOXES, PHONOGRAPH NEEDLES, PHONOGRAPH RECORDS, AND ALBUMS FOR PHONOGRAPH RECORDS.
Claims use since Mar. 30, 1944.

Ser. No. 470,640. REXON INC., New York, N. Y. Filed May 25, 1944.

REXOR

FOR MOUTH ORGANS, HARMONICAS, MUSIC BOXES, MUSICAL NOVELTY CIGAR AND CIGARETTE BOXES, PHONOGRAPH NEEDLES, PHONOGRAPH RECORDS, AND ALBUMS FOR PHONOGRAPH RECORDS.
Claims use since Mar. 30, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 470,132. BELLE ANDERSON, Chicago, Ill. Filed May 11, 1944.

Gay-Tone

The word "Tone" is disclaimed apart from the mark.
FOR STICKERS MADE OF PAPER, PLACE CARDS, PAPER NAPKINS, EMPTY PAPER MATCH PACKS, AND BLANK TALLY CARDS.
Claims use since Mar. 1, 1944.

Ser. No. 480,812. AMERICAN STATIONERY PRODUCTS, Chicago, Ill. Filed Mar. 12, 1945.

MAIL-O-GRAPH

No claim is made to the word "Mail" apart from the mark.
FOR LOOSELEAF BINDERS AND LOOSELEAF BINDER INSERTS.
Claims use since Feb. 15, 1945.

Ser. No. 482,950. R. S. V. P. INC., New York, N. Y. Filed May 3, 1945.

RESPONVELOP

FOR LETTER WRITING PAPER, ENVELOPES, AND MAILING DEVICES—NAMELY, COMBINATION FORWARDING AND RETURN ENVELOPE AND COMBINATION FORWARDING AND RETURN LETTER SHEET.
Claims use since Aug. 11, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 481,168. WILLIAM H. WISE & CO. INC., New York, N. Y. Filed Mar. 21, 1945.



Applicant disclaims the word "Mysteries" apart from the mark.
FOR SERIES OF BOOKS.
Claims use since Mar. 9, 1945.

Ser. No. 481,851. M. L. J. MAGAZINES, New York, N. Y., and St. Louis, Mo. Filed Apr. 7, 1945.



FOR MAGAZINE ISSUED QUARTERLY.
Claims use since May 19, 1944.

Ser. No. 482,330. DOROTHY KASSEL, doing business as Dotty Kassel, Forth Worth, Tex. Filed Apr. 19, 1945.

PRESENT

FOR PUBLICATION ISSUED PERIODICALLY CONSISTING OF HOME-TOWN NEWS OF INTEREST TO MEMBERS OF THE ARMED FORCES AND THOSE OTHERWISE ABSENT FROM THEIR HOMES.
Claims use since Jan. 1, 1945.

Ser. No. 482,621. CECIL W. FARRAR, New York, N. Y. Filed Apr. 26, 1945.

For the Record



The words "Cooling, Plumbing, Heating, Ventilation, Living Comfort" are disclaimed apart from the mark.
FOR COLUMN IN A PERIODICAL PUBLICATION.
Claims use since Feb. 1, 1945.

CLASS 39

CLOTHING

Ser. No. 467,327. WAUSAU BREWING COMPANY, Wausau, Louis, Mo. Filed Apr. 22, 1943.



No claim is made to the term "Sport Wear" apart from the mark.
FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' SPORT SHIRTS, SPORT JACKETS, SLACKS, SWEATERS, T-SHIRTS, UNDERWEAR, AND PAJAMAS, AND FOR WOMEN'S AND GIRLS' SLACK SUITS, PLAY SUITS, AND SLIPS.
Claims use since Dec. 27, 1934.

Ser. No. 478,527. WEATHERCRAFT COMPANY, New York, N. Y. Filed Jan. 11, 1945.



No claim is made to the word "Rain" apart from the mark.
FOR RAINCOATS FOR WOMEN AND GIRLS.
Claims use since May 27, 1943.

Ser. No. 478,739. BAKER CLOTHES, Philadelphia, Pa. Filed Jan. 18, 1945.

Webspun

FOR MEN'S SUITS, SPORT COATS, AND TROUSERS.
Claims use since May 1938.

Ser. No. 479,130. IRVING N. JOSEPH, Chicago, Ill. Filed Jan. 29, 1945.

joseph Handcraft Originals

No claim is made to the expression "Handcraft Originals" apart from the mark.
FOR SHOES, SLIPPERS, AND BOOTS, MADE OF LEATHER, FABRIC, OR RUBBER, OR A COMBINATION OF SAID MATERIALS, AND INSOLES THEREFOR.
Claims use since 1944.

Ser. No. 479,712. HOLLYWOOD CASUALS, Los Angeles, Calif. Filed Feb. 12, 1945.

Playmaker

FOR WOMEN'S PLAYCLOTHES—NAMELY, SHORTS, SLACKS, JUMPERS, AND PLAYSUITS.
Claims use since January 1939.

Ser. No. 479,951. HENRY POLLAK, INC., New York, N. Y. Filed Feb. 17, 1945.

NEPA

FOR HAT BODIES AND HATS FOR WOMEN AND CHILDREN.
Claims use since Jan. 15, 1945.

Ser. No. 481,769. APOLLO SHIRT COMPANY, New York, N. Y. Filed Apr. 6, 1945.

Stradivari

FOR MEN'S, WOMEN'S, BOYS', AND CHILDREN'S DRESS SHIRTS, SPORT SHIRTS, BLOUSES, WORK SHIRTS, UNDER SHIRTS, SWEATERS, SHORTS, PAJAMAS, ROBES, BATHING SUITS, RAIN COATS, KNITTED SHIRTS, MEN'S BATHING TRUNKS, SLACKS, TROUSERS, SPORT COATS, JACKETS, WOMEN'S SLACKS, DRESSES, SHIRTWAISTS, AND BRASSIÈRES.
Claims use since Mar. 27, 1945.

Ser. No. 482,017. SCHILLER-DUBROW, New York, N. Y. Filed Apr. 11, 1945.



No claim is made to the words "Creators of Polka Dot Fashions" apart from the mark.
FOR HOUSECOATS, PAJAMAS, NIGHTGOWNS, BED JACKETS AND ROBES.
Claims use since Sept. 10, 1943.

Ser. No. 482,233. ABELES SHIRT COMPANY, New York, N. Y. Filed Apr. 17, 1945.

Don Varado

FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.
Claims use since Mar. 1, 1944.

Ser. No. 482,519. BLUE RIDGE OVERALLS COMPANY, Baltimore, Md. Filed Apr. 24, 1945.



FOR OVERALLS—NAMELY, BIB OVERALLS, WAISTBAND OVERALLS, COVERALLS (COMBINATION PANTS AND JACKETS), AND OVERALL JACKETS.
Claims use since Jan. 1, 1940.

Ser. No. 482,524. DANBURY NOVELTY CO., Danbury, Conn. Filed Apr. 24, 1945.

Dancoline

FOR CHILDREN'S AND INFANTS' PLAYSUITS, WASH SUITS, SNOW SUITS, JACKETS, AND OVERALLS.
Claims use since Mar. 1, 1944.

Ser. No. 482,543. NEW YORK KNITTING MILLS, INC., New York, N. Y. Filed Apr. 24, 1945.

Nymit

FOR KNITTED SWEATERS, KNITTED SKIRTS, LADIES' KNITTED DRESSES AND SUITS.
Claims use since Aug. 21, 1923.

Ser. No. 482,561. WILMINGTON HOSIERY MILLS, INC., Wilmington, Del. Filed Apr. 24, 1945.

SPONGETEX

FOR HOSIERY.
Claims use since Mar. 1, 1945.

Ser. No. 484,578. MOERS MILLS INC., Nashville, Tenn. Filed June 15, 1945.

STOMPERS

FOR ANKLETS OR BOBBY SOCKS AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Apr. 29, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 481,968. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 10, 1945.

TROOPERTWILL

FOR COTTON TWILL PIECE GOODS.
Claims use since Jan. 1, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 481,956. ORCHARD YARN AND THREAD COMPANY, New York, N. Y. Filed Apr. 10, 1945.

LovelyAnn

"Satisfaction In Every Stitch"

Applicant is the owner of Reg. No. 410,186, dated Nov. 14, 1944, showing the mark "Orchard . . . 'Satisfaction In Every Stitch.'"
FOR CROCHET AND KNITTING COTTON, KNITTING WORSTED, AND RAYON YARNS.
Claims use since Mar. 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 481,169. ALL-BEST SPECIALTIES CORP., New York, N. Y. Filed Mar. 22, 1945

Baby's Favorite

No claim is made to the word "Baby's" except as shown.
FOR NURSING BOTTLE HOLDERS.
Claims use since Feb. 1, 1945.

Ser. No. 482,980. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed May 4, 1945.

DUPLI-MOLD

The word "Mold" is disclaimed apart from the mark.
FOR COLLOID DUPLICATING COMPOUND FOR PRODUCING ONE PIECE IMPRESSIONS FROM ORIGINAL DENTAL MODELS.
Claims use since Apr. 25, 1945

Ser. No. 483,820. ERIC HECHLER, New York, N. Y. Filed May 26, 1945.

STAYRITE

FOR HEARING AID DEVICES AND PARTS THEREOF.
Claims use since May 21, 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 475,388. WILLIAM FEAN, doing business as Wm. Fean Products Co., Columbus, Ohio. Filed Oct. 17, 1944.

FEAN BRAND

QUAN

The words "Fean Brand" and the representation of a lemon are disclaimed as a part of the trade-mark.
FOR SUBSTITUTE FOR LEMON JUICE TO BE USED FOR MAKING COLD DRINKS.
Claims use since Sept. 15, 1943.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 453,311. THE MIDLAND GROCERY COMPANY, Columbus, Ohio. Filed May 27, 1942.



Sweet Brier

FOR CANNED BARTLETT PEARS, CANNED PINEAPPLE, CANNED APRICOTS, CANNED FRUIT COCKTAIL, CANNED GRAPEFRUIT, CANNED GRAPEFRUIT JUICE, (FOR FOOD PURPOSES), CANNED PEACHES, CANNED RED SOUR PITTED CHERRIES, CANNED PLUMS, CANNED OYSTERS, CANNED SALMON, CANNED CUT GREEN BEANS, CANNED LIMA BEANS, CANNED RED KIDNEY BEANS, CANNED CORN, CANNED PUMPKIN, CANNED KRAUT, CANNED ASPARAGUS, CANNED SWEET POTATOES, CANNED PEAS, CANNED BEETS, CHEESE, BAKING CHOCOLATE, COCOANUT, COFFEE, NOODLES, TAPIOCA, CANNED APPLE BUTTER, JELLY, CANNED FRUIT PRESERVES, GRAPE JAM, PECTIN, MARSHMALLOW CREME, GELATIN DESSERT, HORSE RADISH MUSTARD, CANNED OLIVES, CANNED PICKLES, CHILI SAUCE, COCKTAIL SAUCE, TEA, AND VINEGAR.
Claims use since Apr. 25, 1911.

Ser. No. 470,349. ROCKWOOD & CO., Brooklyn, N. Y. Filed May 17, 1944

ROCK-CO

FOR COCOA.
Claims use since January 1931.

Ser. No. 471,190. KING KONE CORPORATION, New York, N. Y. Filed June 13, 1944.

KING KORN

Applicant is the owner of registration No. 308,143 Nov. 21, 1933. Applicant disclaims the word "Korn" apart from the mark.
FOR FRENCH FRIED POPCORN, CHEESE FLAVORED POPCORN, AND CARAMEL FLAVORED POPCORN.
Claims use since April 1938.

Ser. No. 473,071 ATHANASIOS K. MELLOS, doing business as Mellos Peanut Co., Los Angeles, Calif. Filed Aug. 8, 1944.

BUSTER BROWN

FOR POPCORN IN ITS NATURAL STATE.
Claims use since Jan. 18, 1944.

Ser. No. 477,855. HORATIO C. OLMSTEAD, doing business as Olmy's Chevy Chase Candies, Washington, D. C. Filed Dec. 22, 1944.

Chevy Chase Candies



The word "Candies" is disclaimed apart from the mark.
FOR CANDY.
Claims use since October 1941.

Ser. No. 481,594. GLENN ARTHUR WASSINGER, doing business as E. & G. Avocado Co., Los Angeles, Calif. Filed Mar. 31, 1945.

WHITE COLLAR

FOR FRESH AVOCADOS, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, NUTS IN THEIR NATURAL STATE.
Claims use since Feb. 28, 1945.

Ser. No. 484,152. GLENN WASSINGER, doing business as E & G Avocado Company, Los Angeles, Calif. Filed June 4, 1945.

HAV-A-CADO

FOR FRESH AVOCADOS.
Claims use since Apr. 30, 1945.

Ser. No. 484,174. KING KONE CORPORATION, doing business as Hi-Score Co., New York, N. Y. Filed June 5, 1945.

HI-SCORE

FOR RAW POPCORN.
Claims use since May 15, 1945.

CLASS 47

WINES

Ser. No. 479,062. BOHEMIAN DISTRIBUTING COMPANY, doing business as International Products Co., Los Angeles, Calif. Filed Jan. 27, 1945.

El Fomoso

FOR WINES.
Claims use since Apr. 7, 1944.

Ser. No. 473,080. OSCAR J. WILE & COMPANY, New York, N. Y. Filed Aug. 8, 1944.

GRAHAM'S
W.G.
GRAHAM
COUNSELLOR
Ruby Port Wine
PRODUCED & BOTTLED BY
W. & J. Graham & Co.
OPORTO

Applicant disclaims any words excepting "Counsellor."
FOR PORT WINE.
Claims use since May 20, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 487,327. WAUSAU BREWING COMPANY, Wausau, Wis. Filed Feb. 10, 1944.

LOUIS
SCHOEN'S
Old Lager



The portrait and signature are those of Louis Schoen, vice president of Wausau Brewing Co. The representation of three men seated at a table is fanciful. Applicant disclaims the words "Old Lager" except as shown.
FOR BEER.
Claims use since Dec. 1, 1943.

Ser. No. 470,445. CARL A. FUTTER, doing business as the Kenwood Laboratory, Chicago, Ill. Filed May 20, 1944.

MULTIHOPS

FOR HOP CONCENTRATE IN THE FORM OF LIQUID OR POWDER FOR USE IN MAKING MALT BEVERAGES.
Claims use since July 3, 1943.

Ser. No. 481,438. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa. Filed Mar. 28, 1945. Under 10-year proviso.



The lining on the drawing is for shading only.
FOR BEER.
Claims use since 1870.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 483,232. THE OVERBROOK COMPANY, INC., Baltimore, Md. Filed May 11, 1945.

SOUTHLAND CHARM



The lining on the drawing is for shading only.
FOR LIQUEUR.
Claims use since May 8, 1945.

Ser. No. 483,859. LADY HARRIETT BRANDS COMPANY, Detroit, Mich. Filed May 28, 1945.



The word "Brand" is disclaimed apart from the mark. The drawing is lined for red and gold. The image of a woman is fanciful.

FOR NON-ALCOHOLIC FLAVORING EXTRACTS FOR ALCOHOLIC LIQUORS, SPECIFICALLY FOR THE FOLLOWING EXTRACTS, CHERRY, BLACKBERRY, SLOE GIN, APRICOT, PEACH, CREME DE CACAO, GRENADINE, WHISKY SOUR, MARTINI, BRONX, TOM COLLINS, MANHATTAN, DAIQUIRI, AND SIDE CAR.
Claims use since Apr. 1, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 7, 1945

415,287. WATCHES. HENRY K. TURNHEIM doing business as Tourneau, New York, N. Y.
Filed August 28, 1941. Serial No. 446,640. PUBLISHED MAY 15, 1945. Class 27.

415,288. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, MUFFLERS, SWEATERS, ETC. DURENE ASSOCIATION OF AMERICA, New York, N. Y.
Filed January 9, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 457,824. PUBLISHED JUNE 27, 1944. Class 39.

415,289. KNITTED PIECE GOODS OF COTTONS; MESH PIECE GOODS OF COTTONS; CURTAIN NETTING; CURTAINS; BEDSPREADS; UPHOLSTERY FABRICS; SHIRTINGS OF COTTONS; CORSET FABRICS; AND LACE TABLECLOTHES. DURENE ASSOCIATION OF AMERICA, New York, N. Y.
Filed January 9, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 457,825. PUBLISHED MAY 15, 1945. Class 42.

415,290. NEEDLES, PINS AND TIPPING WIRE FOR CONSTITUTING THE PARTS WHICH ARE CALLED THE "NEEDLES" OF NEEDLE VALVES. EDWARD J. OVINGTON, doing business as Ovingtons, Boston, Mass.
Filed March 4, 1943. Serial No. 458,897. PUBLISHED MAY 8, 1945. Class 13.

415,291. OINTMENT IN THE NATURE OF A COUNTER IRRITANT FOR THE TREATMENT OF SORE THROAT, HEAD COLDS, CHEST COLDS, RHEUMATISM, INFLUENZA, PNEUMONIA, AND STRAINED MUSCLES AND JOINTS. MAUD BOWMAN BOYD, doing business under the name M. B. Boyd Co., Oklahoma City, Okla.
Filed May 21, 1943. Serial No. 460,789. PUBLISHED MAY 9, 1944. Class 6.

415,292. SANITARY NIPPLE PROTECTORS FOR NURSING BOTTLES. STERI-SEAL, Columbus, Ohio.
Filed May 31, 1943. Serial No. 461,072. PUBLISHED MAY 15, 1945. Class 44.

415,293. SILVERWARE CLEANER. EARL PRODUCTS COMPANY, Chappaqua, N. Y.
Filed August 7, 1943. Serial No. 462,551. PUBLISHED FEBRUARY 1, 1944. Class 4.

415,294. AUTO WASH. H. MULLER TOURAINE, doing business as Touraine Chemical Co., New York, N. Y.
Filed September 27, 1943. Serial No. 463,715. PUBLISHED MAY 15, 1945. Class 4.

415,295. SOLID AND FLUID BURNING FOOD WARMERS. FOOD CONVEYORS LIMITED, London, England.
Filed October 5, 1943. Serial No. 463,901. PUBLISHED MAY 15, 1945. Class 34.

415,296. DRILL HEAD FOR HOLDING AND DRIVING A TOOL FOR DRILLING HOLES IN METAL. WILLIAM F. DAMRAU, doing business as Michigan Industrial Sales Company, Detroit, Mich.
Filed October 12, 1943. Serial No. 464,080. PUBLISHED MARCH 28, 1944. Class 23.

415,297. SHAVING SOAP, SHAVING CREAM, AND PRE SHAVE LOTION. SPORTLINE, INC., New York, N. Y.
Filed November 8, 1943. Serial No. 464,831. PUBLISHED MAY 8, 1945. Class 4.

415,298. FUMIGATING COMPOUNDS SUCH AS METHYL BROMIDE AND SULFUR DIOXIDE, REFRIGERANTS SUCH AS METHYL CHLORIDE AND SULPHUR DIOXIDE, FOOD PRESERVING CHEMICALS SUCH AS SULPHUR DIOXIDE AND SODIUM BISULFITE, PHOTOGRAPHIC CHEMICALS SUCH AS SODIUM METABISULFITE, AND DISINFECTING CHEMICALS SUCH AS SULFUR DIOXIDE. PITTSBERG CHEMICAL CO., Los Angeles, Calif.
Filed November 11, 1943. Serial No. 464,926. PUBLISHED MAY 8, 1945. Class 6.

415,299. LIQUID COMPOUND FORMULATED FROM CHEMICALS TO IMPROVE THE DURABILITY OF LEATHER AND LEATHER SOLES. WINKELS & FISCHER, Whitestone, N. Y.
Filed December 4, 1943. Serial No. 465,518. PUBLISHED MAY 15, 1945. Class 6.

415,300. FRESH CITRUS FRUITS. EUCLID AVENUE ORANGE ASSOCIATION, Upland, Calif.
Filed December 10, 1943. Serial No. 465,678. PUBLISHED MAY 15, 1945. Class 46.

415,301. MATCHES. UNIVERSAL MATCH CORPORATION, St. Louis, Mo.
Filed January 17, 1944. Serial No. 466,660. PUBLISHED MAY 8, 1945. Class 9.

415,302. POWDER CONSISTING ESSENTIALLY OF CALCIUM HYDROXIDE AND A COMPLEX MIXTURE OF PROTEOSES, PEPTONES AND AMINO ACIDS AND USED AS AN ADDITIVE TO CONCRETE, PLASTER MORTAR, BRICK MORTAR, GROUT AND THE LIKE TO INCREASE THE STRENGTH, WORKABILITY AND DURABILITY THEREOF. DIAMOND SPRINGS LIME COMPANY, Diamond Springs, Calif.
Filed January 24, 1944. Serial No. 466,831. PUBLISHED MAY 15, 1945. Class 12.

415,303. STANDARD REFRACTORY BRICK. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed January 26, 1944. Serial No. 466,893. PUBLISHED MAY 15, 1945. Class 12.

415,304. VITAMIN TABLETS. ABE H. FINLEY, doing business as Finley & Co., Syracuse, N. Y.
Filed January 31, 1944. Serial No. 467,026. PUBLISHED MAY 8, 1945. Class 6.

415,305. FEED CONCENTRATE CONTAINING VITAMINS, PROTEINS, AND MINERALS AS A SUPPLEMENT TO STOCK AND POULTRY FEED. TRANSIT GRAIN & COMMISSION CO., Fort Worth, Tex.
Filed February 19, 1944. Serial No. 467,579. PUBLISHED APRIL 17, 1945. Class 46.

415,306. FILE FOLDERS AND EXPANDING FILING POCKETS AND FILING WALLETS ALL OF WHICH ARE MADE OF PAPER. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill.
Filed February 25, 1944. Serial No. 467,742. PUBLISHED MAY 15, 1945. Class 37.

415,307. REMOVABLE CUT-OUT LININGS FOR LADIES' AND MISSES' COATS AND SUITS. SIEGEL BROS. GARMENT CORP., New York, N. Y., now by change of name Leeds Ltd., Coats, Inc.
Filed March 22, 1944. Serial No. 468,542. PUBLISHED MAY 8, 1945 Class 39.

415,308. MEDICINAL PREPARATION RECOMMENDED FOR USE AS A SEDATIVE AND HYPNOTIC. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed April 17, 1944. Serial No. 469,398. PUBLISHED JULY 11, 1944. Class 6.

415,309. HYDRAULIC AND PNEUMATIC VIBRATORS AND THEIR CONTROLS FOR USE IN VIBRATING, INDUSTRIAL FEEDING, CONVEYING, SCREENING, AND OTHER APPARATUS, ETC. SYNTRON COMPANY, Homer City, Pa.
Filed May 6, 1944. Serial No. 470,009. PUBLISHED MAY 15, 1945. Class 23.

415,310. ELECTRIC WELDED TUBING. THE BABCOCK & WILCOX TUBE COMPANY, Beaver Falls, Pa.
Filed May 11, 1944. Serial No. 470,133. PUBLISHED MAY 8, 1945. Class 13.

415,311. BABIES' AND YOUNG CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. LUCIEN BOUGIE, doing business as Lucien Bougie Shoe Mfg., Montreal, Quebec, Canada.
Filed May 20, 1944. Serial No. 470,456. PUBLISHED MAY 8, 1945. Class 39.

415,312. VARIOUS TYPES OF SALTS DERIVED FROM METALS, SUCH AS MERCURY CHLORIDES, MERCURY OXIDES, TIN CHLORIDES, COPPER CARBONATE, CUPROUS OXIDE, SILVER NITRATE, ETC. METALSALTS CORPORATION, Hackensack, N. J.
Filed May 23, 1944. Serial No. 470,540. PUBLISHED MAY 8, 1945. Class 6.

415,313. ELECTRICAL SHIP TELEGRAPH TRANSMISSION AND RECEIVING COMMUNICATION SETS. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y.
Filed May 24, 1944. Serial No. 470,563. PUBLISHED MAY 15, 1945. Class 21.

415,314. DEPILATORY CREAMS. MAXWELL B. MACCABEE, doing business as M. R. Products Co., New York, N. Y.
Filed June 29, 1944. Serial No. 471,807. PUBLISHED MAY 8, 1945. Class 6.

415,315. PERFUMES, PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIPSTICKS, BATH SALTS. LES PARFUMS D'ISABEY INC., New York, N. Y.
Filed June 9, 1944. Serial No. 471,091. PUBLISHED MAY 15, 1945. Class 6.

415,316. ELECTRICAL IRONING MACHINES. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,916. PUBLISHED MARCH 6, 1945. Class 24.

415,317. ELECTRICAL IRONING MACHINES. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,917. PUBLISHED MAY 1, 1945. Class 24.

415,318. PREPARATION FOR TESTING FOR ACIDITY AND ALKALINITY AS WITH LITMUS PAPER. MERCK & CO., INC., Rahway, N. J.
Filed August 4, 1944. Serial No. 472,959. PUBLISHED MAY 8, 1945. Class 6.

415,319. FLUID FUEL BURNING STEAM AND HOT WATER GENERATING UNITS, AND PARTS THEREOF, FOR USE IN VARIOUS INDUSTRIAL AND DOMESTIC INSTALLATIONS, AND COMPRISED OF A BOILER, AND FEEDING APPARATUS THEREFOR IN COMBINATION, WITH OR WITHOUT A BURNER. ORR AND SEMBOWER, INC., Reading, Pa.
Filed August 8, 1944. Serial No. 473,072. PUBLISHED MAY 1, 1945. Class 34.

415,320. AIR CONDITIONERS, BEING MACHINES FOR CIRCULATING AND/OR COOLING, OR REMOVING, AND FILTERING AIR; AIR CONDITIONING DUCTS, ETC. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,121. PUBLISHED MAY 15, 1945. Class 34.

415,321. ASTRINGENT AND ANTISEPTIC AND FOR SUPPOSITORIES ADAPTED FOR RECTAL, VAGINAL, URETHRAL, AND OTHER BODY CAVITIES. WILLIAM R. WARNER & CO., Wilmington, Del., and New York, N. Y.
Filed August 10, 1944. Serial No. 473,168. PUBLISHED MAY 15, 1945. Class 6.

415,322. LIQUID PREPARATION OF PEPTONATES OF IRON AND MANGANESE FOR THE TREATMENT OF SIMPLE NUTRITIONAL ANEMIA. M. J. BREITENBACH CO., New York, N. Y.
Filed August 22, 1944. Serial No. 473,497. PUBLISHED MAY 8, 1945. Class 6.

415,323. PERFUMES—NAMELY, EAU DE COLOGNE. JACQUE A. HUNTER, Los Angeles, Calif.
Filed August 22, 1944. Serial No. 473,505. PUBLISHED MAY 15, 1945. Class 6.

415,324. CLEANING PREPARATION FOR GENERAL USE. SIMMONDS PRODUCTS LIMITED, Brentford, England.
Filed August 22, 1944. Serial No. 473,515. PUBLISHED MAY 8, 1945. Class 4.

415,325. PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES. LUDWIG SCHERK, INC., New York, N. Y.
Filed August 25, 1944. Serial No. 473,617. PUBLISHED MAY 15, 1945. Class 6.

415,326. LADIES' LINGERIE—NAMELY, NEGLIGEES, NIGHTGOWNS AND SLIPS. FISCHER & CO., INC., New York, N. Y.
Filed August 29, 1944. Serial No. 473,696. PUBLISHED OCTOBER 24, 1944. Class 39.

415,327. DENTAL CEMENT. DENTAL FILLINGS LIMITED, London, England
Filed August 30, 1944. Serial No. 473,726. PUBLISHED MAY 15, 1945. Class 44.

415,328. PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES. LUDWIG SCHERK, INC., New York, N. Y.
Filed August 30, 1944. Serial No. 473,751. PUBLISHED MAY 15, 1945. Class 6.

415,329. LIQUID FUEL COMBUSTION HEATERS—NAMELY, SPACE HEATERS FOR HEATING ROOMS, GARAGES, CABINS, AIRCRAFT CABINS, HOSPITAL AND FIELD TENTS AND THE LIKE, AND HEATERS FOR LOCALIZED HEATING. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed September 8, 1944. Serial No. 474,007. PUBLISHED MAY 15, 1945. Class 34.

415,330. FLUORESCENT LIGHTING FIXTURES AND PARTS THEREOF. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed September 11, 1944. Serial No. 474,070. PUBLISHED MAY 15, 1945. Class 21.

415,331. PERFUME AND TOILET WATER AND COLOGNE. DORELIS, INC., New York, N. Y.
Filed September 20, 1944. Serial No. 474,397. PUBLISHED MAY 8, 1945. Class 6.

415,332. SOLUTION FOR PARENTERAL ADMINISTRATION CONTAINING DEXTROSE 5% WITH THIAMINE HYDROCHLORIDE, RIBOFLAVIN AND NICOTINAMIDE IN ISOTONIC SODIUM CHLORIDE SOLUTION. HOSPITAL LIQUIDS, INC., Chicago, Ill.
Filed September 27, 1944. Serial No. 474,664. PUBLISHED FEBRUARY 6, 1945. Class 6.

415,333. ELECTRIC HEDGE TRIMMERS. L. J. KAUFMAN MFG. CO., Manitowoc, Wis.
Filed October 3, 1944. Serial No. 474,855. PUBLISHED MAY 15, 1945. Class 21.

415,334. MULTIPLE VITAMINS IN DOSAGE FORM. AMERICAN HOME PRODUCTS CORPORATION, New York, N. Y.
Filed October 11, 1944. Serial No. 475,180. PUBLISHED MAY 15, 1945. Class 6.

415,335. WAX COMBINATIONS FOR USE IN DEFEATHERING FOWL OR DEHAIRING ANIMALS. LAMONT-REED CORPORATION, New York, N. Y.
Filed October 11, 1944. Serial No. 475,210. PUBLISHED MAY 8, 1945. Class 6.

415,336. PINE BATH PREPARATIONS IN LIQUID FORM, IN POWDER FORM, AND IN FORM OF TABLETS FOR USE AS AN ADDITION TO THE WATER OF BATH TUB, ETC. HANS H. MASIE, New York, N. Y.
Filed October 11, 1944. Serial No. 475,214. PUBLISHED MAY 15, 1945. Class 6.

415,337. MEDICINAL PREPARATION FOR INTERNAL USE IN CASES OF PAIN DUE TO HEADACHES, COLDS, NEURALGIA, AND RHEUMATISM. WILLIAM L. HIRSCH, Buffalo, N. Y.
Filed October 16, 1944. Serial No. 475,363. PUBLISHED MAY 8, 1945. Class 6.

415,338. DOOR HANDLES INCORPORATING A CAMMING DEVICE FOR BREAKING THE JAMB SEAL OF TIGHT OR HEAVY DOORS. C. BLUM, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio.
Filed October 26, 1944. Serial No. 475,718. PUBLISHED MAY 8, 1945. Class 13.

415,339. CANDIES. MARLON CONFECTIONS COMPANY, New York, N. Y.
Filed October 27, 1944. Serial No. 475,765. PUBLISHED MAY 15, 1945. Class 46.

415,340. SCARVES AND FASCINATORS. BRIAN FABRICS CORP., New York, N. Y.
Filed November 4, 1944. Serial No. 476,094. PUBLISHED MAY 1, 1945. Class 39.

415,341. PREPARATION FOR USE IN THE PREVENTION AND CONTROL OF COCCIDIOSIS IN POULTRY. MOORMAN MANUFACTURING COMPANY, Quincy, Ill.
Filed November 4, 1944. Serial No. 476,111. PUBLISHED MAY 15, 1945. Class 6.

415,342. HAND WROUGHT SILVERWARE—NAMELY, BOXES, BOWLS, SPOONS, CANDY BOXES, CIGARETTE BOXES, TEA STRAINERS, CUPS, MINATURES, AND MUGS. LENNIE S. SUNDHEIM, Philadelphia, Pa.
Filed November 15, 1944. Serial No. 476,484. PUBLISHED MAY 15, 1945. Class 28.

415,343. GARGLE. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,657. PUBLISHED MAY 8, 1945. Class 6.

415,344. PHONOGRAPH RECORDS AND PHONOGRAPH RECORDING DISCS. MAX H. KRANZBERG, doing business as Chancellor Radio Company, New York, N. Y.
Filed November 23, 1944. Serial No. 476,792. PUBLISHED MAY 15, 1945. Class 36.

415,345. MACHINERY—NAMELY, PRINTING MACHINES EMPLOYING DETACHABLE IDENTIFYING TOKENS. AUTHORITE CORPORATION, Boston, Mass.
Filed November 27, 1944. Serial No. 476,898. PUBLISHED MAY 15, 1945. Class 23.

415,346. MEN'S AND WOMEN'S SUITS, SPORT COATS, AND SLACKS. BAKER CLOTHES, Philadelphia, Pa.
Filed November 30, 1944. Serial No. 477,050. PUBLISHED MAY 8, 1945. Class 39.

415,347. ELECTRIC LAUNDRY IRONS AND FOR ELECTRICAL MOTORS. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich.
Filed November 30, 1944. Serial No. 477,061. PUBLISHED MAY 15, 1945. Class 21.

415,348. THROAT WAFERS. FRANK Z. WOODS, Chicago, Ill.
Filed November 30, 1944. Serial No. 477,084. PUBLISHED MAY 15, 1945. Class 6.

415,349. TIRE VULCANIZING MACHINES. DEN-NAP ELECTRIC MOLD CO., Macon, Ga.
Filed December 1, 1944. Serial No. 477,100. PUBLISHED MAY 15, 1945. Class 23.

415,350. LAUNDRY WASHING MACHINE PARTS—NAMELY, AGITATORS, CENTER POSTS, SHAFTS, WRINGER ROLLS, BEARINGS (METAL AND WOOD), MOTOR COUPLINGS, TRANSMISSION GEARS, WRINGER GEARS, WRINGER CLUTCHES, WRINGER GEAR CASES, PINION GEARS. SAMUEL J. PARNES, doing business as Vesco Products Co., Kittanning, Pa.
Filed December 1, 1944. Serial No. 477,118. PUBLISHED MAY 15, 1945. Class 24.

415,351. FIRE BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed December 4, 1944. Serial No. 477,193. PUBLISHED MAY 15, 1945. Class 12.

415,352. BRAZING COMPOUND FOR THE USE OF BRAZING VARIOUS FERROUS AND NONFERROUS METALS AS A FLUX AS WELL AS A DECARBONIZING AGENT. CASTYRONE MANUFACTURING CORP., New York, N. Y.
Filed December 6, 1944. Serial No. 477,257. PUBLISHED MAY 8, 1945. Class 6.

415,353. BLANK NOTE-BOOKS, LOOSE LEAF NOTE-BOOK COVERS, AND BLANK TABLETS. PEARL E. WILSON, Santa Barbara, Calif.
Filed December 9, 1944. Serial No. 477,387. PUBLISHED MAY 15, 1945. Class 37.

415,354. FRESH VEGETABLES—NAMELY, FRESH TOMATOES. E. C. MAZZIE, trading as Mazzie Farms, Bakersfield, Calif.
Filed December 11, 1944. Serial No. 477,427. PUBLISHED MAY 15, 1945. Class 46.

415,355. COLOGNE, TOILET WATER, TALCUM POWDER, PERSONAL DEODORANT AND HAIR LOTION. M. DE TUVACHÉ, New York, N. Y.
Filed December 14, 1944. Serial No. 477,548. PUBLISHED MAY 8, 1945. Class 6.

415,356. LEATHER SUBSTITUTES IN THE PIECE, CONSISTING OF TEXTILE FABRICS, ETC. THE PANTASOTE LEATHER COMPANY, Passaic, N. J.
Filed December 16, 1944. Serial No. 477,664. PUBLISHED MAY 15, 1945. Class 50.

415,357. TOILET AND BATH SOAPS. SWIFT AND COMPANY, Chicago, Ill.
Filed December 19, 1944. Serial No. 477,750. PUBLISHED MAY 1, 1945. Class 4.

415,358. SHOES MADE OF LEATHER, OR LEATHER AND FABRIC OR LEATHER AND RUBBER. WILLIAM COHAN, Chicago, Ill.
Filed December 21, 1944. Serial No. 477,797. PUBLISHED MAY 1, 1945. Class 39.

415,359. FABRIC GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed December 22, 1944. Serial No. 477,861. PUBLISHED MAY 1, 1945. Class 39.

415,360. FRESH DECIDUOUS FRUITS. HARRY J. CHEIM, Marysville, Calif.
Filed December 26, 1944. Serial No. 477,915. PUBLISHED MAY 15, 1945. Class 46.

415,361. PLACE MATS OF COMPOSITION MATERIALS FOR USE AS PROTECTIVE PADS ON DINING TABLES. KANGAROO, Columbus, Ohio
Filed January 1, 1945. Serial No. 478,129. PUBLISHED MAY 15, 1945. Class 50.

415,362. SALVE FOR THE TREATMENT OF MINOR BURNS, SUNBURN, INSECT BITES AND CHAFING. MATHEW KASTRIN, doing business as Mathew Matzuni Laboratories, Detroit, Mich.
Filed January 2, 1945. Serial No. 478,158. PUBLISHED MAY 8, 1945. Class 6.

415,363. TOILET SOAP. RENOIR PARFUMS, LTD., New York, N. Y.
Filed January 3, 1945. Serial No. 478,189. PUBLISHED MAY 1, 1945. Class 4.

415,364. CUMMERBUNDS. BROMLEY-SHEPARD COMPANY, INC., Lowell, Mass.
Filed January 4, 1945. Serial No. 478,207. PUBLISHED MAY 15, 1945. Class 39.

415,365. BEACH ROBES, BEACH PAJAMAS, RAIN COATS, RAIN CAPES, JACKETS, HOODS, AND PANTS, FOR DRESS AND/OR SPORT, AND EACH FOR MEN, WOMEN AND CHILDREN. HYMAN H. MISHEL, Philadelphia, Pa.
Filed January 4, 1945. Serial No. 478,236. PUBLISHED APRIL 24, 1945. Class 39.

415,366. HAT PINS NOT MADE OF PRECIOUS METAL. WALTER P. TAYLOR, New York, N. Y.
Filed January 5, 1945. Serial No. 478,298. PUBLISHED MAY 15, 1945. Class 40.

415,367. CLOTHES WASHING MACHINES. BURKAW ELECTRIC CO., New York, N. Y.
Filed January 6, 1945. Serial No. 478,307. PUBLISHED MAY 8, 1945. Class 24.

415,368. MIRRORS—NAMELY, FURNITURE MIRRORS, WALL MIRRORS, POCKET MIRRORS, MAKE-UP MIRRORS AND SHAVING MIRRORS. CHESLER GLASS CO., Brooklyn, N. Y.
Filed January 6, 1945. Serial No. 478,308. PUBLISHED MAY 15, 1945. Class 32.

415,369. LADIES' AND MISSES' SUITS AND SLACKS. DIANA OLSON, doing business as Toby & Co. Sportswear, New York, N. Y.
Filed January 8, 1945. Serial No. 478,404. PUBLISHED MAY 8, 1945. Class 39.

415,370. HATS AND CAPS FOR MEN, WOMEN AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed January 10, 1945. Serial No. 478,478. PUBLISHED APRIL 24, 1945. Class 39.

415,371. INK THINNER. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio.
Filed January 11, 1945. Serial No. 478,515. PUBLISHED MAY 8, 1945. Class 11.

415,372. INDELIBLE INK. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio.
Filed January 11, 1945. Serial No. 478,516. PUBLISHED APRIL 17, 1945. Class 11.

415,373. TOILET SOAP AND SHAVING CREAM. M. DE TUVACHÉ, New York, N. Y.
Filed January 12, 1945. Serial No. 478,540. PUBLISHED MAY 1, 1945. Class 4.

415,374. LEATHER HANDBAGS FOR WOMEN. GREENBERG & LOBEL, New York, N. Y.
Filed January 12, 1945. Serial No. 478,550. PUBLISHED MAY 15, 1945. Class 3.

415,375. TABLE TOPS. THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 13, 1945. Serial No. 478,575. PUBLISHED MAY 15, 1945. Class 32.

415,376. LADIES' HATS. BEACHURST HATS, INC., New York, N. Y.
Filed January 15, 1945. Serial No. 478,607. PUBLISHED MAY 15, 1945. Class 39.

415,377. WOMEN'S AND MISSES' DRESSES AND BLOUSES, NIGHT GOWNS, SLIPS, PANTIES, BED JACKETS, INFANTS' SACKS, WRAPPERS, ROMPERS, DRESSES, BIBS, BONNETS AND GERTRUDES. SAKS & COMPANY, New York, N. Y.
Filed January 15, 1945. Serial No. 478,660. PUBLISHED MAY 8, 1945. Class 39.

415,378. TOY MUSICAL INSTRUMENTS SIMULATING A TYPEWRITER. TYPATUNE, INC., New York, N. Y.
Filed January 15, 1945. Serial No. 478,667. PUBLISHED MAY 15, 1945. Class 22.

415,379. INTRAVENOUS OR INTRAMUSCULAR INJECTIONS FOR CORRECTING CALCIUM DEFICIENCY. COLE CHEMICAL COMPANY, St. Louis, Mo.
Filed January 17, 1945. Serial No. 478,702. PUBLISHED MAY 15, 1945. Class 6.

415,380. PERFUMES, TOILET WATERS, COLD CREAMS, LIPSTICKS, FACE POWDERS, SACHET POWDER, BATH SALTS. LOUIS PASKIN, doing business as Soprano Perfume Co., New York, N. Y.
Filed January 18, 1945. Serial No. 478,759. PUBLISHED MAY 15, 1945. Class 6.

415,381. FOUNDATION GARMENTS. VENUS FOUNDATION GARMENTS, INC., Chicago, Ill.
Filed January 18, 1945. Serial No. 478,772. PUBLISHED MAY 15, 1945. Class 39.

415,382. PREPARATIONS USED IN THE LEATHER AND SHOE INDUSTRIES FOR CLEANING, WATERPROOFING, SOFTENING, CONDITIONING AND POLISHING LEATHER. WISCONSIN CHEMICAL PRODUCTS COMPANY, Milwaukee, Wis.
Filed January 18, 1945. Serial No. 478,779. PUBLISHED MAY 15, 1945. Class 4.

415,383. CHEMICAL SUBSTANCES FOR USE AS ANALYTICAL REAGENTS. THE BRITISH DRUG HOUSES, LIMITED, AND HOPKIN & WILLIAMS, LIMITED, London, England.
Filed January 19, 1945. Serial No. 478,780. PUBLISHED MAY 15, 1945. Class 6.

415,384. CRAVATS AND NECKTIES. CUTTER-CROSSETTE CO., Chicago, Ill.
Filed January 20, 1945. Serial No. 478,806. PUBLISHED MAY 1, 1945. Class 39.

415,385. SHOES AND SLIPPERS CONSTRUCTED OF LEATHER, FABRIC, AND STRAW. GROVES SHOE COMPANY, Chicago, Ill.
Filed January 20, 1945. Serial No. 478,815. PUBLISHED APRIL 24, 1945. Class 39.

415,386. COLOGNE AND AFTER SHAVE LOTION. HENRY JACOBS, doing business as Henri Company, Chicago, Ill.
Filed January 22, 1945. Serial No. 478,875. PUBLISHED MAY 8, 1945. Class 6.

415,387. DUSTING POWDER, TOILET WATER, BATH SALTS AND TALCUM POWDER. PARFAIT, INCORPORATED, Chicago, Ill.
Filed January 22, 1945. Serial No. 478,893. PUBLISHED MAY 15, 1945. Class 6.

415,388. TOILET SOAPS. IVOR RICH, New York, N. Y.
Filed January 22, 1945. Serial No. 478,903. PUBLISHED MAY 1, 1945. Class 4.

415,389. GIRLS' AND MISSES' COATS. SMART MAID COAT CO. INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,907. PUBLISHED MAY 8, 1945. Class 39.

415,390. SECTIONAL SHELVING, FILING CABINETS, AND FILING RACKS, CONSTRUCTED OF WOOD AND/OR METAL. HAL STONEBRAKER, doing business as Technicut Wood Products Co., Overland Park, Kans.
Filed January 22, 1945. Serial No. 478,912. PUBLISHED MAY 15, 1945. Class 32.

415,391. NEW AND RECONDITIONED LEATHER SHOES, SHOE SOLES AND HEELS OF LEATHER AND OF COMPOSITION. THE YANKEE SHOEMAKERS, INC., Newmarket, N. H.
Filed January 22, 1945. Serial No. 478,918. PUBLISHED APRIL 24, 1945. Class 39.

415,392. MURIATE OF POTASH. POTASH COMPANY OF AMERICA, Atlanta, Ga., New York, N. Y., and Carslbad, N. Mex.
Filed January 23, 1945. Serial No. 478,930. PUBLISHED MAY 15, 1945. Class 10.

415,393. WOMEN'S HATS. STYLEPARK HATS, INC., Philadelphia, Pa.
Filed January 24, 1945. Serial No. 478,979. PUBLISHED APRIL 24, 1945. Class 39.

415,394. TOILET SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed January 26, 1945. Serial No. 479,031. PUBLISHED MAY 1. 1945. Class 4.

415,395. COMPOUND OF KARAYA, CASCARA, SENNA AND BUCKTHORN WITH PHENOLPHTHALEIN FOR HUMAN CONSUMPTION FOR LAXATIVE PURPOSES. CONTINENTAL PHARMACEUTICAL CORPORATION, Valparaiso, Ind.
Filed January 26, 1945. Serial No. 479,032. PUBLISHED MAY 15, 1945. Class 6.

415,396. WITHDRAWN.

415,397. GLASS BOTTLES AND VIALS FOR MEDICINAL PREPARATIONS. GLASS INDUSTRIES, INC., Cincinnati, Ohio.
Filed January 26, 1945. Serial No. 479,035. PUBLISHED MAY 15, 1945. Class 33.

415,398. MEDICINAL SALVE FOR THE TREATMENT OF SURFICIAL SKIN AILMENTS. RICHARD O'SHAUGHNESSY, doing business as O'Shaughnessy & Co., St. Louis, Mo.
Filed January 26, 1945. Serial No. 479,046. PUBLISHED MAY 8, 1945. Class 6.

415,399. INSECTICIDES. ROCKET PRODUCTS COMPANY, Clayton, Mo.
Filed January 26, 1945. Serial No. 479,050. PUBLISHED MAY 15, 1945. Class 6.

415,400. INSECTICIDES AND FUNGICIDES. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed January 27, 1945. Serial No. 479,098. PUBLISHED MAY 15, 1945. Class 6.

415,401. LIPSTICK AND ROUGE. HENRI BENDEL, INC., New York, N. Y.
Filed January 29, 1945. Serial No. 479,106. PUBLISHED MAY 8, 1945. Class 6.

415,402. CHEMICALS AND INSECTICIDES FOR SPRAYING AND DUSTING PURPOSES. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed January 29, 1945. Serial No. 479,109. PUBLISHED MAY 15, 1945. Class 6.

415,403. PIECE GOODS OF COTTON, RAYON, AND MIXTURES OF COTTON AND RAYON. A. STEINAM COMPANY, INC., New York, N. Y.
Filed January 29, 1945. Serial No. 479,153. PUBLISHED MAY 8, 1945. Class 42.

415,404. MACHINE SCREW AND WASHER UNIT FASTENINGS. NEW ENGLAND SCREW CO., Keene, N. H.
Filed February 1, 1945. Serial No. 479,297. PUBLISHED MAY 15, 1945. Class 13.

415,405. SOAP IMPREGNATED PAPER. VELSO PRODUCTS COMPANY, Burlington, Iowa.
Filed February 2, 1945. Serial No. 479,365. PUBLISHED MAY 8, 1945. Class 4.

415,406. KNITTED FABRICS IN THE PIECE MADE OF COTTON, RAYON, SILK, AND WOOL, AND MIXTURES OF SAME. BEE TEXTILE COMPANY, New York, N. Y.
Filed February 3, 1945. Serial No. 479,372. PUBLISHED MAY 8, 1945. Class 42.

415,407. SOLVENT CLEANSER DETERGENT, SOLD IN BULK TO THE METAL AND TEXTILES INDUSTRIES, NOT CONSISTING ESSENTIALLY OF METHYL, ETHYL, OR ANY OF THE COMMON ALCOHOLS OR COMBINATIONS THEREOF. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed February 3, 1945. Serial No. 479,398. PUBLISHED MAY 8, 1945. Class 4.

415,408. VITAMIN B COMPLEX PREPARATION. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed February 7, 1945. Serial No. 479,520. PUBLISHED MAY 15, 1945. Class 6.

415,409. PERFUMES AND TOILET WATER. ARROW LABORATORIES INC., New York, N. Y.
Filed February 8, 1945. Serial No. 479,547. PUBLISHED MAY 15, 1945. Class 6.

415,410. COMBINATION KIT OF TOOTH-PASTE, TOOTH BRUSH AND DRINKING GLASS. HERMAN COHN, doing business as Herman Cohn Company and The House of Puzzy, Baltimore, Md.
Filed February 8, 1945. Serial No. 479,553. PUBLISHED MAY 15, 1945. Class 50.

415,411. PREPARATION CONTAINING SODIUM TAUROCHOLATE AND SODIUM GLYCOCHOLATE, ASSAYED FOR A SPECIFIED QUANTITY OF CHOLIC ACID, PLUS DEHYDROCHOLIC ACID USEFUL AS A CHOLERETIC AND HYDROCHOLERETIC IN THE TREATMENT OF BILIARY DEFICIENCIES. IRWIN, NEISLER & CO., Decatur, Ill.
Filed February 8, 1945. Serial No. 479,570. PUBLISHED MAY 15, 1945. Class 6.

415,412. PREPARATION CONTAINING PER FLUID OUNCE 16 GRAINS OF TERPIN HYDRATE FOR TREATMENT OF COUGHS DUE TO COLDS. IRWIN, NEISLER & CO., Decatur, Ill.
Filed February 8, 1945. Serial No. 479,571. PUBLISHED MAY 15, 1945. Class 6.

415,413. BABIES' FOLDING BATHTUBS MADE OF A WOODEN FRAME AND WATERHOLDING FABRIC. RICHARD C. LEWIS, Chicago, Ill.
Filed February 8, 1945. Serial No. 479,582. PUBLISHED MAY 8, 1945. Class 13.

415,414. CHEMICALS USED FOR THE FULLING AND FELTING OF TEXTILE FABRICS. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed February 8, 1945. Serial No. 479,596. PUBLISHED MAY 15, 1945. Class 6.

415,415. SHOE DRESSINGS AND SHOE POLISHES. EVANGELINE PRODUCTS, INC., Brooklyn, N. Y.
Filed February 9, 1945. Serial No. 479,617. PUBLISHED MAY 15, 1945. Class 4.

415,416. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed February 9, 1945. Serial No. 479,628. PUBLISHED MAY 15, 1945. Class 4.

415,417. PREFABRICATED BUILDINGS AND STRUCTURAL PARTS THEREOF. PHC HOUSING CORPORATION, New York, N. Y.
Filed February 9, 1945. Serial No. 479,639. PUBLISHED MAY 15, 1945. Class 12.

415,418. SLIDE OPERATED FASTENERS. TALON, INC., Meadville, Pa.
Filed February 9, 1945. Serial No. 479,651. PUBLISHED MAY 8, 1945. Class 13.

415,419. RUBBER THREAD OR YARN. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 13, 1945. Serial No. 479,759. PUBLISHED MAY 8, 1945. Class 43.

415,420. QUESTION AND ANSWER OUIJA GAME DEVICE. LEOPOLD FUCHS, New York, N. Y.
Filed February 14, 1945. Serial No. 479,791. PUBLISHED MAY 15, 1945. Class 22.

415,421. ELECTRONIC TUBES. THE TAKK CORPORATION, Newark, Ohio.
Filed February 14, 1945. Serial No. 479,822. PUBLISHED MAY 15, 1945. Class 21.

415,422. SYNTHETIC FEMALE HORMONE TABLET TO BE TAKEN BY ORAL ADMINISTRATION. VAN PELT & BROWN, INC., Richmond, Va.
Filed February 14, 1945. Serial No. 479,826. PUBLISHED MAY 8, 1945. Class 6.

415,423. LOTION FOR EXTERNAL USE IN THE TREATMENT OF SCABIES. VAN PELT & BROWN, INC., Richmond, Va.
Filed February 14, 1945. Serial No. 479,827. PUBLISHED MAY 8, 1945. Class 6.

415,424. ELECTRICAL WIRE AND CABLE. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 15, 1945. Serial No. 479,859. PUBLISHED MAY 15, 1945. Class 21.

415,425. WALLETS AND KEY CASES. FORSTENZER & FRANK, New York, N. Y.
Filed February 16, 1945. Serial No. 479,870. PUBLISHED MAY 15, 1945. Class 3.

415,426. AFTER SHAVE LOTION. PARFUMERIE CASELLA, Brooklyn, N. Y.
Filed February 16, 1945. Serial No. 479,897. PUBLISHED MAY 8, 1945. Class 6.

415,427. TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS; PARTICULARLY BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS AND SUCH TOOLS EQUIPPED WITH METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill.
Filed February 19, 1945. Serial No. 479,971. PUBLISHED MAY 15, 1945. Class 23.

415,428. ANTIMONY COMPOUND INTENDED FOR THE TREATMENT OF TROPICAL DISEASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 19, 1945. Serial No. 479,984. PUBLISHED MAY 8, 1945. Class 6.

415,429. VITAMIN COMBINATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 19, 1945. Serial No. 479,985. PUBLISHED MAY 8, 1945. Class 6.

415,430. ANTI-MILDEW AGENT WHICH COMBINES THE PROPERTIES OF A FUNGICIDE, BACTERICIDE, AND GERMICIDE. LEO J. RAMPEL, doing business as Rampel Chemical Co., Mount Vernon, N. Y.
Filed February 19, 1945. Serial No. 479,988. PUBLISHED MAY 15, 1945. Class 6.

415,431. LIQUID PREPARATION FOR EXTERNAL USE ONLY, FOR RELIEF OF SUNBURN, ITCH, INSECT BITES, RASH, AND OTHER MINOR SKIN IRRITATIONS. JOSEPH FLECK, doing business as Fleck Mfg. Co., Asbury Park, N. J.
Filed February 20, 1945. Serial No. 480,014. PUBLISHED MAY 8, 1945. Class 6.

415,432. RADIO TUBES. HYTRON CORPORATION, Salem, Mass.
Filed February 20, 1945. Serial No. 480,021. PUBLISHED MAY 15, 1945. Class 21.

415,433. CHEMICAL FLUX COMPOSITION FOR USE IN WELDING, BRAZING AND SOLDERING OPERATIONS, EITHER TO BE APPLIED TO METAL SURFACES OR TO WELDING RODS. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y.
Filed February 20, 1945. Serial No. 480,035. PUBLISHED MAY 15, 1945. Class 6.

415,434. DIGESTIVE TEA. ARNOLD A. ABSHIRE, doing business as Old Fashioned Herb Co., Alhambra, Calif.
Filed February 22, 1945. Serial No. 480,096. PUBLISHED MAY 8, 1945. Class 6.

415,435. DIGESTIVE WAFER. ARNOLD A. ABSHIRE, doing business as Old Fashioned Herb Co., Alhambra, Calif.
Filed February 22, 1945. Serial No. 480,097. PUBLISHED MAY 15, 1945. Class 6.

415,436. VAPOR INHALANT. SOL RAPPAPORT, Elmhurst, N. Y.
Filed February 22, 1945. Serial No. 480,119. PUBLISHED MAY 15, 1945. Class 6.

415,437. SYNTHETIC WAX FOR INDUSTRIAL USE. T. G. COOPER & CO., INC., Philadelphia, Pa.
Filed February 24, 1945. Serial No. 480,165. PUBLISHED MAY 15, 1945. Class 1.

415,438. AFTER SHAVING LOTION. JOHN C. ZOBRIST, doing business as J. C. Zobrist Company, Charleston, W. Va.
Filed February 24, 1945. Serial No. 480,219. PUBLISHED MAY 15, 1945. Class 6.

415,439. ANTI-PERSPIRANT AND DEODORANT CREAM. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo.
Filed March 2, 1945. Serial No. 480,418. PUBLISHED MAY 8, 1945. Class 6.

415,440. CHEMICAL COMPOUND USEFUL AS A VASOCONSTRICTOR WHICH IS SOLD IN SOLUTION FOR ORAL USE, FOR INJECTION, FOR TOPICAL APPLICATION, AND ALSO IN THE FORM OF ORAL TABLETS. E. BILHUBER, INC., Orange, N. J.
Filed March 3, 1945. Serial No. 480,436. PUBLISHED MAY 15, 1945. Class 6.

415,441. CHEMICAL COMPOUND USEFUL AS A VASOCONSTRICTOR, WHICH IS SOLD IN SOLUTION FOR ORAL USE, FOR INJECTION, FOR TOPICAL APPLICATIONS AND ALSO IN THE FORM OF ORAL TABLETS. E. BILHUBER, INC., Orange, N. J.
Filed March 3, 1945. Serial No. 480,437. PUBLISHED MAY 15, 1945. Class 6.

415,442. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES AND SHEET AND HYDRAULIC PACKING. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,591. PUBLISHED MAY 15, 1945. Class 35.

415,443. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,595. PUBLISHED MAY 15, 1945. Class 35.

415,444. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,596. PUBLISHED MAY 15, 1945. Class 35.

415,445. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,598. PUBLISHED MAY 15, 1945. Class 35.

415,446. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES AND SHEET AND HYDRAULIC PACKING. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,599. PUBLISHED MAY 15, 1945. Class 35.

415,447. STEAM GENERATORS. SOUTHERN SUPPLY CO., Pasadena, Calif.
Filed March 9, 1945. Serial No. 480,719. PUBLISHED MAY 15, 1945. Class 34.

415,448. OIL FILTER CARTRIDGES. AUTOMOTIVE UTILITIES CO., Newark, N. J.
Filed March 16, 1945. Serial No. 480,975. PUBLISHED MAY 15, 1945. Class 31.

415,449. LADIES', MISSES' AND CHILDREN'S HANDBAGS AND PURSES OF LEATHER, IMITATION LEATHER, FABRIC, PLASTIC AND COMBINATIONS THEREOF. ROTHBERG-GROSS, INC., New York, N. Y.
Filed March 19, 1945. Serial No. 481,084. PUBLISHED MAY 15, 1945. Class 3.

415,450. PHONOGRAPH NEEDLES. INTERNATIONAL MERIT PRODUCTS CORPORATION, New York, N. Y.
Filed March 20, 1945. Serial No. 481,109. PUBLISHED MAY 15, 1945. Class 36.

415,451. WOODEN DOORS. RODDIS LUMBER AND VENEER CO., Marshfield, Wis.
Filed March 23, 1945. Serial No. 481,246. PUBLISHED MAY 15, 1945. Class 12.

415,452. ADHESIVE PLASTERS AND BANDAGES FOR TREATING WRINKLES. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed March 27, 1945. Serial No. 481,349. PUBLISHED MAY 15, 1945. Class 44.

415,453. LADIES' AND CHILDREN'S HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. HANDI BAG CO., New York, N. Y.
Filed March 27, 1945. Serial No. 481,372. PUBLISHED MAY 15, 1945. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,454. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HYDRO-POWER SYSTEMS, INCORPORATED, Mount Gilead, Ohio. Filed Nov. 12, 1942. Serial No. 456,775.

HYDRO-POWER

FOR HYDRAULIC PUMPS, HYDRAULIC PRESSES, HYDRAULIC CONTROL VALVES, AND OTHER ACCESSORIES FOR CONTROLLING THE TRANSMISSION OF THE FLUID IN AND BETWEEN HYDRAULICALLY OPERATED DEVICES.
Claims use since May 1939.

415,455. (CLASS 38. PRINTS AND PUBLICATIONS.) INDUSTRIAL MEDICINE PUBLISHING COMPANY, Chicago, Ill. Filed Apr. 19, 1943. Serial No. 459,997.

INDUSTRIAL NURSING

FOR A PERIODICAL PUBLICATION.
Claims use since February 1943.

415,456. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed May 17, 1943. Serial No. 460,684.

AIR *Commerce*

The lining of the drawing being identical with that of the mark and not to represent color.
FOR AN ANNUAL PUBLICATION RELATING TO COMMERCIAL AVIATION.
Claims use since Apr. 29, 1943.

415,457. (CLASS 38. PRINTS AND PUBLICATIONS.) IMPORT PUBLICATIONS, INC., New York, N. Y. Filed June 5, 1943. Serial No. 461,169.



FOR A SECTION IN A PERIODICAL.
Claims use since Jan. 1, 1943.

415,458. (CLASS 10. FERTILIZERS.) TOVREA PACKING COMPANY, Phoenix, Ariz. Filed Aug. 26, 1943. Serial No. 463,034.

PLANTAID

FOR GARDEN, LAWN, SHRUB, AND FLOWER FERTILIZER.
Claims use since June 10, 1943.

415,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MICHIGAN FERTILIZER COMPANY, Sandusky, Ohio, and Lansing, Mich. Filed Apr. 13, 1944. Serial No. 469,305.

MODEL-MIX

FOR MINERAL AND VITAMIN COMPOUND FOR USE AS A SUPPLEMENT IN STOCK FEEDS.
Claims use since Feb. 23, 1944.

415,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHICAGO HYDRAULIC OIL CO., Chicago, Ill. Filed Apr. 21, 1944. Serial No. 469,532.

BRAKRITE

FOR HYDRAULIC BRAKE FLUID.
Claims use since June 6, 1931.

415,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Filed May 9, 1944. Serial No. 470,067.

GOLDENGRITS

FOR TOASTED SOY GRITS.
Claims use since Apr. 6, 1944.

415,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COUNTESS MARA INCORPORATED, New York, N. Y. Filed May 26, 1944. Serial No. 470,655.

Countess Mara
STEEL

FOR EAU DE COLOGNE.
Claims use since May 22, 1944.

415,463. (CLASS 37. PAPER AND STATIONERY.) GENERAL MILLS, INC., Minneapolis, Minn. Filed June 2, 1944. Serial No. 470,852.

Herd✓Check

FOR BLANK RECORD BOOKS.
Claims use since May 1, 1944.

415,464. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RED FOX GINGER ALE CO., Providence, R. I. Filed June 7, 1944. Serial No. 470,998.

"It's Dextronated"

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS, AND EXTRACTS FOR MAKING SAME.
Claims use since Mar. 1, 1944.

415,465. (CLASS 2. RECEPTACLES.) CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed June 15, 1944. Serial No. 471,247.

STA—UP

FOR FOLDING CARTONS.
Claims use since about May 15, 1944.

415,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT MIERS, doing business as Romier Products Co., New York, N. Y. Filed June 26, 1944. Serial No. 471,674.

SAFETY-WAY
RAT DIET

FOR POISONOUS RAT AND MICE FOOD.
Claims use since June 10, 1944.

415,467. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROBERT A. CLAFLIN, Industry, Maine. Filed July 13, 1944. Serial No. 472,181.

Protect-o-Guard

FOR FINGER GUARDS COMPRISING A U-SHAPED SPLINT-LIKE MEMBER ADAPTED TO BE INSERTED OVER AN INJURED FINGER.
Claims use since Mar. 8, 1944.

415,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. BONE, doing business as Crown Products Co., Douglas, Ga. Filed Oct. 12, 1944. Serial No. 475,241.

SURESTOP

FOR HYDRAULIC BRAKE FLUID.
Claims use since Oct. 30, 1937.

415,469. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CHEMICAL CORPORATION, Springfield, Mass. Filed Oct. 19, 1944. Serial No. 475,482.

KEMSUDS

FOR POWDERED HAND SOAP.
Claims use since Apr. 17, 1944.

415,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORTON MANUFACTURING CORPORATION, doing business as Blair of Virginia, Lynchburg, Va. Filed Dec. 4, 1944. Serial No. 477,208.

BLAIR'S
New Idea

FOR INSECTICIDES.
Claims use since June 5, 1944.

415,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUTOMATIC EQUIPMENT MANUFACTURING CO., Pender, Nebr. Filed Dec. 20, 1944. Serial No. 477,757.

Automatic

FOR MEDICATED DIP OIL FOR COMBATTING BACTERIA-DESTROYING SKIN PARASITES, FREEING HOGS, CATTLE, AND HORSES OF VERMIN, AND HAVING HEALING, DISINFECTING, AND DEODORIZING PROPERTIES.
Claims use since 1928.

415,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED A. HILL, Redlands, Calif. Filed Dec. 27, 1944. Serial No. 477,976.



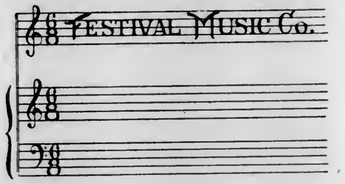
Applicant is the owner of Reg. No. 376,400.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1939.

415,473. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Jan. 15, 1945. Serial No. 478,628.

SOURCES OF SUPPLY
FOR MANUFACTURERS OF
LUGGAGE & LEATHER GOODS

FOR ANNUAL DIRECTORIES RELATING TO LUGGAGE AND LEATHER GOODS.
Claims use since Apr. 11, 1944.

415,474. (CLASS 38. PRINTS AND PUBLICATIONS.) LESTER L. SARGENT, doing business as Festival Music COMPANY, Washington, D. C. Filed Feb. 13, 1945. Serial No. 479,754.



FOR SHEET MUSIC.
Claims use since April 1936.

415,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IDA MAE RIGGS, Paris, Ky. Filed Feb. 26, 1945. Serial No. 480,251.

RIGGS

FOR CERTAIN MEDICINAL PREPARATIONS ADAPTED FOR HUMAN AND ANIMAL USE—NAMELY, SALVE FOR TREATMENT OF ECZEMA, ATHLETE'S FOOT, AND PILES; POWDER FOR TREATMENT OF FISTULA AND POLAMA IN HORSES AND FOR UDDER CONDITIONS OF COWS; AND OIL PREPARATION FOR TREATMENT OF ECZEMA AND SORES FOR HUMANS OR ANIMALS.
Claims use since May 1, 1942.

415,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KAY DAUMIT, Chicago, Ill. Filed Mar. 8, 1945. Serial No. 480,651.

Lustre-Creme

FOR LIQUID SHAMPOO PREPARATIONS.
Claims use since Feb. 29, 1944.

415,477. (CLASS 39. CLOTHING.) NU-FASHION UNDERWEAR CORP., New York, N. Y. Filed Mar. 8, 1945. Serial No. 480,673.

NU-FASHION

NFUC

FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND BED JACKETS.
Claims use since Apr. 15, 1942.

415,478. (CLASS 2. RECEPTACLES.) BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 19, 1945. Serial No. 481,054.

BUTLER BUILT

FOR OIL STORAGE TANKS, STOCK WATER STORAGE TANKS, AND GRAIN BINS.
Claims use since Nov. 30, 1942.

415,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BENET DRUG CORPORATION, Cincinnati, Ohio. Filed Mar. 31, 1945. Serial No. 481,569.

DELP

FOR PREPARATION APPLIED TO THE SKIN AND THE SCALP FOR TREATING INFECTIONS AND IRRITATIONS AND USED AS AN EMOLLIENT AND SCALP TONIC.
Claims use since Jan. 1, 1940.

415,480. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GRAND BROKERAGE COMPANY, St. Louis, Mo. Filed Apr. 2, 1945. Serial No. 481,627.

U-MIX

FOR BEVERAGE SYRUP FOR USE IN MAKING SOFT DRINKS.
Claims use since Mar. 8, 1944.

415,481. (CLASS 25. LOCKS AND SAFES.) THE WHITLOCK SUPPLY CO., New York, N. Y. Filed Apr. 4, 1945. Serial No. 481,727.

WEE WILLIE WHITLOCK

FOR KEY BLANKS, KEYS.
Claims use since January 1935.

415,482. (CLASS 25. LOCKS AND SAFES.) THE WHITLOCK SUPPLY CO., New York, N. Y. Filed Apr. 4, 1945. Serial No. 481,728.

WHITLOCK

FOR KEY BLANKS, KEYS.
Claims use since January 1935.

415,483. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945. Serial No. 482,152.

TRIPOLI WEAVE

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since Jan. 1, 1929.

415,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWEDEN HOUSE BAKERS, INC., Chicago, Ill. Filed Apr. 23, 1945. Serial No. 482,511.

Sweden House

FOR COOKIES.
Claims use since March 1942.

415,485. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNSON BELTING COMPANY, INC., New York, N. Y. Filed May 8, 1945. Serial No. 483,113.

GIBRALTAR

FOR LEATHER BELTING.
Claims use since May 1, 1940.

415,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORONA FOOTHILL LEMON COMPANY, Corona, Calif. Filed May 16, 1945. Serial No. 483,423.

MADURO

FOR FRESH CITRUS FRUITS.
Claims use since 1905.

415,487. BRAKE CONTROL DEVICES FOR AUTOMATICALLY ARRESTING WHEEL SLIDE. BUDD WHEEL COMPANY, Philadelphia, Pa.
Filed November 24, 1942. Serial No. 456,998. PUBLISHED MAY 22, 1945. Class 19.

415,488. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. GERTMENIAN'S PRODUCE, also doing business as Big "G" Farms, Los Angeles, Calif.
Filed February 19, 1943. Serial No. 458,630. PUBLISHED MAY 22, 1945. Class 46.

415,489. CANDIES. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y., assignor to Mason, Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y., a corporation of New York
Filed April 23, 1943. Serial No. 460,119. PUBLISHED MAY 22, 1945. Class 46.

415,490. APPARATUS FOR PRODUCING HIGH FREQUENCY ELECTRIC CURRENTS AND HIGH FREQUENCY ELECTRIC AND MAGNETIC FIELDS AND APPARATUS FOR UTILIZING SUCH CURRENTS AND FIELDS IN THE HEATING OR OTHER TREATMENT OF MATERIALS NOT INCLUDING WIRES AND CABLES EXTERNAL TO SAID APPARATUS. THE GIRDLER CORPORATION, Louisville, Ky.
Filed August 10, 1943. Serial No. 462,643. PUBLISHED OCTOBER 17, 1944. Class 21.

415,491. LADIES' AND MEN'S WATCHES. WEISSMAN WATCH CO., New York, N. Y.
Filed January 12, 1944. Serial No. 466,519. PUBLISHED MAY 22, 1945. Class 27.

415,492. LAWN MOWERS. GREAT STATES CORPORATION, Shelbyville, Ind.
Filed February 16, 1944. Serial No. 467,452. PUBLISHED MAY 22, 1945. Class 23.

415,493. BLANKETS FOR LITHOGRAPHIC PRINTING PRESSES. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 28, 1944. Serial No. 467,805. PUBLISHED MAY 22, 1945. Class 50.

415,494. RADIO SCRIPT FOR A SERIES OF COMMERCIAL RADIO BROADCASTS. BLACKETT-SAMPLE-HUMMERT, Chicago, Ill.
Filed March 27, 1944. Serial No. 468,692. PUBLISHED MAY 22, 1945. Class 38.

415,495. NEWSPAPER COLUMN. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed April 11, 1944. Serial No. 469,223. PUBLISHED MAY 22, 1945. Class 38.

415,496. ELECTRONIC HIGH-FREQUENCY HEAT GENERATORS. AERO-CRAFTS CORPORATION, Los Angeles, Calif.
Filed June 13, 1944. Serial No. 471,176. PUBLISHED MAY 22, 1945. Class 21.

415,497. HARDWARE—NAMELY, METAL HINGES, METAL WALL BRACKETS, AND METAL COOKING HOLLOW WARE. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed June 24, 1944. Serial No. 471,617. PUBLISHED MAY 22, 1945. Class 13.

415,498. PIE AND PASTRY CRUST MIX. PI-DO CORPORATION, Dallas, Tex.
Filed July 10, 1944. Serial No. 472,079. PUBLISHED MAY 22, 1945. Class 46.

415,499. SYNTHETIC RESINS. VITA-VAR CORPORATION, Newark, N. J.
Filed July 10, 1944. Serial No. 472,090. PUBLISHED MAY 22, 1945. Class 1.

415,500. TITLE FOR A COLUMN RELATING TO SHOPPING ADVICE IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed July 12, 1944. Serial No. 472,163. PUBLISHED MAY 15, 1945. Class 38.

415,501. PUBLICATION ISSUED PERIODICALLY. NEW WRINKLE, INC., Wilmington, Del., and Dayton, Ohio.
Filed July 15, 1944, Serial No. 472,289. PUBLISHED MAY 1, 1945. Class 38.

415,502. WINES. ALPINE WINERY, also doing business as Alpine Vineyards, Healdsburg, Calif.
Filed August 11, 1944, Serial No. 473,170. PUBLISHED NOVEMBER 7, 1944. Class 47.

415,503. SAW GRINDERS, POWER CHAIN SAWS, SAW SETTERS, AND PORTABLE POWER-DRIVEN WOOD SAWS AND POWER DRILLS. JOCKEY GRINDER LIMITED, Toronto, Ontario, Canada.
Filed August 17, 1944. Serial No. 473,382. PUBLISHED MAY 22, 1945. Class 23.

415,504. CONDUIT SUPPORTING BLOCKS AND CONDUIT SUPPORTING CLIPS, ESPECIALLY DESIGNED FOR USE IN THE CONSTRUCTION OF AIRCRAFT. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed August 31, 1944. Serial No. 473,759. PUBLISHED MAY 22, 1945. Class 13.

415,505. METAL CUTTING MACHINE TOOLS—NAMELY, SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, REAMERS, AND PARTLY FINISHED SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, AND REAMERS. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn.
Filed September 1, 1944. Serial No. 473,811. PUBLISHED MAY 22, 1945. Class 23.

415,506. BOWLING BALL BAGS. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed September 1, 1944. Serial No. 473,818. PUBLISHED MAY 22, 1945. Class 22.

415,507. RIPE DATES. STERLING FOOD PRODUCTS, Los Angeles, Calif.
Filed September 2, 1944. Serial No. 473,871. PUBLISHED MAY 22, 1945. Class 46.

415,508. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. EARL KILLION, North Hollywood, Calif.
Filed September 16, 1944. Serial No. 474,287. PUBLISHED MAY 15, 1945. Class 45.

415,509. LADIES' COATS, SUITS, SKIRTS, DRESSES, JACKETS, BLOUSES, SWEATERS, SLACK SUITS, SHORTS, SLACKS, HALTERS, BEACH COATS, BATHING SUITS, CULOTTES, PINAFORES, JUMPERS, AND RIDING HABITS. MCGREEVEY, WERRING & HOWELL CO., New York, N. Y.
Filed September 22, 1944. Serial No. 474,498. PUBLISHED MAY 22, 1945. Class 39.

415,510. GIN. ROYAL LIQUORS COMPANY, North Bergen, N. J.
Filed September 23, 1944. Serial No. 474,553. PUBLISHED MAY 1, 1945. Class 49.

415,511. PERIODICAL PUBLICATION. CLIFTON W. BRANNON, doing business as Whosoever Heareth, Toccoa, Ga.
Filed October 23, 1944. Serial No. 475,602. PUBLISHED MAY 1, 1945. Class 38.

415,512. HYPODERMIC SYRINGES. GLASS INDUSTRIES, INC., Cincinnati, Ohio.
Filed October 23, 1944. Serial No. 475,614. PUBLISHED MAY 22, 1945. Class 44.

415,513. WOMEN'S HOSIERY AND LINGERIE—NAMELY, GOWNS, SLIPS, PANTIES AND BRASSIÈRES MADE OF TEXTILE AND KNITTED FABRICS, CONSISTING OF COTTON, SILK, RAYON, AND MIXTURES THEREOF. CRESCENT HOSIERY Co., New York, N. Y.
Filed October 24, 1944. Serial No. 475,647. PUBLISHED MAY 15, 1945. Class 39.

415,514. BREWERY MACHINERY AND APPARATUS—NAMELY, GAS COMPRESSORS, APPARATUS FOR CHARGING BEER WITH CARBON DIOXIDE, APPARATUS FOR STRAINING LIQUIDS FROM HOPS OR OTHER SOLIDS, BEER COOLERS OR HEAT EXCHANGERS, AND PUMPS. THE WITTEMANN COMPANY, INC., Buffalo, N. Y.
Filed October 27, 1944. Serial No. 475,787. PUBLISHED MAY 22, 1945. Class 23.

415,515. RADIO RECEIVING SETS, RADIO TRANSMITTERS, ELECTRIC PHONOGRAPHS, TELEVISION RECEIVERS, RADIO INTERCOMMUNICATION SYSTEMS, FREQUENCY MODULATED RECEIVERS, AND RADIO SIGNALLING DEVICES. SIGNAL ELECTRONIC & MFG. CO., New York, N. Y.
Filed October 28, 1944. Serial No. 475,817. PUBLISHED MAY 22, 1945. Class 21.

415,516. BEER AND ALE. HORLACHER BREWING COMPANY, Allentown, Pa.
Filed November 25, 1944. Serial No. 476,866. PUBLISHED MAY 15, 1945. Class 48.

415,517. WEATHERPROOF COATS FOR MEN AND WOMEN. W. O. PEAKE, LIMITED, St. Albans and London, England.
Filed November 30, 1944. Serial No. 477,078. PUBLISHED MAY 22, 1945. Class 39.

415,518. RETRACTABLE EXTENSION CORDS. CORDAGE, INCORPORATED, Chicago, Ill.
Filed December 2, 1944. Serial No. 477,148. PUBLISHED MAY 22, 1945. Class 21.

415,519. RETRACTABLE EXTENSION CORDS. CORDAGE, INCORPORATED, Chicago, Ill.
Filed December 2, 1944. Serial No. 477,149. PUBLISHED MAY 22, 1945. Class 21.

415,520. COMBINATION AIR SCOOPS AND FILTERS FOR USE ON AIRCRAFT ENGINES. HEATH COMPANY, Benton Harbor, Mich.
Filed December 4, 1944. Serial No. 477,194. PUBLISHED MAY 22, 1945. Class 23.

415,521. MONTHLY NEWSPAPER IN THE NATURE OF A HOUSE ORGAN. JULIUS KAYSER & Co., New York, N. Y.
Filed December 13, 1944. Serial No. 477,515. PUBLISHED MAY 8, 1945. Class 38.

415,522. WOMEN'S AND MISSES' COATS. SEBASTIAN S. KRESGE, doing business as Kresge Department Store Newark, Newark, N. J.
Filed December 20, 1944. Serial No. 477,768. PUBLISHED MAY 22, 1945. Class 39.

415,523. TOY HOLSTERS. R. & S. MFG. Co., Brooklyn, N. Y.
Filed December 26, 1944. Serial No. 477,953. PUBLISHED MAY 22, 1945. Class 22.

415,524. JEWELERS' TOOLS AND JEWELERS' DIES. FREDERICK M. MORIARTY, Providence, R. I.
Filed December 28, 1944. Serial No. 478,012. PUBLISHED MAY 22, 1945. Class 23.

415,525. ELECTRODES FOR USE AS IMMERSED ANODES IN ELECTROLYTIC AND LIKE PROCESSES. THE JOHNSTON & JENNINGS COMPANY, Cleveland, Ohio.
Filed December 29, 1944. Serial No. 478,052. PUBLISHED MAY 22, 1945. Class 21.

415,526. HAND MONOCULAR VIEWERS FOR FILMS OR SLIDES. THE KIMAC COMPANY, Old Greenwich, Conn.
Filed January 5, 1945. Serial No. 478,281. PUBLISHED MAY 15, 1945. Class 26.

415,527. PRESSURE FLOOD CONTROL VALVES. C. B. HUNT & SON, Salem, Ohio.
Filed January 8, 1945. Serial No. 478,389. PUBLISHED MAY 22, 1945. Class 13.

415,528. VENETIAN BLIND HARDWARE AND FITTINGS. VENASCO, INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,526. PUBLISHED MAY 22, 1945. Class 13.

415,529. FRESH DECIDUOUS FRUITS—NAMELY, APPLES. NUTTER BROS., Sanford, Maine.
Filed January 13, 1945. Serial No. 478,591. PUBLISHED MAY 15, 1945. Class 46.

415,530. SERIES OF PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENTS. RICHARD HUDNUT, New York, N. Y.
Filed October 4, 1944. Serial No. 478,605. PUBLISHED MAY 1, 1945. Class 38.

415,531. SOCIAL STATIONERY—NAMELY, WRITING PAPER, ENVELOPES AND CORRESPONDENCE CARDS. GELNETT MEARS ENTERPRISES, Philadelphia, Pa.
Filed January 15, 1945. Serial No. 478,615. PUBLISHED MAY 22, 1945. Class 37.

415,532. SCOTCH WHISKY. JOHN BISSET & CO. LIMITED, Leith, Edinburgh, Scotland.
Filed January 16, 1945. Serial No. 478,678. PUBLISHED MAY 22, 1945. Class 49.

415,533. GARMENT DISPLAY EQUIPMENT—NAMELY, MANNEQUINS AND WIGS. THE DISPLAY EQUIPMENT CORP., New York, N. Y.
Filed January 17, 1945. Serial No. 478,704. PUBLISHED MAY 22, 1945. Class 50.

415,534. CHARMS, BRACELETS, RINGS, EARRINGS, PINS AND WATCH FOBS NOT INCLUDING WATCHES. AURELIA BACHMAN, New York, N. Y.
Filed January 22, 1945. Serial No. 478,848. PUBLISHED MAY 22, 1945. Class 28.

415,535. LADIES' AND MISSES' DRESSES. COHEN BROS. DRESSES, Boston, Mass.
Filed January 23, 1945. Serial No. 478,921. PUBLISHED MAY 15, 1945. Class 39.

415,536. BOOKS PUBLISHED FROM TIME TO TIME. IDEALS PUBLISHING COMPANY, Milwaukee, Wis.
Filed January 24, 1945. Serial No. 478,960. PUBLISHED MAY 15, 1945. Class 38.

415,537. HOUSEHOLD SCISSORS, SEWING SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, TWEEZERS FOR ALL PURPOSES EXCEPT MANICURE, DENTAL, AND SURGICAL USE. REX CUTLERY CORPORATION, Irvington, N. J.
Filed January 24, 1945. Serial No. 478,974. PUBLISHED MAY 22, 1945. Class 23.

415,538. WINES. HOUSE OF WINES, Washington, D. C.
Filed January 25, 1945. Serial No. 478,997. PUBLISHED MAY 22, 1945. Class 47.

415,539. WHISKEY AND GIN. HOUSE OF WINES, Washington, D. C.
Filed January 25, 1945. Serial No. 478,998. PUBLISHED MAY 22, 1945. Class 49.

415,540. SOY BEAN MEAL USED AS A FEED FOR LIVE STOCK AND POULTRY. MUSCATINE PROCESSING CORPORATION, Muscatine, Iowa.
Filed January 29, 1945. Serial No. 479,135. PUBLISHED MAY 22, 1945. Class 46.

415,541. LIVING ROOM FURNITURE—NAMELY, SOFAS, CHAIRS, TABLES, DESKS, AND BOOKCASES; BEDROOM FURNITURE—NAMELY, DRESSERS, BEDS, CHESTS OF DRAWERS, AND NIGHT TABLES; AND DINING ROOM FURNITURE—NAMELY, DINING ROOM TABLES, CHAIRS, BUFFETS, AND CHINA CABINETS. SIGAL AND BERG, Chicago, Ill.
Filed January 29, 1945. Serial No. 479,151. PUBLISHED MAY 22, 1945. Class 32.

415,542. METAL FIGURINES. M. C. WENTZ CO., Los Angeles, Calif.
Filed January 30, 1945. Serial No. 479,218. PUBLISHED MAY 22, 1945. Class 50.

415,543. MEMORIALS—NAMELY, MEMORIALS OF STONE FOR THE MARKING OF CEMETERY GRAVES AND CEMETERY LOTS AND FOR PARK MEMORIALS, WAR MEMORIALS, AND MAUSOLEUMS. PETER WIRTH, doing business as Wirth Granite Works, St. Cloud, Minn.
Filed February 2, 1945. Serial No. 479,369. PUBLISHED MAY 22, 1945. Class 50.

415,544. GIRLS', MISSES', AND WOMEN'S DRESSES, SUITS AND COATS. COHEN & GOSHIN, New York, N. Y.
Filed February 3, 1945. Serial No. 479,376. PUBLISHED MAY 22, 1945. Class 39.

415,545. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed February 3, 1945. Serial No. 479,377. PUBLISHED MAY 22, 1945. Class 37.

415,546. LUBRICANTS FOR MOULDS. G. M. MANUFACTURING Co., New York, N. Y.
Filed February 3, 1945. Serial No. 479,386. PUBLISHED MAY 8, 1945. Class 15.

415,547. WHISKEY. THE H. E. POGUE DISTILLERY COMPANY, INC., Maysville, Ky.
Filed February 9, 1945. Serial No. 479,644. PUBLISHED MAY 8, 1945. Class 49.

415,548. HOSIERY. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa.
Filed February 10, 1945. Serial No. 479,697. PUBLISHED MAY 15, 1945. Class 39.

415,549. INFANTS' AND CHILDREN'S KNITTED GARMENTS—NAMELY, DIAPERS, VESTS, SHIRTS, ABDOMINAL BANDS, SLEEPING GARMENTS, KIMONOS, CREEPERS, TRUNKS, PLAY SUITS, GERTRUDES, UNION SUITS, TRAINING PANTIES, BIBS, HOSIERY AND SOCKS. EARNSHAW KNITTING COMPANY, Newton, Mass., now by change of name to The Vanta Company.
Filed February 14, 1945. Serial No. 479,782. PUBLISHED MAY 15, 1945. Class 39.

415,550. MISSES', JUNIOR MISSES', GIRLS', AND CHILDREN'S COATS, SUITS, LEGGINGS, AND LEGGING SETS, AND JACKETS. DAN SNYDER & Co., New York, N. Y.
Filed February 14, 1945. Serial No. 479,815. PUBLISHED MAY 15, 1945. Class 39.

415,551. LADIES', AND MISSES', COATS, SUITS, JACKETS, SKIRTS, WRAPS, AND RAINCOATS. M. & S. SOLOMON, New York, N. Y.
Filed February 14, 1945. Serial No. 479,819. PUBLISHED MAY 15, 1945. Class 39.

415,552. NON-ALCOHOLIC CARBONATED BEVERAGES. SOL LENZNER CORPORATION, Buffalo, N. Y.
Filed February 15, 1945. Serial No. 479,851. PUBLISHED MAY 15, 1945. Class 45.

415,553. HANDKERCHIEFS. QUAKER HANDKERCHIEF Co., New York, N. Y.
Filed February 16, 1945. Serial No. 479,900. PUBLISHED MAY 15, 1945. Class 39.

415,554. ARCH SUPPORTS. EUGENE B. WARD, Springfield, Mass.
Filed February 17, 1945. Serial No. 479,959. PUBLISHED MAY 22, 1945. Class 44.

415,555. WATCHES AND MOVEMENTS THEREFOR. ABRAHAM BLUMSTEIN, New York, N. Y.
Filed February 21, 1945. Serial No. 480,043. PUBLISHED MAY 22, 1945. Class 27.

415,556. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed February 21, 1945. Serial No. 480,064. PUBLISHED MAY 8, 1945. Class 38.

415,557. WEEKLY COLUMN OF A REGULARLY ISSUED DAILY NEWSPAPER. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Filed February 22, 1945. Serial No. 480,120. PUBLISHED MAY 8, 1945. Class 38.

415,558. CIGARS. ROBERT J. MCBRIDE, doing business as Midway Cigar Company, Kearney, Nebr.
Filed February 26, 1945. Serial No. 480,250. PUBLISHED MAY 22, 1945. Class 17.

415,559. MATERNITY DRESSES. THE F. & R. LAZARUS & COMPANY, Columbus, Ohio.
Filed February 28, 1945. Serial No. 480,337. PUBLISHED MAY 15, 1945. Class 39.

415,560. DIAL INDICATOR GAUGES, PLUG GAUGES, PLUG THREAD GAUGES, RING GAUGES, RING THREAD GAUGES, AND FLUSH PIN GAUGES. PREMIER PRECISION MANUFACTURING CORP., New York, N. Y.
Filed February 28, 1945. Serial No. 480,347. PUBLISHED MAY 15, 1945. Class 26.

415,561. PERIODICAL PUBLICATIONS. WILLIAM SCHULHOF, doing business as Office Publications Company, New York, N. Y.
Filed February 28, 1945. Serial No. 480,353. PUBLISHED MAY 8, 1945. Class 38.

415,562. BOYS' CLOTHING—NAMELY, SUITS, INCLUDING COATS, VESTS AND TROUSERS, TOPCOATS, OVERCOATS, SPORT JACKETS, MACKINAWS, SLACKS. THE HECHT COMPANY, Washington, D. C., also doing business as The Hub, Baltimore, Md.
Filed March 1, 1945. Serial No. 480,373. PUBLISHED MAY 22, 1945. Class 39.

415,563. LADIES', MISSES' AND CHILDREN'S HANDBAGS AND PURSES, OF LEATHER, IMITATION LEATHER, FABRIC, PLASTIC AND COMBINATIONS THEREOF. PAULETTE ORIGINALS, INC., New York, N. Y.
Filed March 8, 1945. Serial No. 480,674. PUBLISHED MAY 22, 1945. Class 3.

415,564. BOARD GAME. WILLIAM GRANT WILLIAMS, Anaheim, Calif.
Filed March 13, 1945. Serial No. 480,884. PUBLISHED MAY 22, 1945. Class 22.

415,565. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH INTEGRATES MATERIALS HANDLING EQUIPMENT INTO THE FLOW OF PRODUCTION. THE INDUSTRIAL PUBLISHING COMPANY, Cleveland, Ohio.
Filed March 15, 1945. Serial No. 480,952. PUBLISHED MAY 22, 1945. Class 38.

415,566. CANDY. GOLD MEDAL CANDY COMPANY, Brooklyn, N. Y.
Filed March 19, 1945. Serial No. 481,064. PUBLISHED MAY 22, 1945. Class 46.

415,567. PHONOGRAPH NEEDLES. INTERNATIONAL MERIT PRODUCTS CORPORATION, New York, N. Y. Filed March 20, 1945. Serial No. 481,110. PUBLISHED MAY 22, 1945. Class 36.

415,568. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed March 20, 1945. Serial No. 481,125. PUBLISHED MAY 22, 1945. Class 36.

415,569. CANNED VEGETABLES. STEELE CANNING COMPANY, Springdale, Ark. Filed March 21, 1945. Serial No. 481,166. PUBLISHED MAY 22, 1945. Class 46.

415,570. PHOTOGRAPHIC LENSES AND LENS ASSEMBLIES. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed March 28, 1945. Serial No. 481,398. PUBLISHED MAY 22, 1945. Class 26.

415,571. MERCHANDISE ENVELOPES FORMED OF METAL FOIL, CELLOPHANE, PLIOFILM OR THE LIKE, WITH OR WITHOUT PAPER COVERS. IVERS-LEE COMPANY, Newark, N. J. Filed March 30, 1945. Serial No. 481,544. PUBLISHED MAY 22, 1945. Class 2.

415,572. HANDBAGS, WALLETS, PORTFOLIOS, BRIEF CASES AND TRAVELLING CASES. JANE ALEXANDER, Valley Stream, N. Y. Filed April 4, 1945. Serial No. 481,684. PUBLISHED MAY 22, 1945. Class 3.

415,573. DOLLS, DOLLS' CLOTHES, BOARD GAMES PLAYED WITH OR WITHOUT PEGS, TOY BUILDING SETS, BASKET BALLS, FOOTBALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACQUETS, BADMINTON SETS, GOLF CLUBS, AND FISHING LINES. JANE ALEXANDER, Valley Stream, N. Y. Filed April 4, 1945. Serial No. 481,685. PUBLISHED MAY 22, 1945. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,574. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TELEFONAKTIEBOLAGET L. M. ERICSSON, Stockholm, Sweden. Filed Feb. 15, 1943. Serial No. 458,553.

Ericsson LM

FOR ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS; INSTRUMENT BOARDS, SWITCHBOARDS, AND SWITCH CASES AND PARTS OF SAME; ELECTRIC DISCHARGE TUBES; ELECTRIC CABLES; TERMINAL BOXES, DISTRIBUTION CABINETS AND OTHER LINE-MATERIAL FOR ELECTRIC CABLES AND TELEPHONE AND TELEGRAPH LINES; TELEPHONES AND TELEGRAPHIC APPARATUS AND PARTS OF SAME; TELEPHONE EXCHANGES AND PARTS OF SAME; ALARM BOARDS, CONTACTS, POSTS, RELAYS AND FUSES FOR ELECTRIC POLICE-, BURGLAR- AND FIRE ALARM INSTALLATIONS; AND WATCHMAN'S CONTROL INSTALLATIONS AND PARTS OF SAME; ELECTRICAL INTERLOCKING FRAMES AND ELECTRIC POINT DRIVING MACHINES FOR RAILWAY SIGNALLING PLANTS; RADIO TRANSMITTERS, RADIO RECEIVERS AND PARTS OF SAME; LOADING COILS; AMPLIFIERS, AUDIO FREQUENCY OSCILLATORS AND PARTS OF SAME; RELAYS FOR RECEPTION AND TRANSMISSION OF SIGNALS TRANSMITTED BY MEANS OF CARRIER FREQUENCY; TELEVISION TRANSMITTERS, TELEVISION RECEIVERS AND PARTS OF SAME; ELECTRO-OPTICAL AND ELECTROMAGNETIC TALK-MACHINES; LOUD-SPEAKERS; ELECTRIC STOCK EXCHANGE INDICATORS; ELECTRICAL FENCES.
Claims use since Jan. 1, 1942.

415,575. (CLASS 10. FERTILIZERS.) GLENN W. VANSYOC, doing business as The Hillmann Co., Detroit, Mich. Filed Mar. 20, 1944. Serial No. 468,483.

AQUA VITA

FOR CHEMICAL FERTILIZER.
Claims use since Apr. 12, 1943.

415,576. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) QUALITY SCREW MACHINE PRODUCTS, Chicago, Ill. Filed Jan. 20, 1944. Serial No. 466,744.

Quality

FOR ROLLER PINS, SHOULDER PINS, SET SCREWS, RIVETS, BUSHINGS, AND INSERTS.
Claims use since April 1938.

415,577. (CLASS 39. CLOTHING.) EMPORIUM WORLD MILLINERY CO., Chicago, Ill. Filed Apr. 13, 1944. Serial No. 469,299.

BONNIE BENTON

FOR WOMEN'S HATS.
Claims use since May 1941.

415,578. (CLASS 39. CLOTHING.) EMPORIUM WORLD MILLINERY CO., Chicago, Ill. Filed Apr. 13, 1944. Serial No. 469,300.

Clara Conway

FOR WOMEN'S HATS.
Claims use since May 1941.

415,579. (CLASS 39. CLOTHING.) EMPORIUM WORLD MILLINERY COMPANY, Chicago, Ill. Filed Apr. 22, 1944. Serial No. 469,560.

Betty Blake

FOR WOMEN'S HATS.
Claims use since Apr. 13, 1938.

415,580. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE DIVERSEY CORPORATION, Chicago, Ill. Filed Apr. 28, 1944. Serial No. 469,749.

DIVERSEY
D·C·NO. 12

FOR CLEANER IN POWDERED FORM FOR USE IN CLEANING METAL SURFACES BEFORE THEY ARE COATED OR TREATED.
Claims use since Oct. 9, 1942.

415,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS NAPOLITAN, doing business as M. Louis, New York. Filed May 6, 1944. Serial No. 470,000.

M. Louis

FOR PERMANENT WAVE LOTION, HAIR END CREAM, HAIR LACQUER, SHAMPOO AND COLD WAVE LOTION.
Claims use since June 1939.

415,582. (CLASS 32. FURNITURE AND UPHOLSTERY.) CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 31, 1944. Serial No. 470,811.

PLASTICAST

FOR HOUSEHOLD FURNITURE, MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING TABLES AND DINING ROOM CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 16, 1944.

415,583. (CLASS 32. FURNITURE AND UPHOLSTERY.) CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 31, 1944. Serial No. 470,812.

PLASTIC-WOOD

FOR HOUSEHOLD FURNITURE—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING ROOM TABLES AND CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 16, 1944.

415,584. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DOVER HALL CO., INC., New York, N. Y. Filed June 1, 1944. Serial No. 470,831.

LIP-TITE

FOR TOBACCO POUCHES.
Claims use since May 27, 1944.

415,585. (CLASS 39. CLOTHING.) KIRSCH-BLACHER COMPANY, INC., New York, N. Y. Filed June 1, 1944. Serial No. 470,835.

Grafton's

FOR SHOES MADE OF LEATHER, FABRIC OR RUBBER OR COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 1, 1943.

415,586. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SPRAGUE ELECTRIC COMPANY, North Adams, Mass. Filed June 3, 1944. Serial No. 470,896.

HYPASS

FOR ELECTRICAL CONDENSERS.
Claims use since Mar. 21, 1944.

415,587. (CLASS 39. CLOTHING.) DIXIE MANUFACTURING CO., Greenville, Tex. Filed June 24, 1944. Serial No. 471,593.

Henson

FOR WOMEN'S, MEN'S, AND CHILDREN'S UNDERWEAR, LOUNGING ROBES, BATHROBES AND PAJAMAS; WOMEN'S HOUSECOATS AND NEGLIGEES; CHILDREN'S PLAYSUITS; AND HANDKERCHIEFS.
Claims use since Jan. 15, 1944.

415,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OIL & CHEMICAL PRODUCTS, INC., New York, N. Y. Filed July 10, 1944. Serial No. 472,078.

CLARIDGE

FOR HAIR CREAM, DENTAL CREAM, AND TALCUM POWDER.
Claims use since June 5, 1944.

415,589. (CLASS 39. CLOTHING.) THE NU-LIFT COMPANY, INC., Hollywood, Calif. Filed Aug. 2, 1944. Serial No. 472,881.

"Nu-Lift"

FOR MATERNITY GIRDLES, MATERNITY BELTS, AND MATERNITY CORSETS.
Claims use since June 1, 1944.

415,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED A. FLASTER, New York, N. Y. Filed Aug. 24, 1944. Serial No. 473,564.

MARCEE

FOR PERFUME, COLOGNES, TOILET WATERS, AND MANICURE PREPARATIONS.
Claims use since May 1, 1943.

415,591. (CLASS 39. CLOTHING.) GIBBS GAS ENGINE COMPANY OF FLORIDA, Jacksonville, Fla. Filed Sept. 18, 1944. Serial No. 474,331.

Locarno OF FLORIDA

FOR MEN'S, WOMEN'S, JUVENILE BOYS' AND GIRLS' CLOTHING CONSISTING OF SLACK SUITS, SWIM SUITS, SHORTS, SUN SUITS, PLAY SUITS, JACKETS, TROUSERS, BIB OVERALLS, JODHPURS, AND SPORT COATS.
Claims use since Jan. 1, 1944.

415,592. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) SUMCO PRODUCTS, INC., New York, N. Y. Filed Oct. 7, 1944. Serial No. 475,080.

AQUAKLEEN

FOR WATER SCALE REMOVING PREPARATION.
Claims use since May 1944.

415,593. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOUTHERN SAW WORKS, INC., Atlanta, Ga. Filed Oct. 23, 1944. Serial No. 475,634.

PULPWOOD SUPERFINE

FOR SAWS.
Claims use since May 8, 1944.

415,594. (CLASS 39. CLOTHING.) JULIUS HIRSCH, New York, N. Y. Filed Dec. 11, 1944. Serial No. 477,416.

CONTROLLED MANUFACTURED and by HIRSCH THE HATTER
HURLEY New York

The drawing is lined for red, blue, and gold.
FOR MEN'S HATS.
Claims use since Nov. 1, 1936.

415,595. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ELECTRIC STEEL FOUNDRY, Portland, Oreg. Filed Dec. 26, 1944. Serial No. 477,922.

Spuncast

FOR FERROUS METAL PIPE.
Claims use since May 8, 1944.

415,596. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) RALPH J. WALKER, doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Filed Jan. 26, 1945. Serial No. 479,056.

CARBO STEROL CREAM

FOR MEDICAL CREAM FOR EXTERNAL USE IN THE TREATMENT OF SKIN DISEASES.
Claims use since June 1, 1938.

415,597. (CLASS 39. CLOTHING.) MCCRARY HOSIERY MILLS, INC., Asheboro, N. C. Filed Feb. 6, 1945. Serial No. 479,487.

SEAM REMINDER

FOR WOMEN'S HOSIERY.
Claims use since Jan. 1, 1941.

415,598. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) GLOBE INSTRUMENT COMPANY, INC., Woodside, N. Y. Filed Mar. 8, 1945. Serial No. 480,654.

KNAPP

FOR HAND AND TABLE PYROPHORIC DEVICE—NAMELY, A CIGARETTE LIGHTER.
Claims use since 1925.

415,599. (CLASS 27. HOROLOGICAL INSTRUMENTS.) POST WATCH CO., New York, N. Y. Filed Mar. 13, 1945. Serial No. 480,876.

POST

FOR HOROLOGICAL INSTRUMENTS—NAMELY WATCHES AND CLOCKS.
Claims use since June 1, 1943.

415,600. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) MCCORD CORPORATION, Detroit, Mich. Filed Mar. 14, 1945. Serial No. 480,920.

McCORD

FOR MUFFLERS AND TAIL PIPES FOR INTERNAL COMBUSTION ENGINES.
Claims use since July 9, 1937.

415,601. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ROBERT HARRIS, Brooklyn, N. Y. Filed Mar. 19, 1945. Serial No. 481,069.

"IT HOLDS"

FOR SLIDES MADE OF METAL OR PLASTICS FOR ADJUSTING GARTERS AND SHOULDER STRAPS OF SLIPS; TAPES AND WAIST BELTS FITTED WITH ADJUSTABLE SLIDES FOR HOLDING A WAIST, BLOUSE OR SLIP IN PROPER POSITION; SHOULDER STRAPS FOR UNDERGARMENTS; CLIP AND TAPE DEVICES FOR ATTACHING BRASSIÈRES TO CORSETS, BELTS OR OTHER GARMENTS; AND TAPES WITH CLIP OR HOOK DEVICES FOR SANITARY BELTS.
Claims use since Jan. 11, 1940.

415,602. (CLASS 39. CLOTHING.) JEAN FENTON, INC., New York, N. Y. Filed Mar. 21, 1945. Serial No. 481,138.

Jean Fenton

FOR LADIES' AND MISSES' BLOUSES.
Claims use since January 1944.

415,603. (CLASS 39. CLOTHING.) SIEGEL, HOCHBERG & Co., North Bergen, N. J. Filed Apr. 6, 1945. Serial No. 481,806.

Anne Average

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, JACKETS, AND SKIRTS.
Claims use since Jan. 15, 1944.

415,604. (CLASS 39. CLOTHING.) OAKES BROS., INC., Jamaica Plain, Mass. Filed Apr. 11, 1945. Serial No. 482,009.

CAPE COD SWEATERS

FOR SWEATERS.
Claims use since Dec. 31, 1923.

415,605. (CLASS 39. CLOTHING.) TRU FORM DRESS HOUSE, New York, N. Y. Filed Apr. 11, 1945. Serial No. 482,025.

Blakely FASHIONS

FOR LADIES' DRESSES.
Claims use since May 4, 1943.

415,606. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed Apr. 14, 1945. Serial No. 482,143.

HIGHGATE

FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since July 1, 1929.

415,607. (CLASS 15. OILS AND GREASES.) WALTER J. KEENAN, doing business as Keenan Oil and Fuel Company, Cincinnati, Ohio. Filed May 12, 1945. Serial No. 483,271.

KEENAN

FOR FUEL OIL.
Claims use since July 1, 1922.

415,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KENNEL FOOD SUPPLY COMPANY, Fairfield, Conn. Filed May 14, 1945. Serial No. 483,326.

FAIRFIELD

FOR DOG MEAL.
Claims use since July 18, 1943.

TRADE-MARK REGISTRATIONS RENEWED

26,882. **"ELASTIC" AND DRAWING.** STARCH. Registered July 30, 1895. J. C. HUBINGER BROS. Co., Keokuk, Iowa, and New Haven, Conn. Re-renewed July 30, 1945, to The Hubinger Co., Keokuk, Iowa, a corporation of Iowa, assignee. Class 6.

26,908. **GIANT.** POTASH OR LYE. Registered Aug. 6, 1895. A. MENDLESON & SONS, Albany, N. Y. Re-renewed Aug. 6, 1945, to B. T. Babbitt, Inc., Albany and New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

27,108. **"R. W. & S." AND DRAWING.** USEFUL AND ORNAMENTAL ARTICLES OF SOLID SILVER. Registered Oct. 1, 1895. R. WALLACE & SONS MANUFACTURING COMPANY, Wallingford, Conn., a corporation of Connecticut. Re-renewed Oct. 1, 1945. Class 28.

44,370. **GOLDEN DRIP.** COFFEE. Registered July 4, 1905. LEVERING COFFEE CO. Re-renewed July 4, 1945, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

44,372. **VESPER.** COFFEE. Registered July 4, 1905. LEVERING COFFEE CO. Re-renewed July 4, 1945, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

44,584. **"STAR" ETC. AND DRAWING.** PRESSURE GAGES AND INDICATORS. Registered July 11, 1905. STAR BRASS MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Re-renewed July 11, 1945. Class 26.

44,604. **BOSS.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered July 18, 1905. THE KEYSTONE WATCH CASE CO., Philadelphia, Pa. Re-renewed July 18, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee. Class 27.

44,605. **KEYSTONE.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered July 18, 1905. THE KEYSTONE WATCH CASE CO., Philadelphia, Pa. Re-renewed July 18, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee. Class 27.

44,607. **"CO" ON A REPRESENTATION OF A KEYSTONE.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered July 18, 1905. THE KEYSTONE WATCH CASE CO., Philadelphia, Pa. Re-renewed July 18, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee. Class 27.

44,973. **"LA FLOR DE SANCHEZ Y HAYA" AND DRAWING.** CIGARS. Registered Aug. 1, 1905. SANCHEZ & HAYA CO. Re-renewed Aug. 1, 1945, to Gradiaz, Annis & Co., Inc., Tampa, Fla., a corporation of Florida, assignee. Class 17.

45,040. **MAMMOTH.** LYE AND POTASH. Registered Aug. 1, 1905. CHAMPION CHEMICAL WORKS, Chicago, Ill. Re-renewed Aug. 1, 1945, to Champion Chemical Works, Incorporated, New York, N. Y., a corporation of New York, assignee. Class 6.

45,041. **CHAMPION.** POWDERED LYE. Registered Aug. 1, 1905. CHAMPION CHEMICAL WORKS, Chicago, Ill. Re-renewed Aug. 1, 1945, to Champion Chemical Works, Incorporated, New York, N. Y., a corporation of New York, assignee. Class 6.

45,124. **TOURIST.** COFFEE. Registered Aug. 8, 1905. LEVERING COFFEE CO. Re-renewed Aug. 8, 1945, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

45,125. **LORD CALVERT.** COFFEE. Registered Aug. 8, 1905. LEVERING COFFEE CO. Re-renewed Aug. 8, 1945, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

45,287. **"STEWART HARTSHORN" AND DRAWING.** SPRING SHADE-ROLLERS. Registered Aug. 8, 1905. STEWART HARTSHORN CO., East Newark, N. J. Re-renewed Aug. 8, 1945, to Stewart Hartshorn Company, New York, N. Y., a corporation of New Jersey. Class 32.

45,289. **HARTSHORN.** SPRING SHADE-ROLLERS AND FITTINGS. Registered Aug. 8, 1905. STEWART HARTSHORN Co., East Newark, N. J. Re-renewed Aug. 8, 1945, to Stewart Hartshorn Company, New York, N. Y., a corporation of New Jersey. Classes 13 and 32.

45,402. **REGAL.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered Aug. 15, 1905. PHILADELPHIA WATCH CASE CO. Re-renewed Aug. 15, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

45,406. **FAVORITE.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered Aug. 15, 1905. PHILADELPHIA WATCH CASE CO. Re-renewed Aug. 15, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

45,411. **REPRESENTATION OF A LYRE FORMED PARTLY BY THE LETTERS "S & S".** PIANOS. Registered Aug. 15, 1905. STEINWAY & SONS, New York, N. Y., a corporation of New York. Re-renewed Aug. 15, 1945. Class 36.

45,427. **CASCADE.** LAUNDRY SOAP. Registered Aug. 15, 1905. J. G. HAAS SOAP CO., St. Louis, Mo. Re-renewed Aug. 15, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

45,458. **COOLER.** NAILS PROVIDED WITH A NON-METALLIC COATING. Registered Aug. 22, 1905. J. C. PEARSON CO., Boston, Mass. Re-renewed Aug. 22, 1945, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey, assignee. Class 13.

45,459. **CORKER.** NAILS PROVIDED WITH A NON-METALLIC COATING. Registered Aug. 22, 1905. J. C. PEARSON CO., Boston, Mass. Re-renewed Aug. 22, 1945, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey, assignee. Class 13.

45,530. **MASCOT.** HOSIERY. Registered Aug. 22, 1905. MASCOT KNITTING MILLS. Re-renewed Aug. 22, 1945, to Sweetwater Hosiery Mills, Sweetwater, Tenn., a corporation of Tennessee, successor. Class 39.

45,543. **"WHITE ROCK" AND DRAWING.** MINERAL WATERS. Registered Aug. 22, 1905. THE WHITE ROCK MINERAL SPRING CO., Waukesha, Wis. Re-renewed Aug. 22, 1945, to White Rock Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 45.

45,635. **WELLINGTON.** PIANOS. Registered Aug. 22, 1905. THE CABLE COMPANY, Chicago, Ill. Re-renewed Aug. 22, 1945, to Schiller-Cable Piano Manufacturing Company, Bronx, N. Y., a corporation of Illinois, assignee. Class 36.

45,682. **LISTERINE.** ANTISEPTIC MEDICINAL PREPARATIONS. Registered Aug. 29, 1905. LAMBERT PHARMACAL CO., St. Louis, Mo. Re-renewed Aug. 29, 1945, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware, assignee. Class 6.

45,834. **K. W. C. CO.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered Aug. 29, 1905. THE KEYSTONE WATCH CASE CO., Philadelphia, Pa. Re-renewed Aug. 29, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee. Class 27.

45,841. **REPRESENTATION OF AN ARM AND HAMMER, ETC.** WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered Aug. 29, 1905. PHILADELPHIA WATCH CASE CO. Re-renewed Aug. 29, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

45,846. **STEINWAY & SONS.** PIANOS. Registered Aug. 29, 1905. STEINWAY & SONS, New York, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 36.

45,847. **MINIATURE.** GRAND PIANOS. Registered Aug. 29, 1905. STEINWAY & SONS, New York, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 36.

45,848. **VERTEGRAND.** UPRIGHT PIANOS. Registered Aug. 29, 1905. STEINWAY & SONS, New York, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 36.

46,050. **STEWART HARTSHORN.** SPRING SHADE-ROLLERS AND FITTINGS. Registered Sept. 5, 1905. STEWART HARTSHORN CO., East Newark, N. J. Re-renewed Sept. 5, 1945, to Stewart Hartshorn Company, New York, N. Y., a corporation of New Jersey. Classes 13 and 32.

46,134. **AMERICAN AGRICULTURIST.** PERIODICALS. Registered Sept. 5, 1905. ORANGE JUDD COMPANY, New York, N. Y. Re-renewed Sept. 5, 1945, to American Agriculturist, Inc., Ithaca, N. Y., a corporation of New York, assignee by mesne assignments. Class 38.

46,216. **"F. HOYT & CO." AND DRAWING.** PERFUMERY. Registered Sept. 12, 1905. F. HOYT & COMPANY, LIMITED, Philadelphia, Pa. Re-renewed Sept. 12, 1945, to F. Hoyt & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

46,382. **CLUETT.** COLLARS AND CUFFS. Registered Sept. 19, 1905. CLUETT, PEABODY & Co. Re-renewed Sept. 19, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 39.

46,523. **"SERPENTINE" AND DRAWING.** CRAPE. Registered Sept. 26, 1905. PACIFIC MILLS, Lawrence, Mass. Re-renewed Sept. 26, 1945, to Pacific Mills, New York, N. Y., a corporation of Massachusetts. Class 42.

46,540. **ECHO.** SOAP. Registered Sept. 26, 1905. WILLIAM WALTKE & Co., St.-Louis, Mo. Re-renewed Sept. 26, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

46,575. **"ENERGINE" AND DRAWING. LIQUID HYDROCARBON FUELS FOR AUTOMOBILES.** Registered Sept. 26, 1905. THE ENERGINE COMPANY, Cleveland, Ohio. Re-renewed Sept. 26, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments. Class 15.

46,591. **MONARCH.** COLLARS AND CUFFS. Registered Sept. 26, 1905. CLUETT, PEABODY & Co. Re-renewed Sept. 26, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 39.

46,604. **E. & W.** OUTER AND DRESS SHIRTS. Registered Sept. 26, 1905. EARL & WILSON. Re-renewed Sept. 26, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 39.

46,790. **DIXIE BOY.** LEATHER BOOTS AND SHOES. Registered Oct. 10, 1905. GEO. D. WITT SHOE Co. Re-renewed Oct. 10, 1945, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia, successor. Class 39.

46,901. **REPRESENTATION OF A COW.** BAKING-SODA, SALERATUS, AND BAKING-POWDER. Registered Oct. 17, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Oct. 17, 1945, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Classes 6 and 46.

46,902. **COW.** SAL-SODA. Registered Oct. 17, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Oct. 17, 1945, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

46,903. **"2ND TO NONE" AND DESIGN.** BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered Oct. 17, 1905. JOHN L. SALTER. Re-renewed Oct. 17, 1945, to Woodward, Baldwin and Company, New York, N. Y., a firm, successor. Class 42.

46,947. **BITULITHIC.** BITUMINOUS CEMENT OR CEMENT COMPOSITION. Registered Oct. 17, 1905. WARREN BROTHERS COMPANY, Boston, Mass. Re-renewed Oct. 17, 1945, to Warren Brothers Company, Cambridge, Mass., a corporation of West Virginia. Class 12.

46,983. **DIXIE GIRL.** LEATHER BOOTS AND SHOES. Registered Oct. 17, 1905. GEO. D. WITT SHOE Co. Re-renewed Oct. 17, 1945, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia, successor. Class 39.

47,013. **PENNYSAVER.** ENVELOPES. Registered Oct. 17, 1905. SAMUEL CUPPLES ENVELOPE CO., St. Louis, Mo. Re-renewed Oct. 17, 1945, to Samuel Cupples Envelope Company, Inc., Brooklyn, N. Y., a corporation of Delaware, successor. Class 37.

47,016. **"H. S. ANVIL WHITE" AND DRAWING.** PAINT PIGMENTS. Registered Oct. 17, 1905. THE LOWE BROS. Co. Re-renewed Oct. 17, 1945, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 16.

47,028. **REPRESENTATION OF A ROOSTER AND A HORN.** BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered Oct. 17, 1905. JOHN L. SALTER. Re-renewed Oct. 17, 1945, to Woodward, Baldwin and Company, New York, N. Y., a firm, successor. Class 42.

194,269. **"WHITE STAR" AND DESIGN.** FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, FRESH MELONS, FRESH GRAPES, FRESH LETTUCE. Registered Jan. 20, 1925. CALIFORNIA VEGETABLE UNION. Renewed Jan. 20, 1945, to Jones & Kavanagh Co., Ltd., Los Angeles, Calif., a copartnership, successor. Class 46.

196,697. **DANS LA NUIT.** SOAPS. Registered Mar. 24, 1925. SOCIETE WORTH, Paris, France, assignor to Franklin Simon & Co. Renewed Mar. 24, 1945, to Les Parfums Worth De Paris, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 4.

196,736. **C. F. WORTH.** SOAPS. Registered Mar. 24, 1925. SOCIETE WORTH, Paris, France, assignor to Franklin Simon & Co. Renewed Mar. 24, 1945, to Les Parfums Worth De Paris, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 4.

197,001. **"CHIC MADE" AND DRAWING.** CLOTH APRONS. Registered Apr. 7, 1925. CHIC MANUFACTURING CO. Renewed Apr. 7, 1945, to Princess Peggy, Inc., Peoria, Ill., a corporation of Illinois, by change of name. Class 39.

197,206. **SHADEX THE CRACKLESS WINDOW SHADE.** PAPER WINDOW-SHADE MATERIAL. Registered Apr. 14, 1925. THE SHADEX COMPANY, West Springfield, Mass. Renewed Apr. 14, 1945, to The Shadex Company, Springfield, Mass., a corporation of Massachusetts. Class 37.

197,212. **"ALL-CHURCH PRESS" AND DRAWING.** WEEKLY NEWSPAPERS. Registered Apr. 14, 1925. ALL-CHURCH PRESS, Fort Worth, Tex., a corporation of Texas. Renewed Apr. 14, 1945. Class 38.

197,286. **"C F G" AND DESIGN.** SOAPS, ALBUMEN SOAPS AND CLEANING LIQUORS MADE BY DECOMPOSING ALBUMINOID MATTER BY CAUSTIC ALKALIES OR ALKALINE CARBONATES, PHENOL SOAPS, CRESOL SOAPS, AND NAPHTHOL SOAPS. Registered Apr. 14, 1925. CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Apr. 14, 1945. Class 4.

197,296. **WILLIAM PENN.** SCRAPPLE, HAMS, AND BACON. Registered Apr. 14, 1925. PAUL C. SQUIRE, Boston, Mass., assignor to Wm. Moland's Sons, Inc. Renewed Apr. 14, 1945, to Wm. Moland's Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 46.

197,377. **SCHICKHAUS.** SAUSAGE. Registered Apr. 14, 1925. VAN WAGENEN AND SCHICKHAUS COMPANY, Newark, N. J., a corporation of New Jersey. Renewed Apr. 14, 1945. Class 46.

197,405. **PADS-IT.** ADHESIVE RUBBER CONTAINING TABBING COMPOUND FOR PRINTERS, PUBLISHERS, AND BINDERS. Registered Apr. 14, 1925. THE COMMERCIAL PASTE COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Apr. 14, 1945. Class 5.

197,673. **FAIRWAY.** CANNED FISH, CANNED FRUITS, EVAPORATED CANNED MILK, CANNED VEGETABLES, PRESERVED FRUITS, JAMS, DRIED FRUITS, COFFEE, TEA, FOOD-FLAVORING EXTRACTS, COCOA, PREPARED MUSTARDS, PEANUT BUTTER, OLIVES, PICKLES, CATCHUP, CHILI SAUCE, SALAD DRESSING, SPICES, TABLE SIRUP, AND VINEGAR. Registered Apr. 21, 1925. DES MOINES WHOLESALE GROCER CO., Des Moines, Iowa. Renewed Apr. 21, 1945, to Twin City Wholesale Grocer Co., St. Paul, Minn., a corporation of Minnesota, assignee. Class 46.

197,752. **PATROL.** ROAD-GRADING MACHINES. Registered Apr. 21, 1925. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn. Renewed Apr. 21, 1945, to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California, assignee. Class 23.

197,772. **YOUNG AMERICA.** RUBBER NURSING NIPPLES. Registered Apr. 21, 1925. UNITED DRUG COMPANY. Renewed Apr. 21, 1945, to United-Rexall Drug Company, Boston, Mass., a corporation of Delaware, assignee. Class 44.

197,959. **"ESSEX BRAND" ETC. AND DESIGN.** CURED, SLICED, AND BONELESS BACON IN CARTONS, CURED HAMS, AND CURED BEEF TONGUES. Registered Apr. 28, 1925. VAN WAGENEN AND SCHICKHAUS COMPANY, Newark, N. J., a corporation of New Jersey. Renewed Apr. 28, 1945. Class 46.

197,986. **MIDCO MAPLEBY.** IMITATION MAPLE EXTRACT FOR FOOD-FLAVORING PURPOSES. Registered Apr. 28, 1925. JOSEPH MIDDLEBY, JR. INC. Renewed Apr. 28, 1945, to Joseph Middleby, Jr. Inc., Boston, Mass., a corporation of Massachusetts, assignee. Class 46.

198,009. **DURATIRE.** CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. Registered Apr. 28, 1925. JOSEPH HOYLE & SON, LIMITED, Longwood, near Huddersfield, England, a corporation of Great Britain. Renewed Apr. 28, 1945. Class 42.

198,185. **MELLISDA.** TOILET CREAM OR LOTION FOR THE SKIN. Registered May 5, 1925. DAVIES, ROSE & COMPANY, LIMITED, Boston, Mass., a corporation of Massachusetts. Renewed May 5, 1945. Class 6.

198,245. **CREAMETTE.** GRAPE JUICE. Registered May 12, 1925. THE CREAMETTE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed May 12, 1945. Class 45.

198,327. **SEGURANTIA.** MIXED PAINTS, DRY PAINTS, PRIME PAINTS, ASPHALTIC PAINTS, WATERPROOF PAINTS, PASTE PAINTS, WOOD-PRESERVING PAINTS, PAINT SIZES, PAINT PIGMENTS, VARNISHES, WOOD STAINS, PENETRATING OIL STAINS, OIL FINISHES, COLORS IN OIL, ZINC WHITE, ENAMELS, DRIERS, FLOOR WAXES; FILLERS—THAT IS TO SAY, PASTE, SEMI-PASTE, OR LIQUID MATERIALS APPLIED TO WOOD TO FILL PORES AND CREVICES PREPARATORY TO APPLICATION OF PAINT, PAINT AND VARNISH REMOVERS, AND OTHER CERTAIN NAMED PAINT PRODUCTS. Registered May 12, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed May 12, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 16.

198,350. **TEMPRITE.** THERMOMETERS. Registered May 12, 1925. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y., a corporation of New York. Renewed May 12, 1945. Class 26.

198,425. **CREAMETTE.** CHEWING GUM. Registered May 19, 1925. THE CREAMETTE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed May 19, 1945. Class 46.

198,742. **"G. M. GORDON" AND DRAWING.** ANTISEPTIC MEDICINE FOR DISEASES OF THE STOMACH AND BOWELS. Registered May 26, 1925. G. M. GORDON, doing business as G. M. Gordon Drug Co. Renewed May 26, 1945, to G. M. Gordon Drug Company, Dallas, Tex., a corporation of Texas, assignee. Class 6.

198,779. **CERTAIN-TEED.** LINOLEUM CEMENT. Registered May 26, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed May 26, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 5.

198,888. **NO-KOLOR BLEACH.** BLEACHING POWDER FOR REMOVING COLOR FROM WOOL, SILK, OR COTTON FABRICS. Registered May 26, 1925. MONROE DRUG COMPANY. Renewed May 26, 1945, to Monroe Chemical Company, Quincy, Ill., a corporation of Maryland, successor. Class 6.

199,147. **DELLCO.** BRUSHES FOR PAINT, CALCIMINE, VARNISH, DUST, WHITEWASH, PLASTERING, PASTE, PAPER HANGING, AND SHAVING BRUSHES, AND SWABS FOR FLOORS. Registered June 2, 1925. SAMUEL M. DELL & COMPANY, INC., Baltimore, Md., a corporation of Maryland. Renewed June 2, 1945. Class 29.

199,783. **REPRESENTATION OF A WINGED FOOT ETC.** COTTON PIECE GOODS AND OTHER TEXTILE FABRICS—NAMELY, NARROW WOVEN COTTON FABRICS, SILK PIECE GOODS, NARROW WOVEN SILK FABRICS, JUTE PIECE GOODS, LINEN PIECE GOODS, NARROW WOVEN LINEN FABRICS, AND WOOL PIECE GOODS. Registered June 16, 1925. NATIONAL FABRIC AND FINISHING COMPANY. Renewed June 16, 1945, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee. Class 42.

200,234. **LANOIL.** PREPARATIONS ADAPTED AND INTENDED FOR USE IN WAVING OR CURLING HAIR, INCLUDING LOTIONS, AND ABSORBENT MATERIAL CONTAINING HAIR-TREATING SUBSTANCE IN SOLUBLE FORM. Registered June 30, 1925. LANOIL SYSTEM LTD., now by change of name Nestle Lanoil Co., Ltd. Renewed June 30, 1945, to The Nestle-Le Mur Company, New York, N. Y., a corporation of Ohio, assignee. Class 6.

200,376. **KEYSTONE STANDARD.** WATCHES, WATCH-CASES, WATCH MOVEMENTS, AND PARTS THEREOF. Registered June 30, 1925. THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa. Renewed June 30, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee. Class 27.

200,413. **"RED SEAL" ETC. AND DRAWING.** TWINE. Registered June 30, 1925. L. HYMAN & SONS, New York, N. Y., a firm. Renewed June 30, 1945. Class 7.

200,425. **"COLORANTES 'PONEY' DE PUTNAM" AND DRAWING.** DYES. Registered June 30, 1925. MONROE DRUG COMPANY. Renewed June 30, 1945, to Monroe Chemical Company, Quincy, Ill., a corporation of Maryland, successor. Class 6.

200,556. **WAMBA.** BLANKETS AND BED AND CRIB COVERINGS MADE OF COTTON OR WOOL OR OF A MIXTURE OF COTTON AND WOOL. Registered July 7, 1925. SMITH, HOGG & CO., New York, N. Y. Renewed July 7, 1945, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee. Class 42.

200,581. **REPRESENTATION OF A BOY AND A GIRL.** APPLE BUTTER, CANNED FISH, CANNED FRUITS, EVAPORATED CANNED MILK, CANNED VEGETABLES, PRESERVED FRUITS, OLIVE OIL, COFFEE, PREPARED MUSTARDS, MINCEMEAT, CANNED PORK AND BEANS, PEANUT BUTTER, OLIVES, PICKLES, CATCHUP, CHILI SAUCE, SALAD DRESSING, TABLE SIRUP, AND VINEGAR. Registered July 7, 1925. DES MOINES WHOLESALE GROCER CO., Des Moines, Iowa. Renewed July 7, 1945, to Twin City Wholesale Grocer Co., St. Paul, Minn., a corporation of Minnesota. Class 46.

200,586. **TRU LAY.** WIRE ROPE. Registered July 7, 1925. AMERICAN CABLE COMPANY, INC., Wilmington, Del., and New York, N. Y. Renewed July 7, 1945, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York, assignee. Class 7.

200,774. **BI-PRODUX.** STEEL WOOL. Registered July 7, 1925. BRILLO MANUFACTURING COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Renewed July 7, 1945. Class 4.

200,972. **ROCKY FORD.** CANNED SALMON. Registered July 14, 1925. ALASKA SALMON COMPANY, San Francisco, Calif. Renewed July 14, 1945, to Bristol Bay Packing Company, Seattle, Wash., a corporation of California, by change of name. Class 46.

200,975. **FROST KING.** CANNED SALMON. Registered July 14, 1925. BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Renewed July 14, 1945, to Bristol Bay Packing Company, Seattle, Wash., a corporation of California, by change of name. Class 46.

200,982. **ICE QUEEN.** CANNED SALMON. Registered July 14, 1925. BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Renewed July 14, 1945, to Bristol Bay Packing Company, Seattle, Wash., a corporation of California, by change of name. Class 46.

201,030. **"DAISY" AND DRAWING.** WOODEN TOOL HANDLES. Registered July 14, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed July 14, 1945. Class 23.

201,488. **"VARSITY" AND DRAWING.** COTTON PIECE GOODS. Registered July 28, 1925. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed July 28, 1945, to Pacific Mills, New York, N. Y., a corporation of Massachusetts. Class 42.

201,659. **REPRESENTATION OF THREE CROWS, ETC.** CREAM OF TARTAR, SALERATUS, SODA, PETROLATUM, EPSOM SALTS, CAMPHOR, FRIARS' BALSAM. Registered Aug. 4, 1925. JOHN BIRD COMPANY, doing business as The Atlantic Spice Company, Rockland, Maine, a corporation of Maine. Renewed Aug. 4, 1945. Class 6.

201,728. **"R-S" AND DESIGN.** NITROCELLULOSE. Registered Aug. 4, 1925. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 4, 1945. Class 1.

201,729. **"A-S" AND DESIGN.** NITROCELLULOSE. Registered Aug. 4, 1925. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 4, 1945. Class 1.

201,825. **REPRESENTATION OF HERCULES.** ROSIN. Registered Aug. 11, 1925. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 11, 1945. Class 1.

201,858. **HERCULES.** ROSIN. Registered Aug. 11, 1925. HERCULES POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed Aug. 11, 1945. Class 1.

201,965. **FLINTMIX.** REFRACTORY CEMENT AND BRICKS. Registered Aug. 11, 1925. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Aug. 11, 1945. Class 12.

202,012. **"GRANDMA'S" AND DRAWING.** SOAP FLAKES. Registered Aug. 11, 1925. THE GLOBE SOAP COMPANY. Renewed Aug. 11, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

202,043. **TRU-LOC.** ATTACHMENTS AND FITTINGS FOR WIRE ROPE, COMPRISING SOCKETS, EYES, SLEEVES, SHACKLES, CLEVISES, HOOKS, FERRULES, CLAMPS, YOKES, AND BALL ENDS. Registered Aug. 11, 1925. AMERICAN CABLE COMPANY, INC., Wilmington, Del., and New York, N. Y. Renewed Aug. 11, 1945, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York, assignee. Class 13.

202,196. **FULLER.** VANITY CASES MADE OF CELLULOID OR SIMILAR MATERIAL AND CONTAINING ROUGE AND FACE POWDER. Registered Aug. 18, 1925. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed Aug. 18, 1945. Class 6.

202,437. **ROYAL CREST.** NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered Aug. 25, 1925. BOHEMIAN DISTRIBUTING COMPANY, Los Angeles, Calif., a corporation of California. Renewed Aug. 25, 1945. Class 45.

202,722. **WANDA.** SOAP. Registered Sept. 1, 1925. THE GLOBE SOAP COMPANY. Renewed Sept. 1, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

202,723. **"WANDA" AND DRAWING.** SOAP. Registered Sept. 1, 1925. THE GLOBE SOAP COMPANY. Renewed Sept. 1, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

202,788. **"PEERLESS" AND DRAWING.** WOODEN TOOL HANDLES. Registered Sept. 1, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Sept. 1, 1945. Class 23.

202,789. **"PERFECTION" AND DRAWING.** WOODEN TOOL HANDLES. Registered Sept. 1, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Sept. 1, 1945. Class 23.

202,929. **NORTHLAND FARMS.** LIVE CHICKS AND EGGS. Registered Sept. 8, 1925. WILLIAM W. SPROUL, doing business as Northland Farms, Grand Rapids, Mich. Renewed Sept. 8, 1945, to Northland Farms, Zeeland, Mich., a copartnership, assignee. Class 46.

202,973. **"WHO'S WHO IN THE THEATRE" ETC.** NEWSPAPER SECTION. Registered Sept. 8, 1925. STAR COMPANY. Renewed Sept. 8, 1945, to The Hearst Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 38.

203,193. **"STRATE EIGHT" AND DRAWING.** MEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered Sept. 15, 1925. ASSOCIATED MERCHANDIZING CORPORATION. Renewed Sept. 15, 1945, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York, assignee. Class 39.

203,242. **OPEX.** NITROCELLULOSE LACQUERS AND ENAMELS, UNDERCOATINGS AND THINNERS. Registered Sept. 15, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 15, 1945. Class 16.

203,300. **"NEW ENGLAND COKE" AND DRAWING.** COKE. Registered Sept. 15, 1925. NEW ENGLAND COAL AND COKE COMPANY. Renewed Sept. 15, 1945, to New England Coke Company, Boston, Mass., a corporation of Massachusetts, assignee. Class 1.

203,323. **MEADOWBROOK FLEXO-WEAVE. LADIES' HATS.** Registered Sept. 15, 1925. SIMON MILLINERY SUPPLY CO. Renewed Sept. 15, 1945, to Simon Millinery Company, San Francisco, Calif., a corporation of California, assignee. Class 39.

203,329. **"SKELLY" AND DRAWING.** NATURAL GASOLINE, MOTOR GASOLINE, KEROSENE, PETROLEUM DISTILLATES—NAMELY, FURNACE OILS, GAS OIL, ROAD OIL, FUEL OIL, ENGINE OIL, INDUSTRIAL LUBRICANTS, LUBRICATING GREASES, AUTOMOBILE LUBRICANTS, AND PENETRATING OIL. Registered Sept. 15, 1925. SKELLY OIL COMPANY, Tulsa, Okla. Renewed Sept. 15, 1945, to Skelly Oil Company, Kansas City, Mo., a corporation of Delaware. Class 15.

203,366. **LISTERINE.** COLD CREAM. Registered Sept. 15, 1925. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Renewed Sept. 15, 1945, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware, assignee. Class 6.

203,418. **PEAK WHITE.** PASTE PAINT. Registered Sept. 15, 1925. THE BUCKEYE PAINT & VARNISH COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed Sept. 15, 1945. Class 16.

203,678. **KINGS MOUNTAIN.** GYPSUM AND LIME-GYPSUM PLASTER. Registered Sept. 22, 1925. SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va. Renewed Sept. 22, 1945, to The Mathieson Alkali Works (Inc.), New York, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 12.

203,679. **"DIAMOND H" AND DESIGN.** BURLAP BAGS. Registered Sept. 22, 1925. RICHARD C. HYLAND, doing business as Hyland Bag Company. Renewed Sept. 22, 1945, to Pacific Diamond H Bag Company, San Francisco, Calif., a corporation of Nevada, assignee by mesne assignments. Class 2.

203,722. **"DIAMOND" AND DRAWING.** WOODEN TOOL HANDLES. Registered Sept. 22, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Sept. 22, 1945. Class 23.

203,728. **LOZELLE.** LEATHER. Registered Sept. 22, 1925. THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio. Renewed Sept. 22, 1945, to The Griess-Pfleger Tanning Co., Waukegan, Ill., a corporation of Ohio. Class 1.

203,841. **LANOIL.** ELECTRIC HEATERS, THEIR SUPPORTS, AND FITTINGS FOR WAVING OR CURLING HAIR. Registered Sept. 29, 1925. NESTLE LANOIL CO. LTD. Renewed Sept. 29, 1945, to The Nestle-Le Mur Company, New York, N. Y., a corporation of Ohio, assignee. Class 44.

203,899. **GOLDEN EAR.** CANNED VEGETABLES—NAMELY, CANNED CORN. Registered Sept. 29, 1925. IOWA CANNING COMPANY, Vinton, Iowa, a corporation of Iowa. Renewed Sept. 29, 1945. Class 46.

203,902. **GOLDEN SWEET.** CANNED VEGETABLES—NAMELY, CANNED CORN. Registered Sept. 29, 1925. IOWA CANNING COMPANY, Vinton, Iowa, a corporation of Iowa. Renewed Sept. 29, 1945. Class 46.

203,938. **"SOUTHERN" AND DESIGN.** WALL PLASTERS, GYPSUM PLASTER BOARD, AND GYPSUM PARTITION TILE. Registered Sept. 29, 1925. SOUTHERN GYPSUM COMPANY, INCORPORATED, North Holston, Va. Renewed Sept. 29, 1945, to The Mathieson Alkali Works (Inc.), New York, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 12.

204,006. **CENTRALAB.** RADIO SIGNALING APPARATUS AND PARTS THEREOF, COMPRISING CONDENSERS, GRID LEAKS, POTENTIOMETERS, RHEOSTATS, VACUUM TUBE DETECTORS, SWITCH ARMS AND LEVERS, TRANSFORMERS AND TUNERS. Registered Oct. 6, 1925. CENTRAL RADIO LABORATORIES. Renewed Oct. 6, 1945, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware, assignee. Class 21.

204,017. **"GUNSTON HALL" AND DRAWING.** COFFEE. Registered Oct. 6, 1925. JANNEY-MARSHALL CO. INC., doing business as Janney Coffee Co., Fredericksburg, Va., a corporation of Virginia. Renewed Oct. 6, 1945. Class 46.

204,027. **REPRESENTATION OF A SQUARE LACE-LIKE DESIGN.** CAKE. Registered Oct. 6, 1925. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 6, 1945. Class 46.

204,081. **"BULL BRAND B B" AND DRAWING.** POULTRY AND STOCK FOOD. Registered Oct. 6, 1925. MARITIME MILLING CO. INC., New York, N. Y., a corporation of New York. Renewed Oct. 6, 1945. Class 46.

204,106. **REPRESENTATION OF A THREE-SIDED FIGURE AND LETTERS T V.** BRAKE SHOES. Registered Oct. 6, 1925. THE AMERICAN BRAKE SHOE & FOUNDRY COMPANY, Wilmington, Del., and New York, N. Y. Renewed Oct. 6, 1945, to American Brake Shoe Company, New York, N. Y., a corporation of Delaware, by change of name. Class 19.

204,118. **LUCIDINE.** LACQUER. Registered Oct. 6, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 16.

204,119. **LASTINA.** LACQUER. Registered Oct. 6, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 16.

204,120. **HELIOS.** LACQUER. Registered Oct. 6, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 16.

204,121. **INCANDESCENE.** LACQUERS. Registered Oct. 6, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 16.

204,122. **GRANITINE.** LACQUER. Registered Oct. 6, 1925. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 6, 1945. Class 16.

204,123. **TUNGSPAR.** VARNISH. Registered Oct. 6, 1925. C. A. WOOLSEY PAINT & COLOR CO., Jersey City, N. J. Renewed Oct. 6, 1945, to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 16.

204,153. **>—DOUBLE DUTY—<.** SPROCKET WHEELS. Registered Oct. 6, 1925. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 23.

204,169. **"ALPS" ETC. AND DRAWING.** HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS. Registered Oct. 13, 1925. M. ALPERIN & SONS, INC., Memphis, Tenn., a corporation of Tennessee. Renewed Oct. 13, 1945. Class 39.

204,178. **S. O. S.** ELECTRICALLY-OPERATED AUTOMOBILE HORNS. Registered Oct. 13, 1925. THE SPARKS-WITHINGTON COMPANY, Jackson, Mich., a corporation of Ohio. Renewed Oct. 13, 1945. Class 21.

204,223. **THERMOFLEX.** TRAPS FOR HANDLING EITHER STEAM OR WATER, VALVES, LOW PRESSURE AUTOMATIC BOILER FEEDERS, AND DAMPER REGULATORS. Registered Oct. 13, 1925. W. D. CASHIN CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 13, 1945. Class 13.

204,226. **REPRESENTATION OF A CROSS SECTION OF A COLLAR BUTTON.** JEWELRY MADE OF PRECIOUS METAL—NAMELY, BROOCHES, BAR PINS, HANDY PINS, SAFETY PINS, COLLAR PINS, SCARF PINS, SLEEVE LINKS, BRACELETS; VEST SETS CONSISTING OF SLEEVE BUTTONS OR LINKS, VEST BUTTONS AND STUDS; COLLAR BUTTONS, PENDANTS, NECKLACE CLASPS, NECK CHAINS, BANGLES, NECKLACES, CHILDREN'S SETS, LINGERIE CLASPS, AND FINGER RINGS. Registered Oct. 13, 1925. KREMENTZ & COMPANY, Newark, N. J., a corporation of New Jersey. Renewed Oct. 13, 1945. Class 28.

204,250. **HEIKO-LILAC "C".** ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. Registered Oct. 13, 1925. HEINE & CO., New York, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 6.

204,251. **HEIKO=LILAC "B".** ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. Registered Oct. 13, 1925. HEINE & CO., New York, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 6.

204,252. **HEIKO LILAC "A".** ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. Registered Oct. 13, 1925. HEINE & CO., New York, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 6.

204,257. **"CASTLE BRAND" AND DRAWING.** LADIES' KIMONOS, HOUSE DRESSES, HOUSE APRONS, BUNGALOW APRONS; MEN'S, WOMEN'S, AND CHILDREN'S BATH ROBES. Registered Oct. 13, 1925. CARO & CO. INC., New York, N. Y., a corporation of New York, N. Y. Renewed Oct. 13, 1945. Class 39.

204,264. **"STAR QUALITY" AND DRAWING.** READY-MIXED PAINTS, VARNISHES, STAINS, AND PAINT ENAMELS. Registered Oct. 13, 1925. STAR-PEERLESS WALL PAPER MILLS, Joliet, Ill. Renewed Oct. 13, 1945, to Star-Peerless Wall Paper Mills, Chicago, Ill., a corporation of Illinois. Class 16.

204,270. **"MELKO" AND DESIGN.** ALL TYPES OF UNDERWEAR, KNITTED OR WOVEN, HOSIERY, AND ALL TYPES OF SWEATERS. Registered Oct. 13, 1925. A. KOMMEL & SONS, New York, N. Y., a firm. Renewed Oct. 13, 1945. Class 39.

204,273. **POST.** DRESS AND NEGLIGEE SHIRTS. Registered Oct. 13, 1925. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 39.

204,293. **VALSPAR SATINAMEL.** EGGSHELL-GLOSS FINISHING ENAMEL. Registered Oct. 13, 1925. VALENTINE & COMPANY. Renewed Oct. 13, 1945, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 16.

204,299. **"UNA" AND DRAWING.** WELDING RODS. Registered Oct. 13, 1925. RAIL WELDING & BONDING COMPANY. Renewed Oct. 13, 1945, to Una Welding, Inc., Cleveland, Ohio, a corporation of Delaware, by change of name. Class 14.

204,313. **STELLAR.** WATCHCASES OF PRECIOUS, SEMIPRECIOUS, AND BASE METAL. Registered Oct. 13, 1925. STAR WATCH CASE CO., Ludington, Mich., a corporation of Michigan. Renewed Oct. 13, 1945. Class 27.

204,317. **REPRESENTATION OF A COVERED WAGON, ETC.** SUSPENDERS, GARTERS, ARM BANDS, AND BELTS. Registered Oct. 13, 1925. PIONEER SUSPENDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 39.

204,319. **RED LABEL.** LIQUID CLEANER AND POLISH FOR FLOORS, INTERIOR DECORATIONS, AND AUTOMOBILES. Registered Oct. 13, 1925. L. O. KERKOW, Cleveland, Ohio. Renewed Oct. 13, 1945, to L. O. Kerkow, Cleveland Heights, Ohio. Class 16.

204,321. **ALUMINOX.** ABRASIVE GRAINS AND GRINDING WHEELS. Registered Oct. 13, 1925. AMERICAN EMERY WHEEL WORKS, Providence, R. I., a corporation of Rhode Island. Renewed Oct. 13, 1945. Class 4.

204,406. **"WOVENART" AND DRAWING.** RUGS AND CARPETS OF MATTING MATERIAL. Registered Oct. 20, 1925. PATCHOGUE-PLYMOUTH MILLS CORPORATION, New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 42.

204,408. **"STIFEL" AND DRAWING.** COTTON PIECE GOODS. Registered Oct. 20, 1925. J. L. STIFEL & SONS. Renewed Oct. 20, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name. Class 42.

204,411. **"STIFEL BLUE LINE" AND DRAWING.** COTTON PIECE GOODS. Registered Oct. 20, 1925. J. L. STIFEL & SONS. Renewed Oct. 20, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name. Class 42.

204,413. **COMBINE.** LEATHER BELTING. Registered Oct. 20, 1925. JOHNSON BELTING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 35.

204,429. **SWEETHEART.** CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, CANNED OYSTERS, COFFEE, TEA, CHOCOLATE, COCOA, SPICES, CONDENSED MILK, CONDIMENTS—NAMELY, WORCESTERSHIRE SAUCE; RELISHES — NAMELY, PICKLES; OATMEAL, TAPIOCA, BUTTER, LARD; BAKERY GOODS—NAMELY, CRACKERS; SUGAR, TABLE SIRUP AND CHEESE. Registered Oct. 20, 1925. C. S. CRARY COMPANY. Renewed Oct. 20, 1945, to Wm. R. Benner, Streator, Ill., assignee by mesne assignments. Class 46.

204,456. **"PACOLET M'FG. COMPANY" AND DRAWING.** COTTON PIECE GOODS. Registered Oct. 20, 1925. PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga., a corporation of South Carolina. Renewed Oct. 20, 1945. Class 42.

204,459. **ELÉNE.** WOMEN'S HATS. Registered Oct. 20, 1925. ASSOCIATED MERCHANDISING CORPORATION. Renewed Oct. 20, 1945, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York, assignee. Class 39.

204,532. **FRUIT WINE.** CAKES. Registered Oct. 20, 1925. GRENNAN BAKERIES INCORPORATED, Detroit, Mich. Renewed Oct. 20, 1945, to Grennan Bakeries, Incorporated, Chicago, Ill., a corporation of Delaware. Class 46.

204,533. **"CAMERON MILLS" AND DRAWING.** COTTON PIECE GOODS. Registered Oct. 20, 1925. PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga., a corporation of South Carolina. Renewed Oct. 20, 1945. Class 42.

204,547. **"WILDCAT" AND DRAWING.** OVERALLS AND OTHER WORK CLOTHES FOR MEN AND BOYS—NAMELY, COATS, PANTS, AND ONE-PIECE OVERALL GARMENTS. Registered Oct. 20, 1925. A. B. FRANK COMPANY, San Antonio, Tex., a corporation of Texas. Renewed Oct. 20, 1945. Class 39.

204,568. **"BLACK AND GOLD" AND DRAWING.** FOOD SIRUPS. Registered Oct. 20, 1925. FASSETT & COMPANY, Tacoma, Wash., a corporation of the State of Washington. Renewed Oct. 20, 1945. Class 46.

204,624. **PRISCILLA.** HAIR NETS. Registered Oct. 20, 1925. S. H. KRESS AND COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 39.

204,632. **ADVANCE.** WOOD AND COAL COOKING AND HEATING STOVES, COMBINATION COAL AND GAS RANGES, AND GAS RANGES. Registered Oct. 20, 1925. ADVANCE STOVE WORKS, Evansville, Ind., a corporation of Indiana. Renewed Oct. 20, 1945. Class 34.

204,655. **EL MAXIMO.** CITROUS FRUIT—NAMELY, FRESH ORANGES, GRAPEFRUIT, TANGERINES, LEMONS, AND LIMES. Registered Oct. 20, 1925. LATIMER MAXCY, Frostproof, Fla. Renewed Oct. 20, 1945. Class 46.

REISSUES

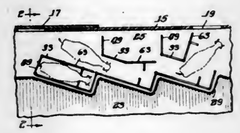
AUGUST 7, 1945

22,657
MILKING PARLOR

Henry B. Babson, Chicago, and Jacob J. Stampen, Hollywood, Ill., assignors, by mesne assignments, to Babson Bros. Co., Chicago, Ill., a corporation of Illinois

Original No. 2,198,048, dated April 23, 1940, Serial No. 202,884, April 19, 1938. Application for reissue March 5, 1945, Serial No. 580,942

12 Claims. (Cl. 119—16)



1. An animal cage having an entrance and an exit comprising a yoke adapted when closed to entrap the neck of an animal in the cage and when open to release the neck of the animal and permit the animal to escape from the cage through the open yoke, and a manually operable member for opening and closing said yoke, a latch to secure the yoke in latched position, and means actuated by said member for tripping the latch.

9. A milking station comprising a plurality of milking cages of generally rectangular configuration arranged in stepped relationship in a row, the corner of one cage being adjacent the diagonally opposite corner of the next adjacent cage, a cow aisle on one side of said row, and an operator's aisle on the other side of said row, each cage having entrance and exit gates opening into said cow aisle, a yoke in each cage adapted when closed to entrap the neck of an animal in the cage and when open to release the neck of the animal and permit the animal to escape from the cage through the open yoke, and gate-operating means including at least one manual operating member on the side of the stall facing the operator's aisle, said means also opening and closing said yoke, a latch to secure the yoke in latched position and means actuated by said gate operating means for tripping the latch.

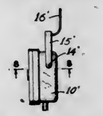
22,658
BONE CONDUCTION AUDIPHONE

Henry Koch, Jamaica, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,144,458, dated January 17, 1939, Serial No. 38,682, August 31, 1935. Application for reissue January 18, 1940, Serial No. 314,564

9 Claims. (Cl. 179—107)

2. In an audiphone, the combination of a vibratory mechanism comprising two members, relatively stiff spring means connecting said members permitting a limited relative movement between at least portions of both members, electrical means adapted to respond to varying currents within the audible frequency range secured to said portion of one of said members and operatively opposed to said portion of the other member for relatively vibrating the same, a casing for said mechanism secured to one of said members, a contactor directly secured to one of said members for engaging the user and forming at least part of a wall of the casing, and supporting means having less stiffness than said spring means mechanically coupled to the member that is not directly secured to the contactor for holding the said last named member substantially stationary with the contactor in engagement with the bone structure of the user, whereby the contactor is free to vibrate relatively to said last-named member and said supporting means, without suppression by said supporting means when said electrical means is energized for transmitting the vibrations of the contactor through the bone structure to the inner ear.



22,659
FASTENER

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original No. 2,326,579, dated August 10, 1943, Serial No. 325,857, March 25, 1940. Application for reissue October 6, 1944, Serial No. 557,490

8 Claims. (Cl. 85—36)



6. A fastener for clamping together an apertured member and a second member having a stud passed through the aperture of the first named member, said fastener being formed of spring material and having inner and outer arms normally disposed in divergent untensioned relation, each of said arms being formed with a stud receiving opening, stud gripping means associated with the outer fastener arm, said fastener being compressible by movement of the arms thereof to a less divergent relation with the stud receiving openings in registering alignment when both arms of said fastener are passed over the stud to enable said tongues to grip tightly said stud.

22,660
METHOD OF AND MEANS FOR WAVING HAIR

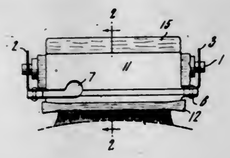
Ralph L. Evans, New York, and Everett G. McDonough, Yonkers, N. Y., assignors to Zotos Corporation, New York, N. Y., a corporation of New York

Original No. 2,111,558, dated March 22, 1938, Serial No. 727,154, May 23, 1934. Application for reissue March 22, 1940, Serial No. 325,466

15 Claims. (Cl. 132—36.2)

5. Means for producing the proper time-temperature relationships for the permanent waving of hair including a chemical mixture which will generate heat at hair waving temperatures, the chemical mixture comprising: oxidizing and

reducing substances which when treated with an aqueous medium generates the heat by a chemical reaction of the substances; solid material for regulating the hydrogen ion concentration; means for accelerating electron acceptance, or of electron loss, or of both, comprising a copper



containing material to form nascent metallic copper and copper ions upon water addition to the mixture; said last two means coacting to regulate the rate of the heat generation and to effect the proper sequential time-temperature relationship for imparting a permanent wave to hair; and an inert solid absorbent.

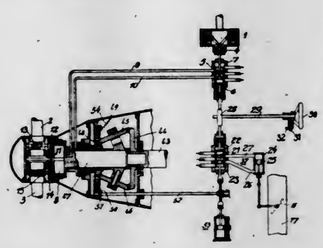
22,661

AIRCRAFT ENGINE CONTROL

Fritz Gosslau, Berlin - Charlottenburg, and Johannes Schmidt, Berlin-Eichkamp, Germany; vested in the Alien Property Custodian

Original No. 2,187,120, dated January 16, 1940, Serial No. 72,834, April 4, 1936. Application for reissue June 5, 1940, Serial No. 339,000. In Germany April 30, 1935

9 Claims. (Cl. 170—135.6)



1. In combination, an engine, fuel supply means therefor, an operating shaft driven by said engine and driving an adjustable pitch propeller, hydraulic motor means for adjusting the pitch of the blades of said propeller, hydraulic motor means for adjusting said fuel supply means, separate hydraulic pitch control and fuel control means, respectively, for controlling said motor means, common operating means for determining the setting of said hydraulic control means, and separate auxiliary means for governing the actuation of said hydraulic control means according to the speed of said engine and according to the torque of said operating shaft, respectively.

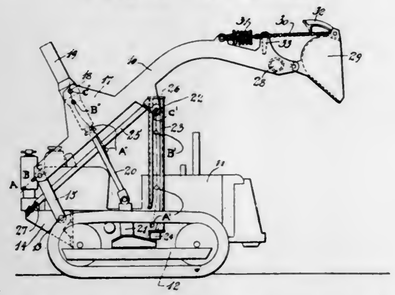
22,662

TRACTOR PROPELLED IMPLEMENT

George W. Mork, South Milwaukee, Wis., assignor to Bucyrus Erie Company, South Milwaukee, Wis., a corporation of Delaware

Original No. 2,345,620, dated April 4, 1944, Serial No. 441,306, May 1, 1942. Application for reissue December 29, 1944, Serial No. 570,415

12 Claims (Cl. 214—139)



1. In a material-handling implement for attachment to a tractor which has a main frame and two traction frames pivotally attached thereto, the combination of: two arms; and the implement proper, attached to the arms; each arm being supported and manipulated by the following described mechanism: a link, pivotally attached to the main tractor frame near the rear thereof and projecting upwardly therefrom, and pivotally attached to the rear end of the arm, and so disposed that at some intermediate position of this link its line of action will intersect the line of pivotal attachment of the traction frames to the main tractor frame; a stop, carried by the main tractor frame, and adapted to limit the downward motion of the rear end of the arm; a substantially vertical guideway, carried by the main tractor frame near the front thereof; guide means, carried by the arm, to engage the guideway during the upper portion of its travel, and to be free of the guideway during the lower portion of its travel; a cylinder, pivotally attached to the arm, intermediate its rear end and the guide means; and a piston, in the cylinder, pivotally supported by the traction frame; the cylinder-piston assembly being so disposed that the path of the pivotal attachment to the arm is approximately a straight line, substantially coincident with the line of action of the piston in all positions thereof.

PATENTS

GRANTED AUGUST 7, 1945

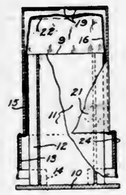
2,380,913

ART OF PACKAGING

Milton Bennett, Briarcliff Manor, N. Y., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware

Application October 29, 1942, Serial No. 463,795

2 Claims. (Cl. 93—36.01)



1. The method of producing a composite wrapper, which comprises, loosely inserting the major portion of a flexible bag within a relatively rigid carton so that the mouth portion of the bag projects outwardly beyond the carton end opening, confining atmospheric air within the bag while applying the carton thereto, and thereafter restrictively releasing confined air from within said bag so as to compress the said air and to cause the same to distend the bag into intimate contact with the carton sides and bottom while simultaneously positively forcing the peripheral bottom portions of the bag into snug engagement with the corners of the carton bottom and folding the projecting bag mouth portion over and into snug contact with the exterior of the carton around its open end.

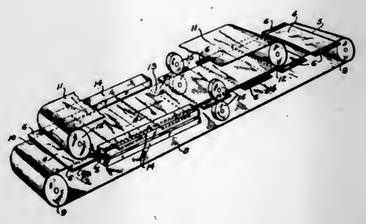
2,380,914

ART OF MANUFACTURING POUCHES

Clyde K. Billeb, Shorewood, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware

Application April 12, 1943, Serial No. 482,682

2 Claims. (Cl. 93—35)



1. The method of producing pouches from approximately rectangular sheets of heat-sealable material, which comprises, folding each sheet medially of its end edges to provide integral superimposed layers of the material, clamping the portion of each folded sheet between the superimposed opposite side edges thereof while continuously advancing the clamped assemblages in succession with their opposite overhanging side edge portions passing through heating zones so as to prepare only the protruding side edge portions for sealing by pressure, and immediately thereafter subjecting both of the heated side portions of each advancing assemblage to external rolling pressure progressing away from its initial fold so as to seal the sides and to thus produce pouches each having three closed and one open edge portion.

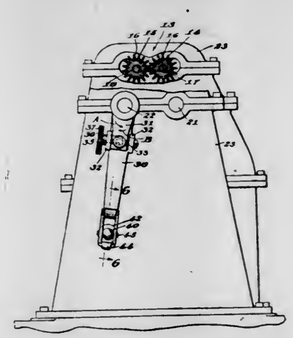
2,380,915

APPARATUS FOR ATTENUATING FIBERS

Ed Fletcher, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

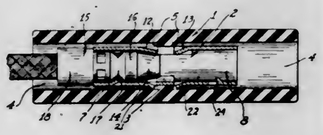
Application March 14, 1942, Serial No. 434,669

7 Claims. (Cl. 49—17)



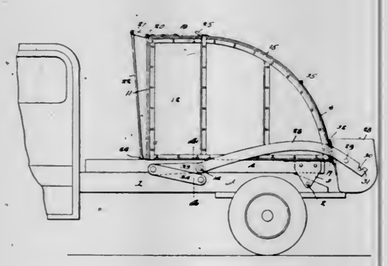
6. Apparatus for attenuating fibers comprising a pair of rock shafts supported in lateral spaced relationship and connected together for synchronized movement in opposite directions, bearing arms respectively secured to the rock shafts and extending radially outwardly from the rock shafts, coacting toothed members respectively journaled in the outer end portions of the arms on said rock shafts for rotation and arranged in intermeshing relationship, means for flowing a stream of glass between the toothed members in such a manner that the coacting teeth on the members exert a pulling force on the stream of glass, a lever having one end journaled on one of the rock shafts and having laterally spaced abutments intermediate the ends thereof, a second lever having one end secured to the said one rock shaft and having the opposite end projecting between the abutments to coact with the latter to move the toothed members into and out of operative relationship upon swinging the first lever in opposite directions, and means for adjusting the second lever relative to the first lever to vary the degree of intermeshing of the toothed members and to thereby vary the rate of attenuation of the stream of glass by the toothed members.

2,380,916
ELECTRICAL CONNECTION MEANS
Fay Beal, Bronson, Mich., assignor to H. A. Douglas Manufacturing Co., Bronson, Mich., a corporation of Michigan
Original application March 29, 1939, Serial No. 264,830. Divided and this application January 10, 1941, Serial No. 373,908
9 Claims. (Cl. 173—328)



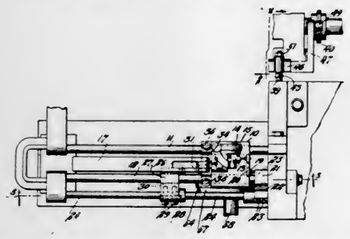
1. Electrical connection means, including a tubular member of insulating material, an abutment provided within the confines of said member, an insert member adapted to be engaged by conductor terminals arranged in said tubular member, and oppositely disposed longitudinally extending resilient portions provided on said insert in spaced relation to its longitudinally extending marginal edges, said portions being movable independently of each other so that when the insert member is received in either end of the tubular member one or the other of the portions will be caused to snap and engage said abutment for locking said members together, the extremities of said portions being constructed and arranged for nonengagement by said terminals.

2,380,917
SELF-LOADING TRUCK BODY
John S. W. Boone, Chapel Hill, N. C.
Application April 19, 1944, Serial No. 531,799
4 Claims. (Cl. 214—67)



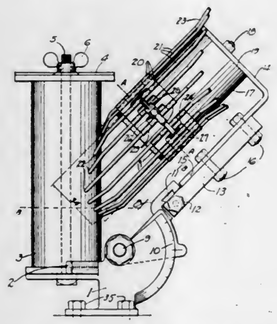
1. The combination with a truck chassis, of a body thereon mounted for tilting movement, there being an inlet opening in the top of the body adjacent to one end, a lid normally closing the opening, sweeps joined to the body and positioned for movement at the sides thereof, a bucket pivotally mounted between the sweeps and normally positioned adjacent to the bottom of the back end of the body, means for tilting the body relative to the chassis, means operated by the tilting of the body for actuating the sweep to convey the bucket to a point adjacent to and above the opening, and delayed action means controlled by the tilting of the body for moving the lid to open position when the bucket arrives adjacent to the opening.

2,380,918
STRIP FEED
Alwyn E. Borton, South Orange, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey
Application September 4, 1943, Serial No. 501,329
8 Claims. (Cl. 271—2.5)



2. A slide feed, comprising supporting rods, a slide block reciprocating on said rods, a drag carried by said block and engaging said rods, front and back stops for said slide block and a supporting rod on which said front and back stops are adjustably fixed, said front and back stops being free of said slide supporting rods so as to be unaffected by expansion of the same resulting from heat occasioned by action of the drag on said supporting rods, said front and back stops comprising blocks with split clamp portions adjustably secured on said stop supporting rod and having passages surrounding and of larger diameter than one of said slide block supporting rods.

2,380,919
CONFORMATOR GAUGE FOR TUBULAR JOINTS
George H. Bugenhagen, Midland, Mich.
Application September 9, 1943, Serial No. 501,666
2 Claims. (Cl. 33—175)



1. In apparatus for laying out a profile for cutting a first elongated hollow member, which is to be joined to a second elongated member to form a non-planar junction, the combination including: a base member; means for supporting rigidly on said base member a first template having a cross-section substantially identical with that of the said second elongated member; an arm hinged to the base member and adapted to swing in the plane of the longitudinal axis of the said supported first template; means to hold rigidly the hinged arm at a predetermined position between the limits of its swing corresponding to the angle at which the elongated members are to be joined; template supporting means for supporting rigdily on the hinged arm a second template having a cross-section substantially identical with that of the said first elongated member; flexible removable encircling means adapted to encircle tightly the second template and to clamp securely thereon; and rod-like members, having ends offset a distance substantially equal to the wall thickness of the member which is to be cut, slidably supported by the encircling means axially parallel to the second template, the ends of the rod-like members when slid into contact with the said first template outlining a profile for cutting the said first elongated member.

2,380,920
ZINC BASE ALLOYS
Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application June 16, 1943, Serial No. 491,057
4 Claims. (Cl. 75—178)

1. Hot and cold workable alloys, characterized by superior tensile strength, ductility and toughness in the annealed condition as compared to zinc, having, approximately, 0.1 to 5.5% copper, 0.05 to 0.3% silver, 0.02 to 0.8% metal of the group consisting of tellurium and selenium, the balance constituting approximately 93.4 to 99.8% of the alloy being substantially zinc.

2,380,921
ZINC BASE ALLOY
Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application June 16, 1943, Serial No. 491,059
4 Claims. (Cl. 75—178)

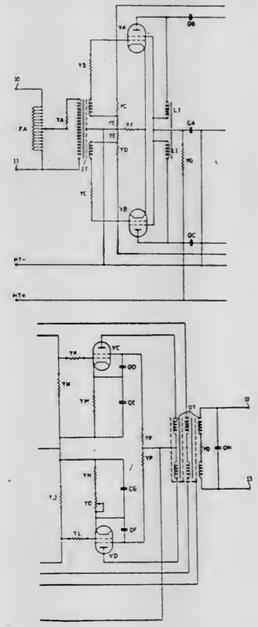
1. Zinc base alloys containing, approximately, 0.1 to 5% copper, 0.02 to 0.8% substance of the group consisting of tellurium and selenium, the balance being substantially zinc.

2,380,922
ZINC BASE ALLOY
Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application September 9, 1943, Serial No. 501,669
4 Claims. (Cl. 75—178)

1. Zinc base alloys having, approximately, 0.1 to 5.5% copper, 0.05 to 0.9% aluminum, and 0.05 to 0.9% antimony, the sum of the percentage amounts of aluminum and antimony not substantially exceeding the percentage amount of copper, the balance being substantially zinc.

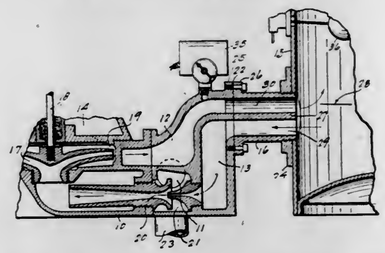
2,380,923
NEGATIVE FEEDBACK AMPLIFIER
James Rowan Cannon, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a company of Great Britain
Application November 16, 1943, Serial No. 510,545
In Great Britain January 6, 1943
1 Claim. (Cl. 179—171)

A negative feedback amplifier of the two-stage push-pull type employing choke capacity coupling in which the cores of the inter-stage coupling choke and of the output transformer are provided with suitable air-gaps to reduce harmonic distortion, the control grid bias potentials for the first stage valves are derived from a resistance common to the cathodes of both valves to reduce spurious oscillation and all the valves employed are of the beam power type which are rendered



satisfactorily interchangeable in the second stage by the provision of separate resistances in the cathode circuits of the two valves with adjusting means for at least one of said resistances.

2,380,924
SELF-PRIMING PUMPING SYSTEM
Fred A. Carpenter, Berkeley, Calif., assignor to Berkeley Pump Company, Berkeley, Calif., a copartnership
Application October 26, 1943, Serial No. 507,748
3 Claims. (Cl. 103—113)



1. A pump casing having a priming chamber and a discharge chamber formed therein, and an upper discharge passage and a lower priming passage adjacently opening through one side wall of said casing respectively into said discharge chamber and said priming chamber with a vertical flange face formed exteriorly of said casing and surrounding said passages to function as a common connection for both passages; a utility pressure storage tank having a threaded inlet, and a connecting member threaded at one end for adjustable connection in said threaded inlet and

having a flange at the other end for bolting against said vertical flange face and having an upper and a lower passage extending therethrough for completing communication between said first-mentioned upper and lower passages and the same relative levels in said tank.

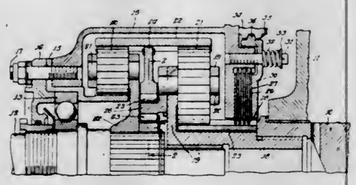
2,380,925
PLASTICIZED POLYVINYL ACETAL
La Verne E. Cheyney, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 21, 1942, Serial No. 462,819
7 Claims. (Cl. 260—36)

1. A polyvinyl acetal composition plasticized with an amide formed by equal molar proportions of a polyalkylene polyamine and a monocarboxylic fatty acid, said acid containing about five to about thirty carbon atoms.

2,380,926
PLASTIC COMPOSITION
La Verne E. Cheyney, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 21, 1942, Serial No. 462,820
5 Claims. (Cl. 260—36)

2. A polyvinyl acetal composition which is plasticized with an alcohol from the group consisting of oleyl alcohol and phytol.

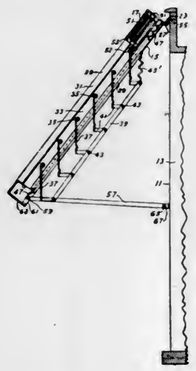
2,380,927
TRANSMISSION
Carl J. Conkle, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 5, 1943, Serial No. 485,729
8 Claims. (Cl. 74—290)



1. In a transmission, the combination of an input shaft, an output shaft, change speed mechanism connected operatively between said shafts and providing power trains for driving said output shaft at a low and a high ratio with respect to the input shaft, said mechanism including a one-way clutch for completing the power train providing said low ratio and a brake for completing the power train providing said high ratio, and a one-way clutch directly between said shafts whereby said output shaft may drive said input shaft when the transmission is conditioned for either high or low ratio.

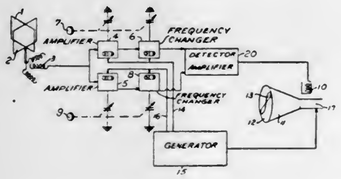
2,380,928
AWNING
Florian G. Dueweke, Detroit, Mich.
Application July 17, 1944, Serial No. 545,207
5 Claims. (Cl. 160—62)

1. A combined shutter and awning comprising, a pair of upper telescoping members, means for pivotally hinging the upper ends of said upper telescoping members in spaced parallel relation on a building above an opening to be protected, a lower telescoping member associated in a sliding telescoping relation with each upper member, a plurality of relatively movable shutter vanes extending in a horizontal direction between the parallel spaced telescoping members for protecting the building opening, either when said telescoping members are extended or retracted, a plurality of guides provided on the inside surfaces



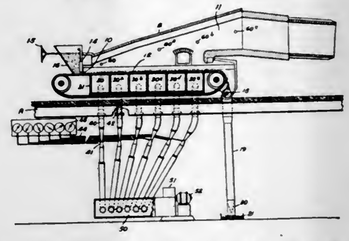
of the upper telescoping members for slidably supporting the ends of the associated vanes extending therebetween, operative as the lower members are moved up to push all said slidable vanes together in a stacked side-by-side relation and alternatively releasing the vanes to slide down said guides as the lower telescoping members move to extended positions, and means for limiting the relative downward movements of the sliding vanes to form a contiguous edge-to-edge assembly when in the extended positions.

2,380,929
INDICATING SYSTEM PARTICULARLY FOR THE MEASURE OF ANGLES
Jean Ahier and René Hardy, Lyon, France; vested in the Alien Property Custodian
Application April 24, 1942, Serial No. 440,416
In France May 17, 1941
16 Claims. (Cl. 250—11)



1. A radio direction finding system comprising a signal indicator, means for actuating the indicator to provide indications corresponding to each of two separate trains of impulses, comprising separate means for impressing each train on the indicator, and means for actuating the train-impressing means in alternation by impressing an alternating potential on each train-impressing means, said potentials being opposite in phase.

2,380,930
CARBONIZATION
Arthur Hoijord Andersen and Norman Rothwell Fasken, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application October 5, 1942, Serial No. 460,802
In Canada July 16, 1942
6 Claims. (Cl. 202—6)



1. A continuous process of carbonization wherein carbonizable material is advanced in a progressive path through a carbonizing chamber in the form of a relatively thin bed air is supplied to the bed and volatile constituents of the material are burned selectively at least partially within the bed to supply the heat of carbonization, comprising, supplying the air independently to each of a plurality of separate zones in said path in amount to effect combustion of the volatiles, throttling each air supply to reduce surging of air to a zone of lowered resistance, setting the total supply of air and the speed of progress of the material at rates effective to reduce combustion of the fixed carbon substantially to a desired minimum, setting the air supply to each zone at a rate substantially proportionate to the rate of volatile release in that zone and maintaining a high coking temperature which is nearly the same in the several zones after an initial zone whereby a substantial uniformity of the proportion of volatile burned is maintained throughout said path.

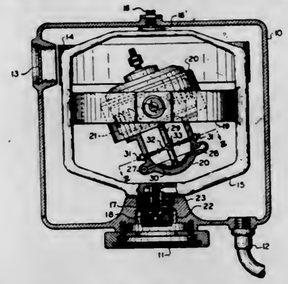
2,380,931
COMPRESSIONAL WAVE TRANSMITTING AND RECEIVING APPARATUS
Laurence Batchelder, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application May 19, 1933, Serial No. 671,870
12 Claims. (Cl. 177—386)



5. In a means for producing a beam of compressional waves, a radiating unit adapted to vibrate at longitudinal resonance comprising a magnetostrictive tube having a cap thereon having the rim thicker than the center and means energizing the tube, positioned within it.

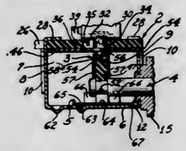
2,380,932
GYRO MAGNETIC COMPASS
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 11, 1942, Serial No. 465,291
6 Claims. (Cl. 33—226)

5. A gyro magnetic compass having a casing with a window therein, a ring mounted in said casing for movement about a vertical axis, a compass card observable through said window controlled by said ring, a rotor bearing frame mounted on said ring for movement about a horizontal axis, a rotor carried by said frame having a spin axis, means for exerting a torque



about the axis of the ring, means for exerting a torque about the axis of the frame, and means for controlling the respective torque exerting means to align the spin axis of the rotor with the earth's field and thereby cause said card to show the magnetic meridian including a universally mounted magnet in the earth's field.

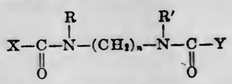
2,380,933
ELECTRIC SWITCH
Herschel C. Bolley and Elmer E. Johnson, Bronson, Mich., assignors to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application May 29, 1941, Serial No. 395,806
7 Claims. (Cl. 200—16)



1. An electric switch including, a casing, a carrier carrying contacts mounted on said casing, a bridge carrier carrying a bridge mounted in said casing, means loosely secured to the bridge carrier for reciprocating the carrier and bridge, positioning means connected to said bridge carrier for movement therewith, means on the casing cooperable with said positioning means for predetermining at least the "on" position of the switch, and means acting to hold the carrier to the reciprocating means and urge said bridge toward said contacts and said positioning means toward said cooperable means on said casing.

2,380,934
SUBSTITUTED UREAS
William Robert Boon, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 30, 1941, Serial No. 425,007. In Great Britain January 13, 1941
8 Claims. (Cl. 260—247)

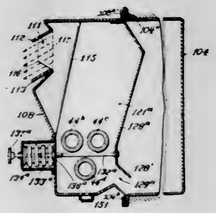
2. Dialkyl alkylene bis-ureas having the following structural formula:



wherein n is any integer from 2 to 6 inclusive,

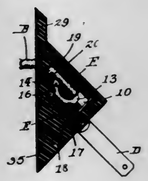
R and R' represent alkyl groups containing together not more than 8 carbon atoms and X and Y represent the imino radicals of different secondary amino compounds having a molecular weight not exceeding 120 and being members of the class consisting of dialkylamines and unsubstituted heterocyclic compounds having an NH group in the ring.

2,380,935
AIR CIRCULATING APPARATUS
John R. Boyle, Chicago, Ill., assignor to Westerlin and Campbell Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1941, Serial No. 420,460
22 Claims. (Cl. 257—2)



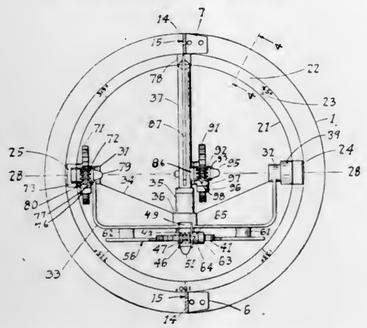
6. In air circulating apparatus for a room or like enclosure, the combination of a substantially horizontal air supply duct mounted on a wall of said room near the ceiling, a grille casing extending substantially longitudinally along the room side of said supply duct and adapted to receive air therefrom, means for controlling the flow of air from said duct to said casing, a grille slot in said casing through which air is discharged, and deflecting means associated with said grille slot and adapted to be set to deflect the air laterally at a predetermined angle or angles relatively to the length of said slot.

2,380,936
ELECTRICAL TERMINAL
Kenneth A. Brainard, Altadena, Calif.
Application May 12, 1942, Serial No. 442,697
8 Claims. (Cl. 173—361)



3. An electrical connector having a body, said body having a chamber in its side, a circuitous duct connected with the floor of said chamber and an inlet for admitting an electrical conductor into said chamber and duct, a connector element on said body having a screw threaded shank inserted in said body longitudinally of and entering the side of said duct with its thread convolutions engaging said conductor, a cover for said chamber having a fastening element inserted in said body and penetrated by said shank to hold the cover closed over said chamber, said cover having means for engaging the body of said conductor to relieve pulling strain upon the contact between the shank and the conductor.

2,380,937
NAVIGATION INSTRUMENT
Louis Burgess, Jersey City, N. J.
Application July 3, 1943, Serial No. 493,436
8 Claims. (Cl. 33—1)



1. A navigation instrument for solving spherical triangles comprising a first rod having a longitudinal axis, means for tilting said first rod within a plane about a first transverse axis crossing said longitudinal axis and normal to said plane, means for measuring the angle of tilting, means for turning said first rod about its longitudinal axis, means for measuring the angle of turning with respect to said plane, a second rod carried by said first rod, having a longitudinal axis, means for tilting said second rod about a second transverse axis, crossing both said longitudinal axes and coincident with the said first transverse axis when the angle of turning is 0, means for measuring the angle included between the said longitudinal axes, means defining a reference plane and means for measuring the position of a predetermined point on said second rod with reference to said reference plane.

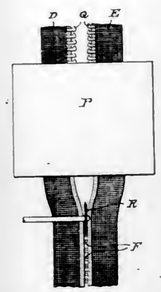
2,380,938
PROCESS OF INHIBITING CRACKING IN RE-FORMING OF HYDROCARBONS
Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 14, 1941, Serial No. 374,370
11 Claims. (Cl. 260—668)

2. Inhibiting cracking in the aromatizing of hydrocarbons, which comprises subjecting a naphtha to a temperature of 750–1200° F. in the presence of an aromatizing catalyst and a butane supplied in a ratio of 0.25–4 mols of the butane per mol of naphtha and a greater amount of hydrogen than of butane in terms of mols, said hydrogen being supplied in a ratio of 1–6 mols of hydrogen per mol of naphtha.

2,380,939
METHOD OF PRODUCING STRINGER TAPES FOR SLIDE FASTENERS
Lee Campbell, Hackensack, N. J.
Application December 22, 1943, Serial No. 515,256
4 Claims. (Cl. 28—74)

3. The method of producing a pair of mating slide fastener stringer tapes which consists in forming a strip of textile fabric to provide a pair of stringer tape defining areas disposed in closely spaced side-by-side relation connected together by longitudinally spaced groups of weft thread leads which extend completely across the strip in

bridging relation to the space therebetween and having at the inner edge of each tape defining area an edge portion of greater thickness than



the remainder of said area, dyeing the said strip and then severing the same before applying the interengageable fastening elements to the thicker inner edges of the tapes thus produced.

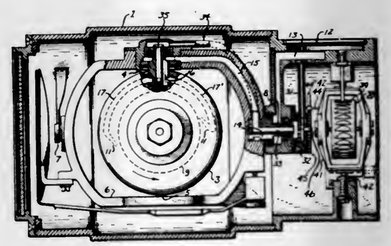
2,380,940
PHOTOGRAPHIC EMULSION
Burt H. Carroll and John Spence, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 14, 1943, Serial No. 472,340
12 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion spectrally sensitized with a cyanine dye containing, as a supersensitizer, an aromatic nitrile of the following general formula:

D—X

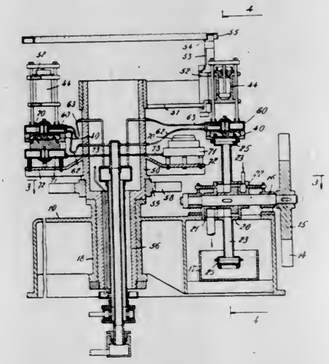
wherein D represents an aromatic nucleus devoid of nitro groups and acidic groups and salt forms of said acidic groups and X represents a member selected from the group consisting of cyano groups, cyanoalkyl groups and cyanoalkoxy groups.

2,380,941
ERECTION DEVICE FOR GYRO VERTICALS
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 7, 1940, Serial No. 369,016
12 Claims. (Cl. 74—5)



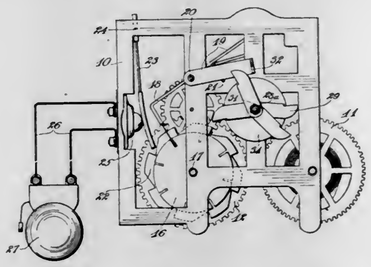
1. In a gyro vertical for moving craft, including a rotor mounted for freedom about normally perpendicular horizontal axes and a normally vertical axis and a rotor bearing frame, an unbalanced mass rotatably mounted on said frame about said vertical axis, whereby the mass remains on the low side of the frame, means rotatable with said mass for exerting an erecting torque about a horizontal axis of said frame substantially normal to the horizontal axis about which said mass acts and means responsive to turn of the craft for spinning said mass and torque means at sufficient speed to temporarily eliminate the effect of said torque on said gyro vertical.

2,380,942
MACHINE FOR MANUFACTURING MOLDED PULP ARTICLES
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, Portland, Maine, a corporation of Maine
Application March 18, 1942, Serial No. 435,163
23 Claims. (Cl. 92—56)



1. A pulp molding machine comprising a shaft, means for imparting a step-by-step rotation thereto, a plurality of pairs of drying dies mounted on the shaft in angularly spaced relation and rotating with the shaft, means for imparting a relative lateral movement to the dies of each pair to put them out of axial alinement with each other, one of said dies of each pair being arranged to receive a wet formed article while out of axial alinement with its mating die, said moving means being arranged to return the dies into axial alinement, and means for imparting relative axial movement to the dies to compress the wet article between them.

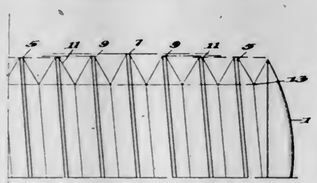
2,380,943
TIME SIGNALING APPARATUS
Charles E. Chapman, Chicago, Ill.
Application January 18, 1943, Serial No. 472,765
2 Claims. (Cl. 161—3)



1. The combination with a clock having a strike or alarm gearing and a control to set the same

off; of an extension of the control to a point in front of the clock dial, and means mounted on the hour spindle to actuate the extension, said means comprising a threaded sleeve mounted fast on the hour spindle, a series of radial lever cams perforated at their inner ends for mounting on the sleeve in longitudinal succession, and spacer and terminal nuts threaded on the sleeve in relation to the lever cams to clamp them for semi-tight rotary adjustment, the outer ends of the lever cams serving to actuate the extension.

2,380,944
COLD ROLLED GRIP BOLT
Edward J. Cole, Peekskill, N. Y., assignor to Cole Machinery Mfg. Corp., a corporation of New York
Application May 16, 1944, Serial No. 535,849
6 Claims. (Cl. 151—14)



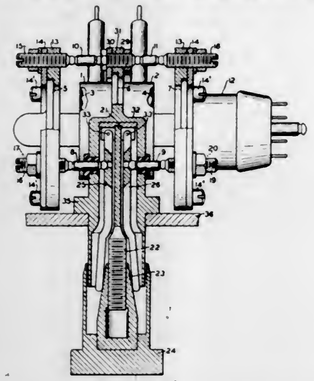
6. A threaded bolt shank in which one or more convolutions of the thread thereof is of somewhat greater diameter than the other convolutions of the thread and with the convolutions of the thread on either side of the greater convolution intermediate in diameter between it and the remainder of the thread, whereby the greater diameter convolutions form a slightly arcuate bulged portion in any desired zone of the threaded portion, the root line of the threaded bolt shank being a uniform helix lying on the surface of an imaginary cylinder.

2,380,945
REFRACTORY MOLD
Paul F. Collins, Chicago, Ill., assignor to Austenal Laboratories, Inc., Chicago, Ill., a corporation of New York
No Drawing. Application July 11, 1942, Serial No. 450,619
6 Claims. (Cl. 22—188)

1. A plastic mix for making a refractory mold, said mix comprising a refractory filler, and a binder comprising a non-inflammable liquid which in its original condition and prior to mixing therewith of the refractory filler contains inorganic silica substantially all of which is present as silica in the form of an aqueous sol with a relatively small amount of alkali metal compound.

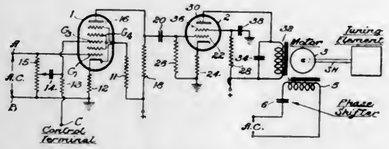
2,380,946
TUNING CONTROL MECHANISM
William T. Cooke, Huntington, and Kenneth L. Schussman, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 7, 1941, Serial No. 413,982
25 Claims. (Cl. 250—27.5)

1. A tuning control mechanism connected to a high frequency tube structure having a cavity resonator with rigid and flexible wall portions, comprising a longitudinally movable tapered member, a lever having a portion engaging the tapered



member, and a thrust member interposed between the lever and the flexible wall whereby the deflection of the flexible wall is controlled by the longitudinal movement of said tapered member.

2,380,947
WAVE LENGTH MODULATOR AND CONTROL MEANS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1941, Serial No. 393,339
17 Claims. (Cl. 172—246)



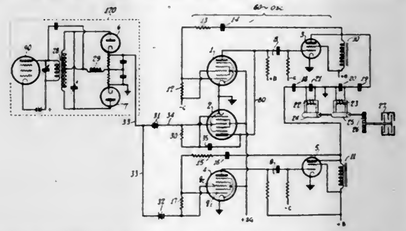
1. In means for relaying alternating voltages, an electron discharge device having an output electrode, a cathode and two control electrodes, means for applying alternating voltages of substantially like phase to said control electrodes, means for biasing said control electrodes relative to said cathode by biases of such value that voltages of substantially like amplitude are relayed to said output electrode, means for reversing the phase of one of the voltages relayed to said output electrode so that the voltages thereon compensate, and means for varying the potential on one of said control electrodes so that one of said voltages on said output electrode predominates.

2,380,948
ELECTRONIC MOTOR CONTROL
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 21, 1942, Serial No. 435,624
15 Claims. (Cl. 172—274)

6. In combination, an oscillator system comprising first and second vacuum tube amplifiers, a circuit coupling the output of said first tube to the input of the second tube, and a circuit coupling the output of the second tube to the input of the first tube to thereby form a regenerative circuit, and a degeneration tube having its output

electrode coupled in parallel relation to the output electrode of one of said amplifier tubes, a connection from the output electrode of said degeneration tube to its input electrode, and means for controlling the gain of said degeneration tube in accordance with the polarity of a direct current voltage applied thereto.

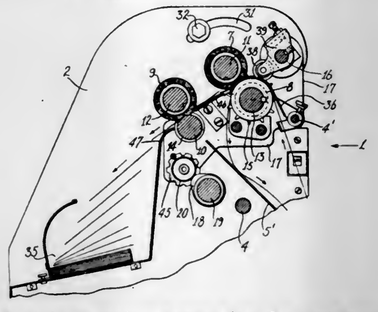
8. In combination, an electron discharge device having a cathode, first and second grids and an anode, a resistor shunted by a condenser con-



nected between said cathode and a point of fixed alternating current potential, a connection from a tap on said resistor to said second grid, an alternating current utilization circuit coupled to said anode, another electron discharge device having a grid and a cathode, a direct connection between the cathodes of said two devices, and means for applying a direct current control potential to the grid of said other device to thereby reverse the effective polarity of the control potential on the first grid of said first device.

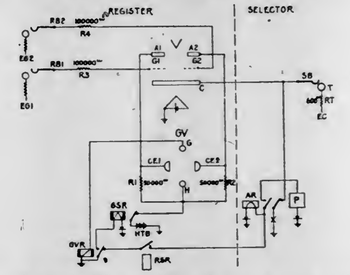
12. A motor control system comprising, in combination, an electron discharge device having an output tuned circuit connected to a pair of electrodes of said discharge device through connections devoid of concentrated inductance, said output tuned circuit consisting of an inductance coil in parallel relation to a condenser, said coil constituting the stator winding of an alternating current motor, said tuned circuit being tuned to the frequency to which said motor is responsive.

2,380,949
STRIP BURSTER
John T. Davidson, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application October 3, 1942, Serial No. 460,657
18 Claims. (Cl. 164—84.5)



1. A strip severing apparatus for progressively dividing a continuous strip of material into a succession of individual sheets upon longitudinally spaced transverse weakened division lines by subjecting succeeding terminal portions of the strip to longitudinal pulling strain in excess of the tensile strength of the strip coincident with such weakened lines, including two pairs of relatively spaced rollers having intermittent gripping engagement with the strip at opposite sides of a transverse weakened line thereof, one roller of each pair being movable simultaneously into cooperative relation with the opposing rollers of the respective pairs at timed intervals, driving mechanism for actuating the respective pairs of rollers at different peripheral speeds, a strip feeding device mounted concentrically with one of said movable rollers for advancing the strip predetermined distances intermediate succeeding strip gripping operations of the rollers to position a transverse weakened division line of the strip between the respective pairs of rollers, and operating means for intermittently moving one roller of each pair of rollers into cooperative relation with the opposing rollers of the respective pairs in synchronism with the advancement of the strip.

2,380,950
TELECOMMUNICATION SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1943, Serial No. 484,184
167 Claims. (Cl. 179—18)

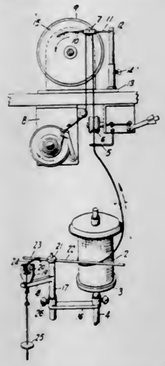


1. In a telephone exchange system, a plurality of numerically designated lines, a plurality of numerically designated groups of trunks, a connection between a calling and a called line including a plurality of trunks and a plurality of identical successively operated numerical selector switches, common means for said numerical switches for operating each in accordance with one digit of the called number, means common to the numerical switches to cause each to hunt for an idle trunk in the group designated by the corresponding digit of the called number, said common means comprises an electrical discharge device having a plurality of electrodes, a circuit local to the common means for applying variable D. C. potentials to one electrode, and circuits including said switches for applying variable D. C. potentials to another electrode, said discharge device being adjusted to operate only when the potentials applied to the two terminals bear a predetermined relationship to one another.

2,380,951
METHOD AND APPARATUS FOR EVALUATING THREAD TENSIONING DEVICES
Ferdinand A. Decker, Jr., and Paul G. Woodward, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 30, 1942, Serial No. 470,652
8 Claims. (Cl. 242—45)

1. A device for evaluating tension devices comprising a supporting bracket, a post in the bracket, a member extending transversely of and being pivotally mounted on the post, an arm extending

from the post, a pulley pivotally mounted on the arm, and a flexible strand fastened to one end of



the member and extending over the pulley for supporting a counterweight.

2,380,952
PROPELLER SHAFT
Clarence L. Dewey, Elkhart, Ind.
Application June 23, 1943, Serial No. 491,902
5 Claims. (Cl. 64—1)



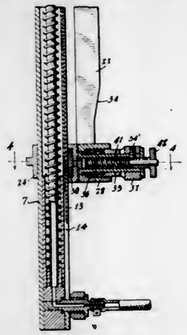
1. In an invention of the character described, the combination of a tubular power transmission element having in its end portion a series of interior longitudinally extending locking splines with intervening grooves, and a coupling element having formed therein longitudinally extending coupling splines and intervening grooves adapted to telescope with the grooves and splines of a coupling element of complementary character, the coupling element also having formed on its exterior a series of locking grooves and splines closely interengaging with the interior splines and grooves on the transmission element, and the coupling element having formed on its exterior wall a circumferential groove underlying the end portion of the transmission element, the surrounding wall of the latter being reduced to enter and snugly engage said grooved wall to interlock the parts together, and a ferrule encircling the end portion of the transmission element and having its own end reduced to snugly engage the reduced wall of the transmission element.

2,380,953
STRUCTURAL BEAM
Dmitri T. Dubassoff, New York, N. Y.
Application July 1, 1943, Serial No. 492,999
4 Claims. (Cl. 72—61)



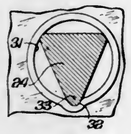
1. A structural beam comprising an elongated metal mamber; an enclosure for the metal member made of a non-metallic material adapted to resist longitudinal compression and forming a composite beam with the elongated member, the ends of the metal member protruding outwardly from the enclosure; links pivotally connected to the ends of the elongated member extending inwardly at an angle to the elongated member; supports for the lower ends of the links; the enclosure having vertical shoulders at the ends abutting the lower ends of the links and having further horizontal extensions resting on the pivoted ends of the elongated member.

2,380,954
PEAR PEELER STEMMING TUBE BRAKE ASSEMBLY
Guy A. Dunn, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Original application September 9, 1940, Serial No. 355,988. Divided and this application July 24, 1943, Serial No. 496,083
6 Claims. (Cl. 146—52)



1. A friction release assembly for use with a pear preparing machine, comprising a body member fixedly secured to a stemming tube assembly, a brake shoe disposed within said body, resilient means disposed within said body arranged to press said brake shoe against a ribbon slidably disposed in a suitable groove in said stemming tube assembly, whereby said ribbon is locked to said assembly, and means for releasing said ribbon relative to said assembly, comprising a camming surface disposed parallel to said stemming tube, a yoke, a roller engaging said surface, said roller being pivotally mounted on said yoke, and adjustable means linking said shoe and said yoke for withdrawing said brake shoe from engagement with said ribbon, said adjustable means being normally resiliently held in engagement therewith.

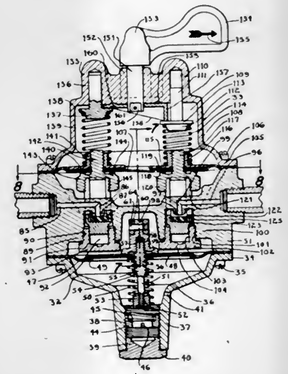
2,380,955
PLUG-IN DEVICE AND SOCKET RECEPTACLE
Hugh H. Eby, Jenkintown, Pa.
Original application May 6, 1938, Serial No. 206,457. Divided and this application December 18, 1940, Serial No. 370,642
4 Claims. (Cl. 173—328)



1. In socket receptacles, a metallic guiding element arranged to guidingly receive a projecting guide element on a plug-in device, comprising a backing portion and a pair of side arms angularly divergent therefrom, flanges mounted on

one end of the metallic device arranged for distortion to anchor the guiding element in an insulating base, supplemental anchoring means on said element spaced from the flanges and adapted to engage said base, and an inturned edge formed on said metallic element spaced from the plates arranged to engage and interlock with the projecting guide element on a plug-in device.

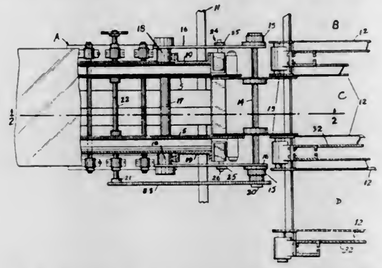
2,380,956
THROWOVER REGULATOR
Ralph E. Evarts, Aurora, Ill., assignor to The Bastian Blessing Company, Chicago, Ill., a corporation of Illinois
Application June 4, 1941, Serial No. 396,566
17 Claims. (Cl. 222—6)



1. In combination in a pressure regulator, a unitary hollow housing, a partition formed therein dividing the housing into two chambers, a plurality of diaphragms, one forming a part of each of said chambers, a closing bonnet positioned outwardly with respect to each of said diaphragms, a plurality of passages leading from the outside into one of said chambers formed partially in said partition, another passageway interconnecting the chambers, a plurality of valves one for each of said plurality of passages, a valve operating means for each of said valves having rectilineal frictional contact with a portion of the partition, said valve operating means joined to one of said diaphragms, springs effective upon each of said valve operating means and tending to open them, and selective means effective to increase the compression of one of said springs above the others at a time, and valve means joined to another of said diaphragms for controlling the flow of fluid through said other passageway.

2,380,957
TRANSFER MECHANISM FOR GRID PANELS
Carl L. Feldtkeller, Milwaukee, Wis., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Original application October 16, 1943, Serial No. 506,590. Divided and this application April 1, 1944, Serial No. 529,081
13 Claims. (Cl. 198—25)

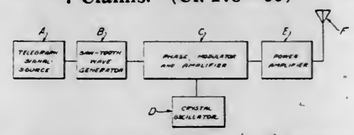
1. In combination, a shiftable primary conveyor, a plurality of secondary conveyors, and a transfer mechanism, including a pair of power operated disks, for transferring objects from the primary conveyor selectively to any one of the secondary conveyors, said disks being adjustable from operative to inoperative positions with respect to the primary conveyor to permit shifting of the primary conveyor with respect to the secondary conveyors.



2,380,958
PROCESS FOR HYDROCARBON CONVERSION
Hillis O. Folkins, Skokie, and Carlisle M. Thacker, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application July 12, 1943, Serial No. 494,354
18 Claims. (Cl. 196—52)

1. The method of converting hydrocarbons into lower boiling hydrocarbons which comprises subjecting said hydrocarbons to cracking conditions of time, temperature and pressure in the presence of a small amount of a halogenated organic compound containing an unsaturated open chain group selected from the group consisting of bromine and iodine compounds.

2,380,959
FREQUENCY CHANGING SIGNAL GENERATING SYSTEM
Sidney Frankel, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 21, 1943, Serial No. 507,107
7 Claims. (Cl. 178—66)

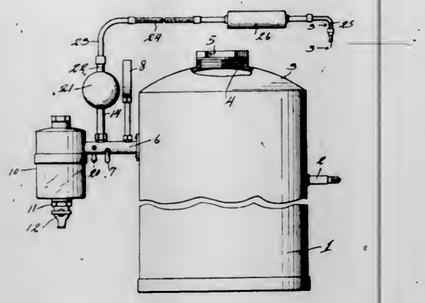


1. An electric wave frequency changing system comprising a source of waves of predetermined and substantially constant frequency, means for changing said frequency after the waves have left said source in accordance with an applied voltage and means for applying to the frequency changing means a frequency changing saw-tooth voltagle wave having a voltage return period of inconsiderable duration, but keeping the output of said frequency changing means substantially constant, whereby the output of said system varies in frequency but is substantially constant in energy content.

2,380,960
PRODUCTION OF LUBRICANTS
Harold M. Fraser, New Orleans, La., assignor to International Lubricant Corporation, New Orleans, La., a corporation of Louisiana
No Drawing. Application June 29, 1942, Serial No. 449,014
30 Claims. (Cl. 252—36)

1. A lubricating grease containing a lubricant base together with a soap of a 12-hydroxy-stearic acid together with a blending agent therefor.

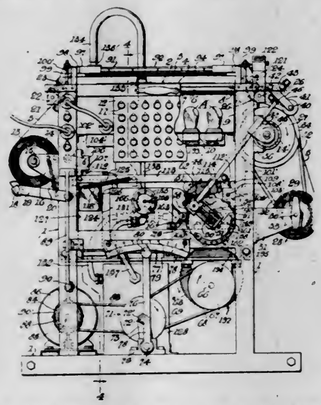
2,380,961
FUEL SUPPLYING APPARATUS
Johnny W. Fyksen, Rawlins, Wyo.
Application August 5, 1941, Serial No. 405,542
5 Claims. (Cl. 48—3)



1. Apparatus for supplying fuel to a burner, comprising a tank for fuel gas under pressure, an auxiliary fuel tank in which liquid fuel is maintained at a predetermined level, means for conducting gas under pressure from the first tank into the auxiliary tank above said level, a suction tube disposed vertically in the auxiliary tank and having one open end near the bottom of the auxiliary tank and leading out therefrom above the fuel level, means connected with the other end of said tube for conducting fuel to the burner, and an inlet opening in the tube above the liquid level by which the fuel gas under pressure may pass into said conducting means.

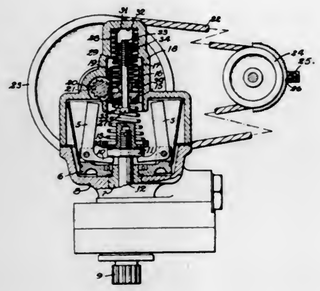
2,380,962
PHOTOGRAPHIC PRINTING MACHINE
George C. Garraway, Rutherford, N. J.
Application August 7, 1943, Serial No. 497,751
7 Claims. (Cl. 95—76)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



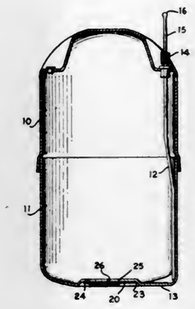
1. In a photographic printing machine adapted to produce automatically a plurality of photographic prints of a negative on a strip of sensitized material, the combination of a support, a negative carrier removably mounted on the support and including a transparent panel adapted to support a negative, said strip of sensitized material disposed above the panel, means disposed about the strip of sensitized material and adapted to be actuated at predetermined time intervals for moving portions of the strip of sensitized material into contact with the negative, means disposed beneath the negative carrier and adapted to print the negative on the strip of sensitized material, said last-mentioned means including a plurality of electric lamps, an electric circuit connected to a source of potential and having connections with each of said lamps, a switch in each of said connections, a master switch connected to be actuated to open and close said electric circuit, means including a feed roller for moving the strip of sensitized material across the panel at predetermined time intervals, a shaft connected to drive said feed roller, means mounted on said shaft for actuating said master switch to close said electric circuit at predetermined time intervals for lighting the lamps to produce prints of the negative on the strip of sensitized material, and means for driving the shaft at different speeds during each cycle of operation of the machine for accelerating the action of said first and third-mentioned means and retarding the action of said fourth-mentioned means, said driving means including a gear eccentrically mounted on said shaft, speed reduction means, a gear eccentrically mounted on said speed reduction means and meshing with said first-mentioned gear, a speed regulating mechanism connected to drive said speed reduction means and an electric motor connected to drive said speed regulating mechanism.

2,380,963
GOVERNOR ADJUSTING MECHANISM
Hugh M. Greenman, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application January 14, 1943, Serial No. 472,325
7 Claims. (Cl. 264—3)



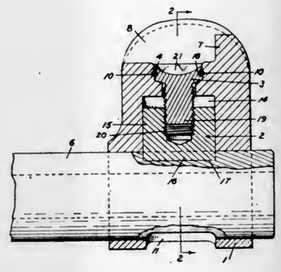
2. The combination of a speed regulator having a coiled speeder spring and an abutment bearing against one end of said spring and movable axially thereof to adjust the loading of the spring, means normally operable to position said abutment, a fixed abutment spaced from said movable abutment, a member mounted for movement toward and away from said fixed abutment, a compression spring stronger than said speeder spring acting between said movable abutment and said member, and a stop on said member limiting the movement of the movable abutment away from the member under the action of said compression spring whereby the latter establishes a predetermined intermediate speed setting of said speeder spring when said positioning means is disabled.

2,380,964
SAFETY DEVICE
Elliott E. Grover, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1943, Serial No. 492,803
5 Claims. (Cl. 220—89)



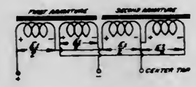
1. A safety device rupturable upon the application of a predetermined pressure, said device comprising a thin metallic membrane of uniform thickness having a portion only of its area exposed to a pressure source, said exposed portion being non-circular in outline and having at least one radial indentation between its outermost exposed edge and its center providing a point where the stresses produced by the pressure source are concentrated.

2,380,965
FRONT SIGHT FOR FIREARMS
Earle M. Harvey, Springfield, Mass.
Application October 21, 1943, Serial No. 507,088
3 Claims. (Cl. 33—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



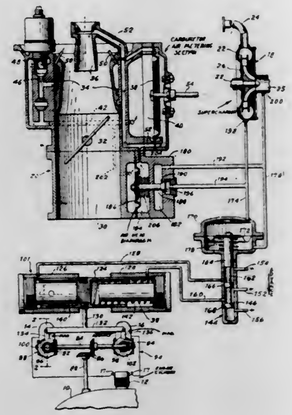
1. A firearm sight assembly comprising a bracket having an opening arranged to snugly receive a firearm barrel, a sight blade on said bracket, said bracket having an interior recess communicating with said opening, a key movably mounted in said recess, one surface of said key arranged to engage the firearm barrel, a screw rotatably mounted in said bracket but fixed in said bracket with respect to linear movement, said key having a threaded hole engageable by said screw whereby rotation of said screw will advance or retract said key in said recess with respect to the firearm barrel.

2,380,966
ALTERNATOR
Floyd William Iden, Newark, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 16, 1942, Serial No. 458,495
9 Claims. (Cl. 171—252)



1. An alternator for generating two voltages having a 180° phase relation comprising a frame, two stators mounted in said frame, two rotors mounted on a common shaft and adapted to be rotated within said stators, means for creating a magnetic flux in said rotors and stators, an armature winding on each of said stators consisting of two groups of coils, and electrical connections for connecting a coil group of one stator in series with a group of the other stator and for connecting the four groups in series with a center tap whereby voltage generated in one armature winding is added to the voltage generated in the other armature winding to produce one of the said 180° phase related voltages.

2,380,967
IGNITION TIMING
Harold T. Jarvis, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 30, 1943, Serial No. 481,114
6 Claims. (Cl. 123—117)



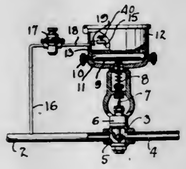
1. In combination with an engine having an adjustable ignition apparatus, an intake air supercharger, and an carburetor having means for establishing a fluid pressure head proportional to the rate of flow of engine intake air, a servo-motor for adjusting said ignition apparatus, means operated by the pressure rise across said supercharger controlling said servo-motor, and means operated by said carburetor pressure head controlling said servo-motor control means.

2,380,968
APPARATUS FOR DEGREASING CONTAINERS
Emil W. Kimmig, Rutherford, and Francis J. Peters, Clifton, N. J., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 28, 1944, Serial No. 528,488
7 Claims. (Cl. 91—13)



1. A degreasing apparatus comprising a tank means for maintaining in one section of the tank a hot vaporized grease-removing fluid and in another section of said tank a liquid bath of said grease-removing fluid, and a conveying means for passing the articles to be degreased continuously and in succession through the grease-removing vapors and then into and out of the grease-removing liquid.

2,380,969
INTERMITTER TIMING DEVICE
William R. King, Mineola, Tex.
Application April 14, 1942, Serial No. 438,891
6 Claims. (Cl. 137—145)

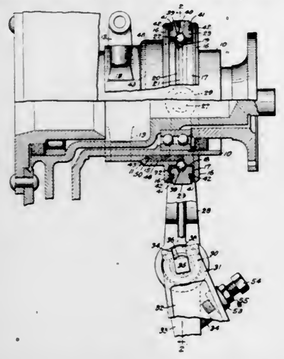


3. In an intermitter timing device, a timing member including a plurality of spaced removable timing pins, a lever, an arm on said lever to contact said pins and span the space between adjacent pins but to move into a space where one or more pins are removed, and means to adjust the length of said arm to control the length of the timing period.

2,380,970
STABLE PACKAGED PHARMACEUTICAL PREPARATION AND METHOD OF PREPARING THE SAME
Vladimir Kitter, New York, N. Y.
No Drawing. Application April 9, 1940, Serial No. 328,693
6 Claims. (Cl. 226—19)

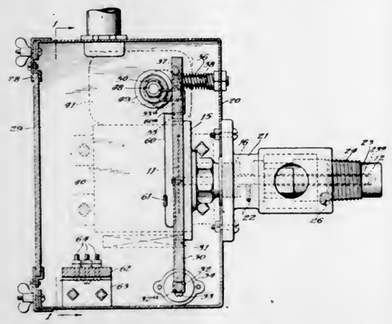
1. In the method of making a stable pharmaceutical preparation containing chloramine T and a metallic iodide the steps comprising removing substantially all the water of crystallization from solid chloramine T, drying a solid metallic iodide to the extent necessary to remove substantially all of the mechanically bound water, thereafter mixing said dehydrated chloramine T with the said dried metallic iodide, said mixing being conducted in an atmosphere containing not exceeding three grains of moisture per cubic foot, the amount of water present in the admixed materials, including water of crystallization, aggregating not in excess of 2% by weight of said chloramine T and sealing the admixed materials in an air tight wrapper.

2,380,971
BEARING
Harry A. Knox, Washington, D. C.
Application March 8, 1944, Serial No. 525,512
4 Claims. (Cl. 308—233)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



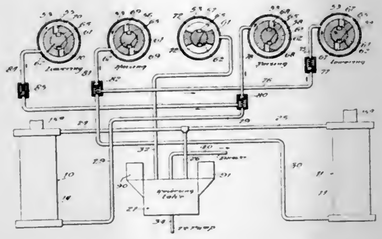
1. A lubricated bearing comprising an inner sleeve, a longitudinally movable outer sleeve offset to form an annular channel between said inner and said outer sleeve and having an annular open channel formed circumferentially thereof and an inner raceway for ball bearings in the bottom of said channel, a sealed outer raceway disposed in said open channel, ball bearings disposed in said raceways, and a lubricating member disposed in said annular channel in engagement with said ball members and said inner sleeve.

2,380,972
AUTOMATIC CONTROL OR INDICATOR
Carl J. Kopp, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application January 1, 1943, Serial No. 470,967
10 Claims. (Cl. 200—56)



1. For use with an indicating instrument including a graduated scale member and a cooperating indicating member, and wherein one of said members is movable relatively to the other, to indicate an increase or decrease in the characteristics being measured or indicated; a switch device comprising a relatively light weight contact arm adapted to be mounted in fixed relation to and movable with said movable member, said arm including a terminal contacting portion adapted to extend laterally beyond the marginal edge of said graduated scale member, a member adapted to be disposed adjacent said instrument, in registration with the terminal contacting portion of said arm, and means for rapidly oscillating said last mentioned member into and out of intermittent contact with said terminal contacting portion of said arm.

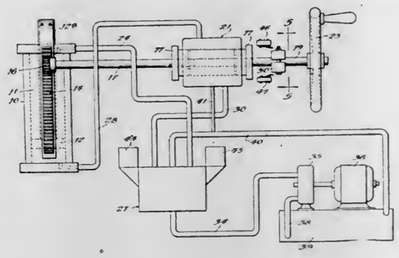
2,380,973
CONTROL FOR FLUID OPERATED MOTORS
Carl J. Kopp, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application August 11, 1943, Serial No. 498,139
7 Claims. (Cl. 60—97)



5. In combination, a pair of spaced apart hydraulically actuated motors each comprising a cylinder and a piston element reciprocably movable therein, two sets of liquid ducts connected respectively to corresponding ends of the respective cylinders, an equalizing valve connected in one set of ducts, a reversing valve connected in the other set of ducts, a duct interconnecting the equalizing valve and reversing valve, means for supplying liquid, from a source of supply, under pressure to said reversing valve, a return duct connecting the reversing valve to the source of supply, said reversing valve being adapted in one position of adjustment to supply liquid under pressure to a corresponding end of each of said cylinders and causing the liquid at the opposite ends to return to the source of supply, and adapted in another position of adjustment to supply liquid under pressure to said opposite ends of the cylinders and causing the liquid at said corresponding end of each cylinder to return to the source of supply, said equalizing valve comprising two relatively rotatable valve elements for controlling the flow of liquid to and from corresponding ends of the cylinders and between said equalizing and reversing valves, and means operably connecting said valve elements to the respective pistons, said elements being adjustable relatively to each other in response to the differential of the rate of movement of said pistons for proportionally varying the rate of flow of the liquid to or from corresponding ends of said cylinders, whereby to cause substantially equalized movement of said pistons.

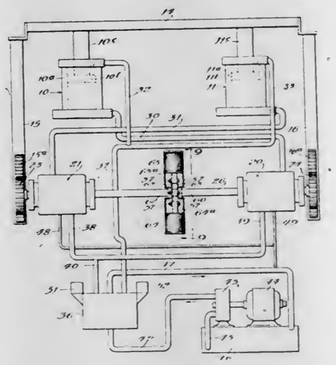
2,380,974
FLUID CONTROL VALVE
Carl J. Kopp, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application August 11, 1943, Serial No. 498,140
6 Claims. (Cl. 60—52)

5. The combination with a fluid control system having a source of fluid under pressure and a device to be selectively actuated thereby, of a reversing valve for controlling the direction of flow of fluid to said device to be actuated, a control valve interposed in said system between said reversing valve and said device to be actuated, manually operative means for opening said control valve, other means actuated responsive



to movement of said device to be actuated for closing said control valve, and electrical means actuated by said manually operative means for controlling the direction of fluid flow through said reversing valve.

2,380,975
AUTOMATIC CONTROL FOR FLUID OPERATED PISTONS
Carl J. Kopp, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application August 11, 1943, Serial No. 498,141
8 Claims. (Cl. 60—97)

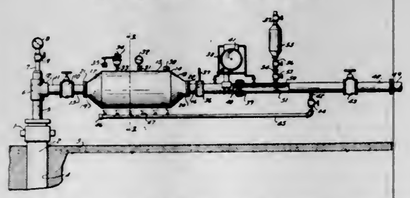


8. In a fluid operated control mechanism, a pair of fluid motors, a control valve for each motor, said valves each including a pair of cooperating rotatable valve elements having ports for registry with each other, separate means operable in direct response to movement of said motors, each of said means being operatively connected to and serving to effect rotation of one of the valve elements of the control valve for the opposite motor, a shaft interconnecting the other elements of said control valves for effecting compensating adjustment of one control valve by the other in event one motor moves at a greater rate of speed than the other motor, and a lost motion driving connection between each pair of valve elements, whereby the valve element operated by the means responsive to movement of the motor rotates and imparts rotation to the other valve element of the pair and causes rotation of the shaft, said elements maintaining such relation as long as the speed of movement of both motors remains synchronized.

2,380,976
STABILIZED SOLUTIONS OF COPPER MERCAPTIDES
Ernest Lloyd Korb, Woodstown, N. J., and John Reginald Sabina, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1942, Serial No. 441,558
20 Claims. (Cl. 252—48)

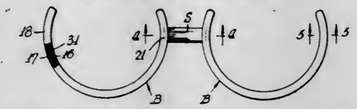
1. A stable solution which comprises a liquid non-polar organic solvent having dissolved therein a copper mercaptide of an aliphatic mercaptan and a small proportion, sufficient to stabilize the solution, of an organic carboxylic acid which is soluble in the solvent and whose copper salt is soluble in the solvent to the extent of at least 0.1%.

2,380,977
METHOD AND APPARATUS FOR OBTAINING SAMPLES
James O. Lewis, Houston, Tex., assignor of one-half to Robert T. Wilson, Corpus Christi, Tex.
Application February 28, 1941, Serial No. 381,089
13 Claims. (Cl. 73—422)



1. The method of obtaining truly representative samples of gas and its liquefiable constituents from a gas well so as to permit of accurate sampling and analysis consisting of converting fluids flowing from said well in two-phase liquid and vapor flow to single-phase vapor flow, and collecting a sample of said single-phase flow for removal and analysis.

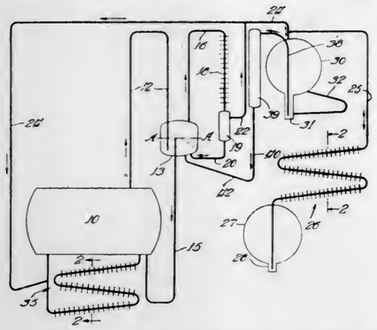
2,380,978
BRASSIÈRE
Anna Licht, New York, N. Y.
Application September 21, 1943, Serial No. 503,181
13 Claims. (Cl. 2—42)



7. As an article of manufacture, an attachment unit for a conventional cup brassière, said attachment comprising a pair of arcuate stiffening braces adapted to overlie the lower rim of the respective cups, said braces being connected near their inner ends by a short strap said stiffening braces each having stitch passageways therethrough along a line longitudinally between the lateral edges thereof.

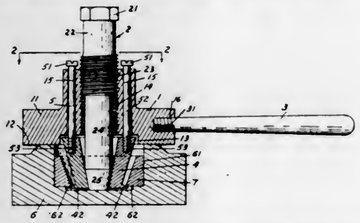
2,380,979
ABSORPTION REFRIGERATOR
John Lithgow, Oak Park, Ill., and Leslie K. Jackson, Cleveland, Ohio, assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 17, 1942, Serial No. 427,166
4 Claims. (Cl. 62—120.5)

1. In an intermittent absorption refrigerator, an evaporator comprising a receiver, a liquid supply header, a gas return header, and a plurality of tubes connecting said headers, said tubes communicating with said headers only in



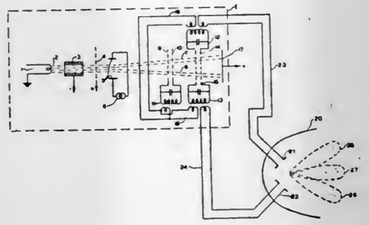
the upper portion of said tubes, whereby liquid may not be substantially drawn out of said tubes by the draining action, and drain means associated with one of said headers.

2,380,980
BEARING CUP PULLER
Leo E. Looney, Revere, Mass.
Application July 28, 1944, Serial No. 547,093
1 Claim. (Cl. 29—263)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



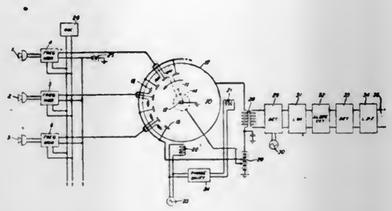
The device of the class described arranged to extract a bearing cup from a housing comprising in combination, a body member having a central portion provided with an axial opening therethrough and other openings therein parallel to the axis of said axial opening, said body member including an enlarged flange-like lower portion around said central portion arranged for bearing engagement with said housing, a screw-jack member threaded into said axial opening and having a tapered lower end portion which normally projects below said body member, an expansible extractor assembly comprising a plurality of relatively movable sectors spaced apart to provide an axial opening extending entirely therethrough which is in axial alignment with said axial opening in the body member, said sectors being so formed that the said opening in the extractor assembly is tapered similarly to said lower end portion of the screw-jack member, each of said sectors also being provided with a threaded hole in its upper side, and screw members disposed in said other openings of the body member having their upper end portions projecting above the body and being of a diameter larger than the diameter of said other openings and having their lower end portions engaged in said threaded holes of the sectors and adapted to support the same within the housing, the lower end portions of said other openings in the body member being of greater diameter than their upper end portions whereby as the screw-jack member expands the said sectors of the extractor assembly, the supporting screw members are permitted to move laterally relative to the body member.

2,380,981
RADIO SCANNING SYSTEM
Raymond J. McElhannon, Flushing, N. Y.
Application August 23, 1944, Serial No. 550,817
1 Claim. (Cl. 250—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



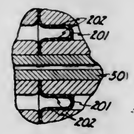
Apparatus for variably deflecting radio waves, comprising: a velocity modulated oscillator including a pair of catcher circuits, means for producing a velocity modulated cathode beam, and means for variably deflecting said cathode beam to variably excite said catched circuits concurrently in opposite relation, directive antenna means energized by said catcher circuits and arranged to variably direct radiation therefrom in accordance with said variable energization of said catcher circuits.

2,380,982
ELECTRONIC COMMUTATION OF CURRENTS
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1942, Serial No. 465,398
5 Claims. (Cl. 179—15)



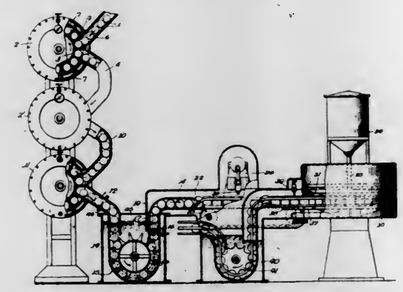
1. In a signal commutating circuit, means to translate signals into frequency-modulated waves, a rotary beam electronic commutator tube having beam modulating electrodes and an output circuit, means to place the frequency-modulated wave potentials on said electrodes in accordance with the signals to cause a frequency-modulated wave to appear in said output circuit whenever said beam sweeps past a beam modulating electrode, means to remove incidental amplitude variations from said frequency modulated waves appearing in said output circuit, and means in said output circuit for detecting said frequency-modulated waves.

2,380,983
PRESSURE RESPONSIVE MECHANISM
Frank C. Mock, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 16, 1941, Serial No. 423,249
7 Claims. (Cl. 137—157)



7. A differential-pressure responsive diaphragm comprising a sheet of stiffener-free textile completely covered with cured rubber-like material and having a permanent annular groove therein, said groove being formed by pressure applied to the textile treated with substantially uncured rubber-like material and maintained by such pressure while curing the material to an extent sufficient to maintain the groove.

2,380,984
METHOD OF CANNING
Raymond H. C. Moeller, Oak Park, Ill.
Application August 9, 1941, Serial No. 406,086
7 Claims. (Cl. 226—68)

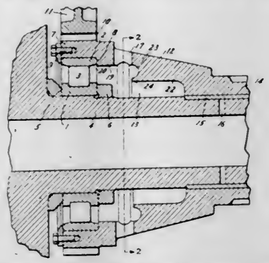


1. In the art of canning, the method which comprises, moving a sealed empty can through a hot sterilizing chamber which is at a temperature sufficiently high to sterilize the inside of the can, then moving the can through a liquid cooling bath to cool the can quickly, then advancing the can from the cooling bath into a sterile gaseous atmosphere and in said atmosphere piercing the can to form a filling opening, filling the can through said opening with a sterile product and then sealing said filling opening while the can is still in said sterile atmosphere.

2,380,985
BEARING LUBRICATING MEANS
Arthur H. Morey, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 20, 1944, Serial No. 531,872
6 Claims. (Cl. 308—187)

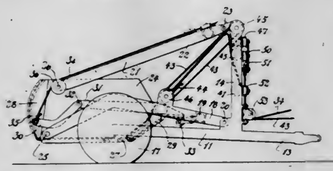
1. In combination, a rotating shaft, a bearing the outer race of which is carried by said shaft, walls which define a lubricating oil chamber at

one side of the bearing and spaced therefrom, and walls defining circumferentially spaced by-



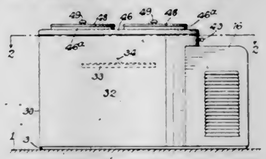
pass means for escape of oil from said chamber and between which are lands leading to the outer bearing race.

2,380,986
ELEVATING SCRAPER
George W. Mork, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application February 12, 1944, Serial No. 522,041
8 Claims. (Cl. 37—133)



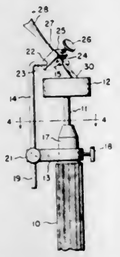
5. In an earth-moving scraper, the combination of: a ground support; an earth-holding bowl having an earth-cutting edge at the forward end; two sets of arms to support the bowl on the ground support, said sets being pivotally attached to the bowl on two respective vertically spaced horizontal axes, and to the ground support on two respective vertically more spaced horizontal axes, both of said sets of arms extending rearwardly from their pivots on the ground support to their pivots on the bowl, whereby said bowl is supported by the ground support for tilting and bodily lifting and lowering; operating means to lift the bowl, from a forwardly inclined digging position, through a substantially level carrying position, to a rearwardly inclined very elevated dumping position; an apron to close the front end of the bowl; and means to operate the apron in the digging position.

2,380,987
TWIN-CYLINDER REFRIGERATOR
Willard L. Morrison, Lake Forest, Ill.
Application March 18, 1944, Serial No. 527,094
5 Claims. (Cl. 62—116)



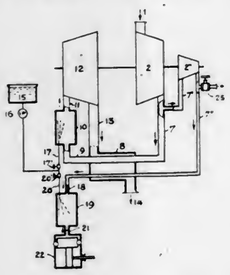
1. In a refrigerating and storage structure, a base, a plurality of generally cylindrical open topped evaporator storage units, said base having rounded ends, each of said ends being generally concentric with the walls of one of said evaporator units, an outer housing of relatively thin flexible material surrounding said base and said evaporator units, a unitary body of insulating material upon said base, upon which the evaporator units rest, a mass of relatively loose insulation tamped into the space between said housing and said evaporator units, and between said units, inlet and outlet ducts for said units, embedded in said insulation, a compressor-condenser unit in circuit with said evaporator units, said outer housing having longitudinally extending side portions connecting said arcuate end portions, said outer housing constituting an outer cabinet wall, said evaporator units constituting the sole internal reinforcement for said cabinet wall.

2,380,988
DENTAL INSTRUMENT SHARPENER
James Thomas Mudler, United States Navy, Brooklyn, N. Y.
Application July 3, 1944, Serial No. 543,375
6 Claims. (Cl. 51—220)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An instrument sharpening attachment comprising a grinding wheel adapted to be mounted on an engine handpiece for rotation, a base, means for securing said base to the engine handpiece, a guide bar, means for detachably securing said guide bar to said base, and a vise for securing an instrument to be sharpened on the grinding wheel, said vise being slidably mounted on said guide bar.

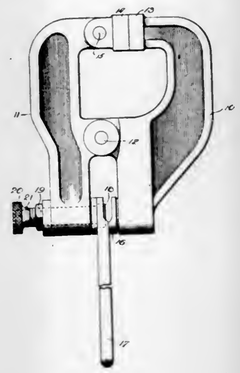
2,380,989
COMBUSTION TURBOENGINE DRIVE
Frederick Nettel, Manhasset, and Johann Kreitner, Brooklyn, N. Y.; said Kreitner assignor to said Nettel
Application April 9, 1941, Serial No. 387,629
2 Claims. (Cl. 60—49)



1. In a power system including an air compressor, a combustion chamber, a gas turbine,

and a reciprocating expansion engine, means for compressing air in two stages, means for branching off a portion of the air after the first compression stage, means for heating said branched off air stream in said combustion chamber and for admitting it into the gas turbine, means for heating, after compression through the second stage, the remaining portion of the air and for admitting it into the reciprocating expansion engine, coupling means for transmitting the power produced by said turbine to said compressor, and coupling means for transmitting the power produced by said reciprocating expansion engine to a power consumer.

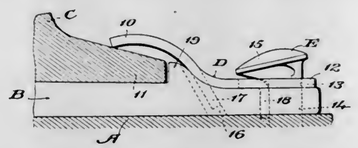
2,380,990
CLAMP
Edgar D. Paul, Wynnewood, Pa.
Application November 24, 1941, Serial No. 420,265
1 Claim. (Cl. 24—248)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A clamp for textile testing machines comprising a pair of legs pivoted together intermediate their ends, one end of each of said legs being provided with a clamping jaw, means on the opposite ends of said legs for forcing said jaws together, said means being mounted between said legs and comprising a fixed cam plate mounted on the inner end of one of said legs and a movable cam plate mounted on the inner end of the other leg and rotatable in a plane transverse to the movement of the legs, said plates having opposed cam faces for forcing the ends of the legs on which they are mounted apart when the movable cam is rotated, and a handle projecting from the periphery of the movable cam.

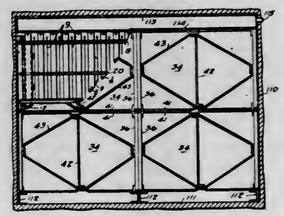
2,380,991
RESILIENT RAIL FASTENER
Ralph W. Payne, Washington, D. C.
Application March 13, 1942, Serial No. 434,580
3 Claims. (Cl. 238—349)

1. Rail fastening means comprising a tie plate having a spike hole therein, a rail seated upon said tie plate, a resilient clip of spring steel sheet material having its outer end portion seated upon the top of said tie plate and provided with a spike hole, a spike extending through said spike holes and fastening said outer end portion of said clip firmly upon the top of said tie plate against upward movement relative thereto, the inner end portion of said clip being free and resilient and overlying the rail flange to resiliently resist upward movement of the rail relative to the tie plate, said plate having therein an opening spaced inwardly from its spike hole, and said clip having a tongue-like portion depending therefrom at a point spaced inwardly from the spike hole therein and extending into said opening and cooperating



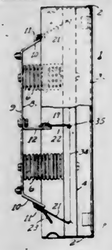
with the portion of the tie plate at the outer side of said opening to interlock the clip with the tie plate at a point spaced inwardly from the spike and outwardly from the edge of the rail flange against upward movement relative to the tie plate, whereby flexure of the clip by upward movement of the rail flange is confined to the said free resilient inner end portion of the clip and the clip is prevented from imposing upwardly directed loosening forces upon the spike.

2,380,992
ELECTRICAL DUST-PRECIPITATOR SYSTEM AND INTERCHANGEABLE PARTS THEREFOR
Edward H. R. Pegg and Ira R. Cummings, Lakewood, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1943, Serial No. 505,466
21 Claims. (Cl. 183—7)



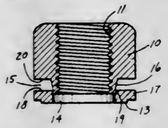
1. An apparatus for an electrical precipitator system of a type described, comprising the combination of a gas-duct for a gas-stream to be cleaned; a plurality of individual substantially similar dust-precipitator units fixedly superposed in a tier in said gas-duct, each comprising a substantially rigid frame, a plurality of plate-electrodes, and means for upstandingly supporting said plate-electrodes inside the associated frame in spaced alternately relatively insulated and uninsulated relation; contiguous frames having substantially fitting, generally horizontally extending, upper and lower open sides; each frame having a pair of open sides, including an upstanding side, through which gas may respectively enter and leave; and means for discharging a cleaning liquid into an upper one of said contiguous frames for treating the plate-electrodes thereof with a liquid, whereby treating liquid can flow downwardly into a relatively lower one of said contiguous frames for treating its plate-electrodes.

2,380,993
ELECTROSTATIC CHARGING STRUCTURE
Elroy W. Yungman, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1943, Serial No. 505,473
8 Claims. (Cl. 183—7)



1. An ionizer structure for an electrical device of a class described, comprising the combination with a casing-frame and insulating means secured thereto; of a support-member supported in insulated relation to said casing-frame by said insulating means, said support-member including an angular member having a leg-portion, said leg-portion having a restraining opening having a boundary terminating at a point between a spaced edge of said leg-portion and the remaining portion of the angular member, said remaining portion having a latching-hole and a restraining opening, and an ionizing-wire supporting arm having a wire-supporting portion and a springy anchoring-portion, said anchoring-portion comprising an arc-part adapted to be forced into the latching-hole and additional arm-parts extending from each end of said arc-part, each of said arm-parts being associated with a different one of said restraining openings, the unsprung transverse height of said anchoring-portion being larger than the corresponding distance of said boundary to said remaining portion, so as to require forcible flexing of said supporting arm to force the arc-part into said latching-hole for locking the arm in fixed position in said member by spring-force.

2,380,994
SELF-LOCKING NUT OR BOLT
Edwin W. Pummill, Indianapolis, Ind.
Application December 11, 1943, Serial No. 513,829
11 Claims. (Cl. 151—19)



1. A clincher locking nut and washer structure comprising a threaded nut at one end of the structure, a washer at the other end of the structure and having an outwardly exposed threadless recess forming a bore and of a diameter greater than that of the nut thread, and a reduced diameter frusto-conical projection on the nut and interposed between the nut and the washer and initially integral with each and having its smaller end at the washer connection thereto, the nut threading being extended into the projection, said smaller end being axially severable from the washer and receivable by the washer bore and progressively compressible into said bore in relative axial movement between the nut and washer for thread gripping purposes.

2,380,995
PREPARATION OF ORGANOSILICON HALIDES
Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 26, 1941, Serial No. 412,459
17 Claims. (Cl. 260—607)

1. The method of preparing organosilicon halides which comprises effecting reaction between silicon and a hydrocarbon halide.

2,380,996
PREPARATION OF ORGANOSILICON HALIDES
Eugene G. Rochow and Winton I. Patnode, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application September 26, 1941, Serial No. 412,460
13 Claims. (Cl. 260—607)

1. The method of preparing organosilicon halides which comprises effecting reaction between a hydrocarbon halide and the silicon component of a solid, porous contact mass obtained by firing under reducing conditions a mixture of powdered silicon and a powdered metallic catalyst for the said reaction.

2,380,997
CONTACT MASSES
Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 26, 1941, Serial No. 412,461
7 Claims. (Cl. 252—225)

1. A solid, porous contact mass adapted to be used in effecting chemical reaction between silicon and a hydrocarbon halide, said mass comprising essentially silicon and a metallic catalyst for the said reaction.

2,380,998
ORGANOSILICON HALIDES
Murray M. Sprung, Scotia, and William F. Gilliam, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1942, Serial No. 433,292
9 Claims. (Cl. 260—607)

1. The method which comprises effecting reaction between heated silicon and a gaseous mixture of hydrogen and an alkyl halide selected from the group consisting of alkyl chlorides and alkyl bromides containing not more than three carbon atoms in the alkyl radical.

2,380,999
PREPARATION OF ORGANOSILICON HALIDES
Murray M. Sprung, Scotia, and William F. Gilliam, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1942, Serial No. 433,293
9 Claims. (Cl. 260—607)

1. The method which comprises effecting reaction at an elevated temperature between silicon and a halogenated hydrocarbon in the presence of an inert gas.

2,381,000
HALOGENATED ORGANOSILICON COMPOUNDS
Winton I. Patnode, Schenectady, N. Y., and Robert W. Schiessler, State College, Pa., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1942, Serial No. 433,328
8 Claims. (Cl. 260—607)

1. An organosilicon compound having the formula

$$X_3Si(CH_2)_nSiX_2Y$$

where X represents a halogen atom, Y represents an atom selected from the group consisting of hydrogen and a halogen atom of the same type as that represented by X and n is an integer and is at least 1 and not more than 4.

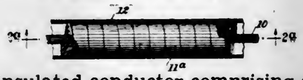
2,381,001
METHOD OF PREPARING TETRACHLOROETHYLENE AND CHLOROSILANES
Winton I. Patnode, Schenectady, N. Y., and Robert W. Schiessler, State College, Pa., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1942, Serial No. 433,329
8 Claims. (Cl. 260—607)

1. The method which comprises effecting reaction between heated silicon and carbon tetrachloride in the presence of a metallic catalyst for the reaction.

2,381,002
CYCLIC ORGANOSILICON COMPOUNDS
Winton I. Patnode, Schenectady, N. Y., and Robert W. Schiessler, State College, Pa., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1942, Serial No. 433,330
4 Claims. (Cl. 260—607)

1. A silicon compound having the formula $(Cl_2SiCH_2)_x$ wherein x is equal to at least 3.

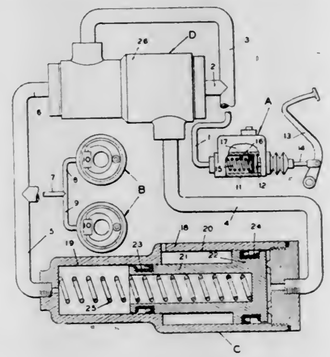
2,381,003
INSULATED ELECTRIC CONDUCTOR
Albert Olen Ryan, River Edge, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 5, 1942, Serial No. 464,633
5 Claims. (Cl. 174—29)



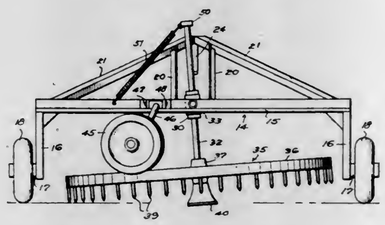
1. An insulated conductor comprising a central conductor and hollow air filled tubular insulating means wrapped around the central conductor in a close lay and a sheathing fitted tightly around the tubular lay, the turns of said tubular lay having a substantially square or rectangular cross section and lying against each other and forming a rigid support for the sheathing.

2,381,004
RATIO CHANGING FLUID PRESSURE SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 11, 1942, Serial No. 468,660
10 Claims. (Cl. 60—54.5)

1. In a fluid pressure system, a source of fluid pressure, a fluid motor, conduit means between the source and the fluid motor, a ratio changing device comprising connected movable members of different areas, means for causing the movable member of smaller area to act on a body of fluid in communication with the motor, means including valve means having a movable valve element for permitting fluid pressure from the source to act on the member of larger area, means for maintaining said valve element of the valve means closed when the fluid pressure from the source is below a predetermined valve, and means for closing the conduit means when said valve means is open, said last named means including means engageable with said first mentioned valve element to urge said last mentioned valve into engagement with its seat to close said conduit means.

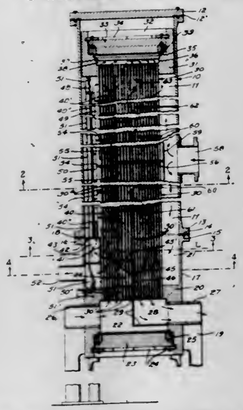


2,381,005
FARM IMPLEMENT
Alfred Schultz and Carl Schultz, Upham, N. Dak.
Application August 22, 1944, Serial No. 550,596
1 Claim. (Cl. 55—13)



In a device of the character described, in combination, a frame, including a transverse member wheels carried by and supporting said frame, a horizontally positioned rotatable member, mounted on an axle, carried by a pivot positioned at substantially the mid-point of said transverse member, said axle extending above said transverse member, and means to engage a portion of said member with the ground on one side of said frame to effect a raking action, said last-mentioned means including a follower wheel rotatable on the rim of said member, and pivotally secured to said frame, and a spring extending between the upper extremity of said axle above its pivot point and an off center portion of said transverse member normally biasing said rotatable member at an angle so that one portion thereof extends toward engagement with the ground.

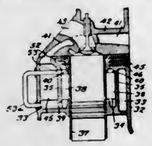
2,381,006
HEAT EXCHANGE DEVICE
Norris A. Scott, Jr., Mountain Lakes, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application October 30, 1941, Serial No. 417,079
8 Claims. (Cl. 257—32)



5. A heat exchanger comprising a shell, a bank of tubes in the shell, longitudinally extending partitioning means in the tube bank dividing it into completely separated first and second laterally disposed tube groups, means for supplying a fluid to the inlet ends of the tubes of the bank for flow therethrough and discharge at the outlet ends thereof, means for supplying a condensible fluid under pressure to the interior of the shell for contact with the tubes of the first tube group, the shell, tubes and associated parts being arranged and disposed so that condensate of the condensible fluid collects in a zone adjacent one end of the tube bank and adjacent the tubes of the first tube group, separate tubular members disposed in the shell adjacent to and at the same side of the partitioning means as the tubes of the second tube group and substantially parallel thereto, said separate tubular members extending to a point adjacent the opposite end of the tube bank of the second tube group, conduit means connecting the zone adjacent said one end of the first tube group with the corresponding ends of said separate tubular members, the pressure of the condensible fluid causing the collected condensate to flow through said separate tubular members to said opposite end portion of the second tube group, and means providing an outlet for the condensate from the shell adjacent said one end of the tube bank and adjacent the tubes of the second tube group, whereby the condensate is caused to flow in contact with those portions of the tubes of the second tube group extending intermediate said opposite end and said one end of the tube bank.

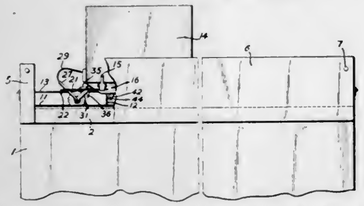
2,381,007
COOLING ARRANGEMENT FOR INTERNAL-COMBUSTION ENGINES
Wilhelm Seyerle, Waldenbronn, near Esslingen-on-the-Neckar, Germany; vested in the Alien Property Custodian
Original application May 14, 1936, Serial No. 79,684. Divided and this application February 8, 1938, Serial No. 189,394. In Germany May 16, 1935.
5 Claims. (Cl. 123—171)

1. In an internal combustion engine, a cylinder adapted to be cooled by a fluid, a jacket surrounding the cylinder for guiding said fluid along it, a cover located upon the cylinder and being likewise cooled by a fluid and taking part in guiding the same at the cylinder, a system of cooling channels provided in the cylinder jacket and in the cylinder cover and being closed on all sides, and accumulations of material in the cylinder jacket and the cover for presenting the lowest possible resistance to the flow of the cooling agent and to the heat to be abstracted, said accumulations being subdivided in the directions of flow of the cooling agent and presenting large surfaces in the subdivided portion, a storage receptacle for



the said cooling fluid and longitudinal ribs and transverse ribs grouped around the cylinder, and an intermediate member separating the longitudinal ribs from said storage receptacle, the longitudinal cooling channels formed between the longitudinal ribs communicating with the transverse cooling channels of the cylinder and with the cooling channels of the cover, and a lower annular channel establishing a connection between the said storage receptacle and the channels located between the longitudinal ribs and an upper annular channel establishing a connection between the longitudinal channels and the channels in the cylinder cover.

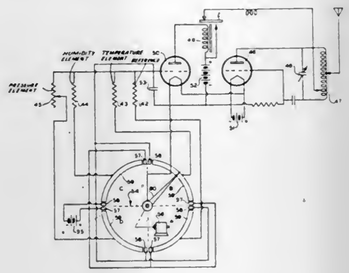
2,381,008
ADVERTISING DEVICE
William Velsen Sharp, Pocatello, Idaho, assignor of fifty-one per cent to Warren S. Meader and nineteen per cent to Phyllis M. E. Sharp, Pocatello, Idaho
Application October 1, 1942, Serial No. 460,466
6 Claims. (Cl. 40—138)



1. The combination with a supporting structure mounted for up-and-down movement, of a carriage mounted thereon, means for guiding the carriage longitudinally of the structure, means operated by the up-and-down movement of said structure for propelling the carriage in a substantially horizontal direction along said structure, and means controlled by longitudinal movement of the carriage for reversing the direction of movement of the carriage.

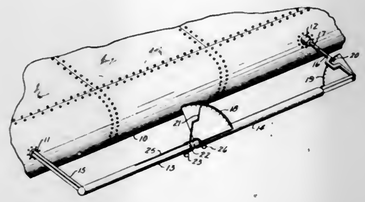
2,381,009
CHRONOMETRIC RADIOSONDE SYSTEM
Joseph A. Siderman, Eatontown, N. J.
Application August 26, 1944, Serial No. 551,410
3 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination in a chronometric radiosonde system comprising a radio frequency transmitter; keying means for said transmitter, a plurality of atmospherically-sensitive resistance elements, a condenser, a source of direct current energy, a rotary switch associated with said energy source, said condenser and said elements in a manner whereby said condenser is periodically charged by said energy and shunted consecu-



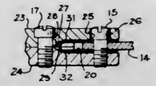
tively by each of said elements, means for rotating said switch at a uniform speed, and means for operating said keying circuit for periods whose durations each commence with maximum condenser charge and end when said condenser is discharged by a particular element to a predetermined level.

2,381,010
GUN ALIGNING DEVICE
William S. Spigelsky, Monessen, Pa.
Application October 20, 1943, Serial No. 506,978
1 Claim. (Cl. 33—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



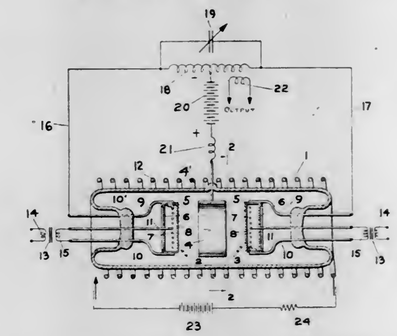
An aircraft gun aligning device comprising a trammel-like device having a trammel bar including coaxial members adjustable axially and rotatably, a trammel rod extending from one of said bar members in fixed constant angularity therewith and adapted to project the axis of a fixed socket, a second trammel rod hinged to the other of said bar members and adapted to project the axis of the bore of a gun, indicator means on one of said bar members and protractor means on the other of said bar members for determining the vertical angular relationship of said hinged rod with respect to said fixed rod, and indicator means on said hinged rod and protractor means on one of said bar members for determining the horizontal angular relationship between said hinged rod and said bar, whereby a gun mounted on an aircraft may be aligned with the axis of a socket fixed in said aircraft in proximity with said gun and with its axis in predetermined alignment with a predetermined line through said craft.

2,381,011
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 7, 1941, Serial No. 377,861
10 Claims. (Cl. 88—53)



1. In an ophthalmic mounting having lens holding rims connected to opposing sides of a bridge, lenses in said lens holding rims, temple supporting means connected to each of the rims, temples connected to said temple supporting means, said temple supporting means each having a slot adapted to receive a temple, pivotal means for connecting the temple to the temple supporting means, unitary interchangeable resilient frictional means adjacent the temple pivotal means adapted to engage opposing sides of the temple and the inner surfaces of the slot where the temple is connected to the temple supporting means, said frictional means comprising an elongated piece of resilient material having an orifice in each end thereof to permit the temple pivotal means to be inserted therethrough and stop means embraced within said temple supporting means to prevent said resilient means from rotational movement about the axis of the temple pivotal means.

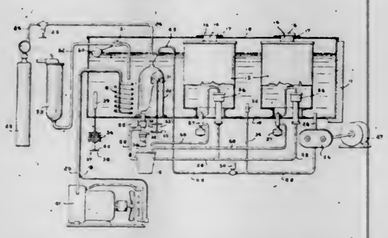
2,381,012
SECONDARY ELECTRON DISCHARGE DEVICE
Paul W. Stutsman, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 3, 1942, Serial No. 425,545
2 Claims. (Cl. 250—174)



1. An electron discharge device system comprising a pair of cathodes and an anode interposed between said cathodes and provided with an opening through which electrons may pass from one cathode to the other, said cathodes during normal operation being at elevated temperatures and provided with active surfaces which at said temperatures are appreciable but relatively poor thermionic emitters with thermionic emission which is substantially smaller than that required to carry the normal load current of said device and also good secondary electron emitters, and an oscillatory circuit connected to said cathodes and anode for producing a cloud of electrons and for oscillating said cloud of electrons between said cathodes through said

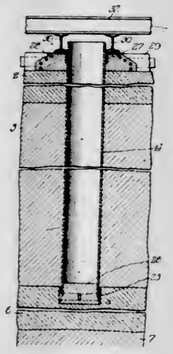
opening with sufficient energy to cause electrons thereof to collide with said cathodes to liberate sufficient secondary electrons therefrom to produce a total electron emission capable of carrying said normal load current, the space between said cloud of electrons and said cathodes being unimpeded to cause said collisions to occur fully.

2,381,013
REFRIGERATION APPARATUS
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1943, Serial No. 509,087
5 Claims. (Cl. 62—141)



1. In combination, a tank for storing water, means for cooling the water in the tank, a carbonator, pump means for supplying water to the carbonator from said tank, means responsive to the liquid level in the carbonator for controlling operation of said pump means, and means including said pump means for agitating the water in said tank.

2,381,014
FOUNDATION AND METHOD OF FORMING THE SAME
Joseph H. Thornley, Evanston, Ill.
Application May 6, 1944, Serial No. 534,408
20 Claims. (Cl. 61—50)

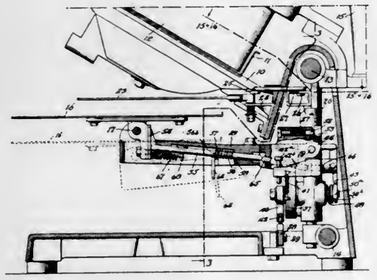


1. Load supporting construction comprising a buoyant shaft extending down into and displacing water saturated strata of insubstantial load supporting value, and resting upon a stratum having some load supporting value and a superimposed structure supported on said shaft at its upper end constituting loading great enough to overcome the buoyancy of said shaft and to hold said shaft in engagement with said stratum.

2,381,015
PROCESS FOR PREPARING PHENYLENE-DIAMINE DERIVATIVES
Harold Von Bramer and Lee G. Davy, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 7, 1943, Serial No. 493,762
12 Claims. (Cl. 260—577)

1. A process for preparing a N,N'-dialkyl-p-phenylenediamine comprising hydrogenating a mixture of a N-alkyl-p-nitroaniline and a compound selected from the group consisting of aliphatic aldehydes and aliphatic ketones, in the presence of a catalyst comprising essentially an intimate mixture of copper oxide, chromium oxide and barium oxide.

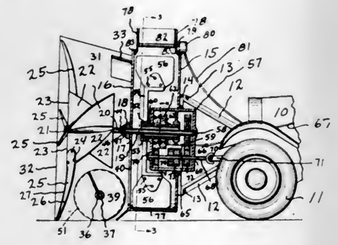
2,381,016
STACKER FOR SLICING MACHINES
John Jacob Waage, Stamford, Conn., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn., a corporation of New York
Application March 28, 1942, Serial No. 436,568
27 Claims. (Cl. 146—94)



21. The combination of a slicing machine having a knife, an object holder movable back and forth with respect to the knife, an adjustable gauge plate for regulating the thickness of the slices, a hanger for movably supporting said object holder, a slice receiving plate, a movable pantographic device for connecting said slice receiving plate to said hanger for moving the slice receiving plate back and forth with respect to the knife in a rectilinear direction simultaneously with the movement of the object holder, and means connected to and controlled by the adjustment of the gauge plate to actuate said pantographic device to lower the slice receiving plate as the slices are stacked thereon, proportioned to the thickness of the cut slice and maintain the slice receiving plate substantially horizontal while descending.

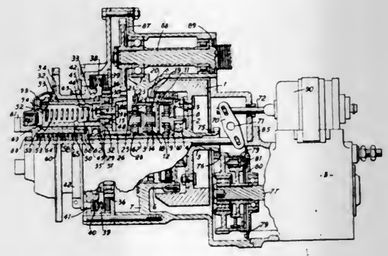
2,381,017
SNOWPLOW
Joseph Wandscheer, Sioux Center, Iowa
Application February 4, 1943, Serial No. 474,634
7 Claims. (Cl. 37—43)

1. A snow plow comprising a cutting member including a substantially horizontal forwardly extending rotating shaft, a plurality of helically pitched blades attached to said shaft for rotation with the shaft, a plurality of cutting blades attached to and extending outwardly from the forward ends of said helically pitched blades, a fan casing, a fan rotatably mounted in said casing,



and means for driving said fan and said cutting blades.

2,381,018
FLYWHEEL STARTER FOR AIRCRAFT ENGINES
Charles Raymond Waseige, Rueil, Seine-et-Oise, France; vested in the Alien Property Custodian
Application June 29, 1940, Serial No. 343,303
In France July 28, 1939
11 Claims. (Cl. 123—179)



1. In a fly-wheel starter for air internal combustion engine comprising a fly-wheel, means for imparting a high speed of rotation to said fly-wheel, a claw adapted to be coupled to the engine to be rotated, a transmission between said claw and said fly-wheel and a torque limiting device interposed in said transmission, coupling means between two members of said transmission rotatably connected respectively to said claw and to said fly-wheel and allowing a relative angular displacement of said two members, and a resilient metal device included in said coupling means, said metal device being mounted to be tensioned under the effect of said angular displacement in the direction corresponding to a faster rotation of the one of said members rotatably connected to the fly-wheel with reference to the other, the degree of tension of said resilient device determining the driving torque applied to said coupling claw.

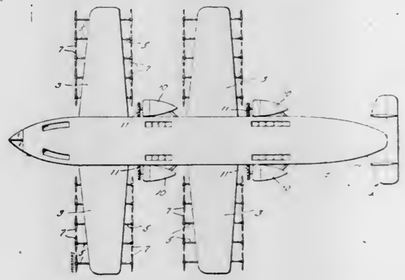
2,381,019
PRESERVED CRAB MEAT AND PROCESS OF PRESERVING
Henry F. Webb, St. Louis, Mo.
No Drawing. Application October 31, 1940, Serial No. 363,787
11 Claims. (Cl. 99—188)

1. The process of preparing crab meat for packaging and heat processing which comprises immersing the meat in an aqueous acid solution and thereby imparting to the meat throughout its mass a pH on the acid side substantially between the range of pH 4.7 and 5.2, and removing the acid solution from the meat, and canning the meat while it is substantially dry.

2,381,020
ANTISTATIC TREATMENT OF VINYL RESIN TEXTILES
Benjamin G. Wilkes, Wilkinsburg, Pa., and Walter A. Denison, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application April 23, 1942, Serial No. 440,246
15 Claims. (Cl. 8—142.5)

4. The process of reducing the tendency of yarns, filaments, fibers, woven, knitted and felted fabrics, and other articles composed of or containing a vinyl resin formed by the polymerization of at least one vinyl compound including a vinyl halide to accumulate charges of static electricity, which comprises applying thereto a composition containing a wetting agent and, as an essential anti-static component, a water-dispersible polyethylene imine having an average molecular weight of at least 300, and subsequently applying to the article an aliphatic aldehyde having not more than six carbon atoms in the molecule.

2,381,021
AIRPLANE
Jacob C. Wood, Duke, Ala.
Application September 24, 1943, Serial No. 503,689
2 Claims. (Cl. 244—60)

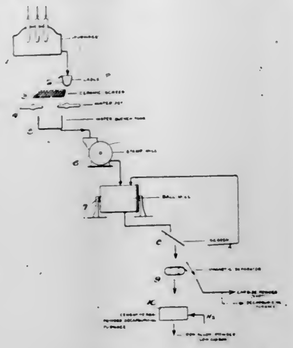


2. An airplane comprising a fuselage, wings mounted on said fuselage, spaced crank shafts mounted in each wing parallel with the longitudinal axis of the fuselage, propellers on said crank shafts, a crank shaft mounted in the fuselage adjacent each side of the latter and parallel with the longitudinal axis of the fuselage, an engine mounted on each side of the fuselage outside the latter and rearwardly of each wing, means operatively connecting said engine to the second-named crank shaft, a rod connecting the second-named crank shaft to one of the first-named crank shafts, and rods connecting said first-named crank shafts for operation in unison.

2,381,022
IRON AND IRON ALLOY POWDERS
John Wulff, Cambridge, Mass.
Application June 4, 1940, Serial No. 338,825
16 Claims. (Cl. 75—28)

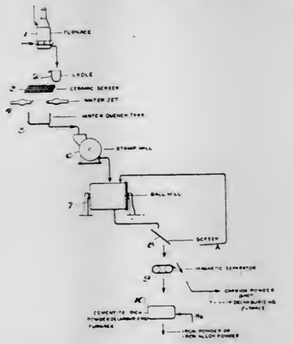
1. A method of producing iron powder for powder metallurgy which comprises forming a brittle

iron of the white cast iron type, distintegrating the material to form carbon-rich and carbon-



poor components, and separating and recovering the components.

2,381,023
APPARATUS FOR PRODUCING IRON ALLOY POWDER
John Wulff, Cambridge, Mass.
Application June 4, 1940, Serial No. 338,827
10 Claims. (Cl. 266—9)

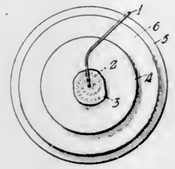


1. An apparatus for producing iron powder and iron alloy powder for powder metallurgy comprising a furnace, a quenching means associated with the furnace to quench and shot a furnace heat, means to disintegrate the shotted material and a magnetic separator adapted to separate the disintegrated material into a carbon-poor powder concentrate and a carbon-rich powder tailing.

2,381,024
PROCESS OF PRODUCING IRON POWDER FROM CHEAP SOURCE MATERIAL
John Wulff, Cambridge, Mass.
No Drawing. Application May 29, 1942, Serial No. 445,084
4 Claims. (Cl. 75—28)

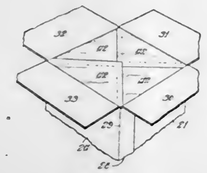
1. A method of producing iron powder from reject metal shot of the gray cast iron type which comprises subjecting the reject fines from said shot to a pickling operation to remove adherent oxides, washing the pickled material, carburizing the cleaned product and subjecting the carburized product to magnetic separation to recover the magnetic constituents.

2,381,025
BLOCKING-LAYER RECTIFIER
Nicolaas Willem Hendrik Addink, Johannes Jacobus Asuerus Ploos van Amstel, and Nicolaas Bos, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application May 29, 1941, Serial No. 395,872
In the Netherlands June 15, 1940
5 Claims. (Cl. 175—366)



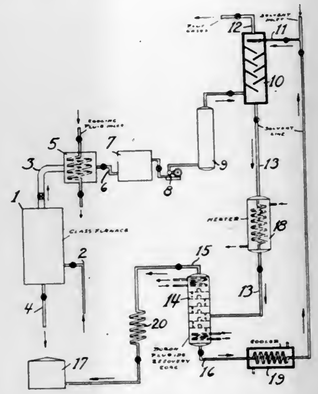
1. A method of connecting a lead to an electrode of a blocking-layer rectifier containing a layer of low-melting-point material, comprising the steps of immersing the contact end of the lead into a heated molten soldering material to form thereon a coating of said soldering material, limiting the quantity and temperature of the soldering material retained by said contact end to prevent damage of the said layer by the heat transmitted thereto upon applying said contact end to the electrode, and applying said coated contact end to the electrode to adhesively fasten the same to the electrode.

2,381,026
LINED CARTON
William H. Arthur, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application December 26, 1942, Serial No. 470,143
7 Claims. (Cl. 229—14)



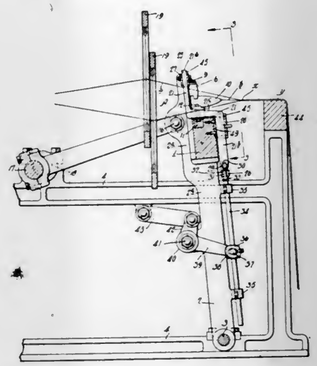
1. In combination, a tubular paperboard carton capable of being collapsed into substantially flat form along two oppositely disposed longitudinal fold lines in the side wall thereof, and an inner bag of flexible sheet material having a bottom portion substantially conforming in size and shape to the inside configuration of said carton in expanded condition and adapted to lie substantially in a plane perpendicular to its side wall, said bag being disposed within said carton with its side wall secured to each panel of the side wall of said carton so that said bag wall lies adjacent to all of said panels over most of their area when said carton is expanded, said bag and carton side walls being unsecured in the areas defined by the bottom edge of said carton side walls and lines diverging downwardly and outwardly from a point on each of said fold lines above said bottom edge a distance sufficient to permit collapsing of said bottom portion of said bag when said carton is collapsed.

2,381,027
PROCESS FOR RECOVERING BORON FLUORIDE
Emile L. Baldeschwieler, Cranford, and Peter J. Gaylor, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 21, 1941, Serial No. 384,484
4 Claims. (Cl. 23—205)



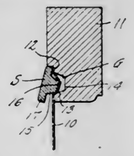
1. Process for recovering boron fluoride from gases evolved in the production of boron containing glass, which comprises cooling the gases to a substantially lower temperature, removing the carbon dioxide and sulfur trioxide therefrom by treatment with anhydrous lime, contacting the remaining gases under pressure with a solvent which has a preferential solubility for boron fluoride as compared with other constituents of the gases, and separating the absorbed boron fluoride from the solvent.

2,381,028
LAY MOTION FOR LOOMS
Robert J. Bartholomew, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 2, 1943, Serial No. 489,407
17 Claims. (Cl. 139—188)



1. In a loom including a laterally horizontally reciprocable lay beam and a shuttle operable lengthwise thereof to place weft threads in open warp sheds formed of warp threads extending transversely across said beam, a reed comprising vertically reciprocable blades disposed in planes transverse to said beam and spaced apart longitudinally thereof for passage of said warp threads between said blades, forward edges of said blades when the lay is in rearward position being aligned in a plane adjacent the plane of movement of the forward edge of said shuttle below the path of movement of the shuttle lengthwise of the lay and adapted to rise on a forward movement of the lay to beat-up said wefts at the fell of a fabric formed of said warps and wefts.

2,381,029
METHOD AND MEANS FOR SUPPORTING SCREEN CLOTH
Forrest F. Beil, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application May 11, 1943, Serial No. 486,535
2 Claims. (Cl. 160—395)



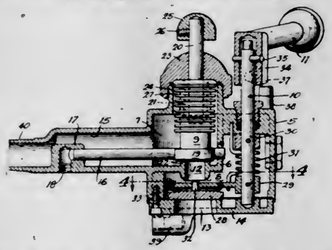
1. The combination of a sheet of screen cloth or the like, with means for holding it, said means comprising a support, having a groove, and having in one face of the groove a rabbet and a holder strip pressing the cloth into the groove, said strip having a portion substantially fitting the groove and a flange fitting in the rabbet.

2,381,030
SHEET METAL SEAM OR JOINT
Hubert E. Blackburn, Los Angeles, Calif.
Application April 27, 1942, Serial No. 440,679
4 Claims. (Cl. 189—36)



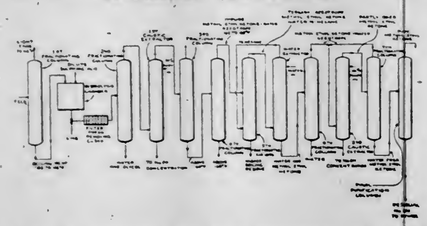
2. In a seam for joining the abutting edges of two sheets of metal, the combination of a plurality of spaced hook tabs formed on each of said abutting edges, the hook tabs of each of the sheets being receivable in the spaces between the hook tabs of the other sheet, the hook tabs of each sheet having an offset substantially equal to the thickness of the other sheet at their point of juncture with the abutting edge of the sheet, which offset forms a shoulder engageable by the abutting edge of the other sheet, the hook tabs having portions extending from said offset in a direction parallel to the sheet, in a manner to be engageable with the opposing face of the other sheet, and the tabs terminating in reversely bent hook portions adapted and shaped to define, in cooperation with the hook portions of the tabs on the other sheet, a guideway of elongate cross-sectional form for a locking key, and a locking key embodying a transversely bent strap nonrotatably engageable but longitudinally slidable in said guideway, said transversely bent strap being adapted to be somewhat flattened and spread subsequent to insertion in said guideway, whereby the said shoulders on each sheet are drawn tightly against the abutting edges on the other.

2,381,031
STERILE DRAWOFF FAUCET
Floyd A. Blashfield, Madison, Wis., assignor, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
Application May 3, 1944, Serial No. 533,941
10 Claims. (Cl. 277—20)



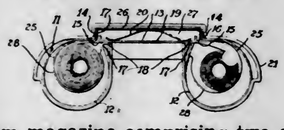
1. A faucet of the class described comprising a housing partitioned to provide two chambers connected by an opening through said partition, separate inlet conduits connected to said chambers, said housing having an outlet leading from one of said chambers, valves controlling said partition opening and said housing outlet, and a handle mounted on said housing operable to unseat said valves for opening communication between the other of said chambers and said housing outlet.

2,381,032
SEPARATION OF ORGANIC COMPOUNDS
Joseph E. Bludworth and Guiles Flower, Jr., Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application August 6, 1943, Serial No. 497,634
10 Claims. (Cl. 202—42)



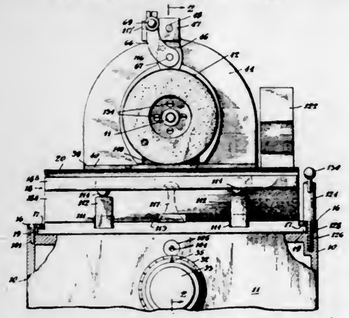
1. In a process for the recovery of purified methyl ethyl ketone from an impure aqueous solution containing methyl ethyl ketone, the steps which comprise distilling the aqueous solution of methyl ethyl ketone together with a liquid aliphatic hydrocarbon so as to form a heterogeneous ternary azeotrope comprising water, methyl ethyl ketone and the aliphatic hydrocarbon, extracting the ternary azeotrope with water, distilling the extractant and removing the water from the distillate.

2,381,033
FILM MAGAZINE
Jacques Bolsey, New York, N. Y.
Application December 7, 1943, Serial No. 513,256
10 Claims. (Cl. 95—31)



1. A film magazine comprising two closed film compartments, one for the unexposed and the other for the exposed film coil, a channel-shaped open connecting member having a U-shaped cross section and secured to both film compartments holding them spaced from each other so as to form between said film compartments a space into which fits a camera body, and a spring operated pressure plate arranged within said open channel-shaped connecting member at the bottom of the same with its operative pressing surface facing said space between said film compartments and pressing against said camera body when said film magazine is in operative position with said camera body inserted in said space between said film compartments and projecting into said channel-shaped open connecting member, said resilient pressure plate being arranged in said channel-shaped connecting member substantially in a plane tangential to the outermost windings of the film coils in said film compartments, and means holding said resilient pressure member within said channel shaped connecting member.

2,381,034
GRINDING MACHINE
Walter Mark Bura, Orange, N. J., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 4, 1942, Serial No. 433,313
26 Claims. (Cl. 51—100)

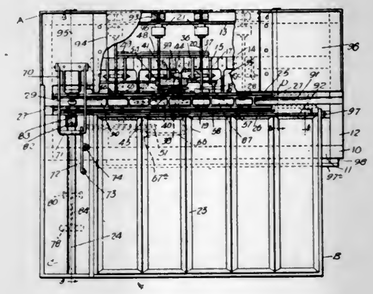


18. In an apparatus for guiding tools and the like, the combination of a grinding wheel, means forming a plane working surface positioned beneath and at an angle to the face of said wheel, an angularly adjustable tool holder, a projecting tongue mounted on the side of said tool holder, a rake grinding fixture having opposed parallel faces, adapted to be mounted with one of said parallel faces on said working surface, means for holding said rake grinding fixture on said working surface in a predetermined position relatively to said grinding wheel, the other parallel surface of said grinding fixture being formed with a groove parallel to the face of the grinding wheel adapted to slidably receive the tongue on the side of said tool holder, and clamping means for holding a tool in said tool holder in such a manner that sliding movement of said tool holder in said rake grinding fixture moves the top of said tool along the face of said grinding wheel.

2,381,035
EGG GRADING MACHINE
John Stewart Campbell and William Brown, Melbourne, and George Alexander Douglas, Mount Brydges, Ontario, Canada
Application December 8, 1942, Serial No. 468,230
9 Claims. (Cl. 209—121)

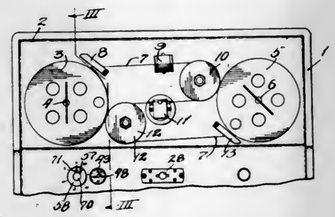
9. A grading machine for eggs or the like comprising a frame, a plurality of scales on said frame

spaced apart from one another, each having a scale pan aligned with that of adjacent scales, an egg carrying means for transferring eggs from pan to pan including a pair of spaced apart members disposed to straddle the pans and movable in a horizontal and vertical direction relatively to the pans, a carriage for said egg transferring means including a vertically and horizontally



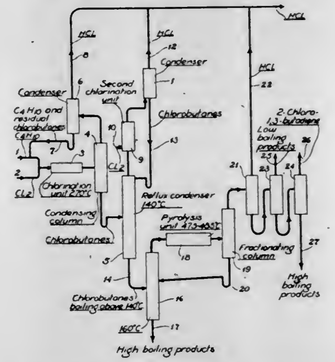
movable member, said carriage having grooved guide rollers connected thereto and a vertically movable track member parallel to said vertically and horizontally movable member engageable by said rollers of the carriage to guide the latter in slidable relation regardless as to the vertical location of said carriage, and means for causing the one member to move vertically and horizontally and the other member to move vertically.

2,381,036
SAFETY TIMING MECHANISM FOR MAGNETIC RECORDERS
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application August 10, 1942, Serial No. 454,215
6 Claims. (Cl. 161—1)



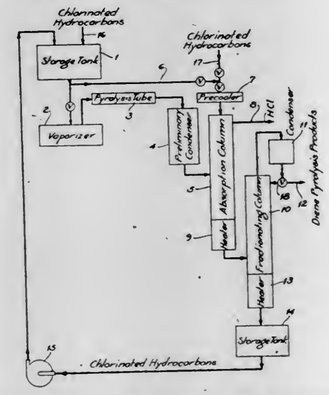
1. In a timing mechanism, a driven member having an opening therein, an adjustable member, a pin on said adjustable member in line with said opening, and resilient means urging said members together, said pin bearing against the driven member until said opening is reached when the pin enters the opening and locks the driven member to the adjustable member and a spring held shield carried by said driven member and normally overlying said opening, said shield being held back against movement of said driven member by said pin until the pin engages in the opening.

2,381,037
PROCESS FOR THE MANUFACTURE OF CHLOROBUTADIENES FROM BUTANE
Albert S. Carter and Frank Willard Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 26, 1940, Serial No. 362,976
4 Claims. (Cl. 260—655)



1. A process for preparing monochloro-1,3-butadienes from butane, which comprises subjecting butane to direct chlorination until the chlorinated butane mixture contains from 56% to 66% chlorine, fractionating the resulting mixture of chlorobutanes, and subjecting the chlorobutane fraction boiling between 140° and 160° C. to pyrolysis at a temperature of from approximately 400° to 500° C., whereby a portion of said chlorobutane fraction is converted to monochloro-1,3-butadienes.

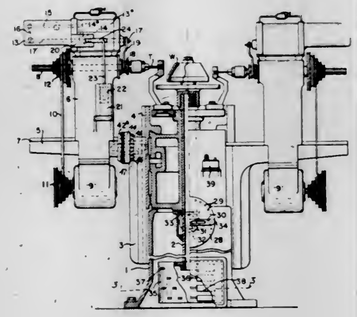
2,381,038
SEPARATION PROCESS
Albert S. Carter and Albert V. Willett, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 23, 1941, Serial No. 394,822
9 Claims. (Cl. 260—655)



1. Process which comprises continuously producing hydrogen chloride and a conjugated diene of the formula $C_4H_{(6-x)}Cl_x$ wherein x is a small whole number of the group consisting of 0 and 1 by pyrolyzing, in a pyrolysis zone, at least one chlorinated straight-chain hydrocarbon of the

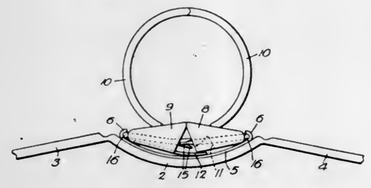
formula $C_4H_{(6+n-x)}Cl_{(n+x)}$ wherein x is the same as above and n is a small whole number of the group consisting of 1 and 2, continuously passing the gases from the pyrolysis zone into an absorption zone, continuously passing more chlorinated straight-chain hydrocarbon, of the above formula, in the liquid phase into said absorption zone, continuously venting gaseous hydrogen chloride from said absorption zone, continuously passing the liquid phase from said absorption zone into a fractionating zone, continuously removing the said conjugated diene in the vapor phase from said fractionating zone, continuously withdrawing the non-vaporized liquid from said fractionating zone, and continuously recirculating the non-vaporized liquid to the pyrolysis zone.

2,381,039
MULTIPLE DRILLING MACHINE
Ivan F. Churchill, Fayetteville, N. Y.
Application June 10, 1944, Serial No. 539,694
2 Claims. (Cl. 77—26)



1. In a universal drilling machine, the combination with a work support indexible about an axis, a plurality of carriages, tool spindles rotatably mounted in the carriages and shiftable axially therein to feed the tools radially relatively to the axis of the work support into and out of the work, means for rotating each of the spindles individually, means for shifting each of the spindles axially including a reversible motor, one motor for each spindle, and a control member for each motor, and mechanism operable to index the work about its axis; of a formula element, connections between the indexing mechanism and the formula element to shift the latter during each indexing operation, the formula element having rows of active portions arranged to be brought successively into operating position during the indexing operation, the active portions of each row being arranged in accordance with the pattern of holes to be drilled by the tools, and shiftable members, one for each reversible motor control member, located to coact with the active portions, respectively, of the rows of the formula element, to be actuated thereby when the active portions come in register with the shiftable members, an actuator for each reversible motor control member, and connections between each shiftable member and the actuator for the control members respectively for controlling the operation of the control members.

2,381,040
LOOSE-LEAF BINDER
George H. Dawson, Needham, Mass., and Paul O. Unger, Elmhurst, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application September 2, 1943, Serial No. 500,879
4 Claims. (Cl. 129—24)

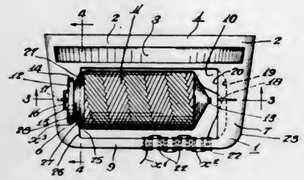


1. In a loose leaf binder, a pair of wood ring carrying plates, a spring clamp embracing the outer longitudinal edges of said ring carrying plates, and a pin secured to each of said plates, said pins having their inner ends engaged to permit a toggle motion by said plates.

2,381,041
PRODUCTION OF SATURATED HYDROCARBONS
Johan Jacob de Jong, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 21, 1939, Serial No. 305,498. In the Netherlands November 22, 1938
12 Claims. (Cl. 260—683.4)

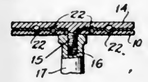
4. A process of alkylating an isoparaffin which comprises contacting said isoparaffin and a neutral polyalkyl ester of a polybasic mineral acid with concentrated sulphuric acid and correlating the amount and concentration of sulphuric acid, the reaction temperature and time, and the proportion of isoparaffin and ester to effect alkylation of the isoparaffin by said ester as the principal reaction in the process.

2,381,042
SHUTTLE
John Kyle Dudley, Philadelphia, Pa.
Application November 20, 1943, Serial No. 511,135
8 Claims. (Cl. 139—199)



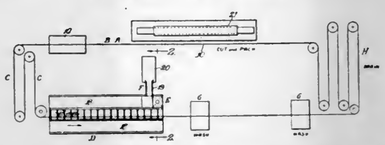
1. A narrow fabric loom shuttle having a bobbin-receiving recess formed between transverse end walls spaced apart longitudinally of the shuttle, one of said end walls having a complementary recess formed therein for receiving a disc-like head on one end of the bobbin, and a relatively thin-edged rib-like projection on said wall in a transverse plane intermediate said recesses and adapted to engage one face of said head between said face and an adjacent end face of a body of thread wound on said bobbin.

2,381,043
SAFETY RAZOR
Louis Frank, Fellows, Calif.
Application April 19, 1944, Serial No. 531,687
4 Claims. (Cl. 30—70)



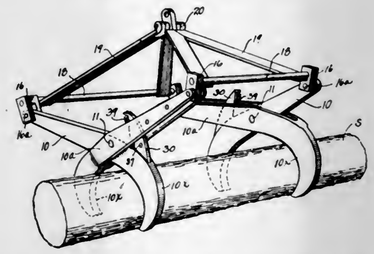
1. In a safety razor, a holder comprising a pair of plates, a blade adapted to be positioned between said plates and pairs of interengaging studs and recesses on the contacting faces of said plates and blade between the centers and ends thereof.

2,381,044
POULTRY HANDLING METHOD
Chester B. Franz, Brentwood, Mo., assignor of one-half to Barker Poultry Equipment Company, a corporation of Iowa
Application May 11, 1943, Serial No. 486,514
1 Claim. (Cl. 17—45)



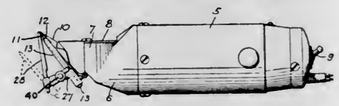
A method of handling poultry which consists in hanging the birds at spaced intervals, advancing the birds and eviscerating each bird while additionally separately supported for advancement at the same speed for a stretch of travel for convenient evisceration.

2,381,045
TONGS
John A. Gammel, Seattle, Wash., assignor to Isaacson Iron Works, Seattle, Wash., a corporation of Washington
Application April 14, 1944, Serial No. 531,019
5 Claims. (Cl. 294—110)



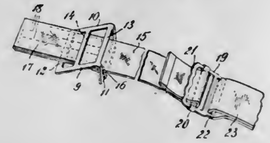
1. Tongs of the character described comprising crossed, pivotally joined levers having lower end jaws designed to cooperatively grip an object that is to be lifted and having connections at their upper ends with lifting means through which a lifting operation causes jaw closing forces to be applied to the levers, and whereby the jaws will be moved to a fully opened position when the tongs, with jaws in open position, are brought to rest upon an object and the weight of the tongs is unsustained by the lifting connections; and an automatic latching mechanism for retaining the jaws at a predetermined, partially open position for their application to an object; comprising a one direction latch gear mounted on the outer portion of one of the pivoted levers, a stop and a pawl mounted on the inner portion of the other lever; the pawl being operable with each complete opening of the jaws to rotatably advance the latch gear for the holding engagement therewith by the stop with alternate complete opening operations.

2,381,046
COMB ATTACHMENT FOR HAIR CLIPPERS
Adelmo Giorgi, Highwood, Ill., assignor of one-third to Battista Pasquasi, Highwood, and one-third to Charles E. Worsfold, Wilmette, Ill.
Application August 30, 1944, Serial No. 551,868
18 Claims. (Cl. 30—201)



1. In combination with a hair clipper having a clipper head including a fixed comb plate, and a vibratory clipper plate thereon; a comb attachment comprising a supporting member; and means for pivotally mounting a comb on said supporting member for sliding movement flat against the scalp for guiding the clipper thereon, whereby said clipper is adapted to be tilted with respect to said comb for predetermining the length of hair removed by said clipper head.

2,381,047
FASTENING DEVICE
John T. Glekler, Cleveland, Ohio, assignor to Air Reduction Company, Incorporated, a corporation of New York
Application November 18, 1943, Serial No. 510,757
7 Claims. (Cl. 24—77)

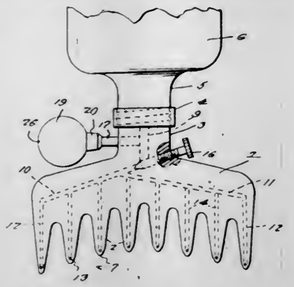


1. In a quick release fastening device, a hook, a fastening element having end bars, side bars of angular shape having apex portions, spaced transverse bars extending between the side bars and intermediate of the end bars, at least one of the transverse bars being connected between the apex portions of the respective side bars to serve as the hook-engaging portion of the fastening element, and a strap secured to the end bar adjacent the one last-mentioned transverse bar and projecting between the other end bar and the transverse bar adjacent thereto to a point some distance beyond the other end bar thereby to form a tab which may be easily grasped to effect the release of the fastening element from the hook.

2,381,048
APPLICATOR
Arne Habostad, Fairbanks, Alaska
Application February 18, 1944, Serial No. 522,996
1 Claim. (Cl. 132—13)

An applicator for attachment to a bottle having a threaded neck comprising an elongated body adapted to extend crosswise of the mouth of the bottle, an internally threaded attaching neck

extending centrally from one side of the body for turning onto the neck of the bottle, and provided with an axial bore extending into said body, a row of teeth extending from the other side of said body, ducts extending into said teeth and in communication with the first-mentioned duct, the



ducts in the teeth opening onto the sides of the teeth adjacent the tips thereof, and manipulative means to introduce air under pressure into the duct first mentioned including a valved compressible bulb, the valve of said bulb comprising a push button within the bulb operative by compression of the bulb against the same to open said valve.

2,381,049

PRESERVATION AND FIREPROOFING OF WOOD

Richard Newton Hammond, Longview, Wash., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware

No Drawing. Application March 18, 1939, Serial No. 262,660

6 Claims. (Cl. 117—59)

1. The method of impregnating wood which comprises treating the wood with liquid water at a temperature above about 120° F. for a length of time sufficient to increase substantially the moisture content of the wood cells, and, while the moisture content of the wood cells is substantially increased, immersing the wood in a water solution of the material with which the wood is to be impregnated, and permitting the water solution of the impregnating material to diffuse into the cells of the wood.

2,381,050

FRACTURE REDUCING DEVICE

Mervyn G. Hardinge, Loma Linda, Calif.

Application December 4, 1943, Serial No. 512,881

6 Claims. (Cl. 128—92)



1. In a fracture reducing device, a body member adapted to be inserted into a bore formed in the bone fragments, comprising an elongated cylindrical member having its inner end laterally expandable to engage the walls of the bone bore and having its exterior surface at said inner end provided with screw threads, means extending through said body member and adapted to be accessible from the exterior of the distal bone fragment for expanding said inner end into anchored relation in the proximal fragment, a nut member comprising a sleeve extending along and threaded upon said body member, a nut member comprising a sleeve extending along and threaded upon said body member and having a head at its outer end adapted to bear against the exterior of said distal fragment for drawing said anchored proximal fragment into abutment with said distal fragment, and means interengaging said body member and said nut member when said nut member is unscrewed a predetermined distance along said body member to prevent further unscrewing of said nut member, whereby further turning of said nut member will unscrew the members from the bone as a unit.

2,381,051

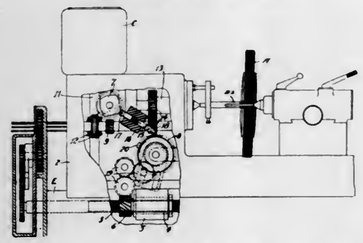
THREAD GRINDING MACHINE

Stanley Jaffa Harley and John Ernest Wainwright, Coventry, England

Application August 14, 1942, Serial No. 454,862

In Great Britain November 7, 1940

6 Claims. (Cl. 51—95)



4. A machine for producing relief in screw-thread taps and dies, said machine comprising a work-head adapted to support and rotate the work-piece, means for traversing said head in a direction parallel with the rotational axis of said work-piece, thread-forming means for producing a screw-thread on the lands of said work-piece, and mechanism for varying the speed of the traversing motion of said head relatively to the speed of rotation of said work-piece, said mechanism comprising a toothed ratchet element, a cam, a pawl actuated by said cam and actuating said ratchet element, and means for operating said cam.

2,381,052

GLYCEROL FERMENTATION PROCESS

Howard M. Hodge, Linthicum Heights, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., a corporation of Delaware

No Drawing. Application February 13, 1940, Serial No. 318,705

6 Claims. (Cl. 195—38)

5. A glycerol fermentation process, which comprises growing a yeast crop in a low sugar mash with aeration, greatly increasing the sugar concentration of the mash and discontinuing aeration, adding material of the group consisting of ammonia and ammonium salts non-toxic to yeast in amount sufficiently in excess of the nutrient requirements of the yeast to promote the formation of glycerol, and maintaining the pH of the fermentation solution between pH 6 and pH 7 by addition of one or more non-toxic neutralizers.

2,381,053

PROCESS OF TREATING MAGNESIAN ORES AND MINERALS

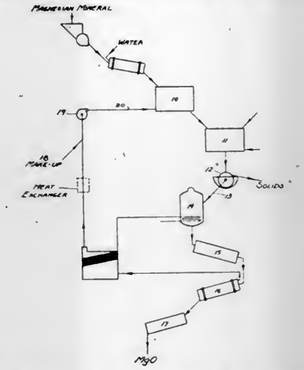
Gordon C. Holmes, Los Angeles, Calif.

Application April 4, 1942, Serial No. 437,663

2 Claims. (Cl. 23—201)

1. A continuous method of producing magnesium oxide from magnesian ores, comprising:

forming a suspension of magnesian minerals in finely divided form in an aqueous medium, said suspension containing magnesian minerals in amount sufficient to supply 1 part of magnesium oxide to 10 to 14 parts of aqueous medium, by weight; passing sulfur dioxide into the suspension at the rate of 1 mol for each mol of magnesium oxide in said suspension and at a rate not materially in excess of that at which sulfur dioxide may be absorbed by the suspension to maintain the suspension at a pH of not less than 6, whereby said suspension is converted into a suspension of magnesium sulfite; solubilizing the



sulfite suspension thus produced by passing air therethrough; removing solids from the solubilized suspension; evaporating the filtrate in the absence of foreign solids; drying the evaporated filtrate and separately calcining the dried magnesium sulfate in the absence of foreign solids under mildly reducing conditions to produce magnesium oxide whereby gases discharged from the calcining zone contain sulfur dioxide without appreciable quantities of sulfur trioxide, carbonyl sulfide and elemental sulfur; and recycling the gases containing sulfur dioxide generated during calcination into repeated contact with further suspensions of magnesian minerals.

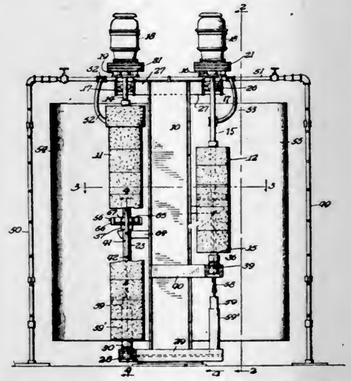
2,381,054

VEHICLE WASHING APPARATUS

Louis D. Holmes, Blue Island, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application July 31, 1943, Serial No. 496,879

5 Claims. (Cl. 15—53)



1. In a vehicle washing apparatus, the combination with a vertically extending rotary motor-driven brush adapted to engage one side of the vehicle and a brush-supporting structure pivoted for deflection horizontally in opposite directions from a normal central position by the engagement of the vehicle with the brush, of a member on the axial portion of the structure and for horizontal swinging movements therewith, a stud swiveled in said member to rotate in a plane transverse to the swinging movements of the member, a weight for retracting the structure and the brush, a cable having one of its ends fixedly secured to the stud and its other end connected to the weight, for lifting the weight when the brush is shifted in opposite directions from its central position for automatic retraction of the brush to its central position by the weight from its off-center positions, and stationarily supported guide means for and on opposite sides of the cable and closely adjacent the stud.

2,381,055

PURIFICATION OF GLYCERIN

Howard E. Hoyt, Stamford, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware

Application May 18, 1943, Serial No. 487,444

5 Claims. (Cl. 260—637)

1. The method of purifying a concentrated glycerin solution obtained from fermentation residues and containing free acids and saponifiable matter, which comprises digesting such concentrated glycerin solution with sulphuric acid at a temperature sufficiently high to cause the sulphuric acid to react with contaminants present in the glycerin solution, mixing the resulting solution with a sufficient amount of an alkaline-earth metal compound to neutralize free acid present and to saponify combined acids, adding sulphuric acid to the solution of such neutralization and saponification treatment to precipitate alkaline-earth metal present as the sulphate, separating the precipitated sulphate, subjecting the remaining solution to an anion adsorbing resin to eliminate acid present therein, and finally distilling the solution to recover glycerin free from acid and saponifiable matter.

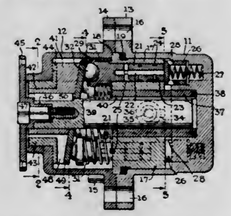
2,381,056

PUMP

Matthew W. Huber, Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company, a corporation of New Jersey

Application October 19, 1942, Serial No. 462,563

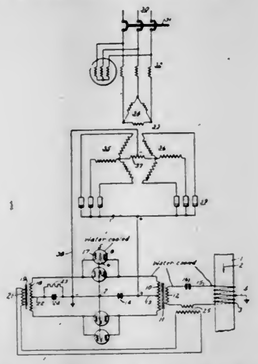
18 Claims. (Cl. 103—5)



1. The combination of a rotary swash plate; thrust and radial bearings supporting the swash plate; means forming a plurality of pump cylinders substantially parallel with the axis of rotation of the swash plate and arranged in circular series around said axis; plungers in said cylinders, each plunger having a thrust head adapted to be actuated by the swash plate; and a housing enclosing said swash plate and plunger heads, there being supply passages which lead from the point

of supply to the interior of the housing and communicate with the contact area between said swash plate and said thrust and radial bearings, and intake ports leading from the interior of the housing to said pump cylinders.

2,381,057
OSCILLATOR CIRCUIT FOR INDUCTIVE HEATING
John A. Hutcheson, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1942, Serial No. 464,663
6 Claims. (Cl. 250—36)



1. Oscillation-generator apparatus for energizing a variably loadable, variable-inductance work-coil, said apparatus comprising the combination, with said work-coil, of oscillator-tube means operating in the frequency-range between 20 kilocycles and 500 kilocycles per second, and having an input tube-controlling circuit and an output power-delivering circuit, a magnetizable-core output transformer having a primary winding portion and a secondary winding-portion, the primary winding-portion being serially included in the output-circuit of the oscillator-tube means, a variable high-voltage source of unidirectional-current power for the oscillator-tube means, the work-coil being energized in a secondary circuit including said secondary winding-portion, a tank-circuit capacitor serially included in circuit with one of the winding-portions of said magnetizable-core output-transformer for controlling the oscillation-frequency in a manner such that the frequency varies with the load-condition of the work-coil, and means for providing an energy-feedback from the power-output of the oscillator-tube means to the input tube-controlling circuit.

2,381,058
THERMOCOUPLE
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 9, 1941, Serial No. 422,264
6 Claims. (Cl. 136—4)

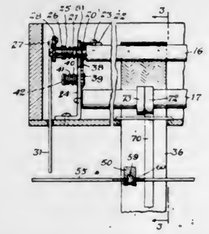


3. In combination with a temperature measuring element comprising a plurality of wires joined at one end, a plurality of pieces of rigid insulating material surrounding said wires with a space between each of said pieces, and washers of a resilient, heat resisting, and non-conducting material surrounding said wires between said pieces of insulating material whereby none of the wire is exposed.

2,381,059
SYNTHETIC RUBBER COMPOSITION
Paul C. Jones, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1942, Serial No. 467,907
18 Claims. (Cl. 260—79)

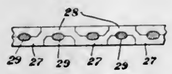
1. The method of vulcanizing a rubbery material made by the polymerization of a butadiene-1,3 hydrocarbon with a compound containing a single ethylenic double bond which comprises heating it in the presence of sulfur and a 2-mercaptothiazoline, and in the presence of a member of the class consisting of monocarboxylic acids and their salts with metals capable of forming activating oxides, and in the absence of more than the stoichiometric amount of activating metallic oxides sufficient to react with the acidic constituents of the composition during its vulcanization.

2,381,060
VENETIAN BLIND STRUCTURE
Lewis I. Kahn, Jamaica, N. Y.
Application May 11, 1944, Serial No. 535,065
9 Claims. (Cl. 160—170)



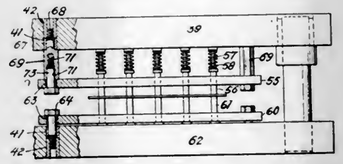
1. In a Venetian blind having a plurality of slats having openings therein and tapes supporting said slats said tapes being joined by cross members, of means for positioning said slats, said means comprising a member adapted to be fastened to one of said cross members and having a stud therein releasably engaging one of said openings in one of said slats.

2,381,061
FLEXIBLE PLASTIC SHEET
Heinz E. Kallmann, Boston, Mass.
Application August 11, 1943, Serial No. 498,183
6 Claims. (Cl. 28—78)



1. As an article of manufacture, a flexible sheet consisting of at least two types of visibly contrasting flexible filaments of plastic material being compressed into a homogeneous flexible plastic sheet being smooth on both faces and having a textile pattern composed of said visibly contrasting flexible plastic filaments.

2,381,062
PUNCH AND DIE MOUNTING
Frank K. Kirsch, Detroit, Mich., assignor to Wales-Strippit Corporation, North Tonawanda, N. Y.
Application June 30, 1943, Serial No. 492,797
26 Claims. (Cl. 164—90)

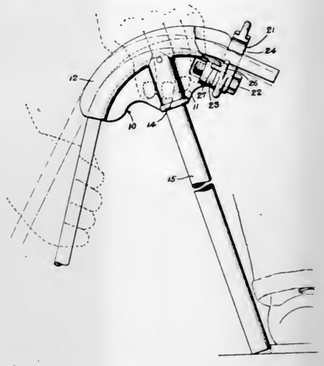


1. A method of mounting pairs of punch and die plates of various sizes on a die set, which includes accurately forming in the punch holder and die shoe of a die set a plurality of groups of round locating holes, the holes of each group of a pattern being spaced at accurate uniform distances from each other, forming in each of said punch and die plates locating holes spaced from each other in identical spaced relationship with at least one group of locating holes in said die set and arranged so that when said holes of the punch plate are in axial alinement with the holes in the die plate, the punches and dies on said plates will also be in axial alinement, and mounting said plates on said die set with the holes of said plates in axial alinement with the selected group of holes of said die set.

2,381,063
VULCANIZING AGENT
Frederick E. Küng, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 7, 1942, Serial No. 442,085
1 Claim. (Cl. 260—83)

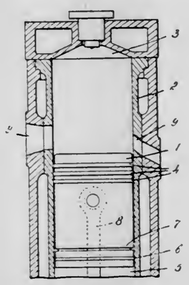
The process of vulcanizing polymerized glycol monoacrylate which comprises dispersing therein octamethylene diisocyanate.

2,381,064
PIPE BENDER
Jacob W. Lewin, Oak Park, Ill.
Application March 1, 1943, Serial No. 477,498
3 Claims. (Cl. 81—15)



1. A pipe bender comprising, in combination, a body member having an arcuately-shaped edge provided with a groove to receive the pipe, a gravity hook eccentrically pivoted to said member at one end of said groove for swinging movement on an axis in the plane which bisects the width of said groove and substantially parallel to a tangent to said groove at said one end, said hook being movable about said axis selectively into open position immediately at one side of said groove to permit insertion or removal of the pipe or into closed position in alinement with said end of said groove to retain the pipe therein, the center of gravity of said hook being located at one side of said plane whereby to cause said hook normally to drop into open position when said bender is held with said groove facing upwardly, a finger projecting from said hook generally laterally of said member and adapted for manual engagement to swing said hook, a lug on said hook adapted for engagement with one side of said body member to prevent over-travel of said hook in one direction beyond said closed position, and a lug on said finger adapted for engagement with the other side of said body member to define said open position.

2,381,065
PISTON FOR TWO-STROKE INTERNAL-COMBUSTION ENGINES
Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application August 6, 1943, Serial No. 497,667
In Switzerland October 24, 1942
2 Claims. (Cl. 123—65)

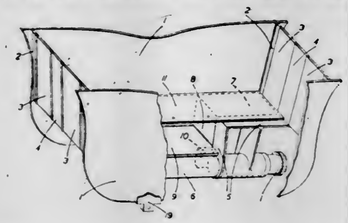


2. In an internal combustion engine having inlet and exhaust ports in the cylinder, the combination with the cylinder which comprises a piston having an oil scraper ring near the lower portion thereof, two grooves in the exterior wall of the piston and spaced a short distance above the oil scraper ring, said grooves being located on the sides of the plane of oscillation of the connecting rod and being so located on the piston that the grooves do not reach the said ports during travel of the piston.

2,381,066
FOLDING PERAMBULATOR
Lawrence Eugene Little, Epsom, England
Application March 24, 1944, Serial No. 527,889
In Great Britain August 14, 1942
3 Claims. (Cl. 280—42)

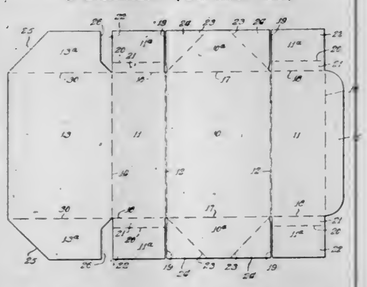
1. A perambulator including a collapsible body comprising rigid sides, foldable end sections hingedly connected with the sides, a longitudinal support, seat sections slidable on said support and hingedly connected with said end sections respectively, bottom sections hingedly connected with said sides respectively along their outer edges and their inner edges capable of resting

on said support, and additional foldable seat sections arranged between the end and bottom sec-



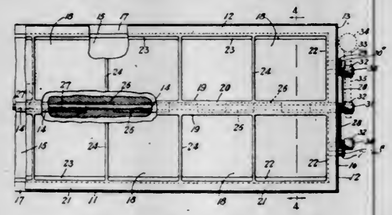
tions and hingedly connected with the bottom sections respectively to combine with said first seat sections to complete the seats.

2,381,067
CONTAINER
Roy E. Lowey, Evanston, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application July 1, 1943, Serial No. 492,982
3 Claims. (Cl. 229—33)



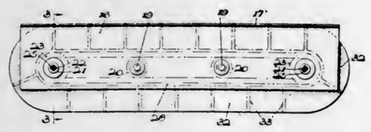
1. In a collapsible container formed from a single blank of sheet material, a bottom wall, side and end walls formed on said bottom wall and movable thereover when said container is in a folded condition, said end walls having foldable triangular-shaped wings on their outer edges, and wall flaps formed on the end edges of said side walls having creases therein substantially parallel to said end edges defining relatively narrow securing strips carried by said side walls and foldable outer portions, and means firmly connecting said securing strips with and in underlying relation to said wings.

2,381,068
REFRIGERATING APPARATUS
Herschel Lutes, Detroit, and Jonathan J. Buzzell, Alpena, Mich.
Application March 16, 1942, Serial No. 434,960
18 Claims. (Cl. 62—108.5)



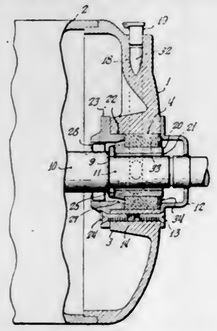
1. An ice cube freezing unit for refrigerating machines, comprising a main tray formed to provide relatively movable sections each partitioned to form a series of compartments and a supplemental tray formed of an elastic material supported upon the main tray and having ice cube forming pockets depending within respective compartments of said sections, certain of the walls of said pockets being deformed upon movement of said main tray sections to effect a loosening of the frozen cubes from all of the walls of the pockets for ease in their subsequent removal.

2,381,069
REFRIGERATING APPARATUS
Herschel Lutes, Detroit, and Jonathan J. Buzzell, Alpena, Mich.
Application June 1, 1943, Serial No. 489,282
6 Claims. (Cl. 62—108.5)



1. The combination of the freezing chamber of a mechanical refrigerator and a removable ice cube forming unit therefor, said unit comprising parallel members, rollers journalled in and extending between the members, cooperative means carried by the members and opposed walls of the freezing chamber for supporting the unit, an endless belt trained over and about the rollers, pockets formed along the outer surface of the belt, the belt and the pockets being formed from a flexible material to which ice does not readily adhere, and means insertible through one of the opposed walls of the freezing chamber for driving engagement with one of the rollers to impart motion to the belt, certain of the walls of the pockets being distortable by the bending action of the belt in its travel about the said one of the rollers to free the frozen cubes therefrom for subsequent discharge from the freezing chamber.

2,381,070
BEARING CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES
Frank J. Lyden, Erie, Pa.
Application November 16, 1942, Serial No. 465,722
4 Claims. (Cl. 308—125)



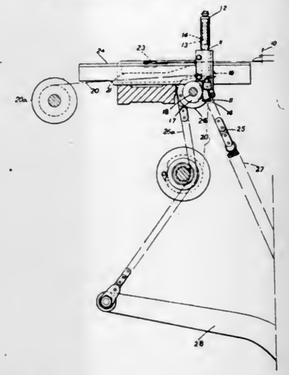
1. A bearing construction for dynamo-electric machines comprising an end shield having a bearing housing integral therewith, a shaft receiving bearing located within said bearing housing and spaced therefrom to provide an oil reservoir, said shaft receiving bearing having a lateral hole

therethrough elongated in a vertical direction, said end shield having a downwardly extending and laterally slanting oil hole communicating with said oil reservoir and with the lateral hole in said shaft receiving bearing, and a resilient oil absorbing wick extending downwardly through said oil hole and having a portion projecting laterally of said wick through the lateral hole in said shaft receiving bearing, said wick extending downwardly past said bearing into the lower portion of said oil reservoir.

2,381,071
N-PHOSPHONO-PHOSPHATOALKYL CYCLIC AMINES
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 26, 1943, Serial No. 492,445
8 Claims. (Cl. 260—461)

1. A process for preparing a N-phosphono-phosphato-alkyl aryl amine comprising reacting a N-alkenyl aryl amine with phosphorus and oxygen and reacting the resulting reaction product with oxygen and water.

2,381,072
COTTON'S PATENT AND OTHER STRAIGHT BAR KNITTING MACHINE
William Gordon Macdonald and William Arthur Cooper, Loughborough, England, assignors to William Cotton Limited, Loughborough, England
Application February 14, 1944, Serial No. 522,329
In Great Britain July 9, 1943
5 Claims. (Cl. 66—149)



1. In a straight bar knitting machine for the production of welted fabric and having draw mechanism including a part that moves to-and-fro, and a fabric take-up for connection to a welt rod; the combination of spaced supports for the ends of said welt rod which supports are movable between a raised position in which they support the rod above the fabric and a lower position in which the rod may be connected to the take-up and drawn thereby out of the supports, a member movable into the path of said part of the draw mechanism so as to be displaced thereby, pattern-controlled means for moving said member into and out of said path, means biassing said member against displacement by said part, a connection between said member and the welt rod supports for raising said supports when said member is displaced by said part and for lowering them under the influence of the bias, and pattern-controlled locking mechanism for locking said member in the displaced position and for releasing it at a predetermined stage in the operation of the machine.

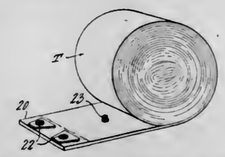
2,381,073
ESTERS OF INORGANIC ACIDS AND PROCESS OF MAKING SAME
Karl Miescher, Riehen, and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation of New Jersey
No Drawing. Application June 15, 1942, Serial No. 447,150. In Switzerland July 21, 1941
6 Claims. (Cl. 260—397.5)

1. A steroid ester of the formula



wherein R stands for a radical containing a cyclopentanopolyhydrophenanthrene nucleus bearing the substituent X in one of the positions 3 and 17 and the substituent Y in the other of the said positions, and wherein X stands for a member of the group consisting of free OH and OH esterified with an organic acid, and Y stands for OH esterified with phosphoric acid; and the salts of the said steroid ester.

2,381,074
METHOD OF MAKING INFLATABLE HOSE
John A. Muller, Ridgewood, and Lawrence Cranston, Glen Rock, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 29, 1942, Serial No. 440,994
4 Claims. (Cl. 154—8)

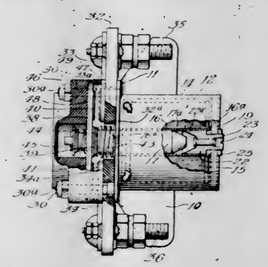


1. The method of producing a hose or tube of great length, which consists in folding inwardly toward each other the longitudinal side portions of a strip of rubberized fabric and securing the edges of these side portions together to form a tube, providing an agent within the tube that will prevent the inner walls thereof from adhering together, and then progressively introducing lengthwise portions of the tube in a flat condition into a vulcanizing press in the presence of heat to thereby vulcanize successive portions of the tube in a flatly pressed condition so that the tube normally will lie flat and permanent lines of fold are formed along the opposite sides of the tube.

2,381,075
SOLENOID CONTACTOR
Marvin G. Nelsen, Skokie, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 16, 1942, Serial No. 439,226
5 Claims. (Cl. 200—111)

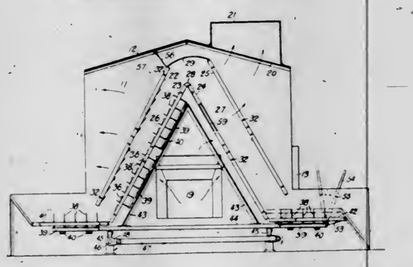
2. In a device of the character described, the combination of a mounting bracket including

a base member and an upright member, a solenoid supported on the upright member and comprising a cup-shaped housing having the closed end thereof rigidly secured to said upright member, an annular coil mounted within the housing, a plunger reciprocably mounted in the coil and having its outer end projecting through aligned openings in said upright member and said closed end of the housing, a plurality of spaced apart studs projecting horizontally from the upright member at the side opposite said housing, a panel of insulating material mounted on the studs adjacent the upright member, a pair of spaced contact buttons on the outer



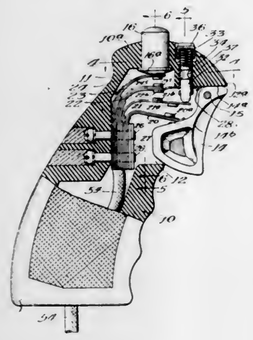
face of the panel, a contact bar mounted on the outer end of and disposed against a fixed abutment on the plunger, said bar including a pair of contact buttons aligned for cooperative engagement with the contact buttons on the panel, a coil spring on the plunger between the contact bar and upright member and serving to yieldingly urge the plunger to extended position together with the contact bar and its contact buttons out of engagement with the contact buttons on the panel, and a cap of insulating material mounted on the outer portion of said studs and enclosing the outer end of the plunger, the contact bar and the contact buttons on the panel.

2,381,076
GRASS DRYING APPARATUS
John Ernest Newman, Cirencester, England, assignor of two-thirds to Donald Stuart Kennedy, Andover, Hampshire, England
Application January 1, 1944, Serial No. 516,607
In Great Britain November 20, 1942
12 Claims. (Cl. 34—206)



1. Grass drying apparatus, comprising two upwardly converging conduits, mechanical means for elevating grass through one of said conduits for descent from the upper end thereof through the other of said conduits, and means for blowing a gaseous drying medium beneath said conduits for passage transversely through said conduits and through the grass travelling along the respective conduits, each of said conduits including apertures for transverse passage of the drying medium, and said mechanical elevating means operating through said apertures in said one conduit.

2,381,077
HAND GRIP SWITCH DEVICE
Thedore Obszarny, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application May 2, 1944, Serial No. 533,733
8 Claims. (Cl. 200—157)

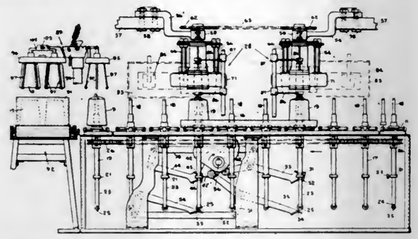


1. A switch device of the character described, comprising a body in the form of a hand grip, a unitary switch assembly fixedly mounted in a cavity formed in said body, said switch assembly comprising an elongated auxiliary finger, and two elongated, flexible and movable fingers disposed in aligned relation to the auxiliary finger, said fingers being fixedly secured at one corresponding end to said body in insulated relation to each other, the opposite ends of said movable fingers being free and normally disposed in spaced apart relation to each other and to the corresponding end of the auxiliary finger, the adjacent faces of said last mentioned ends of said fingers being provided with cooperating contact buttons, a movable operating member carried by the body and positioned to engage the free end of the outermost movable finger, whereby initial movement of said member exerts pressure on the free end of the latter finger and moves it into cooperating engagement with the free end of the other movable finger, and further movement of said member causes the free ends of said movable fingers to move as a unit and causes said other movable finger to cooperatively engage said auxiliary finger, and detent means acting on said other movable finger for releasably opposing such further movement of the operating member.

2,381,078
WRAPPING MACHINE
Joseph S. Pecker and Henry A. Simpson, Philadelphia, and Abraham S. Kirshner, Llanerch, Pa., assignors to Celanese Corporation of America, a corporation of Delaware
Application June 3, 1943, Serial No. 489,436
8 Claims. (Cl. 93—5)

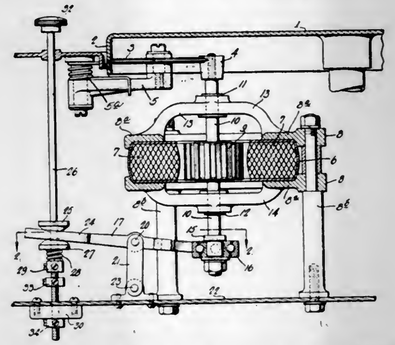
1. A device for applying wrappers to yarn packages, comprising a wrapping head including spaced rollers for applying the wrapper to the yarn package and means for rotating said rollers

at a constant speed, means for intermittently feeding said package to a position in vertical



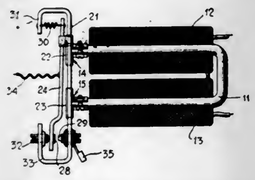
alignment with said wrapping head and means for effecting relative movement between said wrapping head and said package.

2,381,079
VARIABLE SPEED PHONOGRAPH DRIVE
Charles A. Pittman, Jr., Sellersville, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 17, 1943, Serial No. 483,430
9 Claims. (Cl. 172—36)



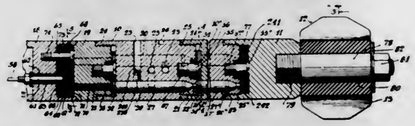
1. In a variable speed drive, a member to be driven, drive means for said member including an electrical driving motor having a stator and a rotor, said rotor being arranged for axial movement relative to said stator to vary the torque of the motor, and manually-operable means for adjusting the axial position of said rotor relative to said stator, to thereby vary the speed of the said member.

2,381,080
ELECTROMAGNETIC RELAY
William A. Ray, Los Angeles, Calif.
Application December 5, 1942, Serial No. 467,965
3 Claims. (Cl. 175—336)



1. In an electromagnetic operator: a U-shaped core; an energizing coil winding for said core; means, of magnetic sheet material, at the free end of each of the side arms of said core and defining a pair of spaced-apart and substantially coplanar pole faces; each of said pole-face-defining means being formed to provide a flat first portion, one surface of which defines said pole face, a second portion parallel to and spaced from said first portion, and an end portion at right-angles to the other portions and attached to the respective side arm of the core; a generally-rectangular bracket of non-magnetic material received between the spaced-apart first and second portions of both of said pole-face-defining means and rigidly supported thereby; and an armature cooperable with said core and mounted by the aid of said bracket.

2,381,081
GUN PERFORATOR
Marcel Schlumberger, Paris, France; vested in the Alien Property Custodian
Application January 23, 1940, Serial No. 315,157
In France February 2, 1939
25 Claims. (Cl. 164—0.5)

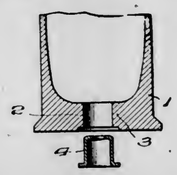


1. A well casing perforator which comprises at least one body member provided with at least two distinct powder-chambers extending substantially longitudinally therein and located in peripheral regions thereof with their transverse axes in close proximity to each other, and means forming at least one barrel hole extending from each of said chambers to the outer wall of said body member and passing through the central portion thereof.

2,381,082
INSECT REPELLENT
Seaphes D. Shinkle, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 29, 1943, Serial No. 504,299
6 Claims. (Cl. 167—33)

5. The method which comprises applying 4-methylquinoline-2(1)-thione to loci for repelling insects therefrom.

2,381,083
CARTRIDGE CASE
John Sidney Shufflebotham, Walsall, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application March 30, 1943, Serial No. 481,145
In Great Britain October 28, 1941
6 Claims. (Cl. 86—12)



1. The new and improved method of manufacing cartridge cases, which consists in moulding the case of a thermoplastic material with a cap-receiving cavity in the base slightly smaller in diameter than the external diameter of a cap

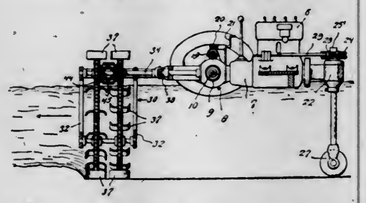
chamber, forming a cap chamber of material of higher heat resistance than that of the material of the cartridge case, heating the cap chamber to a temperature higher than the softening temperature of the thermoplastic material, forcing the heated cap chamber into the cap-receiving cavity in the base of the cartridge case to soften the wall of the cap cavity, and cooling the assembled case and cap chamber to set the thermoplastic material about the cap chamber.

2,381,084
TWEEZERS
Harry A. Slad, West Chester, Ill., assignor of fifty per cent to Lillian Catherine Slad, West Chester, Ill.
Application July 15, 1943, Serial No. 494,869
3 Claims. (Cl. 128—354)



1. A pair of tweezers comprising a tube open at its ends, a substantially U-shaped, resilient gripper slidably mounted in and projecting beyond opposite ends of the tube, the legs of said gripper having longitudinal slots therein, coacting jaws on one end of the gripper adapted to receive and grip a hair therebetween, a cross pin mounted in the tube and engaged in the slots for limiting the sliding movement of the gripper, and a coil spring in the tube having one end connected to the pin and its other end connected to one leg of the gripper for actuating said gripper for extracting the hair.

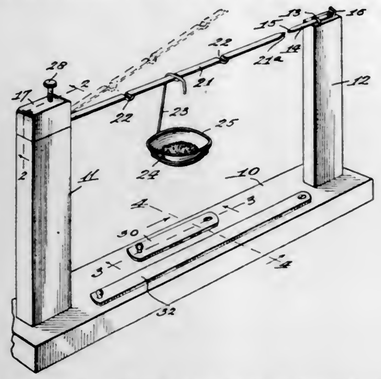
2,381,085
EXCAVATOR
Ernest R. Snyder, Tempe, Ariz.
Application January 8, 1944, Serial No. 517,561
2 Claims. (Cl. 37—80)



1. In an excavator, a main frame, a pair of traction wheels for the support of said frame, a pilot wheel for the support of said frame and capable of being steered, said traction wheels including pivotally mounted stub axles, a power source on the frame, a drive means connecting the wheels to the stub axles and to said power source, and including universal joints, means connected to the stub axles for varying the inclination of the traction wheels from a vertical position, and an excavating mechanism carried by the frame operated by said drive means.

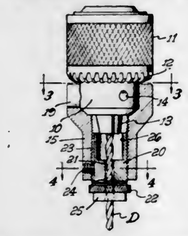
2,381,086
ASSAYER'S SCALE
Doty M. Steele, Los Angeles, Calif.
Application April 5, 1943, Serial No. 481,876
2 Claims. (Cl. 265—63)

1. In a weighing scale, a pair of spaced uprights, a resilient arm having one end secured to the upper portion of one of said uprights, which arm is normally inclined so that it projects upwardly away from the upright to which it is secured, means for suspending loads from said arm at predetermined points throughout its length



and an index finger adjustably mounted on the other upright adjacent the free end of said arm and positioned in the same horizontal plane, with the fixed end of said resilient arm.

2,381,087
CHUCK ATTACHMENT
Charles P. Stewart, Los Angeles, Calif.
Application April 18, 1944, Serial No. 531,543
6 Claims. (Cl. 77—55)

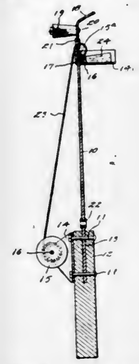


4. An attachment for chucks comprising a tubular body adapted to be telescopically positioned over the body of a chuck, the upper end of said body being enlarged having two circumferentially spaced set screws receivable in circumferentially spaced recesses in the chuck body and an opening exposing a third recess in the chuck body, and a bushing threaded into said body having a bore therethrough adapted to closely receive a drill.

2,381,088
VISCOUS SOLUTIONS OF VEGETABLE GLOBULINS
Robin Hamilton Kendall Thomson, Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 10, 1942, Serial No. 468,578. In Great Britain October 22, 1941
5 Claims. (Cl. 18—48)

1. In the manufacture or storage of viscous vegetable globulin solutions in dilute aqueous solutions of alkali metal hydroxide the method of preventing or delaying surface gelation which comprises maintaining in the atmosphere over the surface of the solution a partial pressure of ammonia substantially in excess of that occasioned by the incipient hydrolysis of the protein by the alkali metal hydroxide in the solution.

2,381,089
CASTING DEVICE
Jacob M. Tweit, Holcombe, Wis.
Application April 5, 1944, Serial No. 529,649
4 Claims. (Cl. 43—19)

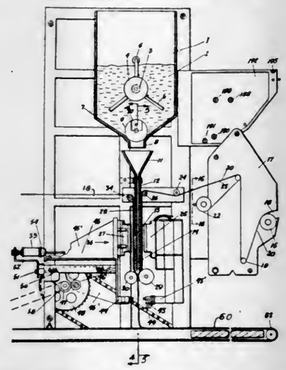


1. A casting device of the class described comprising a resilient blade adapted to be manually held adjacent one end, a shelf extending from the blade to support an object to be cast, and a knob extending from the opposite side of the blade adjacent the shelf to facilitate tensioning of the blade to project the object.

2,381,090
DECOLORIZATION OF SUGAR MELTS
George P. Vincent, Poughkeepsie, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application February 26, 1941, Serial No. 380,642
7 Claims. (Cl. 127—46)

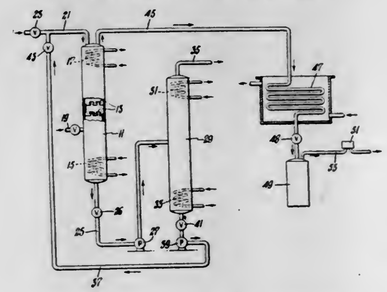
1. In refining sugar melts, the improvement which comprises treating the melt with calcium hypochlorite in the presence of a chlorite and with a phosphate defecating agent and thereafter treating the melt with an activated decolorizing carbon.

2,381,091
METHOD AND APPARATUS FOR PACKING
Maurice Weisman, Roxbury, Mass., assignor to Mabe Corporation, New York, N. Y., a corporation of New York
Application November 30, 1940, Serial No. 368,101
12 Claims. (Cl. 93—3)



1. A method of packaging tea, coffee or the like in an intermittent process, which comprises feeding a given length of two sheets of different effective width in face to face relation with each other intermittently, forming the wider sheet to produce a pouch effect against the narrower sheet, cementing the edges and the center lengths of the sheets together longitudinally simultaneously along the whole of such lengths, cutting the sheets longitudinally in the cemented lengths, filling the pouch and substantially simultaneously crimping and sealing the sheets transversely to form the bottom and top of the bag.

2,381,092
SOLVENT EXTRACTION OF HYDROCARBONS
Alexander Logan Wilson, Sharpsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application June 10, 1941, Serial No. 397,391
22 Claims. (Cl. 196—13)

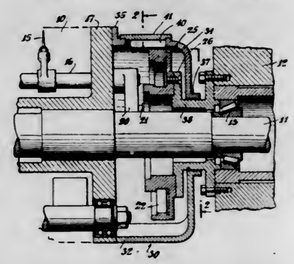


1. Process for separating a mixture of hydrocarbons into its more paraffinic and more aromatic constituents, which comprises extracting the hydrocarbon mixture with an organic sulfide having a chemical structure designated by the formula

$$RSC_2H_4NH_2$$

wherein R designates a group selected from the class consisting of the aminoalkyl group, the hydroxyalkyl group and the aminoalkyl-substituted aminoalkyl groups.

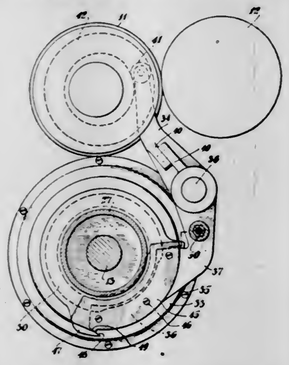
2,381,093
PRINTING PRESS
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1943, Serial No. 474,071
2 Claims. (Cl. 101—409)



1. In a printing press, in combination, a rotatably mounted cylinder having a shaft mounted therein for rotary movement to actuate paper gripping mechanism, means for driving said cylinder, a cam follower eccentrically mounted on

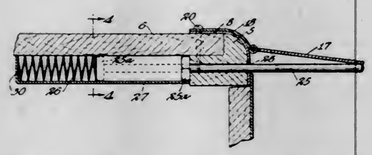
said shaft at one end of the cylinder, a rotatably mounted member at the same end of the cylinder having a cam race to receive said cam follower, means for selectively driving said member at a different speed than said cylinder and for disengaging said members from the driving means, cover means secured to the cylinder and extending closely adjacent to said member and enclosing said cam follower and cam race, and means for securing said member to said cover means when said member is not being driven.

2,381,094
PRINTING PRESS
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 8, 1943, Serial No. 482,229
6 Claims. (Cl. 101—409)



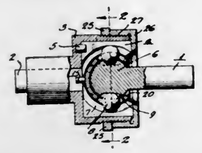
1. In a printing press having a rotatably mounted cylinder member carrying paper gripper mechanism and cam mechanism at the end of the cylinder member for actuating the gripper mechanism and including a cam track member having a removable cam track segment movable into and out of registration with said cam track member, the combination of a cover element secured to one of said members extending closely adjacent to the other of said members enclosing the cam mechanism, and other cover means at the outer side of the cam track member for closing the gap between the removable cam track segment and the cam track member when the cam track segment is out of registering position.

2,381,095
CABINET DOOR FASTENING DEVICE
Edwin C. Worthley, Minneapolis, Minn.
Application May 3, 1943, Serial No. 485,472
3 Claims. (Cl. 292—228)



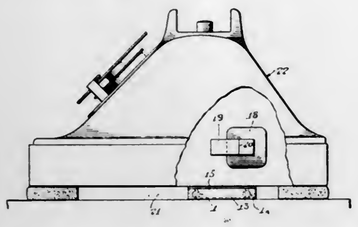
1. In a cabinet having a door opening and an outwardly hinged door for said opening, a wing-like flange pivoted to the cabinet adjacent the edge of the opening opposite the door hinge and on an axis parallel to the axis of the door hinge, yielding means for biasing the wing-like flange to move over a portion of the door opening and against the outside of the closed door to hold against accidental opening movements and rattling vibrations, and a plunger working slidably through the cabinet between an edge of the door opening and the pivot point of said wing flange, said plunger being free to slide longitudinally from a retracted position substantially flush with the outer wall of the cabinet to an extended position wherein it will support the wing flange in an inoperative position against the closing pressure exerted by its cooperating biasing means, and yielding means tending to project said plunger.

2,381,096
UNIVERSAL JOINT
Harry H. Abbott, Coldwater, Mich.
Application January 15, 1944, Serial No. 518,434
6 Claims. (Cl. 64—7)



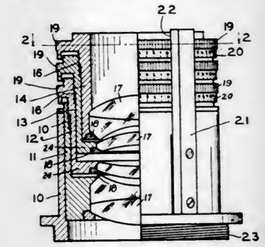
1. A universal joint between two members comprising an externally threaded integral housing connected to one of said members, a plurality of socket units abutting each other and fixedly mounted within said housing and shaped on the interior thereof to form a spherical seat for the end of the other one of said members, said last-mentioned end formed as a sphere and provided with a plurality of grooves disposed equidistantly around the axis of said member and extending on each side of the transverse medial diameter of said spherically shaped end, said socket units also provided at their abutting surfaces with co-operating grooves overlying said first-mentioned grooves, a ball seated in each of said grooves, and an interiorly threaded cover for said housing adjacent the end of said second member for retaining said socket units in place.

2,381,097
MAGNETIC PICKUP DEVICE
Joseph C. Adams, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 29, 1942, Serial No. 463,798
10 Claims. (Cl. 179—2)



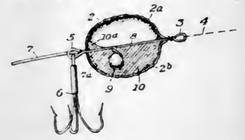
1. A magnetic pick-up device for response to the stray field of an induction coil, comprising a solenoidal type pick-up coil having a magnetic core, said core having a ratio of length to square root of cross-sectional area which is at least of the order of 15.

2,381,098
LENS SPACING FIXTURE
Carl E. Bahn, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,005
4 Claims. (Cl. 88—57)



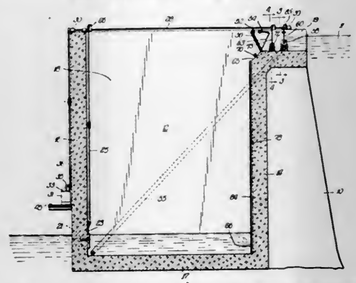
1. In a device of the type described, a support, a plurality of telescopically mounted sleeves carried by the support; means for mounting a lens in each sleeve; means for independently moving said sleeves to adjust the air space between said lenses; a scale carried by each sleeve; and index means carried by the support and cooperative with said scales for ascertaining the distance between adjacent lenses.

2,381,099
ARTIFICIAL FISHING BAIT
Robert J. Baldesberger, Pittsburgh, Pa.
Application July 27, 1943, Serial No. 496,294
5 Claims. (Cl. 43—42)



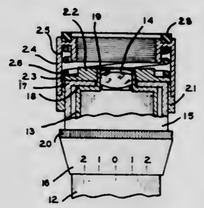
1. An artificial fish bait comprising a hollow body formed of two shell elements united edge to edge, one shell element including a mass-increasing filling, a wabbler of flexible material embedded and secured at one end in said filling and extending outward from the assembled shell elements, with the filling material overlapped upon the meeting edges of the shell elements between which the wabbler extends, a fish-hook, and means for attaching a fishing line.

2,381,100
AUTOMATIC FISH LOCK
Harry Barr, Ironwood, Mich.
Application November 2, 1944, Serial No. 561,518
15 Claims. (Cl. 61—21)



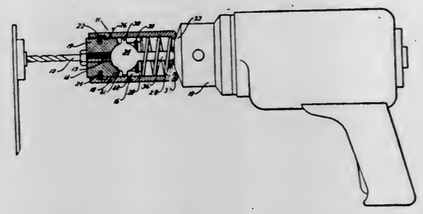
1. The combination with dam structure or the like, of twin fishlocks each having an opening leading to the water above the dam and a second opening communicating with the water below the dam, a conduit for each fishlock for continuously discharging water from above the dam to the bottom portion of its respective fishlock, and in a manner to cause a swirling action of the water within said bottom portion, means for alternately closing and opening the second openings to the fishlocks to cause said fishlocks to alternately fill with water and empty, and other means for delivering to each fishlock additional water from above the dam during the period when the second opening to the fishlock is open.

2,381,101
OCULAR TUBE
William Bausch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 4, 1942, Serial No. 464,463
3 Claims. (Cl. 88—32)



1. In a device having an ocular tube carrying an eye lens, the combination of an eye cap comprising an annular member sleeving said tube; a ring coaxially mounted on one end of said tube; a flange carried by said ring having a diameter greater than the inner diameter of said annular member; a shield having an inwardly projecting portion, said shield coaxially secured to said annular member and movable therewith; a spring seating on said flange and engaging the portion to normally hold said annular member against the under surface of said flange, the other surface of said flange limiting movement of said shield in the opposite direction; and a resilient eye cap carried by said shield and movable therewith to alternate positions relative to said lens whereby the eye of a user can be adjusted relative to said lens.

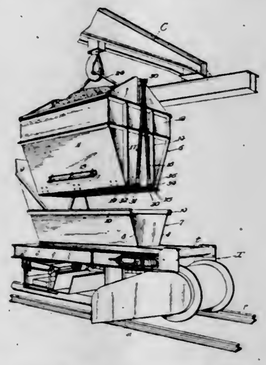
2,381,102
FLEXIBLE ADAPTER
Leo B. Boyd, Gardena, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application October 12, 1943, Serial No. 506,013
5 Claims. (Cl. 64—7)



1. A flexible coupling for a power driven hand tool including an annular shoulder symmetrically disposed relative to the operative axis of the tool comprising: a driving member held in the motor unit and driven by the tool motor; a driven mem-

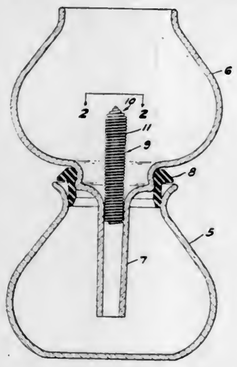
ber provided with means for holding an operating tool; universal joint elements between said driving and driven members; means holding said driving and driven members against separation; a tubular member surrounding said driven member and in guiding and limited sliding engagement therewith; an inwardly projecting abutment carried by said tubular member; and resilient means held under compression and positioned between the driven member and the abutment on said tubular member and acting to hold one end of said tubular member against said annular shoulder said resilient means serving to maintain the driving and driven member in axial alignment to transmit thrust exerted by the operator from the motor unit to the tool operated thereby during normal operation during which the annular shoulder is in symmetrical engagement with the end of the tubular member, but permitting tilting of the motor unit and annular shoulder, to occur relatively to the axial line of the operative tool, by displacement of the tubular member, due to the consequent tilted relation of the annular shoulder to the end of the tubular member by sliding over the driving member against the resistance of the resilient means, thus minimizing lateral thrust on the operative tool.

2,381,103
PORTABLE HOPPER
Frank Briner, Chester, Pa., assignor to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1943, Serial No. 477,317
1 Claim. (Cl. 294—71)



Hopper equipment comprising an auxiliary hopper including a pair of opposed spaced apart flat downwardly convergent sides, embodying an open bottom and provided with means for supporting it in an elevated position, and a portable hopper consisting of a continuous side wall structure in the form of a pair of opposed spaced apart sides with flat downwardly convergent lower portions and a pair of end walls extending between, and connected to, the end margins of the sides and provided with vertically extending aligned slots in the upper portions thereof, adapted to fit removably in the upper portion of the auxiliary hopper in such manner that the lower portions of the sides fit against and lap the inner faces of the sides of said auxiliary hopper and provided on said lower portions of the sides thereof with outwardly extending lugs adapted to rest on the upper edges of said sides of the auxiliary hopper, a pair of opposed bottom forming plate type gates hinged to the bottom margins of the sides of the wall structure so as to swing up and down between closed and open positions, a horizontal bar extending lengthwise across the upper portion of the side wall structure, having the ends thereof mounted in the slots so that it is capable of vertical sliding movement, provided at its ends with outwardly projecting vertically extending strips arranged to coact with the slot defining portions of the end walls in such manner as to prevent longitudinal displacement of the bar relatively to the structure, and also provided with means at its central portion for attachment to a hoisting apparatus, and pairs of upstanding links disposed outwards of the end walls of the structure, having their upper ends pivotally connected to the ends of the bar and their lower ends pivotally connected to the distal corners of the gates and adapted to swing the gates upwards into their closed position when the bar is moved upwards relatively to the portable hopper in connection with removal of said hopper from the auxiliary hopper and to swing the gates downwards into their open position when the bar is released from the hoisting apparatus and moved downwards relatively to the portable hopper after such hopper is in supported relation with the auxiliary hopper.

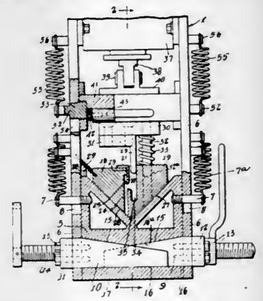
2,381,104
STRAINER FILTER FOR COFFEE MAKING
Frank J. Burnham, Los Angeles, Calif.
Application May 10, 1943, Serial No. 486,435
4 Claims. (Cl. 210—162)



1. As an article of manufacture, a filter for insertion into the downwardly directed spout of a coffee maker receptacle, said filter consisting of a helical wire spring the convolutions of which are of such tensility as to maintain themselves normally upright without auxiliary support in a uniformly slightly spaced apart relation from end to end of the helix, thereby providing a continuous coffee filtering slit while obstructing the passage of coffee grounds, said helical spring being open at one end and at its opposite end being closed against the passage of coffee grounds, by reason of its coils progressively decreasing in diameter and terminating at the axis of the coil as a whole.

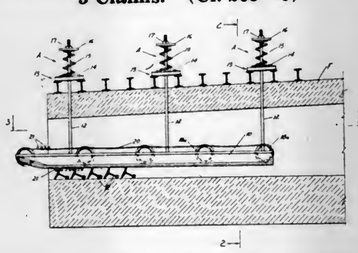
2,381,105
OFFSETTING MECHANISM
Addi B. Cadman, San Diego, Calif.
Application May 3, 1943, Serial No. 485,523
20 Claims. (Cl. 153—21)

1. In mechanism for offsetting a bar having an angular cross-section, the combination of a die assembly having a plurality of jaws for clamping the flanges of the bar, a second die assembly including a plurality of jaws for clamping flanges of the bar, said assemblies being disposed alongside of each other so as to clamp adjacent portions of the bar, means for adjusting the distance between a pair of said jaws, means for supporting at least one of said assemblies so that the same can be moved relatively to the other assembly to offset



the bar, means acting upon each of said die assemblies to cause them to clamp the bar securely on each side of the location of the offset, said means operating thereafter to force one of said assemblies out of line with the other assembly to make the offset while the bar is clamped by the assemblies, and stop means for limiting the depth of the offsetting movement.

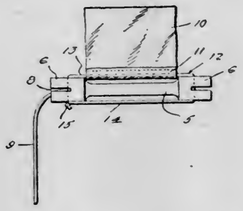
2,381,106
HEATING FURNACE
Joe Cafagno, Marion, Ohio
Application December 27, 1944, Serial No. 570,037
5 Claims. (Cl. 263—6)



1. In combination with a heating furnace, a hold-down device comprising an elongated rigid frame embodying a plurality of spaced longitudinal hold-down rails, a longitudinal series of spaced cable supports mounted upon corresponding sides of said hold-down rails, a cable passing around the cable supports of each hold-down rail, a plurality of equally spaced spacer blocks carried by and projecting vertically from each cable, and means for suspending said frame from the roof of the furnace so as to locate the hold-down rails at a predetermined distance above the bottom surface of the furnace along which the articles to be treated are moved.

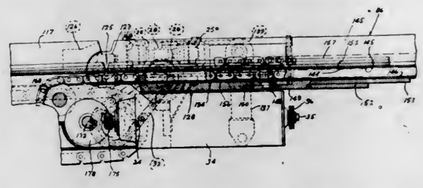
2,381,107
PERMANENT WAVE MANDREL
Anthony A. Calabro, New Haven, Conn.
Application April 6, 1944, Serial No. 529,795
5 Claims. (Cl. 132—42)

1. In a permanent wave device of the class described, a rigid mandrel having a central reduced portion and cylindrical heads at opposite outer ends of said reduced portion, said heads having circumferentially spaced keeper notches formed therein, a cord looped and fastened on the mandrel with its runs parallel to the reduced portion,



a pad having a hem forming a pocket, said hem being secured to one of said loop runs, and a freely laceable cord attached to said mandrel and cooperable with the keeper notches.

2,381,108
GATHERING AND LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1942, Serial No. 462,506
4 Claims. (Cl. 198—109)

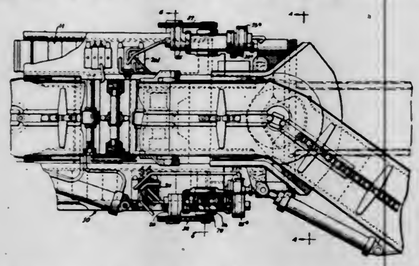


1. In a loading apparatus, a flight conveyer including trough sections pivotally connected at adjacent ends for relative lateral swinging adjustment, each of said trough sections including an upper floor plate for supporting the upper strand of the conveyer and a lower floor plate for guiding the lower strand of the conveyer, the upper floor plate of one of said trough sections extending beyond the pivotal axis of articulation in one direction and terminating in concentric abutting relation with the upper floor plate of the second trough section, and a lower floor plate of said second section extending beyond the pivotal axis of articulation in the opposite direction and terminating in concentric abutting relation with the lower floor plate of said first section.

2,381,109
GATHERING AND LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application October 19, 1942, Serial No. 462,506. Divided and this application May 27, 1943, Serial No. 488,644
4 Claims. (Cl. 180—9.2)

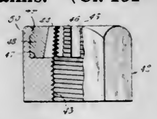
1. In a vehicle having a pair of endless treads, a hydraulic drive for said treads consisting of hydraulic pressure supply means, a pair of hydraulic motors having common operative connection to each of said treads for driving them independently of each other, independently operable valve control means for selectively connecting said pressure supply means to one or both of each pair of said motors, so as to drive their respective treads at different speeds, and interlocking means for said valve control means

causing the two treads to be driven either by one only or by both of its motors, at any one time



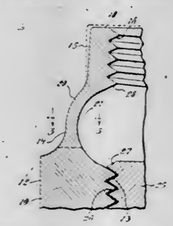
but preventing one tread from being driven by one of its motors while the other tread is driven by both of its motors.

2,381,110
LOCK NUT
Edward F. Chandler, Brooklyn, N. Y.
Application July 11, 1942, Serial No. 450,505
3 Claims. (Cl. 151—21)



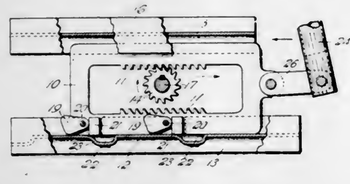
1. A self-locking nut having a threaded bore therein, forming a lower thread section and an upper thread section, the upper face of the nut having an annular recess therein, the upper section further having a plurality of downwardly-extending slots which are longitudinally disposed relative to the axis of rotation of the nut, thus forming a plurality of spaced, internally-threaded jaw portions which are inwardly tipped and form the upper thread section which is a continuation of said lower thread section, the lower end of the recess and the lower ends of the slots lying on substantially the same plane, such plane defining the lower end of the upper thread section, and a resilient, compressible member secured within the annular recess which resists outward movement of the jaw portions, said jaw portions being progressively moved rearwardly, when the nut is applied to a bolt.

2,381,111
SELF-LOCKING NUT
Edward F. Chandler, Brooklyn, N. Y.
Application May 25, 1943, Serial No. 488,351
3 Claims. (Cl. 151—21)



1. A self-locking nut having a threaded bore and an intermediate unthreaded portion of greater diameter than the bore, dividing the bore into an upper and a lower thread section, the upper section having a plurality of spaced, longitudinally-disposed slots which extend into the unthreaded portion, thus dividing the upper part of the nut into a plurality of threaded jaw-like segments, the several segments being set downwardly and inwardly, thus positioning the threads in the upper section out of phase with those in the lower section and constricting the upper thread section, the walls of the segments in the unthreaded portion forming resilient webs connecting the threaded portions of the segments with the body of the nut, a vertical and a horizontal section through any portion of such webs presenting a wall of convex outer contour, and a concave inner contour, such walls being of substantially uniform thickness and arcuately curved on an arc of a circle having a diameter greater than the length of the upper thread section, whereby when the nut is applied to a bolt, and the thread-carrying portions of the segments are displaced upwardly and outwardly by contact with the bolt threads, such displacement deflects the resilient webs proportionally throughout substantially their entire length.

2,381,112
MECHANICAL MOVEMENT
Arthur Robert Clark, Hamilton, Ontario, Canada
Application September 20, 1944, Serial No. 554,983
2 Claims. (Cl. 74—30)

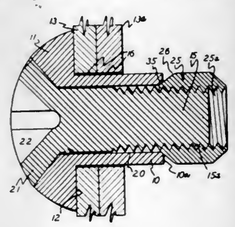


1. In an apparatus for producing constant rotary movement from reciprocal rectilinear movement, a double driving rack arranged for reciprocal rectilinear movement in horizontal guide means and consisting substantially of a frame provided with upper and lower internal banks of rack teeth, said guide means including a slide for the frame and having spaced recesses, pendent skids pivoted to the frame and arranged to swing in one direction from dependent position, stop means precluding swing of the skids in the opposite direction from dependency, and a driven pinion on a fixed axis between said banks, said frame being arranged to glide on said slide throughout its strokes in one direction with the skids trailing and the upper bank of rack teeth geared to the pinion and the other free, said frame being arranged to move throughout its strokes in an opposite direction at an elevated level with the skids supporting it and gliding on said slide and the lower bank of rack teeth geared to the pinion and the other free, said skids being received in said recesses at the termination of each stroke of the frame.

2,381,113
BLIND RIVET
George W. Cook, Los Angeles, Calif.
Application February 1, 1943, Serial No. 474,255
1 Claim. (Cl. 85—40)

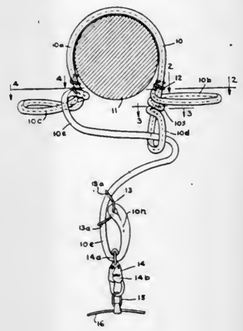
A rivet assembly comprising a tube having continuous unbroken walls and an outstanding circumferential flange at its outer end disposed at substantially right angles thereto, the tube being initially of an even diameter from its

flange to its inner end and being of a length adapting it to pass through registering openings in articles to be secured together with the flange bearing against the outer face of one article and the inner end portion of the tube protruding from the other article, a bolt passing through said tube with its head bearing against said flange, said bolt being snugly received in the tube and having its threaded end portion protruding from the inner end of the tube, and an expander nut threaded upon the protruding threaded end portion of the bolt and having a



substantially frusto-conical inner end portion, the nut when moved in a tightening direction by turning of the bolt being shifted along the bolt into position for engaging within the protruding inner end portion of the tube and expanding the protruding end portion of the tube to form a cup-shaped unbroken collar snugly receiving the nut and having its inner end portion formed with an outstanding concentric shoulder fitting snugly about the frusto-conical portion of the nut and cooperating with the flange to hold the articles tightly clamped against each other.

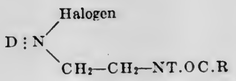
2,381,114
SAFETY CLIMBING DEVICE
Jesse C. Cox, Robbinsdale, Minn.
Application July 27, 1944, Serial No. 546,863
8 Claims. (Cl. 227—24)



1. A safety climbing device having in combination, an elongated member of stiff but flexible material, the same being formed into a bight adapted to extend partially around a pole or tree trunk and have its ends disposed at one side thereof, a hand grip member at each end of said bight, a strand of flexible material secured adjacent one end of said bight and an apertured member secured at the other end of said bight through which said strand passes and in which it is freely movable and means at the end of said strand adapted for attachment to a belt or other article fastened to the operator.

2,381,115
NEW CHEMICAL COMPOUND AND METHOD OF MAKING SAME
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 20, 1941, Serial No. 415,763. Divided and this application June 3, 1943, Serial No. 489,571
8 Claims. (Cl. 260—286)

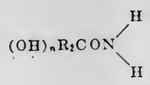
1. A chemical compound of the following type:



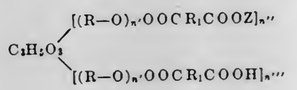
in which T is a monovalent hydrocarbon radical having at least 6 and not more than 22 carbon atoms; the acyl radical RCO is derived from a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; and D:N represents a heterocyclic compound of the pyridine series consisting of pyridine, quinoline, isoquinoline, and C-methyl homologs thereof.

2,381,116
CERTAIN SUBRESINOUS ESTERIFICATION DERIVATIVES OF HIGH MOLAL HYDROXY ACID AMIDES AND METHOD OF MAKING SAME
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 15, 1942, Serial No. 447,155. Divided and this application August 2, 1943, Serial No. 497,122
10 Claims. (Cl. 260—404)

1. A member of the class consisting of subresinous ester-linked acylated derivatives of a water-insoluble high molal hydroxy acid amide of the formula:



in which the radical R_2CO contains at least 8 and not more than 36 carbon atoms and n is a small numeral varying from 1 to 3; the acyl group substituted for a reactive hydroxyl-hydrogen atom of said hydroxylated amide being the acyl radical of an acidic fractional ester of the formula:



in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

2,381,117

ESTER-LINKED ACYL AMIDES AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,156. Divided and this application August 2, 1943, Serial No. 497,123

10 Claims. (Cl. 260—404)

1. A member of the class consisting of sub-resinous ester-linked acyl derivatives of a water-insoluble detergent-forming monocarboxy acid amide of the formula:

$$R_2CON\begin{matrix}[H]_m\\ -[R_3]_n\\ [R_4]_q\end{matrix}$$

in which R_2CO is the acyl radical of the aforementioned monocarboxy acid and having at least 8 and not over 32 carbon atoms, and R_3 is a member of the class consisting of alkanol radicals, and alkylene-oxyalkanol radicals; B_4 is a hydrocarbon radical having not over 6 carbon atoms; m represents a numeral varying from 0 to 1, n represents a numeral varying from 1 to 2, and q represents a numeral varying from 0 to 1 with the proviso that m and n, plus q, must equal 2; the acyl group substituted for a reactive oxygen-linked hydrogen atom of said hydroxylated amide being the acyl radical of an acidic fractional ester of the formula:

$$C_3H_3O_3\begin{matrix}[(R{-}O)_{n'}{\cdot}OOCR_1COOZ]_{n''}\\ [(R{-}O)_{n'}{\cdot}OOCR_1COOH]_{n'''}\end{matrix}$$

in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of n'', plus n''', equals 3.

2,381,118

CERTAIN ESTER-LINKED ACYLATED DERIVATIVES OF POLYAMINO ETHER ALCOHOLS AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,160. Divided and this application August 2, 1943, Serial No. 497,127

11 Claims. (Cl. 260—404.5)

1. A member of the class consisting of sub-resinous ester-linked acylated derivative of a basic polyamino ether alcohol having at least 2 basic amino nitrogen atoms linked by the divalent ether radical —R—O—R—, of the following formula:

$$H(O{-}R)_n\qquad [(R{-}O)_nH]_{m'}\qquad (R{-}O)_nH$$
$$\diagdown\quad\diagup$$
$$NR{-}O{-}RN(R{-}O{-}RN)_m$$
$$\diagup\quad\diagdown$$
$$H(O{-}R)_n\qquad [H(O{-}R)_n]_{m'}\qquad (R{-}O)_nH$$

in which at least one oxygen-linked reactive hydrogen atom has been substituted by R_2COO which represents the acyloxy radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; and R—O represents an alkylene oxide radical selected from the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, and glycid radicals, and in which R represents the corresponding alkylene radical thereof; n is a small whole number less than 5, and m is a small numeral less than 5 and including zero; m' is a numeral not over one and including zero, with the proviso that m' must be zero if the amino nitrogen atom to which the monovalent radical

$$[-(R{-}O)_nH]_{m'}$$

is attached is a terminal nitrogen atom and otherwise m' must be one; the acyl group substituted for a reactive oxygen-linked hydrogen atom of said acylated polyamino ether radical being the acyl radical of an acidic fractional ester of the formula:

$$C_3H_3O_3\begin{matrix}[(R{-}O)_{n'}{\cdot}OOCR_1COOZ]_{n''}\\ [(R{-}O)_{n'}{\cdot}OOCR_1COOH]_{n'''}\end{matrix}$$

in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

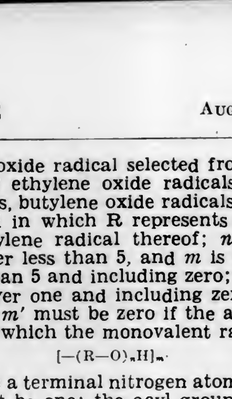
2,381,119

PROCESSES OF FACILITATING AND CONTROLLING CHEMICAL REACTIONS OR PHYSICAL TREATMENTS

Gilbert D. Dill, Wilmette, Ill., assignor to Standard Oil Development Company, New York, N. Y., a corporation of Delaware

Application June 20, 1940, Serial No. 341,478

1 Claim. (Cl. 34—10)



A method of maintaining finely divided solids in intimate mixture with gases for effecting physical and chemical treatments which comprises passing a stream of gases and solids successively through a plurality of restricted passages separated by enlarged zones wherein a portion of said solids containing said gases separates therefrom, gradually increasing the velocity of the stream of gases and solids during the initial portion of the path of said gases through said restricted passages, thereafter gradually reducing the velocity of the gas stream during its passage through the final portion of said restricted passages and reintroducing solids separated from said gas stream in said enlarged zones into said gas stream while said gases are passing at maximum velocity through said restricted passages to thereby redisperse the solids so separated into said gas stream.

2,381,120

METHOD OF REDUCING BARITE IN FLUORSPAR CONCENTRATE

Walter E. Duncan, Rosiclare, Ill., assignor to Mahoning Mining Company, Youngstown, Ohio, a corporation of Delaware

No Drawing. Application December 24, 1943, Serial No. 515,596

5 Claims. (Cl. 209—167)

1. The method of reducing residual barite in fluorspar concentrates derived from ores containing barite in excess of about 2%, which comprises pulping the ground ore with water, floating the pulp in the presence of sodium oleyl sulfate of the formula

$$CH_3(CH_2)_7CH{=}CH(CH_2)_7CH_2OSO_3Na$$

collecting the barite concentrates resulting from said flotation and subjecting the flotation tailings to agitation in the presence of a soap forming higher fatty acid and quebracho extract to thereby concentrate the fluorspar and induce a further separation therefrom of residual barite in said tailings.

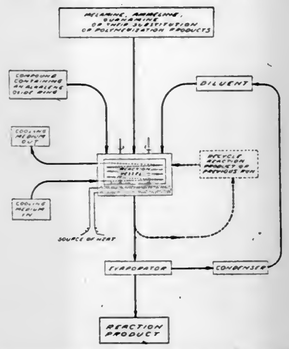
2,381,121

CONDENSATION PRODUCTS OF TRIAZINES AND SUBSTITUTE TRIAZINES WITH ALKYLENE OXIDES

Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application January 17, 1941, Serial No. 374,834

8 Claims. (Cl. 260—2)



5. The condensation product of a compound selected from the group consisting of a formoguanamine having an N substituted hydrocarbon radical, valeroguanamine, hexanoguanamine, lauroguanamine and stearoguanamine, each member of the group containing a replaceable hydrogen attached to a nitrogen atom, with a compound containing an alkylene oxide ring.

2,381,122

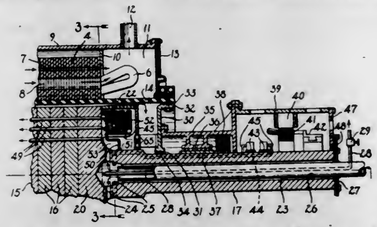
COOLING MEANS FOR DYNAMOELECTRIC MACHINES

Carl J. Fechheimer, Milwaukee, Wis.

Application April 27, 1944, Serial No. 532,950

12 Claims. (Cl. 171—252)

1. The combination with a dynamoelectric machine having a stator and a rotor with an air gap therebetween, said rotor being provided with a plurality of longitudinal ducts for a cooling liquid, a shaft extension at each of its ends, a concentric admission bore extending into one and a concentric discharge bore extending into the other of said shaft extensions, of a casing arranged at each end of the rotor and each providing a fluidtight chamber, connecting ducts in each of said shaft extensions to afford a hydraulic connection between the respective chamber and the inner ends of the corresponding bore, means associated with said discharge



bore and effective upon rotation of the rotor to produce a given resultant pressure upon a cooling liquid in said discharge bore, gas exhaust means cooperating with said admission bore and adapted to exhaust entrapped gas from a liquid in said bore, a stationary insulating tube concentric with said rotor located in said air gap and provided at each of its ends with a header, and a gland seal interposed between the respective header and shaft extension to form with said tube a housing adapted to confine a hydrogen atmosphere about said rotor.

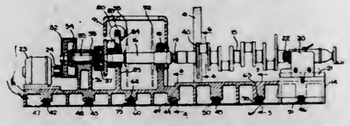
2,381,123

GRINDING MACHINE

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 22, 1944, Serial No. 536,666

14 Claims. (Cl. 51—101)



1. In a grinding machine having a base, a rotatable grinding wheel, a longitudinally movable work table, a rocking work support on said table, rocker surfaces between said table and said support, a rotatable work support including a headstock and a footstock on said rocking work support, at least one of said rocker surfaces being concentric with the axis of the headstock and footstock, a master cam and a follower roller to rock said support to facilitate grinding a predetermined contour on a work piece, and means to maintain the axis of the work support in the desired relationship with the axis of the grinding wheel during said rocking movement.

2,381,124

COMPOSITION FOR CLEANING METAL SUCH AS ALUMINUM AND MAGNESIUM

Joseph F. Hart, Los Angeles, Calif., assignor to Kelite Products, Inc., Los Angeles, Calif., a corporation of California

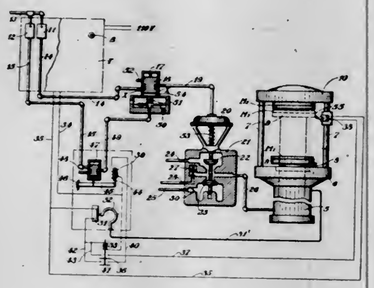
No Drawing. Application October 23, 1940, Serial No. 362,410

7 Claims. (Cl. 252—138)

1. A composition for cleaning such metals as aluminum or magnesium, which composition

comprises an aqueous solution containing sodium salts of orthophosphoric acid and silicic acid in substantially the stoichiometric proportions of three mols of Na_2O per mol of P_2O_5 and one mol of Na_2O per two mols of SiO_2.

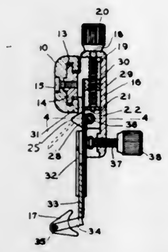
2,381,125
APPARATUS FOR BUMPING PLATEN PRESSES
Arthur Hermann, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 28, 1942, Serial No. 463,713
2 Claims. (Cl. 18—16)



1. In a press, the combination of a pair of opposed press parts relatively movable toward and away from each other, a motor operated by the application of pressure fluid thereto for closing said parts and operated by the exhausting of pressure fluid therefrom for opening said parts, means including a main valve operable to alternate positions for applying to and for exhausting pressure fluid from said motor, a limit switch operated by the opening of said press parts to a predetermined position, a fluid pressure operated switch closed in response to a predetermined value of the pressure fluid in said motor and opened in response to a lower pressure of the fluid in said motor, mechanism including a solenoid valve for moving said first valve to its exhaust position, an operating circuit for the solenoid of said valve completed in response to the closure of both of said switches, said limit switch on operation serving to interrupt said circuit whereby said solenoid valve and the mechanism of which it is a part, operate the main valve to the position in which it reapplies pressure fluid to said motor, and means for rendering said mechanism inoperative and thus maintain the press closed.

2,381,126
OPHTHALMIC INSTRUMENT
Robert D. Keller, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 6, 1943, Serial No. 509,247
11 Claims. (Cl. 88—20)

1. In an ophthalmic lens frame, the combination of a body; a nose piece assembly carried by said body intermediate the ends thereof, said nose piece assembly comprising resilient means; the upper part of said means being movably secured to the assembly; a nose rest carried by the lower portion of said resilient means; means on the assembly engaging said resilient means for moving said resilient means and nose rest vertically of said body; and means carried by the body and engaging said resilient means for

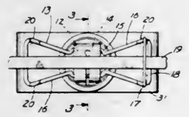


flexing the same to move said nose rest laterally of said body into adjusted position.

2,381,127
LUBRICATING COMPOSITION
Lebbeus C. Kemp, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 25, 1943, Serial No. 477,135
18 Claims. (Cl. 252—48)

1. A lubricant comprising a hydrocarbon oil containing 0.1–10.0% by weight of a substituted alkyl phenyl ester of phosphoric acid, said substituted alkyl phenyl ester being derived from the unsaturated alkyl phenols present in or derived from the oils extracted from the Anacardium genus of the Anacardiaceae family and characterized by the presence of at least one substituent group selected from the class consisting of sulfur and halogen in the unsaturated alkyl radicals thereof.

2,381,128
ORTHODONTIC BRACKET SPRING
Jacob E. Laskin, Shaker Heights, Ohio
Application October 18, 1944, Serial No. 559,142
10 Claims. (Cl. 32—14)

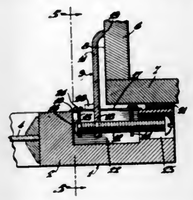


1. In combination with an orthodontic arch bar and arch bar bracket having lateral ears thereon, a traction spring comprising a wire loop, spaced strands in the central portion thereof for seated engagement about the bracket beneath the ears therein, shoulders in said loop intimately engaged with portions of the end walls of the bracket, and means for supporting an end portion of said loop in intimate engagement with the arch bar.

2,381,129
STORM SASH
Otto H. Lind, Cincinnati, Ohio
Application March 15, 1943, Serial No. 479,191
6 Claims. (Cl. 20—55)

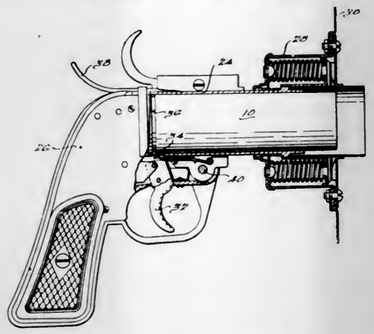
1. The combination of a storm sash having a marginal frame and a pane therein and a clamp device attached to the sash at the marginal frame thereof, said clamp device including a clamping

member extending laterally from one face of the sash and spaced inwardly from the marginal edge



thereof, and a screw which is accessible from another surface of said sash for moving said clamping member.

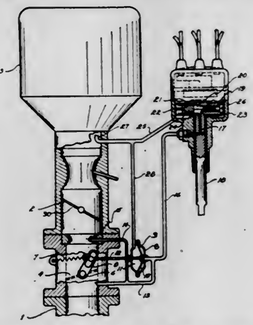
2,381,130
AIRCRAFT PYROTECHNIC
Milby W. Lloyd, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application January 25, 1943, Serial No. 473,568
3 Claims. (Cl. 102—32)



1. Means for signalling from an aircraft having a signal discharger provided with a latch, a signal cartridge comprising an expendable case adapted to be arranged in and releasably anchored to said discharger by means of said latch, a projectile in said case adapted to be ejected therefrom and comprising a combustible flare provided with means for igniting said flare upon being ejected from said case, means for ejecting said projectile from said case and arranged in said case between the base thereof and said projectile, and a line connected to said case and to said flare so as to limit the travel of said flare relative to said case during the burning of said flare so as to trail said burning flare behind and in sufficiently close proximity to said aircraft so as to identify said flare with said aircraft.

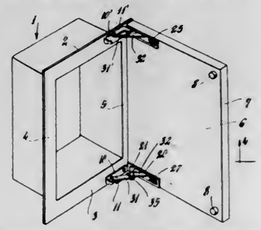
2,381,131
GOVERNOR FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application October 9, 1944, Serial No. 557,831
9 Claims. (Cl. 123—103)

1. In an internal combustion engine having an intake passageway, a governor valve for controlling the flow of motive fluid through said passageway, fluid pressure actuated means connected to said governor valve for imparting movement to the same, a conduit connecting one side of said pressure actuated means into the intake passageway on the engine side of said governor valve, an air bleed for the same side of said pressure actuated means into the intake passageway on the atmosphere side of said governor valve, means for controlling said air bleed in accordance with engine speed and tending to close said air bleed whenever the engine attains a predetermined desired governed speed, and a conduit connecting the other side of the pressure actuated means into



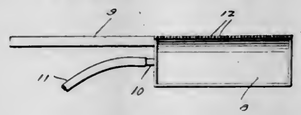
the intake passageway on the atmosphere side of said governor valve whereby any vacuum obtaining in the intake passageway in the vicinity of the air bleed is imposed upon both sides of said pressure actuated means and cancels itself out and the pressure actuated means can move the governor valve to wide open position whenever the speed controlled means opens said air bleed.

2,381,132
CABINET DOOR FIXTURE
Adolph Marchand, Jackson Heights, N. Y.
Application September 26, 1944, Serial No. 555,804
6 Claims. (Cl. 16—138)



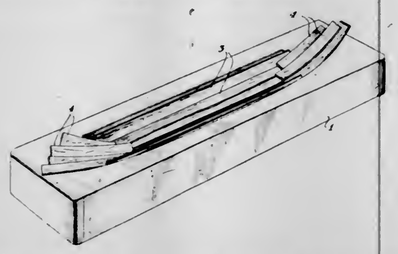
6. A door fixture for a cabinet having a door hingedly and vertically mounted at one side thereof, in combination, a member secured to the cabinet close to its said hinge side and having a portion extending from its end proximal to the said hinge side of the cabinet and a latch projection at its end distal thereto, a casing embedded in the said door close to the said hinge side thereof and opposite to the said member, the said extension of the member being received within the said casing near its end proximal to the said hinge side of the cabinet and pivoted to a side wall thereof, spring means near the end of the casing distal to the said hinge side of the cabinet adapted to yieldingly hold the said latch projection in the closed position of the door, a bar pivoted at one end to the said member near its distal end, a second bar pivoted at one end to the said casing near its distal end, said two bars being articulated at their distal ends and provided with means for limiting the relative turning of the said two bars in the position of the door substantially normal to the cabinet, the said pair of limit bars being adapted upon closing the door to be received in folded relation within the said casing.

2,381,133
SOLUTION-CATCHING DEVICE
John Monteleone, New Orleans, La.
Application October 20, 1944, Serial No. 559,600
4 Claims. (Cl. 132—9)



2. As a means for directly catching excess hair waving solution that may drain from a wound group of hair strands during permanent waving of the hair by the cold process, a trough for reception of the wound group of hair strands, a handle carried by the trough, and a series of upwardly projecting spaced teeth on the upper edge and along one side of the trough, said trough being adapted for reception of the wound group of hair strands in the upper portion thereof, and the teeth passing through the group of strands adjacent the scalp to facilitate maintenance of the trough in proper position with respect to the wound group of hair strands, and a drain nipple for the trough adapted for connection with a suitable point of disposal by means of a flexible hose.

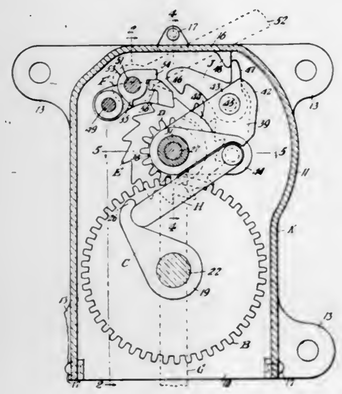
2,381,134
MOLDED BALSA ARTICLE
David Newmark, New York, N. Y., assignor of one-half to William Kramer, New York, N. Y.
Application April 11, 1944, Serial No. 530,581
1 Claim. (Cl. 144—309)



The process of molding articles entirely from balsa wood which consists in impregnating balsa strips including relatively large and small pieces with an adhesive solution, placing said moist strips between female and male mold members with the small pieces adjacent the mold corners, applying heat at around 200° F. to said mold members, and subjecting said balsa strips to a compression pressure of from 200 to 300 pounds per square inch to accord the compressed mass a desired extruded conformation.

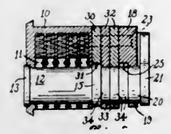
2,381,135
HAND BRAKE
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 25, 1943, Serial No. 503,789
17 Claims. (Cl. 74—505)

1. In a hand brake mechanism, the combination with a rotary chain winding drum; of a gear rotatable with said drum; a pinion meshing with said gear; a ratchet wheel rotatable with said pinion; a pivoted operating lever; an arm operatively connected to the lever and extending radially of the pivotal axis of said lever; a push rod connected to the outer end of said arm having engagement with said gear for actuating the same to rotate said drum; and a pawl eccentrically



mounted with respect to the pivotal axis of said lever and actuated by said lever, said pawl being engageable with said ratchet wheel for actuating the same.

2,381,136
ADJUSTABLE CYLINDER LOCK MECHANISM
Samuel Oxhandler, Flushing, N. Y., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application December 9, 1943, Serial No. 513,544
6 Claims. (Cl. 70—374)



1. A cylinder lock comprising a cylindrical housing having tumblers therein, a key barrel rotatably mounted in the housing, a plurality of sections detachably securable selectively at the rear face of said housing, each of said sections comprising a main portion secured to the housing and conforming in outline thereto, a disk-like member rotatably mounted in said main portion and connected to the key barrel, and a lock-actuating element secured to said disks and to the key barrel.

2,381,137
PROCESS OF PREPARING TETRAKIS-2-CHLOROETHYL SILICATE
Winton I. Patnode and Robert O. Sauer, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 14, 1942, Serial No. 443,022
3 Claims. (Cl. 260—462)

1. The process of preparing tetrakis-2-chloroethyl silicate which comprises reacting ethylene oxide with silicon tetrachloride at an elevated temperature.

2,381,138
2-HALOGENOETHOXY SILICON COMPOUNDS
Winton I. Patnode and Robert O. Sauer, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 14, 1942, Serial No. 443,023
5 Claims. (Cl. 260—462)

1. Halogenoethoxy silicon compounds corresponding to the general formula

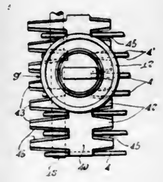
$$R_aR'_bSi(OCH_2CH_2X)_{(4-a-b)}$$

wherein R is a member of the class consisting of hydrogen and monovalent alkyl and aryl radicals, R′ is a member of the class consisting of monovalent alkyl and aryl radicals and XCH_2CH_2O— radicals, X is a halogen atom selected from the class consisting of chlorine and bromine, a and b are integers and are equal to at least 1, and the sum of $a+b$ is not greater than 3.

2,381,139
RESOLUTION OF AZEOTROPIC MIXTURES OF CHLOROSILANES
Robert O. Sauer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 14, 1942, Serial No. 443,024
3 Claims. (Cl. 260—462)

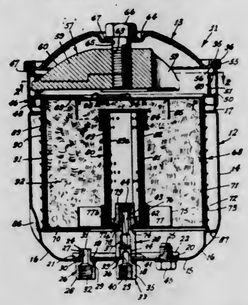
1. The method of resolving an azeotropic mixture of trimethylchlorosilane and tetrachlorosilane which comprises converting the chlorosilanes to the corresponding chloroethoxy derivatives by reaction thereof at an elevated temperature with ethylene oxide and separating the said chloroethoxy derivatives by fractional distillation.

2,381,140
STORAGE BATTERY
George N. Proctor, Verona, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 27, 1941, Serial No. 424,632
1 Claim. (Cl. 136—134)



In combination, a set of battery plates having recessed conducting lugs, and a terminal structure adapted to be fused to the lugs of said plates and comprising a terminal post having a transverse connecting bar secured thereto at one end thereof, said bar having teeth projecting laterally from the opposite sides thereof, said toothed bar and lugs being adapted to interfit in an assembled relationship wherein portions of said lugs at the sides of the recesses thereof are interposed between adjacent teeth of the bar and the bar extends into said recesses.

2,381,141
LIQUID PURIFIER
John K. Russell, Los Angeles, Calif., assignor to Luber-Finer, Inc., Los Angeles, Calif., a corporation of California
Original application May 10, 1941, Serial No. 392,888. Divided and this application December 24, 1941, Serial No. 424,322
14 Claims. (Cl. 210—131)



1. In a liquid purifier, the combination of: a cylindrical casing open at one end and having at the other end an end wall provided with relatively small inlet and outlet apertures, one of which is centrally located in said end wall; a duct means seated in said central aperture; a purifying cartridge assembly having a central conduit and adapted to be readily removably secured to said duct means with said conduit in communication with said central aperture, said cartridge assembly being dimensioned to provide a relatively small clearance space between it and the end and side wall of said casing; stops on the inner surface of said casing formed by indentation of said casing and facing said open end and disposed to limit movement of said cartridge assembly toward said end wall; inwardly facing guides on the inner surface of said casing formed by indentation of said casing and converging inwardly and toward said end wall adapted to guide said cartridge assembly into axial alignment with said casing as said assembly moves toward said closed end and into contact with said stops; and a readily removable cover secured to the open end of said casing.

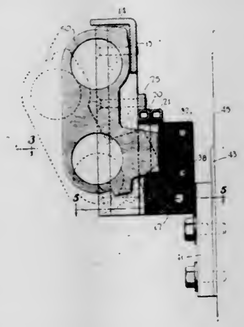
2,381,142
DENTAL FLOSS
Albert A. Stonehill, Brooklyn, N. Y., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
No Drawing. Application April 14, 1942, Serial No. 438,964
6 Claims. (Cl. 18—59)

1. The method of making a dental floss which comprises the steps of forming a thread of a plurality of synthetic fibers of an unplasticized vinyl resin and partially fusing the fibers together by passing the thread through a wax bath at a temperature between 65° C. and 100° C.

2,381,143
INDUCTOR APPARATUS
Harold A. Strickland, Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 11, 1943, Serial No. 498,160
8 Claims. (Cl. 219—13)

1. In an inductive heating unit, a combined workpiece retaining and heating coil, means for

guiding the workpiece into operative relationship to said heating coil, means for arresting the movement of said workpiece in its movement through said coil at the point where the workpiece



is in a state of unstable gravitational equilibrium and where a part only of said workpiece is subjected to inductive heating, and means for supplying electrical energy to said coil.

2,381,144
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 30, 1943, Serial No. 508,345
6 Claims. (Cl. 85—36)

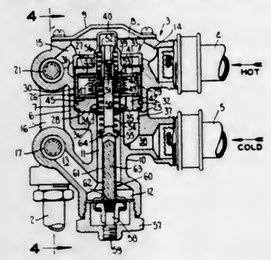


5. A sheet metal nut adapted for automatic attachment to a body having an overhanging plate, said nut having a portion adapted to rest on the overhanging portion of the plate and having a recess in its end for receiving the body, a pair of spring tongues turned upwardly from the nut back of the recess and a pair of edge lugs turned downwardly from the nut, the body of the nut being slitted to produce a pair of opposed tongues which are tipped from the plane of the body into an oblique position and are separated and warped at their ends to provide thread engagement, and the end portion of the nut being bent upwardly to provide a brace connecting the anchored portions of said oblique tongues.

2,381,145
STABLE DIAZO SALT PREPARATION
William Henry von Glahn, Loudonville, William Leo Walsh, East Greenbush, and Clemens Streck, Albany, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 20, 1940, Serial No. 357,614
3 Claims. (Cl. 8—44)

1. Diazo salt preparations containing a diazo salt and an aliphatic sulfonic acid compound selected from the group consisting of aliphatic mono- and poly-sulfonic acids containing not more than four carbon atoms and water-soluble salts thereof.

2,381,146
WATER MIXING VALVE
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 7, 1942, Serial No. 468,038
17 Claims. (Cl. 236—12)



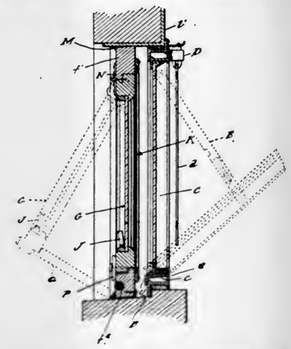
1. A mixing valve comprising, a housing member having end walls and having a chamber with end walls spaced from said housing member end walls, a pair of inlet conduits leading into said housing member for communication with said chamber through said chamber end walls, an outlet conduit leading from said chamber, said chamber end walls having inlet ports, a fluid pressure opened valve member controlling admission of fluid from one of said inlet conduits through one of said ports to said chamber, resilient means tending to hold said valve member closed, a fluid pressure opened valve member controlling admission of fluid from the other of said inlet conduits through an opposite one of said ports to said chamber, thermostatic means responsive to the temperature of the mixed fluids, resilient means tending to hold said second-named valve member closed, said thermostatic means being operable upon temperature increase to overcome said second-named resilient means for opening of said second-named valve member, and means operable by said thermostatic means to limit in accordance with temperature the extent of opening movement of said first-named valve member.

9. In a mixing valve, a tubular casing having end walls, an inflow port through one of said walls, the other of said walls having a central outflow aperture and an inlet valve port, a valve plate in said casing and controlling said inflow port, an annular valve plate controlling flow through said inlet valve port and having its central opening registering with said outflow aperture, and a helical coil spring within said casing and positioned between and urging said valve plates toward port closing position.

2,381,147
CELLAR WINDOW CONSTRUCTION
Charles B. Weedon, Detroit, Mich.
Application September 8, 1942, Serial No. 457,660
9 Claims. (Cl. 160—91)

1. In cellar window assemblages, the combination with a normal cellar window and its casement, wherein the window and its casement are mounted in a wall opening for swinging movement into the cellar between closed and open positions with the general axis of swinging movement extending horizontally within a horizontal edge zone of the window opening, of a storm window assembly mounted within the wall opening external of the normal cellar window and casement, said storm window assembly including a casement independent of the normal window casement, and a sash structure mounted within

the storm window casement, the storm sash having its peripheral edges formed with a cross-sectional contour presenting a pair of substantially parallel plane faces joined by a face perpendicular thereto with the parallel faces differing in width dimension and combinedly presenting the edge width of the storm sash, the edges of the storm window casement being substantially complemental to the edges of the storm

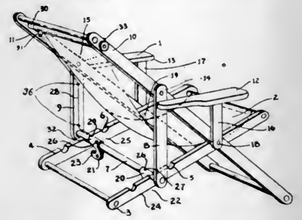


sash, the joint therebetween being of a rabbet configuration, the storm sash being swingable between closed and open positions about a horizontal axis located in one of the edge zones of the storm casement, the storm sash being selectively mountable for swinging either inwardly or outwardly relative to its casement and for swinging in the selected direction when installed for service, releasable means being provided for retaining the window in its closed position.

2,381,148
DEHYDRATION OF UNSATURATED ALCOHOLS
Charles Weizmann, London, England
No Drawing. Application April 1, 1943, Serial No. 481,493
11 Claims. (Cl. 260—681)

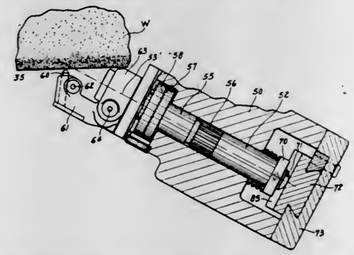
3. A process which comprises heating a mixture containing a sulphonic acid salt of an aromatic amine, with an unsaturated monohydric alcohol, in admixture with a saturated monohydric alcohol, sufficiently to cause dehydration of at least a part of said unsaturated alcohol.

2,381,149
LAWN CHAIR
Henry H. Wenneborg, Springfield, Ill.
Application July 5, 1943, Serial No. 493,563
1 Claim. (Cl. 155—117)



A lawn chair constructed to provide a pair of parallel, forwardly and downwardly sloping front legs connected together by cross rods and a pair of parallel rearwardly and downwardly sloping rear legs pivotally connected therewith and connected together by cross rods, a top cross bar rotatably carried adjacent the top rear ends of said front legs and a fabric seat adjustably supported thereon at its top end and secured at its bottom forward end to a cross rod at the front of the rear legs; said rear legs provided with a plurality of pairs of transversely aligned notches spaced along the upper rear portion of said rear legs and a cross rod selectively adjustable to seat into selected pairs of said notches, a pair of upright struts respectively pivoted to said forward sloping front legs and secured to respective ends of said cross rod by their lower ends, a pair of hook members slidably supported adjacent opposite ends of said cross rod and carried on said cross rod in a position to provide an underslung hook clamp for slidably moving outwardly on said cross rod and hooking transversely under said rear legs respectively to hold said cross rod into said notches when placed therein, said hooks each having an outer top hole defined therein, an elastic member anchored in each end of said top cross bar, coiled about said bar and extending therefrom downwardly along said struts respectively, engaging said holes in said hooks respectively, and guide eyelets spaced along said struts to hold said elastic members in position to urge said hooks outwardly on said cross rod to hook under said rear legs.

2,381,150
DRESSING MECHANISM
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application January 21, 1943, Serial No. 473,067
10 Claims. (Cl. 125—11)

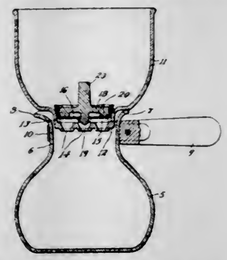


1. Mechanism for dressing a grinding wheel comprising a support, a shaft journaled in said support for oscillatory and axial movement and having its axis inclined to the tip plane of the wheel and lying in a plane, which is intermediate opposite sides of the wheel, a dressing tool secured to the shaft eccentrically thereof, a cam member and a follower engaging therewith, one of which is secured to the shaft and the other of which is mounted on the support, and one of which is adjustable radially of the axis of the shaft, said cam member having an active surface which is of varying inclination to a plane perpendicular to the axis of the shaft, and means for oscillating said shaft.

2,381,151
COFFEE AND TEA MAKER
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application February 17, 1943, Serial No. 476,197
3 Claims. (Cl. 99—316)

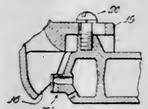
1. In a brewer of the character described, a bowl having a recess in the bottom thereof and

openings extending through the bottom of said recess, a plurality of raised surfaces on the bottom of said recess, a strainer member comprising a sheet of pervious material resting upon said surfaces in spaced position relative to said bot-



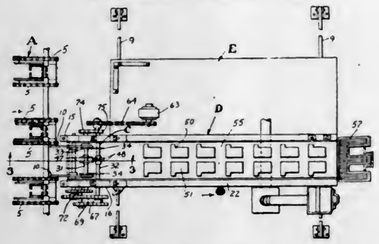
tom, and a drainer member seated upon said strainer and having a plurality of notches along the edge thereof for permitting flow of liquid past said drainer and through the said strainer member.

2,381,152
OVEN BURNER LIGHTER
Ervin F. Dupuis, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 25, 1941, Serial No. 375,885
5 Claims. (Cl. 158—115)



1. In a heavy gas burner and lighter assembly therefor including means defining a burner housing formed with a generally annular heavy gas receiving chamber, the lower peripheral wall of said housing being formed with generally downwardly extending gas discharge ports for feeding and directing heavy gas downwardly to a flame therebelow when ignited, said lighter assembly comprising means readily accessible from above said burner housing for accomplishing the lighting of the gas discharged from said ports therebelow, said means comprising means forming a first primary stack including a generally vertically extending bore having a funnel-like open mouth portion disposed adjacent the side peripheral wall of said burner housing adjacent said gas discharge ports but spaced therefrom sufficiently to permit of the air therebelow as well as the gas being drawn into said stack, said vertically extending bore terminating in an upper open end readily accessible for exposure to a lighting flame, the combination therewith of additional means for directing gas from said annular chamber, mixing the same with air, and delivering the resultant mixture to said funnel-shaped primary stack inlet, said means including a generally vertically extending bore defining a secondary stack, a generally horizontal conduit placing said chamber in communication with said secondary stack intermediate the ends thereof, said vertically extending secondary stack being arranged with the upper terminal portion thereof in the area of said funnel-like open mouth portion of said primary stack, and means defining a perforation in said secondary stack forming a flame travel path for conveying a flame from the upper portion of said secondary stack to the lower portion thereof and hence into position where the same becomes effective to light the gas being discharged from said downwardly directed gas ports in said burner.

2,381,153
TRANSFER MECHANISM FOR GRID PANELS
Carl L. Feldtkeller, Milwaukee, Wis., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Original application October 16, 1943, Serial No. 506,590. Divided and this application June 19, 1944, Serial No. 541,015
14 Claims. (Cl. 164—61)



1. In combination, a plurality of grid panel conveyors, a grid panel parting mechanism, means for shifting the parting mechanism to alignment with any selected conveyor to receive panels therefrom, and a transfer mechanism for transferring panels from any selected conveyor to the parting mechanism, said transfer mechanism being supported on the parting mechanism for position adjustment therewith and being also retractably adjustable with respect to the conveyors to clear the same as the parting mechanism is shifted to receive panels from one to another thereof.

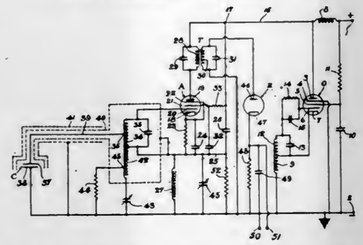
2,381,154
LADDER
Victor M. Fowler, Spokane, Wash.
Application May 24, 1944, Serial No. 537,093
4 Claims. (Cl. 228—31)



1. A ladder having side rails and steps, auxiliary legs at opposite sides of the ladder, a shoe carried by the upper end of each leg and having a longitudinally curved tongue projecting upwardly therefrom, a plate mounted against the outer side face of each side rail and having a tongue at its upper end bent outwardly and downwardly to form a hook, a loop carried by and projecting outwardly from each side plate, a J-bolt for securing each shoe to the companion leg having its bill loosely engaged through the companion loop of the companion plate to mount the leg for movement from inoperative position close against the outer side of the companion rail to extended position in which the tongue fits

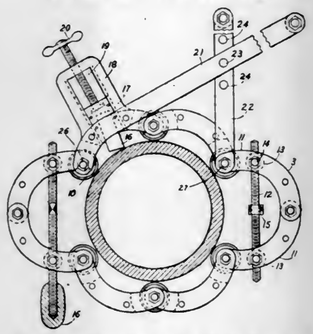
under the companion hook in binding engagement therewith, and a hook carried by said shoe for removably engaging through an eye of the plate and holding the auxiliary leg extended.

2,381,155
ELECTRIC CIRCUITS
Joseph C. Frommer, Chicago, Ill., assignor to Rolling & Engraving Mills, Inc., Chicago, Ill., a corporation of Illinois
Application February 18, 1943, Serial No. 476,361
31 Claims. (Cl. 250—27)



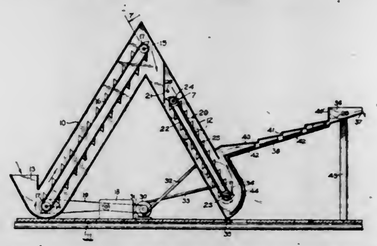
30. In an electric circuit to be influenced by small changes of a capacitance, an oscillator tube, a point supplied with high frequency potential from said oscillator tube, a vacuum tube amplifier having at least one discharge system which comprises a cathode, an anode and at least one grid electrode, said cathode being connected to said point of high frequency potential for imparting to said cathode high frequency potential with respect to ground, and a tuned circuit having connected one end of its inductance to said grid and a point of this inductance to said point of high frequency potential, of the two plates of said capacitance one being connected to another point of said inductance and the other to ground.

2,381,156
PIPE-CUTTING TOOL
John B. Gill, San Francisco, and Telford L. Smith, South San Francisco, Calif.
Application May 17, 1944, Serial No. 535,958
5 Claims. (Cl. 30—100)



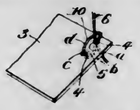
1. In a pipe cutting tool, a chain adapted for placing around a pipe and comprising a plurality of links having pivots connecting the same, one of the pivots being lifted away from the pipe to cause adjacent links to project from the pipe for bringing the two opposite pivots of said links into closer proximity to one another and for reducing the overall length of the chain, and means for adjusting the spacing between the latter two pivots.

2,381,157
METALS RECOVERY APPARATUS
Roy O. Gray, Denver, Colo., assignor of one-half to C. F. Gillette, Denver, Colo.
Application March 28, 1942, Serial No. 436,663
8 Claims. (Cl. 209—184)



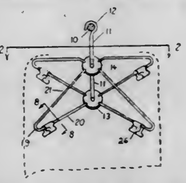
1. In apparatus of the character described, a mercury body of substantial altitudinal extent, a bucket chain for entraining ore material to the lower part of said body and a mercury jet directed against said buckets successively to force said ore material from said buckets.

2,381,158
VENETIAN BLIND
Oscar Green, Detroit, Mich.
Application June 29, 1944, Serial No. 542,677
4 Claims. (Cl. 160—166)



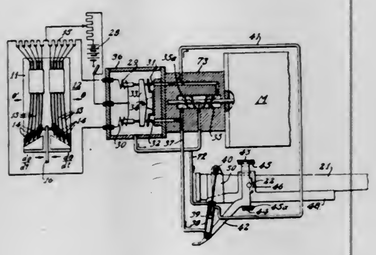
1. A Venetian blind comprising slats, cords supporting the slats, said slats having pairs of openings, the cords being looped through the openings to support the slats.

2,381,159
COMBINED COAT AND SKIRT HANGER
Elmo Hall, Denver, Colo.
Application August 9, 1944, Serial No. 548,675
4 Claims. (Cl. 223—91)



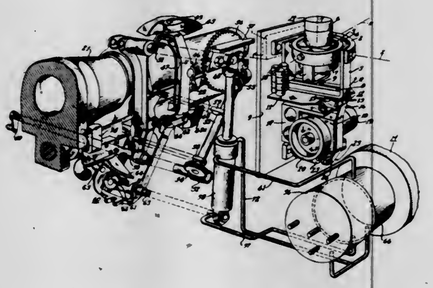
1. A combined coat and skirt hanger comprising, a supporting bar adapted for vertical suspension, two disks secured to the bar in fixed spaced relation, in planes perpendicular to the bar, the disks having the same number of equiangularly spaced holes, the disks being arranged with the corresponding holes positioned in the same diametrical plane, forming cooperating pairs, and a V-shaped supporting arm for each pair of holes, the limbs of each arm terminating in hooks lying in the plane of the arm and extending in the same direction, for engagement in the upper and lower hole of each pair, the hook on the lower limb being forwardly and downwardly inclined, the upper limb having a downwardly extending end portion for insertion in the corresponding hole in the upper disk.

2,381,160
STABILIZING AND POSITIONING APPARATUS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1940, Serial No. 366,877
12 Claims. (Cl. 60—52)



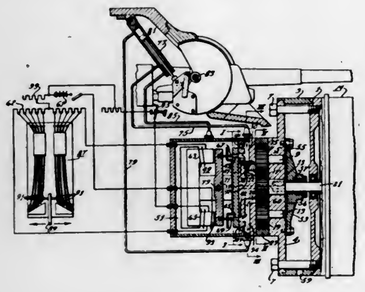
2. Indicating means for determining the direction of the earth's center comprising, in combination, a support, a bracket mounted thereon having two oppositely-disposed pivotal bearings, a gyroscope having gimbals pivotally mounted on said bracket bearings and including a vertically-disposed gyrowheel and motor for driving the same, a housing for said motor, a stud rigidly secured to said housing, a substantially U-shaped member having its end pivotally mounted on said bracket bearings and having an elongated track having friction surfaces at the sides thereof adapted for cooperation with said stud so as to offer resistance to the precession movement of said stud following a disturbance which tends to rock said support and said gimbals, the axis of said gyrowheel thereby always tending to align itself with the earth's center.

2,381,161
GUN STABILIZING APPARATUS
Lawrence B. Lynn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1940, Serial No. 366,918
2 Claims. (Cl. 89—41)



1. In combination with a trunnion-mounted gun and an automatically-controlled liquid pressure system for positioning the gun about its trunnion axis, means providing for utilization of said system to oppose angular movement of the gun due to unbalance thereof brought about by recoil, and means responsive to recoil motion of the gun to render said means effective.

2,381,162
HYDRAULIC SYSTEM FOR STABILIZERS
Frank W. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 24, 1941, Serial No. 424,307
7 Claims. (Cl. 103—41)

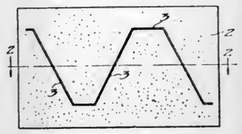


1. In apparatus providing two simultaneously-effective supplies of motive liquid for a pressure-responsive device, first and second simultaneously-operating, positive-displacement gear pumps; a reservoir for liquid; passages for the supplies of liquid open to the outlets of the respective pumps; pump inlet passages communicating with the reservoir; bypass passages for conducting liquid from the respective supply passages to the reservoir and having valve seats facing in the direction of flow therethrough; a pair of valves movable toward and away from said seats to change the flows through the by-pass passages in order to change the supply passage pressures; mechanism for connecting said valves so that the force of liquid pressure applied to one valve is opposed by that applied to the other; said mechanism including a rocker, stems connected to the valves and abutting opposite ends of the rocker, and pivot means for the central portion of the rocker and reacting to oppose liquid pressure forces exerted thereon; a controlling member movable in opposite directions from a mid position; and means for applying oppositely-acting tilting forces to said connecting mechanism and responsive to departure of the controlling member from mid position in opposite directions to vary the tilting forces relatively to control the positions of the valves relative to their seats and consequently the relative liquid pressures in said supply passages so as to provide, with the controlling member in mid position, for a predetermined relation of pressures in the supply passages and to provide, with departure of the controlling member from mid position, for increase in one supply passage pressure and decrease in the other supply passage pressure according to the direction and extent of departure.

2,381,163
ELECTRICAL INSULATING MATERIAL
Charles Gordon Harford, Wollaston, Mass., assignor, by mesne assignments, to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
No Drawing. Application February 15, 1943, Serial No. 475,949
2 Claims. (Cl. 260—765)

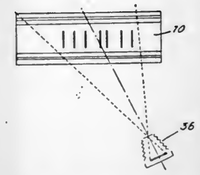
1. A vulcanizable composition containing one to two parts of mica for each part of rubber, and containing sulphur in a sufficient amount as to give a hard vulcanized rubber.

2,381,164
ART OF SHADOW SCREEN INSPECTION AND METHOD AND ARTICLE RELATED TO THE SAME
Oscar C. Hedin, Cleveland Heights, Ohio, assignor to The Weldon Tool Company, Cleveland, Ohio, a corporation of Ohio
Application December 10, 1942, Serial No. 468,557
1 Claim. (Cl. 88—24)



A chart or master drawing adapted for use with the screen of an optical inspection machine comprising, a substantially transparent base material having thereon a material providing a field adapted to visualize a shadow, portions of said field material being modified to provide line delineations made to scale and representative of an enlarged scale drawing of the profile of an article to be inspected, which modified portions are substantially more transparent to the passage of light than is the shadow-receiving material of said field.

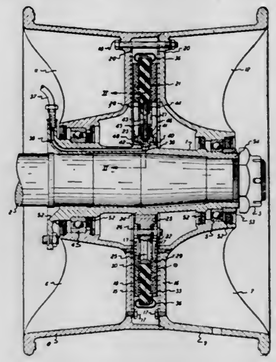
2,381,165
METHOD OF AIDING IN THE CREATION OF A LINE RENDITION IN TRUE PERSPECTIVE OF AN OBJECT TO BE DEPICTED
Edward C. Hoffman, Montclair, N. J.
Application August 19, 1943, Serial No. 499,288
6 Claims. (Cl. 35—26)



1. The method of obtaining spaced basic lines from which a line drawing in true perspective of an object to be drawn may be completed which consists in first drawing on separate sheets or the like, and to a given scale, at least a portion of the actual outline of different selected spaced portions of said object; in next photographing with a camera by successive exposures of one and the same sensitized medium, each said outline; said sheets or the like on which said selected outlines are drawn being placed within the field of the camera lens so as to occupy the same position in space with respect to each other and to the camera lens as would the corresponding parts of the object if so placed and viewed; and in thereafter transferring onto a sheet on which the completed drawing is to be made the outlines so photographed.

2,381,166
WHEEL BRAKE
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application January 29, 1942, Serial No. 428,643
13 Claims. (Cl. 188—152)

1. In a wheel of the character described, a hub, a body supported by said hub, bearings between said hub and said body, a pair of annular axially spaced brake friction members supported by said body, a unitary brake supporting part having a splined connection with said hub, brake members connected at their inner ends to said part and extending radially into operative rela-



tion with and between said friction members, and means to actuate said brake members, whereby said splined connection permits the brake members and part to axially float between said friction members as a unit.

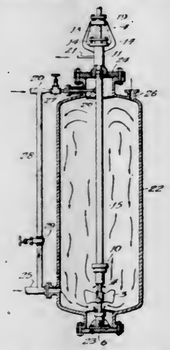
2,381,167
ELECTROLYTICALLY POLISHING STAINLESS STEEL
Charles R. Horwedel, Lakewood, and William J. Resch, East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application June 28, 1943, Serial No. 492,603
2 Claims. (Cl. 204—140)

1. A stainless steel electrolytic polishing method comprising making the steel the anode in an electrolyte consisting of one part, by volume, of a solution of 60% chromic acid and 40% water, by weight, and from two to four parts, by volume, of a water solution of an acid of the class consisting of acetic and formic acids, the acetic acid solution consisting of 99.8% acetic acid and .2% water, by weight, and the formic acid solution consisting of 90% formic acid and 10% water, by weight, at a current density of from 150 to 350 amperes per square foot of anode surface and with the electrolyte temperature not exceeding 90° F.

2,381,168
PROCESS WHEREIN FLUID HYDROCARBONS ARE CONTACTED AND MIXED WITH ACIDIC FLUID IN A CONFINED ZONE
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Original application May 25, 1942, Serial No. 444,328. Divided and this application September 20, 1943, Serial No. 503,053
5 Claims. (Cl. 260—683.4)

1. In a process wherein a plurality of fluids are mixed in a closed receptacle by an impeller immersed in a mass of the fluids to be mixed and driven by a shaft journalled in bearing means therefor, at least one component of the mixture being corrosive and at least one other component thereof being relatively non-corrosive, the improved mode of operation which comprises providing about said shaft a confined space in com-

munication with said bearing means, supplying said corrosive component directly to said mass within the receptacle and supplying at least a



portion of the non-corrosive component to said confined space and then passing the same between said shaft and bearing into said mass.

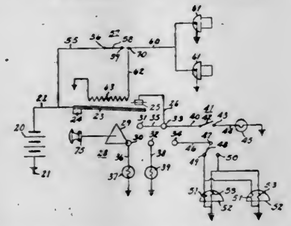
2,381,169

LIGHTING SYSTEM

Kenneth L. Jones, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 12, 1943, Serial No. 494,311

6 Claims. (Cl. 315—83)



1. A lighting system for an automotive vehicle comprising, a current source; a main head light circuit; an auxiliary head lamp circuit; a thermal switch element in the main head light circuit and responsive to overload currents in the main lamp circuit and also to excessive heat to open the main head lamp circuit; a main switch in circuit with the source for controlling the head lamp circuit; an auxiliary switch in circuit with the source for controlling the auxiliary head lamp circuit; a resistance connected in a circuit in parallel with the auxiliary head lamp circuit which will heat up to activate the thermal element to open the main head lamp circuit upon closure of the auxiliary switch.

2,381,170

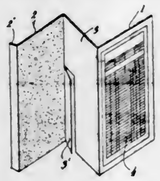
SCREEN TYPE TRANSFER AGENT DUPLICATING FORM

John R. Kendig, East Orange, N. J., assignor to Gobin Smith, East Orange, N. J.

Application September 23, 1943, Serial No. 503,543

6 Claims. (Cl. 101—131)

1. A duplicator comprising a single sheet of paper having side edges at its ends and upper and lower edges, said strip being foldable in spaced relation to its ends to provide end sections and an intermediate section integral with the end sections, one end section constituting a master sheet having front and rear faces and the other end section having a face coated with a transfer agent and constituting a carbon sheet, said intermediate sheet constituting an anti-smudge sheet disposed between inner side edges of the master sheet and the carbon sheet, said duplicator being initially folded along opposite side edges of said anti-smudge sheet to dispose the anti-smudge sheet between the rear face of the master sheet and the coated face of the carbon sheet, said duplicator being foldable along the said side edges of the anti-smudge sheet to dispose the carbon sheet between the anti-smudge sheet and the rear face



of the master sheet with its coated face confronting the rear face of the master sheet for reproducing upon the said rear face of the master sheet markings inscribed upon the front face of the master sheet, and the duplicator being also foldable to dispose the master sheet back of the carbon sheet with its rear face exposed for reproducing matter thereon when the duplicator is passed through a duplicating machine together with a sheet of paper to receive an impression from the rear face of the master sheet.

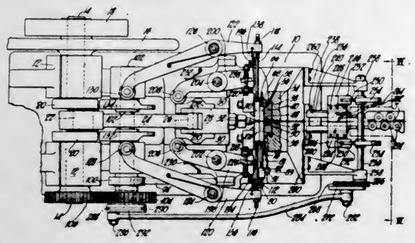
2,381,171

DUPLEX HEAD NAIL MACHINE

Robert A. Little, Donora, and Joseph A. Rice, Belle Vernon, Pa., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 18, 1943, Serial No. 506,742

9 Claims. (Cl. 10—43)



9. The combination with a nail machine having coacting pinch dies, a cutter and a reciprocating hammer effective to form a duplex head on nail stock fed thereto, of a delayed action stock feeding means comprising a power-driven member whose movements are synchronized with those of said hammer, a drive plate pivotally connected to said member, a sector adjustably secured to said drive plate and arranged to be oscillated through a predetermined angle by said member, a shaft carrying a gear actuated by said sector, a cam on said shaft, and a nail stock feed carriage actuated by said cam and carrying a nail stock gripper, said cam having an active feed portion effective to advance nail stock to position to be gripped by the aforesaid pinch dies and a passive dwell portion to provide a delay interval of sufficient duration to allow for the actuation of the aforesaid cutter, pinch dies and hammer while said power-driven member is in motion.

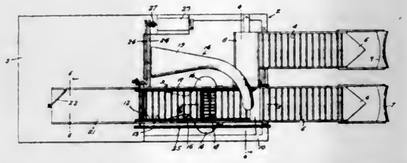
2,381,172

POTATO HARVESTING MACHINE

Loren L. Lundberg, Pine Bluffs, Wyo.

Application September 9, 1943, Serial No. 501,691

1 Claim. (Cl. 55—51)



A potato harvesting machine comprising a frame having rear supporting wheels, a pair of spaced parallel inclined endless conveyors extending forwardly and downwardly from the front end of said frame, plows on the forward ends of said conveyors, clod-crushing rollers mounted on the forward ends of the conveyors in front of said plows and supporting the front of the frame, an inclined elevating conveyor mounted longitudinally of and on the forward portion of the frame adjacent one side of the latter and aligned with one of said pair of conveyors to receive dirt and vines and potatoes from the same, a transverse apron mounted on the forward end of the frame and arranged to receive dirt and vines and potatoes from the other of said pair of conveyors and discharge the same onto the forward end of said elevating conveyor, means to separately remove dirt and vines from said elevating conveyor and discharge the same rearwardly onto the ground below the frame, a platform on the rear portion of the frame, and a longitudinal apron mounted above the platform in line with the elevating conveyor to receive the potatoes from the latter and convey the same rearwardly for bagging on the platform.

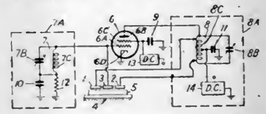
2,381,173

CRYSTAL OSCILLATOR AND MOUNTING

Kenneth G. MacLean, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1942, Serial No. 441,191

8 Claims. (Cl. 250—36)



1. An oscillation generator comprising a vacuum tube having input and output circuits, a piezo-electric crystal having a plurality of electrodes, circuits coupling two of the electrodes of said crystal to input electrodes of said tube, another pair of said crystal electrodes coupled to the output circuit of said tube and means for applying a neutralizing voltage to still another pair of electrodes of said crystal to compensate for undesired capacity coupling between said input and output circuits, or through the vacuum tube.

2,381,174

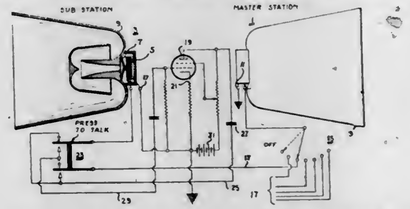
COMMUNICATION SYSTEM

Frank Massa, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application November 16, 1942, Serial No. 465,660

22 Claims. (Cl. 179—1)

1. In an electrical communication system having a given frequency range, a microphone having a substantially flat response characteristic, a telephonic receiver having a rising response characteristic and a capacitive reactance, and an amplifier having an input circuit connected to



said microphone and having a high impedance output circuit connected to said receiver whereby said system has a substantially flat frequency response over a large part of said frequency range.

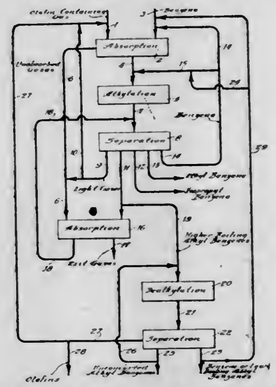
2,381,175

PRODUCTION OF ALKYL AROMATIC HYDROCARBONS

William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 22, 1943, Serial No. 476,663

11 Claims. (Cl. 260—671)



1. A process for the production of alkyl aromatics which comprises absorbing normally gaseous olefins in an aromatic hydrocarbon fraction in a first absorption step, separating a solution of olefins in said aromatic fraction from unabsorbed gases which contain a substantial quantity of said aromatic, supplying said aromatic-olefin solution to an alkylation step, introducing the reaction products into a separation zone, recovering lower boiling alkyl aromatics, recycling unconverted aromatics to said first absorption step, separating higher boiling alkyl aromatics, contacting said higher boiling alkyl aromatics in a second absorption step with unabsorbed gases from said first absorption step, and recycling a solution of said aromatic reactant in said higher boiling alkyl aromatics to said separation step.

2,381,176

LOCK NUT AND NUT PLATE

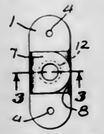
Charles C. Misfeldt, Glendale, Calif.

Application August 4, 1941, Serial No. 405,313

3 Claims. (Cl. 151—20)

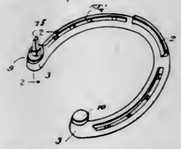
1. A lock nut comprising a basal portion having an aperture therethrough, and an integral

extension thereto folded in reverse folds without projecting below the basal portion to form a series of layers with the end portion of said extension constituting the top layer, said layers



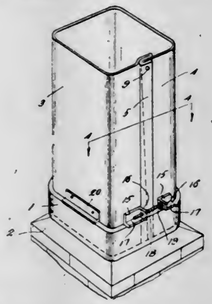
having aligned threaded bolt receiving holes therethrough, said extension being unsecured to allow movement of the layers relative to the basal portion.

2,381,177
HORSESHOE
Rollin C. Mitchell, Spokane, Wash.
Application December 16, 1943, Serial No. 514,514
4 Claims. (Cl. 168—33)



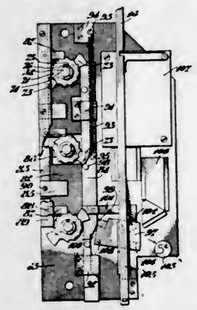
1. A horse shoe having heel portions formed with depending enlargements, inserts of hard metal cast into the enlarged heel portions and each being of frusto conical shape and formed at its lower end with a flat disc-like head in flat face to face engagement with the under face of the heel portion in which its frusto conical portion is embedded, said head being formed at its periphery with recesses for receiving portions of the enlargement and holding the insert against turning movement, a calk having a disc-like body, a threaded stem carried by the body and screwed into the socket, a locking washer about the stem, the inner face of the body being formed with a circular recess about the stem for receiving the locking washer, the outer face of the body being formed with wrench-receiving recesses, and a spike projecting from the outer face of the body in alinement with the stem.

2,381,178
CHIMNEY LINER EXTENSION
Lester H. Munyon, Spokane, Wash.
Application July 27, 1944, Serial No. 546,789
1 Claim. (Cl. 72—88)



An expansible and contractible extension for a chimney flue liner comprising a sheet of metal formed into a tube provided with an expansion joint extending its full height and formed by folding a side edge portion of the sheet metal, back and forth to form a pocket open along its outer side and fitting the other side edge portion of said sheet metal into the pocket, a pin passing through the upper ends of the interfitting portions of the sheet metal and pivotally connecting same, brackets carried by said wall at opposite sides of said joint and having ears projecting laterally from the tube, and a bolt passing through said ears and carrying nuts abutting confronting side faces of the ears to expand the tube for tight fit within a chimney flue liner, and cleats projecting laterally from the tube cooperating with the brackets for resting upon the upper ends of the flue liner and supporting the tube in the liner.

2,381,179
BOTTLE DISPENSING MACHINE
George H. Nitschman, Lima, Ohio, assignor to The S. & S. Products Company, Lima, Ohio, a copartnership of Ohio
Application February 25, 1942, Serial No. 432,170
12 Claims. (Cl. 194—93)

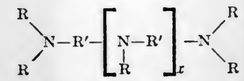


6. A refrigerating cabinet for dispensing bottled goods, said cabinet providing an inclined shelf, a rotatable cylinder providing a semi-cylindrical receptacle adapted to receive bottles progressively at the lower end of the shelf, stop means normally in stopping position below the receptacle, said stop means including an arm engaging the receptacle until the receptacle is rotated through 180 degrees and the horizontal edge of the receptacle clears the arm, and thereupon releases the stop means, and means for catching the bottle.

9. Means for controlling rotation of a plurality of cylindrical elements comprising a common lock bar vertically disposed along the front of the machine alongside the respective axes of rotation of the cylindrical elements, means for preventing back rotation of the elements, pins on the lock bar, one for each cylindrical element, rotatable means for rotating said cylindrical elements a radial arm carried by the rotatable means for each element adapted to engage the respective pins and thereby move said lock bar, spring means normally maintaining the lock bar in retracted position, a pivoted latching member engaging the lock bar for preventing cylindrical element rotating movement, a coin delivery means, and supporting means on the latching member for receiving the coin, said lock bar including means for engaging a coin supported by said supporting means whereby said coin is interposed between said latching member and lock bar and becomes effective for rotating the latching member out of locking engagement with the lock bar and for tipping the latching member to drop the coin when it has performed its function of unlatching the lock bar upon movement of said lock bar.

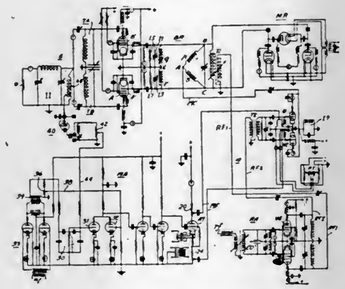
2,381,180
STABILIZED CYCLIZED RUBBER
Harold J. Osterhof, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 12, 1942, Serial No. 434,363
3 Claims. (Cl. 260—734)

1. A cyclized rubber having admixed therewith in a quantity sufficient to act as a stabilizer the condensation product of an aldehyde and a polyalkylene polyamine having the structural formula



in which R′ is alkylene, R is selected from the group consisting of aliphatic, cycloaliphatic, alicyclic, and ring-substituted aliphatic radicals and hydrogen, and x is a whole number from 1 to 10, said polyalkylene polyamine containing at least one amino hydrogen atom.

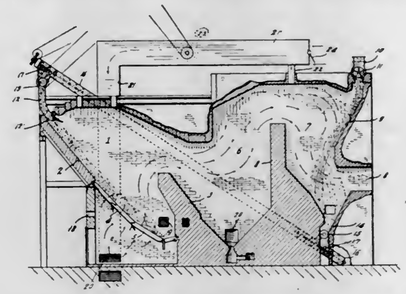
2,381,181
RADIO TRANSMITTER
Thomas Henry Price, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 5, 1943, Serial No. 481,822
In Great Britain January 16, 1942
16 Claims. (Cl. 250—17)



1. In a phase-swing radio-frequency transmitter, a power-absorbing device, two-tube stages each having input and output electrodes, connections for applying radio-frequency oscillatory energies to the input electrodes of each stage the relative phase positions of which energies are varied during modulation, and a quarter wave impedance-inverting device or network coupling the output electrodes of each tube stage to said power-absorbing device.

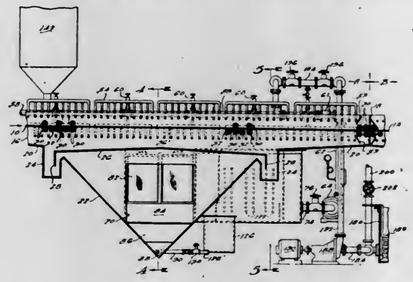
2,381,182
APPARATUS FOR BURNING REFUSE
Nick T. Puckett, Indianapolis, Ind., assignor to M. A. Hofft, Indianapolis, Ind.
Application November 19, 1942, Serial No. 466,113
3 Claims. (Cl. 110—8)

1. In a combustion furnace for handling refuse, such refuse having an excess of moisture, said furnace having a fire chamber provided with a fuel inlet and having a bridge wall at its rear and an inclined combustion grate extending downwardly and rearwardly from the fuel inlet to the bridge wall, said furnace having a combustion chamber at the rear of said bridge wall and said combination chamber having an outlet flue, said combustion chamber having a fuel feed opening in the top thereof through which the wet fuel is fed into said combustion chamber, conveyor means in the bottom of said combustion chamber for receiving the material fed into the top thereof, said fuel adapted to pass through the products of combustion before said products



of combustion pass into the furnace flue to heat the same and have some of the moisture content removed therefrom, and conveyor means for receiving the drier material from said combustion chamber and discharging the same to the grates of the furnace.

2,381,183
APPARATUS FOR AND METHOD OF RUSTPROOFING
Ernest W. Richards, St. Clair Shores, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.
Application April 28, 1942, Serial No. 440,853
15 Claims. (Cl. 148—6.5)

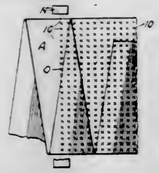


1. In a method comprising the passing of metal between a succession of rolls and wetting it with a chemical solution during its passage, where the chemical solution is an acidulous one which reacts with the metal and forms insoluble salts of the acid part of which adhere to the metal as a coating, the steps which comprise applying said chemical solution to metal as it is passed through the rolls, draining the solution from the rolls, and directing the drained solution in one path and circulating it to where it again wets metal passing through the rolls, stopping the circulation of said solution, while said circulation is stopped applying to the rolls a cleaning solution containing the same acid as, but having a lower pH than, the said chemical solution and adapted to remove sludge from the rolls, draining the cleaning solution from the rolls and directing the drained cleaning solution in a path different from the first said path.

7. Apparatus for chemically coating sheet metal comprising a cooperating pair of rolls through which sheet metal may be passed, nozzles in position to apply liquid to said rolls, two sep-

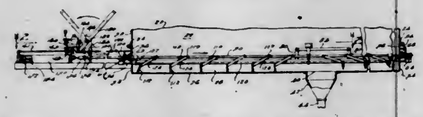
arate reservoirs adapted to hold different solutions, means to pump liquid alternatively from said reservoirs to and through said nozzles, a plate beneath said rolls in position to receive liquid draining therefrom, and means to direct liquid from said plate alternatively to said reservoirs.

2,381,184
REINFORCED TEXTILE FABRIC AND PROCESS OF MAKING
George K. Ripley, Troy, N. H., assignor to Troy Blanket Mills, Troy, N. H., a corporation of New Hampshire
Application November 23, 1943, Serial No. 511,422
4 Claims. (Cl. 28—72.2)



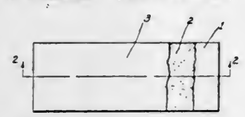
1. A laminated textile material made up of a flat reinforced textile fabric having a top face, a bottom face, ends and substantially parallel sides made of unspun textile fibres and a plurality of lateral threads, comprising a lateral sheet of unspun textile fibres folded diagonally back and forth between the sides of the fabric and a plurality of lateral threads substantially parallel with the edges of and positioned on one face of said sheet; a plurality of longitudinal threads which do not penetrate and which are parallel with the sides of and which rest on one face of said fabric; and a longitudinal sheet of unspun textile fibres extending between the sides of the fabric and over said longitudinal threads.

2,381,185
CONVEYER MECHANISM
Roger M. Rogers, Birmingham, and Alexander Marriott Walker, Dearborn, Mich., assignors to C. E. Rogers Company, Detroit, Mich., a copartnership composed of Charles A. Rogers, Elmer Donald Rogers, and Roger M. Rogers
Application October 9, 1943, Serial No. 505,678
9 Claims. (Cl. 198—224)



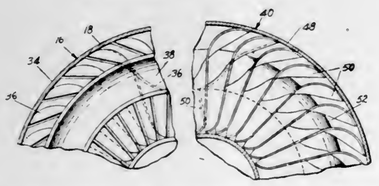
3. In conveying mechanism, in combination, a reciprocable drag rod, a plurality of scraper blade members each comprising a scraper blade and an arm connected thereto, means pivotally connecting the free ends of said arms to said drag rod at points spaced longitudinally of said drag rod, and means for effecting pivotal movement of said scraper blade members with respect to their points of connection with said drag rod comprising an actuating rod frictionally but slidably supported on said drag rod and operatively engaging said arms of said scraper blade members between the opposite ends thereof, and means for effecting movement of said actuating rod first in unison with reciprocatory movement of said drag rod and then relatively axially with respect to said drag rod during each reciprocatory stroke of said drag rod.

2,381,186
RUBBER-TO-METAL ADHESIONS
Glen F. Roquemore, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application November 3, 1942, Serial No. 464,424
2 Claims. (Cl. 154—43)



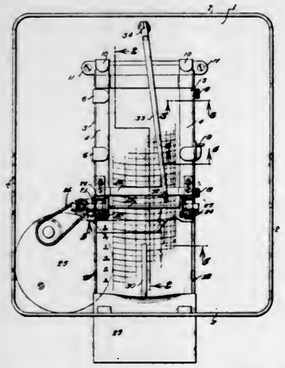
1. An article comprising a rubber part and a metal part and, therebetween, a bonding layer comprising a major proportion of a cyclized rubber adhesive and a minor proportion of an organic diisocyanate.

2,381,187
FLUID COUPLING
John Frederick Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 14, 1941, Serial No. 402,373
3 Claims. (Cl. 60—54)



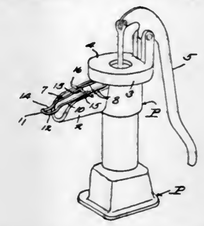
2. A fluid coupling comprising an impeller having blades twisted throughout their lengths with their inlet and outlet edges inclined in opposite directions, and a turbine opposed to the impeller having blades twisted throughout their lengths with their inlet and outlet edges inclined in opposite directions, the edges of the impeller blades and turbine vanes crossing one another.

2,381,188
CHART CHANGER
John A. Swindle, Whittier, Calif.
Application April 3, 1943, Serial No. 481,703
7 Claims. (Cl. 271—39)



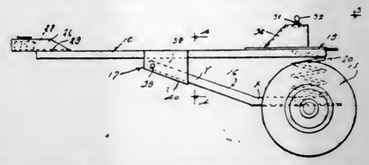
1. In a chart feeding and changing mechanism, the combination of: a magazine adapted to receive a stack of chart sheets and having an abutment at one end thereof for limiting endwise movement of the chart sheets and defining with a side of the magazine a discharge slot for the outermost chart sheet, means in said magazine for urging the stack of chart sheets against said side of the magazine, gravity pressed hinged feeder wheels extending in the said slot to engage the uppermost chart sheet, means to adjust said wheels relative to said chart sheets, means for driving said wheels at a predetermined rate to move the chart sheets one at a time through said slot, and means for collecting chart sheets fed from said magazine.

2,381,189
BUCKET HANGER
Vallie A. Thomas, Washington, D. C.
Application October 6, 1944, Serial No. 557,460
4 Claims. (Cl. 248—212)



1. A bucket hanger for use on a pitcher pump, comprising an approximately U-shaped body including side arms and a bend connecting the outer ends of the arms, the inner ends of the arms having upstanding fingers and a cross piece carried by the intermediate portions of the arms and extended outwardly beyond the arms.

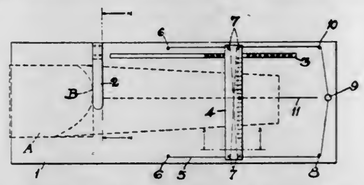
2,381,190
TRAILER CONNECTION
Walter J. Tiner and Dick G. Phillips, Long Beach, Calif.
Application September 13, 1943, Serial No. 502,132
10 Claims. (Cl. 280—33.4)



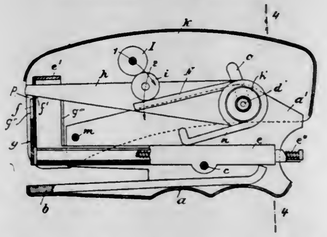
1. A device for connecting a trailer and a motor vehicle including, a link, means for connecting one end of the link to the trailer, means for connecting the other end of the link to the vehicle, a rigid axle arranged transversally below the rear portion of the link, spring means supporting the rear end portion of the link from the axle, wheels on the end portions of the axle, and an arm connected to the axle and extending upward and forward from the axle and pivotally connected to the link.

2,381,191
TROUSERS MARKING DEVICE
Fred W. Trumbull, Los Altos, Calif.
Application February 28, 1944, Serial No. 524,316
6 Claims. (Cl. 33—2)

1. In a trousers marking device, a substantially flat support upon which trousers may be supported for marking purposes, a trousers crotch engaging member mounted on the support, a straight edge movably positioned on the support and mounted for adjustment toward or away from the crotch engaging member, means for maintaining the straight edge in a predetermined angular position while it is adjusted toward or away from the crotch engaging member, and a scale positioned on the support in substantial alignment with the direction in which the straight edge may be adjusted.



2,381,192
STAPLING DEVICE
Rudolf Vancura, Vienna, Germany; vested in the Alien Property Custodian
Application November 1, 1938, Serial No. 238,144
In Germany July 9, 1938
6 Claims. (Cl. 1—49)

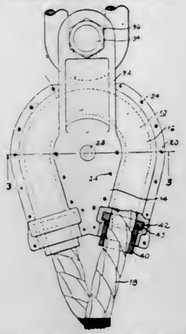


1. In a device of the type indicated, the combination of an elongated anvil arm, fastener applying mechanism, an elongated staple magazine, carried by said arm, said magazine having an exit end disposed adjacent said applying mechanism, means for yieldingly urging said staples longitudinally of the magazine toward said exit end, shiftable means disposed adjacent said exit end for blocking the longitudinal movement of said staples, an elongated narrow cap, a pivot connecting said arm and said cap, said cap being movable to two positions and adapted, in one of these positions to substantially cover said mechanism and arm, and being adapted to be swung through a relatively small angle towards said arm for actuating said mechanism, and through a much greater angle away from said arm to a second position in which it is adapted to expose said mechanism and simultaneously to act as a protective shield against staples shot out accidentally from the exit end of said magazine when said blocking means is removed.

2,381,193
TOWLINE THIMBLE
Aurel Vaszin, Dayton, Ohio
Application May 1, 1944, Serial No. 533,607
4 Claims. (Cl. 287—81)

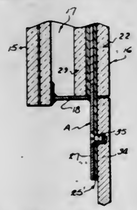
1. A thimble for use with a rope or cable including a pair of members each having a web portion merging into a semi-annular channel, the semi-annular channels of the two members cooperating to form a round aperture having a horseshoe contour into which a loop of the rope

or cable is seated, each of said members including a flange extending beyond the channel for



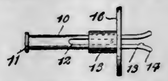
attaching the members together, and means for securing the channels together so as to hold the channels in a unitary structure.

2,381,194
MULTIPLE GLAZING UNIT AND MOUNTING THEREFOR
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 4, 1941, Serial No. 413,622
8 Claims. (Cl. 20—56.5)



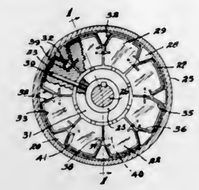
1. A multiple glazing unit, comprising a pair of transparent panels arranged in face to face relation and spaced from one another, a flexible metal member carried by one of said panels and projecting outwardly beyond the edges thereof to provide an attaching flange, a metallic coating on the other panel, and metal separator means arranged between the panels at the edges thereof and being soldered to the flexible metal member of the one panel and to the metallic coating on the other panel.

2,381,195
PIN CURL HAIR ROLLER
Henry Clay Whittaker, Memphis, Tenn.
Application January 29, 1944, Serial No. 520,302
1 Claim. (Cl. 132—34)



A hair-shaping device comprising a spindle member having a longitudinally slitted hair-receiving end portion, a sleeve thereon having a flange at its outer end, said spindle being formed with a flanged head portion at the end opposite the slotted end portion, the extremity of the slotted end portion being flared, for the reception of hair strands therein, and the ends of said spindle adjacent the slot being extended divergently outwardly away from the slot for retention of said sleeve against casual disengagement, and compressible toward each other, permitting removal of said sleeve.

2,381,196
CENTRIFUGAL CLUTCH
Norman Bruce Wilson, Toronto, Ontario, Canada
Application February 25, 1943, Serial No. 477,025
8 Claims. (Cl. 192—107)



2. A cast soft metal shoe for a centrifugal clutch in which shoes are arranged in series side by side and guidably driven for radial movement by dogs interposed between adjacent shoes, characterised in that a sheet metal stamping is moldably applied to the shoe to present a wear-resisting face to a dog and has a part to interfit with an adjacent shoe to synchronise radial movement.

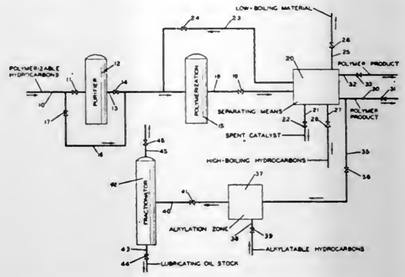
2,381,197
LINE-UP PLATEN
Joseph Zalkind, New York, N. Y.
Application March 20, 1943, Serial No. 479,954
3 Claims. (Cl. 282—29)



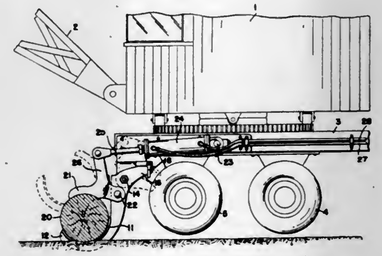
1. A platen for aligning printed forms including a pair of pegging units hingeably attached thereto, each one of said pegging units in said pair comprising an elongated bar, the first of said bars in said pair being secured to a pair of levers, coil springs included and acting against said levers, said levers being hinged at both ends thereof to said platen, the other elongated bar in said pair being hingeably held thereto and having a substantially rigid finger lift for raising said pegging unit above said platen; said rigid finger lift being securedly held to said secondary bar, a secondary finger lift also included for raising the first elongated bar in said pair, said secondary finger lift being located above and over said rigid finger lift, said secondary finger lift having an arch-shape formation and acting as a spring, one end of said arch being secured to the middle portion of said first bar the other end being secured to said secondary bar; the lifting operation upon said secondary finger lift facilitating the raising of the first bar, and the lifting operation of said rigid finger lift facilitating the raising of both of said bars in said pair of pegging units above said platen for allowing the insertion of printed forms under the bars aforesaid.

2,381,198
CATALYTIC POLYMERIZATION OF OLEFINS
Grant C. Bailey and James A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application March 23, 1942, Serial No. 435,888
23 Claims. (Cl. 260—683.15)

1. A process for converting a normally gaseous olefin hydrocarbon to higher molecular weight aliphatic olefins which comprises passing such an olefin hydrocarbon under polymerization conditions of temperature and pressure such that substantially only aliphatic olefin polymers are produced in contact with a polymerization catalyst prepared by oxidizing nickel at a temperature between 400 and 700° C.



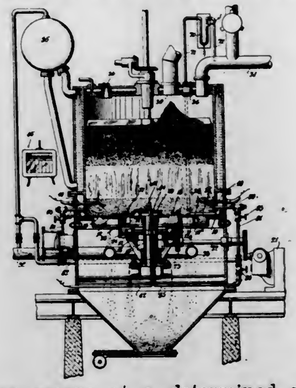
2,381,199
VEHICLE JACK
Rhea V. Baker, Seattle, Wash., assignor to Feenaughty Machinery Co., Portland, Oreg., a corporation of Oregon
Application April 26, 1944, Serial No. 532,727
5 Claims. (Cl. 212—145)



1. In a vehicle: forming the lower jaw of a clamp, a group engaging means carried by and movable relative to said vehicle and extending downwardly therefrom; means for limiting the downward movement of said ground engaging means; an upper jaw for said clamp; and actuating means for said upper jaw to clamp upon said ground engaging means a timber and to force said ground engaging means upon said limiting means.

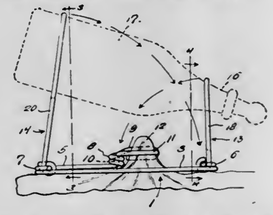
2,381,200
GAS PRODUCER
Alfred E. Blake, West Caldwell, N. J.
Application January 22, 1943, Serial No. 473,152
6 Claims. (Cl. 48—87)

1. In a gas producer having a flat grate of the dry, mechanical type and means to operate the grate to continuously discharge ashes therethrough, the improvement which comprises means to maintain an ash bed of determined thickness over the grate, said means comprising means to continuously measure the temperature of the ash bed at a plurality of points at the same horizontal level above the grate, means actuated by said temperature measuring means at a determined maximum temperature measured at any one of said plurality of points to de-energize said grate operating means, means continuously measuring the pressure differential between the ash pit space below the grate and the space above the fuel bed on the grate, and means actuated by said pressure differential



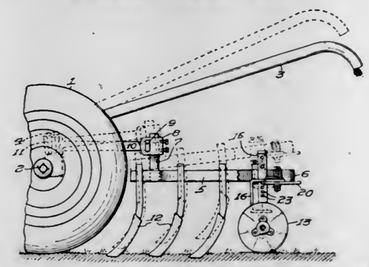
measuring means at a determined maximum pressure differential measured thereby to re-energize the said grate operating means.

2,381,201
NURSING BOTTLE HOLDER
John W. Boate, Detroit, Mich.
Application July 25, 1944, Serial No. 546,469
3 Claims. (Cl. 248—107)



1. A nursing bottle holder of the character described comprising an elongated wire base including pairs of coils, comparatively long and short foldable bottle supporting brackets mounted for swinging movement on the base, each bracket being of wire and including a pair of legs pivotally connected to a pair of the coils, and resilient clamps between the legs for the reception of the bottle.

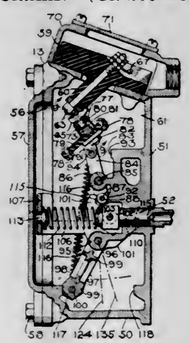
2,381,202
ADJUSTABLE GAUGE WHEEL SUPPORT
James Monroe Bowen, Cape May Court House, and Charles J. Allen, Moorestown, N. J., assignors to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 28, 1944, Serial No. 565,471
1 Claim. (Cl. 97—189)



A gauge wheel assembly adapted for securement to a tractor gang bar or the like and com-

prising a vertical yoke composed of upper and lower horizontal arms having vertically aligned slots and a vertical connecting portion, said yoke being provided at the top with a rigid laterally extending wing carrying a terminal clamp engageable with said gang bar and adjustable along the same, said wing offsetting the yoke laterally from the gang bar, a standard slidable in the slots of the arms of the yoke and provided with spaced holes and having an axle at its lower end, a gauge wheel mounted on the axle, and a horizontal spring actuated lever pivotally mounted on one of the arms of the yoke and provided at one end with a dog engaging one of the holes of the standard, the other end of the lever projecting beyond the yoke and forming a handle.

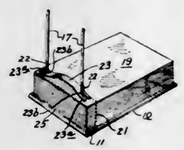
2,381,203
FLUID PUMP CONTROL
Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 28, 1942, Serial No. 440,823
6 Claims. (Cl. 200—67)



1. A device for controlling the starting and stopping of a motor comprising in combination, lever means having a fulcrum and rockable about said fulcrum to either a first position or to a second position, spring means connected to said lever means and so arranged as to oppose movement of said lever means from either of said positions to an intermediate or dead center position with respect to said spring means and being operative upon movement past said dead center position to automatically move said lever means to the other of the two first named positions, actuating means arranged for connection with said lever means to move said lever means from either of the two first named positions past said dead center position, the connection between said actuating means and lever means providing for movement of said lever means relative to said actuating means after movement of said lever means past dead center position by said actuating means; and motor means having a start position and a stop position and operable by said lever means to said start position upon movement of said lever to said first position and operable by said lever means to said stop position upon movement of said lever means to said second position.

2,381,204
CUMULATIVE SHEET BINDER
Antone J. Cardoza, San Francisco, Calif.
Application April 14, 1943, Serial No. 482,974
2 Claims. (Cl. 129—12)

1. A binder for superimposed perforated paper sheets, including an exterior cover member having a hingedly connected block end portion provided with a plurality of relatively spaced holes therein for receiving ends of binder posts, a plurality of relatively soft severable binder posts mounted in the holes of said block portions of the cover member for receiving thereon the perforated sheets, the said posts each having a longitudinal axis on a substantially straight line and being substantially circular in lateral transverse section and having intermediate the ends thereof a longitudinally arcuate portion cut therefrom at the rear side, and a resilient strip having



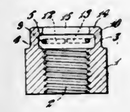
openings therethrough adjacent its opposite ends and being adapted for releasably engaging the said posts for sustaining accumulating sheets mounted on said posts, the more nearly adjacent edges of said strip openings being spaced apart a sufficiently greater distance than the distance between the opposed faces of the posts so that the central portion of the strip is sprung upwardly free from the sheets while the sheets are being accumulated on said posts and whereby the edges of said strip openings may be pressed more tightly into said posts when said strip is flattened against said accumulated sheets.

2,381,205
MOLDING POWDER AND METHOD OF MAKING SAME
Robert A. Caughey, Durham, N. H., assignor to University of New Hampshire, Durham, N. H., a corporation of New Hampshire
No Drawing. Application March 24, 1942, Serial No. 436,035
4 Claims. (Cl. 106—163)

1. The method of making a moldable lignocellulose having an X-ray diffraction pattern characteristic of dehydrated wood which comprises treating a mass of small pieces of wood with an amount of a non-oxidizing dilute aqueous solution of an acidic material sufficient to be uniformly absorbed thereby by mixing until the solution is uniformly distributed therein, and drying the material containing the absorbed solution until its moisture content is not more than about one per cent by heating under atmospheric conditions at a temperature not exceeding 180° F. to produce a dried material the copper number of which is not more than about twice that of the original untreated wood, the amount of acidic material absorbed by the wood being such that the concentration of the solution is increased sufficiently during the drying operation to exert a dehydrating action upon the cellulose while the non-oxidizing characteristics of said solution are substantially maintained.

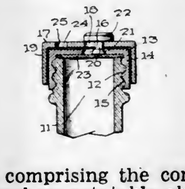
2,381,206
LOCK NUT
Harry Francis Clayson, New Lenton, Nottingham, England, assignor to Simmonds Development Corporation Limited, London, England
Application April 17, 1941, Serial No. 389,087
In Great Britain April 26, 1940
3 Claims. (Cl. 151—25)

1. A lock nut having a threaded body portion and an unthreaded part, said unthreaded part having openings therethrough, a resilient U-shaped wire extending through said openings so that the bight of the U will closely engage the unthreaded part and the interior portion of the



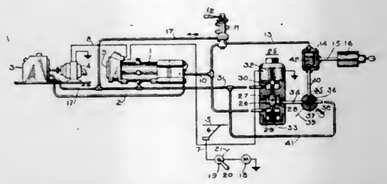
wire will be disposed to resiliently engage the threads of a cooperating bolt, the ends of said wire externally of said unthreaded part being bent back against the nut to maintain the resilient engagement.

2,381,207
CLOSURE
Philip Gordon Coleman, Cincinnati, Ohio, assignor of one-fourth to Robert Troxel, Cincinnati, Ohio
Application July 8, 1943, Serial No. 493,806
8 Claims. (Cl. 215—98)



1. A closure comprising the combination of a plurality of members rotatable about a common axis, and each having a radial slot therein one end of which is concentric with said axis; a driving element extending through said slots and shiftable therein when said slots are aligned, one of said members being threaded for screw engagement with a portion of a container and rotatable by force applied to another of said members, when said element is shifted from the ends of said slots that are concentric with the axis of rotation and means for preventing access to said first member.

2,381,208
BRAKE AND POWER INTERLOCK APPARATUS
Earle S. Cook, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 30, 1942, Serial No. 460,268
21 Claims. (Cl. 303—1)



1. In a brake and power control apparatus for a vehicle, in combination, a source of fluid under pressure, brake cylinder means operable by fluid under pressure to apply the brakes on said vehicle and upon release of fluid under pressure to release the brakes on said vehicle, manually controlled means having a brake release position for releasing fluid under pressure from said brake cylinder means and being movable out of said release position to open communication between said source of fluid under pressure and brake cylinder means for supplying fluid under pressure to said brake cylinder means, a source of power for propelling said vehicle, and mechanism, including means controlled by said power, and operable upon failure of said power to effect closure of said communication and to establish another communication between said source of fluid under pressure and said brake cylinder means for supplying fluid under pressure to said brake cylinder means.

2,381,209
PURIFICATION OF DIHYDROXY BENZENE COMPOUNDS
William J. Cotton, Chicora, Pa., assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
Application August 3, 1942, Serial No. 453,450
3 Claims. (Cl. 260—621)

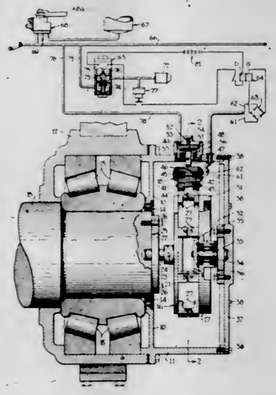
1. The method comprising treating an aqueous liquor which is faintly acid to Congo red paper with sulphuric acid and contains a predominating proportion of dihydroxy compounds selected from the group consisting of resorcin, catechol and hydroquinone, and minor proportions of impurities comprising passing into said body of liquor in finely divided form an organic solvent substantially insoluble in said aqueous solution and which dissolves said impurities but leaves the dihydroxy benzene compounds unextracted, said solvent being selected from the group consisting of benzol, toluol and mixtures of benzol and toluol, maintaining said liquor at a temperature below the boiling point of said extraction medium, maintaining upon the upper surface of said body of liquor a layer of said extraction medium containing dissolved organic impurities, and simultaneously an overflow thereof to a distillation vessel, distilling from the overflow of said extraction medium, condensing said extraction medium, introducing the extraction medium in its condensed state into the body of liquor being treated, continuing the extraction of the liquor until a sample of the overflow indicates that substantially all of the organic impurities have been extracted from the liquor, removing the extraction medium containing impurities which floats on the top surface of the liquor, distilling the same to recover the primary extraction medium for further use in the process, recovering the separated impurities, cooling the so-prepared liquor to a temperature below that at which a secondary extraction medium with which the liquor is subsequently treated boils, treating the so-purified liquor with a secondary extraction medium which dissolves and extracts from the purified liquor the dihydroxy benzene present, said secondary extraction medium being selected from the group consisting of lower dialkyl ethers and lower aliphatic alcohols insoluble in water, and recovering from the resulting extraction liquor the dihydroxy benzene present therein.

2,381,210
PRODUCTION OF ZINGERONE
William J. Cotton, Chicora, Pa., assignor to Pennsylvania Coal Products Company, Petrolia, Pa., a corporation of Pennsylvania
Application August 20, 1943, Serial No. 499,408
4 Claims. (Cl. 260—590)

1. The method of producing zingerone comprising forming a solution consisting of vanillalacetone dissolved in a solvent selected from

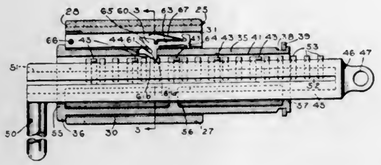
the group consisting of methanol, ethanol, acetone, ether, petroleum ether and dioxan, mixing therewith finely divided Raney nickel catalyst, subjecting the mixture to hydrogenation, and recovering zingerone from the reaction product.

2,381,211
ELECTRIC DECELEROMETER
Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 27, 1942, Serial No. 448,809
11 Claims. (Cl. 175—355)



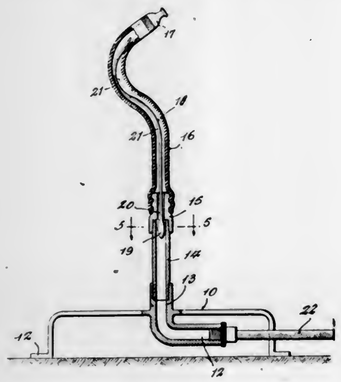
1. Apparatus for detecting the rate of change of speed of a rotary element, said apparatus comprising a rotary member driven at all times according to the speed of the rotary element, a rotary inertia member, permanent magnet means on said rotary member, permanent magnet means on said rotary inertia member, said two permanent magnet means moving in a circular path and being closely juxtaposed so as to exert mutual magnetic attraction to cause said rotary inertia member to rotate at the same speed as the rotary member as long as the rotary element does not change speed at a rate exceeding a certain rate and being ineffective to prevent rotation of the rotary inertia member at a speed different from that of the rotary member when the rotary element changes speed at a rate exceeding said certain rate, a winding positioned closely adjacent the said circular path of the permanent magnet means on the rotary member and the permanent magnet means on the rotary inertia member so that alternating voltages are induced therein upon rotation of said rotary member and rotary inertia member, said voltages being proportional in frequency and effective value to the rotational speed of the rotary member and the rotary inertia member respectively, the voltage induced in the winding by rotation of the rotary member being in opposition to the voltage induced in response to rotation of the rotary inertia member whereby the several voltages induced in the winding are substantially equal and opposite as long as the rotary member and rotary inertia member rotate at the same speed and unbalanced in degree and differing in frequency when the rotary member and rotary inertia member rotate at different speeds, and means operatively responsive to the current flowing in said winding caused by the unbalance of voltages induced therein.

2,381,212
SLACK ADJUSTER
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 16, 1943, Serial No. 510,473
9 Claims. (Cl. 188—197)



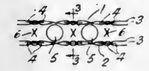
1. In a brake rigging slack adjuster of the class described, in combination, a stationary casing, a clearance gauging member movably mounted in said casing and having means for limiting travel thereof within said casing, and an operating member mounted in normally interlocking engagement with said gauging member and having means to enable manual rotation for disengaging said operating member from said gauging member said operating member being constructed and arranged to be manually actuated in cooperation with said gauging member for taking up slack in excess of a predetermined clearance movement in the associated brake rigging, said operating member and gauging member being equipped with means preventing independent operation of either prior to operation through said predetermined clearance movement.

2,381,213
MEANS FOR IMPARTING GYRATORY AND OTHER MOTIONS TO FLEXIBLE TUBULAR MEMBERS
Benjamin Forman, Stelton, N. J.
Application May 20, 1944, Serial No. 536,564
1 Claim. (Cl. 299—69)



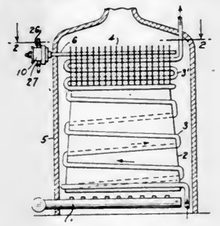
A flexible hose one end of which is adapted to be fixedly attached to a water supply; a water exit nozzle carried by the free end of said flexible hose; and a rigid convolute rod positioned within said flexible hose and extending therein from the lower end of said flexible hose to a point near said nozzle, said rod being revolvably carried by the lower portion of said flexible hose, whereby pressure of the water flowing through the flexible hose will impart gyratory movement to said hose.

2,381,214
THERMAL INSULATION MATERIAL MADE FROM FIBROUS SUBSTANCES
Walter Garner, Menston in Wharfedale, England, assignor of one-half to Lister and Company, Limited, Bradford, England
Application September 18, 1943, Serial No. 502,985
In Great Britain April 2, 1942
3 Claims. (Cl. 139—410)



1. A fibrous structure comprising textile fabrics into which are woven textile elements which connect the fabrics together and a packing of fibrous material between the said fabrics, the said textile elements being in rows, the said packing being in lengths lying respectively between the rows, and each of said textile fabrics having a weft in a direction transverse to the rows and a warp substantially only between the packing lengths.

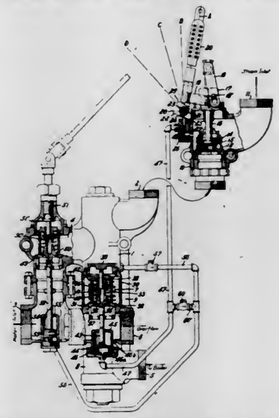
2,381,215
BURNER CONTROL APPARATUS
Otto W. Hahn, San Francisco, Calif., assignor to Industrial Research Laboratories, Ltd., San Francisco, Calif., a corporation of Nevada
Application January 12, 1942, Serial No. 426,410
4 Claims. (Cl. 236—33)



1. In a burner control apparatus for a fluid heater, a fuel burner arranged to create a heating zone passing upwardly above the burner, a heating tube through which the fluid passes positioned in said heating zone and provided with a plurality of spaced heat conducting sheet metal fins directly embracing and projecting therefrom, fuel feed controlling means for said burner comprising a thermostat arranged adjacent said heating tube also in thermal contact with a plurality of said sheet metal fins, and means operated by said thermostat operating said fuel feed controlling means, said heating tube extending transversely or crosswise of and within said heating zone, and said thermostat being substantially spaced from and above said tube.

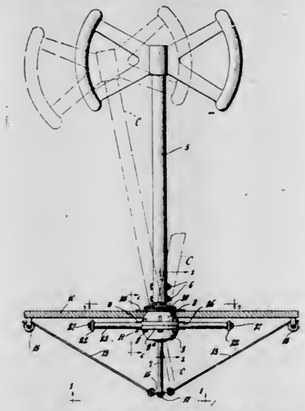
2,381,216
INJECTOR
Robert H. Hanlon and Fordyce B. Farnsworth, Wadsworth, Ohio, assignors to The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio
Application July 13, 1943, Serial No. 494,525
31 Claims. (Cl. 103—270)

1. In injectors the bodies of which are provided with appropriate water tube means and steam nozzle means, and means including valves for controlling the admission of water and steam, respectively, means for controlling actuation of the water valve to open said water valve in response to actuation of the steam valve control means and during functioning of the injector to maintain said water valve in an open condition



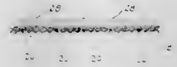
the effective extent of which is governed in response to pressure conditions obtaining within the injector body.

2,381,217
AIRCRAFT CONTROL COLUMN
Bennett B. Harman, Jamaica, N. Y.
Application July 26, 1943, Serial No. 496,130
1 Claim. (Cl. 244—83)



In an aircraft having a floorboard, a control centralizing the activation of the three major aircraft control surfaces, namely, ailerons, elevator and rudder; said control consisting of a movable ball, a spherical housing secured to the bottom of the floorboard and partially enclosing the ball, said housing being open at the top and bottom and composed of upper and lower flanged half-cups, said housing formed with a horizontal slot cutting the flanges on opposite sides, said ball being formed with a vertical transverse slot therethrough, a rudderbar passing through the slots in the housing and ball and having rudder cables secured to the ends thereof, a retaining pin in the ball holding the rudder bar in place, a manual control member secured to and extending upwardly from the upper portion of said ball, a shaft fixed to and extending downwardly from the bottom of the ball, a bracket pivotally mounted at the bottom end of said shaft, and cables operatively connecting the elevators and ailerons to said bracket.

2,381,218
PILE FABRIC
Ezekiel J. Jacob, Brooklyn, N. Y., assignor to Benjamin Liebowitz, New York, N. Y.
Application May 30, 1944, Serial No. 538,017
15 Claims. (Cl. 139—391)

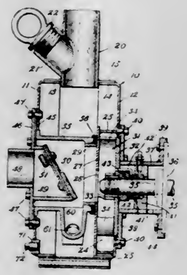


1. A heating fabric having a fabric base and piles projecting from at least one face thereof, said fabric base consisting of fine metallic electrically conductive wires and fine glass filaments, and said piles consisting of said fine glass filaments only, thus spacing said wires from the pile face of said fabric.

2,381,219
ALUMINUM ALLOY
Ira M. Le Baron, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 12, 1942, Serial No. 461,721
6 Claims. (Cl. 75—139)

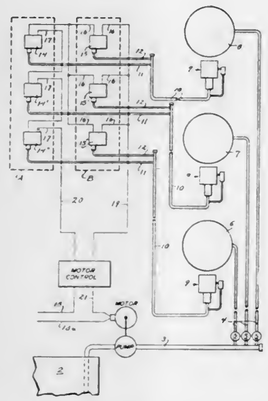
4. A magnesium-free aluminum base alloy containing from 3 to 5 per cent copper, from 0.01 to 2.0 per cent lithium, at least one of the elements selected from a group consisting of cadmium, mercury, silver, tin, indium and zinc, these elements being present in the proportion of about 0.01 to 1.5 per cent each of cadmium, mercury, silver, tin, indium, and about 0.01 to 0.5 per cent of zinc, the total of these elements not exceeding about 1.5 per cent, and the balance substantially all aluminum, said alloy being characterized by a higher tensile and yield strength in the heat treated and aged condition than the same alloy not containing both lithium and at least one of the metals from said group.

2,381,220
PUMP CONSTRUCTION
Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Original application May 28, 1942, Serial No. 444,891. Divided and this application July 16, 1943, Serial No. 494,990
3 Claims. (Cl. 103—113)



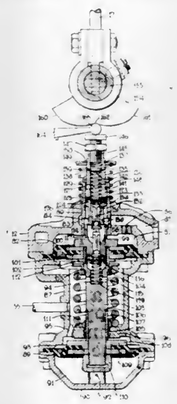
1. A welded sheet metal casing assembly for a recirculating self-priming liquid-handling pump, comprising an outer perimetric wall provided with a discharge port; a pair of axially spaced sheet metal heads, the perimetric portions of which are hermetically joined to said outer wall whereby to provide a priming-liquid chamber; a volute strip of sheet metal constituting the perimetric wall of an impeller chamber within and communicating with said priming-liquid chamber, said strip being of less width than the distance between the casing heads and having one of its edges hermetically secured to the inner face of one of said heads, said strip being radially spaced throughout at least a major portion of its length from said outer wall, and having its outer end disposed in the vicinity of the discharge port of the outer wall; and a sheet metal plate hermetically secured to the other edge of said volute strip to provide an end wall for said impeller chamber spaced from the other casing head.

2,381,221
PUMP CONTROL AND THE LIKE
Earl H. Markwart and Albert L. Cannon, Sacramento, Calif.; said Cannon assignor to said Markwart, doing business as Yuba Tank & Steel Co., Sacramento, Calif.
Application October 4, 1943, Serial No. 504,898
6 Claims. (Cl. 103—11)



1. In a control system of the class described, the combination comprising a fluid supply reservoir, conduit means leading from said supply reservoir to a point of utilization remote from said supply reservoir, a motor driven pump for pumping fluid through said conduit means, and control means for said motor driven pump, said control means comprising an operating circuit connected to said motor driven pump, a low pressure-actuable switch and a high pressure-actuable switch in said operating circuit, fluid carrying control conduit means leading from said switches to a control point adjacent said point of utilization, means for normally maintaining a stand-by pressure in said control conduit means sufficient to close said low pressure-actuable switch and insufficient to close said high pressure-actuable switch, manually operable means at said control point arranged and adapted to increase the pressure in said control conduit means to a pressure sufficient to close said high pressure-actuable switch and manually operable means at said control point operative to decrease the pressure in said control conduit below the pressure required to close said low pressure-actuable switch.

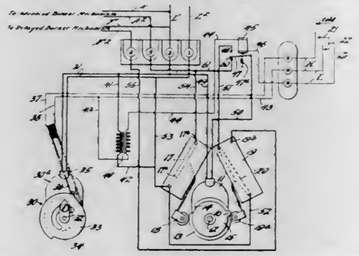
2,381,222
CONTROL DEVICE
Harry C. May, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application April 30, 1943, Serial No. 485,114. Divided and this application February 24, 1944, Serial No. 523,656
6 Claims. (Cl. 303—54)



1. A self-lapping valve structure comprising in combination, two connected movable abutments cooperating to form a pressure chamber normally charged with fluid under pressure, a spring in said pressure chamber acting on one of said abutments, a supply valve movable relative to said one abutment to open communication between said pressure chamber and a receiving chamber at the opposite side of said one abutment, said abutments being movable by pressure of fluid supplied to said receiving chamber against said spring and relative to said valve to close said communication, a release valve in said receiving chamber having operating contact with said supply valve, a plunger having a seat for said release valve and cooperative therewith to control a communication between said receiving chamber and atmosphere and cooperative with said release valve upon closing such communication to move said supply valve relative to said one abutment, said plunger being subject to pressure of fluid in said receiving chamber and being movable thereby out of seating engagement with said release valve, a spring under pressure interposed between said plunger and release valve, and means for controlling movement of said plunger in the direction of any away from said release valve.

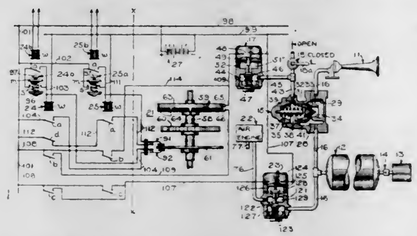
2,381,223
AUTOMATIC CONTROL FOR HEATING SYSTEMS
William F. Miller, Evansville, Ind., assignor to Industrial Engineering Corporation, a corporation of Indiana
Application July 22, 1941, Serial No. 403,566
7 Claims. (Cl. 236—1)

1. An automatic control for heating systems having separate fuel and air feeding mechanisms, said control comprising a normally idle controller having a predetermined position of rest, an initiator circuit including an electric motor for operating said controller and a room thermostat for initiating operation of the motor and controller, a plurality of cams on said controller, a switch mechanism controlled by one cam and electrically connected with said air feeding mechanism, a separate two-way switch mechanism controlled by another of said cams and electrically connected with said fuel feeding mechanism and to the circuit to the controller motor, said cams being arranged to initiate operation of said first-named switch and air feeding mechanism in advance of the operation of the fuel feeding switch and mechanism, said two-



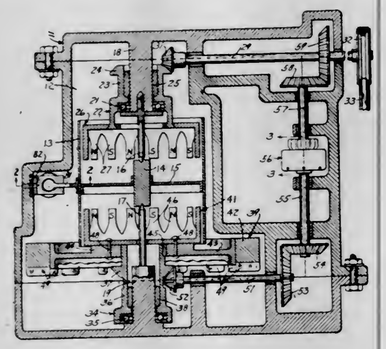
way switch mechanism opening the circuit to the controller motor when the fuel feeding mechanism circuit is closed to insure operation of the fuel feeding mechanism during such time as said thermostat is closed, and means under the control of the room thermostat for operating the motor to additionally rotate the controller to its predetermined normal position of rest and during such rotation sequentially break the circuit to the fuel feeding mechanism and thereafter to the air feeding mechanism.

2,381,224
AIR RAID WARNING SYSTEM
Robert A. Mitchell, Wilmerding, and Claude M. Hines, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 30, 1942, Serial No. 441,196
16 Claims. (Cl. 177—8)



5. In a signal system having a signal device, the combination of two electrical relays each having a winding effective when energized to cause pick-up of the corresponding relay, means responsive to the pick-up of each of said relays for causing energization of the winding of the corresponding relay whereby to maintain the relay picked-up, means operative while one of said relays is picked-up for causing operation of said signal device to produce one certain coded signal, means operative while the other of said relays is picked-up for causing operation of said signal device to produce a different coded signal, and a single timing means set in operation in response to the pick-up of either of said relays for effecting deenergization of the winding of the relay which is picked-up and the consequent restoration of the relay to its dropped-out position at the expiration of a certain length of time following the pick-up of the relay.

2,381,225
WHEEL-SLIP DETECTING DEVICE
George K. Newell, near Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 31, 1941, Serial No. 417,366
8 Claims. (Cl. 264—11)



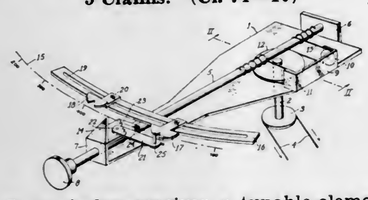
7. Apparatus for detecting variations in the rate of change of speed of a rotary element, said apparatus comprising a rotary armature member, two rotary magnetic members so disposed adjacent said armature member as to include said armature member within the magnetic fields thereof, driving mechanism for driving said two rotary magnetic members simultaneously at a speed corresponding to the speed of said rotary element but in opposite directions respectively, auxiliary mechanism associated with said driving mechanism for causing one of said two rotary magnetic members to rotate at a speed greater than the other when the speed of said rotary element changes at a rate above a certain rate, said armature member being thereby affected by the magnetic fields of said two rotary magnetic members so as to be rotatively moved, and control means operated responsive to rotation of said armature member.

2,381,226
SAFETY WRENCH
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 27, 1943, Serial No. 480,806
5 Claims. (Cl. 81—177)



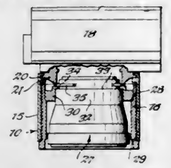
1. A safety wrench comprising a head having means adapted for engagement with a part for turning the same, an operating handle rigidly connected to said head and extending outwardly therefrom, the outer end portion of the handle which is adapted to be grasped by the hand of the operator for turning the part being relatively wide and sufficiently thin as to flex within the hand of the operator when pressure is applied to the handle for turning the part whereby the extent of flexibility of the portion grasped by the hand may be utilized for determining the approximate tightness of the part being turned.

2,381,227
TUNING ARRANGEMENT FOR WIRELESS RECEIVERS
Claude Langdon Richards, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 7, 1944, Serial No. 521,427
In Great Britain October 1, 1942
5 Claims. (Cl. 74—10)



1. In a wireless receiver, a tunable element incorporated in the receiver, a shaft in driving connection with the tunable element, an arm pivotal about said shaft, a rod journalled on said arm for rotation about an axis at right angles to and intersecting the axis of the shaft, a pulley secured to the shaft, and a cord passing round the pulley with its ends wrapped round and anchored to the rod in such manner that rotation of the rod causes one end of the cord to be wound up on the rod and the other end to be unwound from the rod, whereby the shaft is held against rotation in relation to the arm except on rotation of the rod.

2,381,228
FOCUSING ATTACHMENT FOR CAMERAS
Charles B. Schmidt, Buffalo, N. Y.
Application November 18, 1942, Serial No. 465,979
3 Claims. (Cl. 95—44)



2. A unitary focusing attachment for a camera to enable its use for reduction copying, said attachment including a hollow body having at one end means for the interchangeable mounting of a focusing screen and said camera, a sleeve coaxial with said body, fitted thereto, and axially adjustable relatively thereto, and a removable element carried by said sleeve and to which the lens mounting of said camera may be detachably connected, said sleeve being formed with a seat which said element, with the lens mounting connected thereto, may occupy with the lens mounting either in a normal or a reversed position with respect to said camera, said means being formed to give open access within said hollow body to the lens mounting in its reversed position and the lens being operative in any adjusted position of said sleeve to project an object image on said focusing screen which will be of the same reduction as that which said camera will make with the sleeve so adjusted.

2,381,229
ROLL PAPER DISPENSER
William J. Shalhoub, North Bergen, N. J.
Application December 20, 1944, Serial No. 568,982
4 Claims. (Cl. 242—55.5)

1. A roll paper dispenser comprising a base adapted to be secured against a wall or the like,

plates secured at their bases to the ends of said base and extending forward therefrom parallel with each other, the outer ends of said plates being semi-circular in conformation and having substantially rectangular openings therethrough positioned at the center of curvature of said semi-circular ends, spring fingers secured at one end to the outer surfaces of said plates and having bosses on their free ends adapted to register in

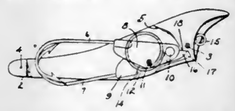


said openings, said springs normally urging said bosses through said openings, discs having hubs thereon being slidably mounted against the inner sides of said plates, said hubs being adapted to have the ends of a cylinder of a roll of paper rotatably mounted thereon, said discs and hubs having axial openings therethrough in alignment with said plate openings, said bosses projecting through said last-named openings.

2,381,230
PROCESS OF CULTIVATING YEAST WITH TREATED WASTE SULPHITE LIQUOR
Nils Magnus Gunnar Söderström, Spanga, and Helge Fabian Rost, Djursholm, Sweden
No Drawing. Application April 8, 1943, Serial No. 482,350. In Sweden November 22, 1941
14 Claims. (Cl. 195—84)

1. In a process for treating waste sulphite liquors obtained from digested wood for propagation of yeast, after in known way aerating and reducing the acidity of the liquor by adding neutralizing agents and removing the obtained precipitate, the steps of testing the apparently clear liquor for colloidal impurities, and, when free from finely dispersed invisible colloidal particles injurious to the yeast, conducting the pure liquor to a vat for the propagation of yeast therein.

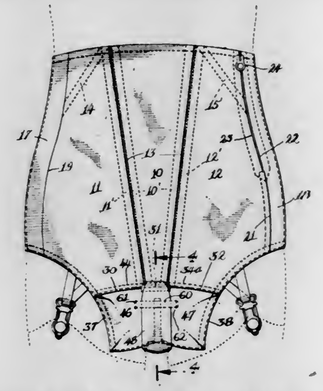
2,381,231
FISH LURE
Clifton T. Spear, Texarkana, Tex.
Application March 15, 1943, Serial No. 479,192
10 Claims. (Cl. 43—35)



1. In a fish lure, a lure body, a plurality of hooks pivoted together to fold partially together substantially within the body with their barbs facing each other, a bearing shaft supported by the body upon which one of the hooks is mounted to rock, a shoulder in the body, a lug on the other hook resting under the shoulder, and resilient means tending to retain the hooks in normal position.

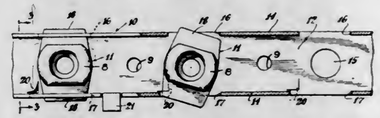
2,381,232
GIRDLE
Charles Stone, Brooklyn, N. Y.
Application August 25, 1943, Serial No. 499,920
3 Claims. (Cl. 2—43)

1. In a garment of the character described, a front and a rear panel, the lower edge of each panel at the center thereof being formed with a concave shaped notch, a crotch between said panels, the crotch comprising an integral member having a central vertically disposed slot and having the transverse edges thereof respectively stitched to the entire length of the concave-



shaped notches of the panels, and leg encircling bands comprised of the lateral edges of the crotch and the lower edges of the front and rear panels adjacent each of the notches.

2,381,233
FASTENER CONSTRUCTION
J Mills Summers, Englewood, N. J., assignor to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,094
13 Claims. (Cl. 24—221)



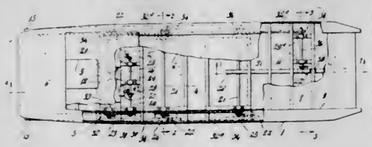
1. A floating fastener comprising a channel member, the side walls and base thereof having apertures which are generally in transverse alignment, a fastener element disposed on said base, said fastener element being provided with a body and wing portions, the wing portions extending through the apertures in said side walls, the maximum length from wing to wing of the fastener element being greater than the maximum transverse dimension of the channel, and the width of the body of the fastener being less than the inner wall to wall dimension of the channel member, whereby said fastener element may be positioned between the side walls of the channel member, the length of the apertures being such that rotation of the fastener element in the plane of the base will permit the said wing portions to enter and extend through the respective apertures; and an abutment extending upwardly from the base adjacent the fastener element to prevent such rotation of the same which would permit removal from the retainer.

2,381,234
PHOTOGRAPHY
Ernest M. Symmes, Wilmington, Del.
No Drawing. Application October 22, 1943, Serial No. 507,337
3 Claims. (Cl. 95—2)

1. A process of producing a photographic print which includes exposing to light under a nega-

tive a pigmented gelatin sheet saturated with an aqueous solution of an alkali bichromate, until a latent image forms in said gelatin sheet, and developing the said gelatin sheet in hot water to remove the unexposed, pigmented gelatin.

2,381,235
PROPULSION APPARATUS
John Thomas Tucker, New York, N. Y.
Application March 6, 1944, Serial No. 525,291
9 Claims. (Cl. 115—1)



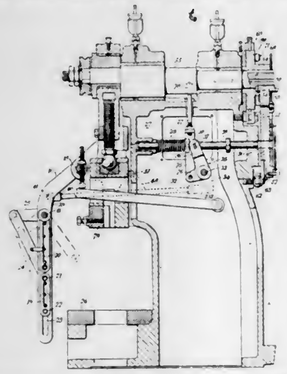
1. Apparatus for propelling a vessel comprising depressible beams mounted adjacent the sides of the vessel at its lower parts and extending from midship to stern, a beam disposed centrally under the vessel and extending from midship to bow, power-transmitting means, members actuated by said power-transmitting means to lower said beams repeatedly upon the bottom of the water under the vessel to propel the latter, and means for connecting said transmitting means to a power supply unit.

2,381,236
CHROMIUM RECOVERY
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application August 3, 1940, Serial No. 351,128
16 Claims. (Cl. 23—56)

1. The method of recovering chromium which comprises forming a charge comprising chromium-bearing material containing ferrous chromite and a basic compound of the group consisting of lime and magnesia capable of substituting for the ferrous oxide of the ferrous chromite to displace the ferrous oxide from chemical combination with the chromic oxide of the ferrous chromite and form an altered chromite, heating the charge to a temperature above 1200° C., and at least sufficiently high to cause sintering of constituents of the charge and to produce a product containing an altered chromite formed by substitution of the basic compound for ferrous oxide of the chromite of the original chromium-bearing material, digesting the altered or substituted chromite in a hot aqueous solution of an alkali-metal compound from the class consisting of sodium hydroxide and soda ash with resultant production of a solid residue in which most of the chromium thereof still is in the form of chromite, and recovering said residue.

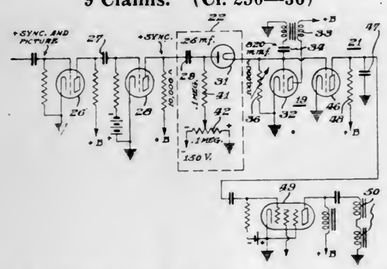
2,381,237
MEANS FOR SAFEGUARDING OPERATORS ON POWER PRESSES
Alfred William John Wells, London, England
Application February 10, 1944, Serial No. 521,895
In Great Britain March 1, 1943
9 Claims. (Cl. 192—134)

1. In a power press, having a reciprocatable ram, the combination with release means for setting the press in operation and an actuating member therefor, of a safety guard support movable at will in relation to the press between an inoperative position in which it is placed to enable the press to be used for blanking purposes and an operative position, in which it is placed to enable the press to be used for forming purposes, a safety guard which is movable in relation to said support between an open position and a closed position in which it prevents injury to the operator by the ram, a locking device for preventing effective operation of said release means, and means for establishing two alternative connections between said guard and said locking device,



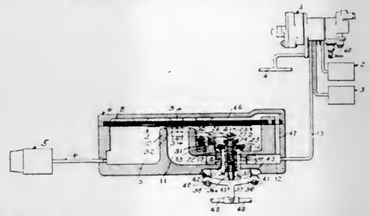
one connection, which can be established only when the guard support is in the inoperative position, serving to render the locking device inoperative and the other connection, which can be established only when the guard support is in the operative position, serving to render the locking device operative except when the guard is in the closed position and to maintain the guard in the closed position so long as the moving ram can endanger the operator.

2,381,238
TELEVISION SYSTEM
Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1941, Serial No. 400,178
9 Claims. (Cl. 250—36)



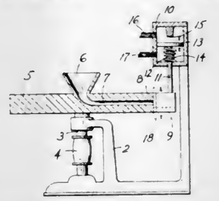
1. In combination, a blocking oscillator comprising a vacuum tube having a control grid and a plate and a cathode, and having transformer coupled plate and grid circuits, said grid circuit comprising a grid capacitor and a transformer coil in series, a unilateral conducting device connected between said grid and said cathode in the direction to permit electron current flow therethrough from said grid to said cathode and in parallel relation to said grid circuit with respect to said current flow for removing a charge from said capacitor, means for applying control pulses to said device with the correct polarity to make it conducting, and means for maintaining said device in a non-conducting condition between the occurrence of successive control pulses.

2,381,239
BRAKE RELEASING APPARATUS
Ralph T. Whitney, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 31, 1943, Serial No. 496,869
11 Claims. (Cl. 303—68)



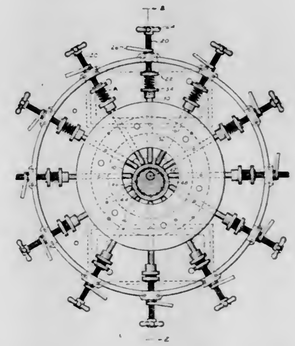
1. A brake release valve mechanism for interposition in a fluid conducting communication leading from the brake controlling valve device to the brake cylinder of a fluid pressure brake, comprising a valve having one position in which said communication is open and having a second position in which the communication is closed, means for actuating said valve, said means including a lever mechanism having a normal position for maintaining said valve in its first mentioned position and being movable to another position for actuating said valve to its said second position, means associated with said lever mechanism for opening a passage through which the brake cylinder is connected with the atmosphere upon operation of said first mentioned means to said other position, and manually operative means for actuating said first mentioned means to said other position.

2,381,240
STAPLE FIBER CUTTER
Dan B. Wicker, Dunbar, and Charles W. Cox, St. Albans, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 4, 1944, Serial No. 529,539
14 Claims. (Cl. 164—34)



1. In a device for cutting a filamentary bundle into discontinuous lengths comprising at least one cutting member, a shear member having a portion adapted to serve as a cutting base in cooperation with the cutting member, and means for moving at least one of said members to effect periodic juxtaposition of the cutting member with the cutting base portion of the shear member, the combination therewith of means for imparting to one of said members relative to the other during at least the periods of juxtaposition an additional oscillatory motion having a component transverse to the direction of and out of phase with the first-mentioned relative motion, said oscillatory motion having such limited amplitude that it in itself causes relative shifting between the cutting member and the cutting base portion of the shear member without entirely removing the cutting member from any portion of said cutting base portion.

2,381,241
SPRING TESTING MACHINE
George G. Wilcox, Bristol, Conn., assignor to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application May 24, 1944, Serial No. 537,120
2 Claims. (Cl. 73—161)



1. A machine for testing helical coil compression springs comprising a rotatable shaft, a circular disc connected eccentrically to said shaft, a ring surrounding the disc and supported thereon by frictionless bearings, an annular series of devices surrounding said ring and having parts slidably engaging the periphery thereof and each being adapted to support the inner end of one of an annular series of radially positioned helical coil springs, and means for rigidly supporting the outer end of each of said springs whereby rotation of the shaft will cause said springs to be alternately compressed and released.

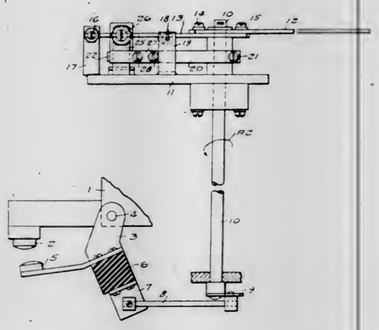
2,381,242
MOLDING SAND AND METHOD OF CONTROLLING FLOWABILITY OF SAME
Robert T. Wood, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 21, 1941, Serial No. 419,852
8 Claims. (Cl. 22—188)

1. The method of controlling the flowability of used molding sands containing an argillaceous bonding material which comprises adding thereto, and maintaining therein, from about 0.1 to 2 per cent of at least one fluoride of the group consisting of sodium fluoride and potassium fluoride.

2,381,243
MECHANICAL INTERLOCK
George C. Armstrong, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1944, Serial No. 536,953
5 Claims. (Cl. 200—50)

1. An interlock mechanism for preventing actuation of apparatus when other apparatus are actuated, comprising shaft members to be connected with one of said apparatus for revolving a limited angle during actuation of said latter apparatus and blocking such actuation when prevented from revolving, an arm firmly mounted on said shaft member to revolve together therewith, a pawl movably mounted on said arm, a stationary stop disposed in the path of said pawl, said pawl being biased toward said stop for block-

ing the revolution of said arm and shaft member, a lever structure having a release arm and a transmission arm and being rotatable about said shaft between two positions in one of which said release arm is located so as to engage said pawl when said shaft member starts revolving thereby



moving said pawl away from said stop in order to release said shaft for continued revolution, said transmission arm being designed for connection to said other apparatus in order to move said release arm out of said one position when said other apparatus is actuated.

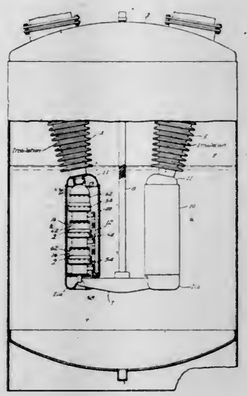
2,381,244

CIRCUIT INTERRUPTER

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 7, 1943, Serial No. 471,555

20 Claims. (Cl. 200—150)



1. In a circuit interrupter, a first relatively stationary contact member, a second intermediate contact member, a third movable contact member, means resiliently mounting the second intermediate contact member, the three contact members engaging each other in abutting relation in the closed circuit position of the interrupter, a fluid moving means electrically connected between the first relatively stationary contact member and the second intermediate contact member, and means for causing the separation of the three contact members to insert the fluid moving means in series circuit.

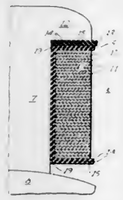
2,381,245

MOLDED CELL FOR FIELD COILS

John S. Askey, Mount Lebanon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 16, 1943, Serial No. 514,542

4 Claims. (Cl. 171—252)



1. A preformed molded cell adapted for use in a rotating field-coil of a dynamo-electric machine, comprising a channel-shaped member having bent ends made in one mechanically rigid integral piece composed of a plurality of layers of molded sheets of initially flexible impregnable insulating material which will stand a temperature of more than 125° C. continuously, one or more layers of mica sandwiched between said impregnable layers, and an impregnating binder of a hardenable insulating material which will bind said sheets together into an integral piece which is hard and mechanically rigid at all portions thereof, the channel-shape having well-hardened small-radius bends which prevent creepage of the mica at said bends.

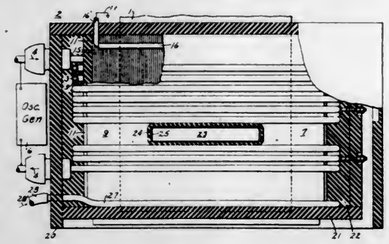
2,381,246

INDUCTION HEATING COIL

Robert M. Baker, Harold G. Frostick, and Charles C. Whittaker, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 31, 1942, Serial No. 464,041

10 Claims. (Cl. 219—13)



1. Inductive heating apparatus for heating a long thin flat strip of conducting material which is continuously moving in the direction of its length, said apparatus comprising an open-ended box of strong solid insulating material having an opening therethrough through which the strip may pass, the two sides of the box being flat, parallel, and adapted to be closely spaced from the flat surfaces of the strip, the two ends of the box being adapted to be spaced a greater distance from the edges of the strip, an inductive heating-coil, the box being disposed within the inductive heating-coil and extending at each end axially beyond the end of the coil, and grounded electrostatic field-shielding means associated with each of the two flat sides of the box for guarding the strip against space-current discharges while offering but slight hindrance to the axial magnetic lines of force within the strip, said shielding-means extending axially beyond the axial extent of the coil and adapted to extend transversely beyond the width of the strip.

2,381,247

PLASTICIZED COMPOSITIONS

Robert H. Barth, Ridgewood, and Harry Burrell, Paramus, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 22, 1942, Serial No. 451,946

1 Claim. (Cl. 106—180)

A composition comprising a material selected from the group consisting of film-forming resins and cellulose esters and ethers and as a plasticizer for said material and incorporated therewith a mixture of pentaerythritol diacetate dipropionate and dipentaerythritol triacetate tripropionate.

2,381,248

GASKET MATERIAL

Roger C. Bascom, Port Clinton, Ohio, assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio

No Drawing. Application September 23, 1942, Serial No. 459,433

5 Claims. (Cl. 260—5)

5. A composition of matter for use as a packing material, containing from 15 per cent to 45 per cent of an oil resistant butadiene-acrylonitrile copolymer of rubberlike characteristics, from 20 per cent to 40 per cent of wood flour, from 10 per cent to 30 per cent of a plasticizer for said composition of matter, said plasticizer being soluble in hydrocarbon fluids, and from 0.25 per cent to 11.25 per cent of material insoluble in hydrocarbon fluids but capable of increasing in volume when in contact with hydrocarbon fluids, said material being selected from the group consisting of natural rubber, and a butadiene styrene copolymer of rubberlike characteristics.

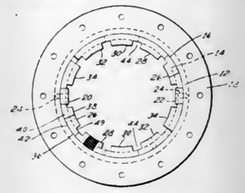
2,381,249

BEARING ASSEMBLY

Arthur J. Bastian, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 7, 1943, Serial No. 513,291

6 Claims. (Cl. 308—238)



1. In a bearing, in combination, a housing, a keeper strip carried by the housing, a plurality of staves for lining the housing to provide bearing surfaces, each of the staves comprising a strong body consolidated from laminated fibrous material impregnated with heat-hardening resinoid, certain of the staves having cutout sections of substantially equal width over at least a major part of the length of the sections disposed lengthwise of the staves in an offset relation, the offset cutout sections being in overlapping relation in the lengthwise direction of the staves whereby the cutout sections cooperate to permit distortion of the staves to compensate for swelling.

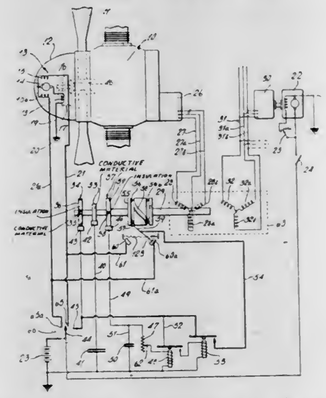
2,381,250

ELECTRIC ENGINE CONTROL APPARATUS

Charles Ludwig Baumann, Jr., New York, N. Y.

Application May 1, 1942, Serial No. 441,385

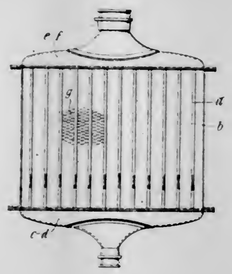
3 Claims. (Cl. 175—355)



1. Control system component for controlling the speed of an engine and comprising output terminals adapted for connection to an engine control motor circuit, said control system component comprising means for generating a first electric current having a controlled frequency, means for generating a second electric current the frequency of which varies with variation in speed of the engine, a rotatable member, means including field means actuated by a difference in frequency between said first and second electric currents for rotating said rotatable member at a speed that increases upon increased departures in either direction of the frequency of said second electric current as determined by the speed of said engine from a predetermined relationship between the frequencies of said first and second electric currents, and in either of opposite directions depending upon whether the frequency of said second electric current is greater than or less than the frequency of said predetermined relationship and for maintaining said rotatable member stationary when the frequencies of said first and second electric currents are in said predetermined relationship, a power supply circuit for supplying electrical energy to said output terminals, a reversing switch in said power supply circuit actuatable by rotation of said rotatable member to selectively supply electrical energy to one of said output terminals when said rotatable member is rotated in one direction and to another of said output terminals when said rotatable member is rotated in the opposite direction for selectively energizing said control motor circuit in opposite directions, relay means for controlling said power supply circuit, a relay actuating circuit for actuating said relay means to supply power to said output terminals in impulses of predetermined duration and of a frequency that increases as the speed of rotation of said rotatable member increases, said relay actuating circuit including a second relay means, condenser means and resistance means connected in series with said second relay means, and make and break contacts actuatable by said rotatable member to complete said relay actuating circuit for discharge of said condenser means to actuate said relay means to complete the circuit to appropriate output terminals at intervals the frequency of which is determined by the speed of rotation of said rotatable mmeber and to thereafter break said relay

actuating circuit, and a condenser charging circuit for charging said condenser means, said condenser charging circuit including a source of electric energy and make and break contacts actuatable by rotation of said rotatable member to complete said condenser charging circuit for charging said condenser means while said relay actuating circuit is broken and to break said condenser charging circuit when said relay actuating circuit is completed for the discharge of said condenser means to actuate said relay means.

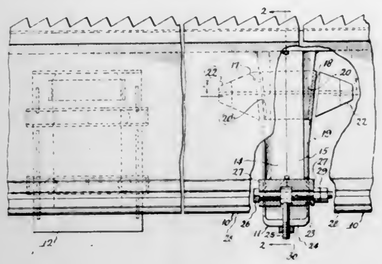
2,381,251
WATER AND OIL COOLER
James Frank Belaieff, Cricklewood, London, England, assignor of two-thirds to Cyril Terence Delaney, and Gallay, Limited, Cricklewood, London, England, a company of Great Britain
Application April 17, 1943, Serial No. 483,454
In Great Britain February 2, 1942
4 Claims. (Cl. 257—130)



1. A combined water cooling radiator and oil cooler including a radiator block comprising water radiator units and oil cooler units spaced apart to provide intervening air spaces, a pair of water tanks arranged at the top of the radiator block, a pair of oil tanks located at the bottom of the radiator block, vertical water passages contained within the water radiator units and extending downwardly from the water tanks and terminating short of the bottoms thereof, arcuate passages registering with the lower ends of the water passages, vertical oil passages contained within the oil cooler units and extending upwardly from the bottoms thereof and terminating intermediate of the top and bottom of the same and communicating with the oil tanks, and arcuate oil passages registering with the oil passages.

2,381,252
CONNECTING MEANS FOR CONVEYER TROUGHS
Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application March 24, 1944, Serial No. 527,924. Divided and this application April 5, 1944, Serial No. 529,691
7 Claims. (Cl. 198—220)

1. A connecting means for connecting adjacent ends of a pair of shaker conveyer troughs together including a pair of plate members extending across the bottoms of adjacent ends of said troughs, each of said plate members having an inner abutting face and an outer inclined engaging face, said outer faces being a wedge-shaped formation when said inner faces are in engagement with each other, and means operable from one side of said troughs only and extending across the bottom of said troughs and having en-



gagement with said wedge-shaped outer faces, for drawing said troughs together and for holding them in connected relation with respect to each other.

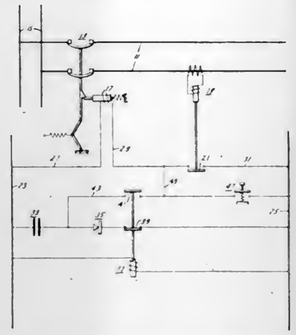
2,381,253
FLOWER HOLDER AND ARRANGER
Howard L. Bierwert, Maplewood, N. J.
Application April 26, 1944, Serial No. 532,835
3 Claims. (Cl. 47—41)

1. In a flower support, upper and lower frame members, each frame member being provided with circumferentially spaced eyelets, the eyelets of one frame being in vertical alignment with the eyelets of the other frame, a mesh fabric disposed over each frame adapted to receive stems of flowers therethrough, a mesh fabric connected between said frames and extending circumferentially therearound, and support members rotatably mounted in each of said aligned eyelets, said support members being movable in a full circular path, each of the support members having a lateral extension above the upper frame constructed and adapted to rest upon the upper edge of a vase or the like.

2,381,254
CIRCUIT BREAKER CONTROL
Ralph O. Bonine, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1943, Serial No. 513,838
8 Claims. (Cl. 175—294)

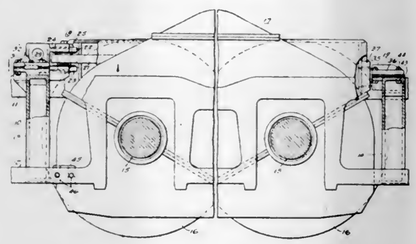
1. A control system for a circuit breaker having tripping means, comprising a control circuit, means operable in response to abnormal conditions in the circuit controlled by the breaker to cause energization of said tripping means, a capacitor energized by said control circuit, and means responsive to predetermined conditions in

said control circuit for disconnecting said capacitor from the control circuit and causing said



capacitor to discharge through the tripping means to thereby trip the breaker.

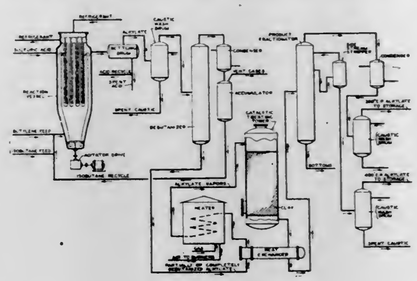
2,381,255
LOCOMOTIVE DRIVE UNIT
Winston A. Brecht, Forest Hills, and Frank L. Alben, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1943, Serial No. 496,408
7 Claims. (Cl. 105—113)



1. In a locomotive drive, the combination with a frame having side and cross members and axles for supporting the frame, of a gear unit housing disposed between said side frame members and a pair of said cross members, means on one of the cross members for supporting the housing at one point, means on the other cross member for slidably supporting the housing at two points, said two points of support being in the same horizontal plane, and a pivot pin disposed between said two points of support to permit movement of the housing about the pivot pin in a horizontal plane.

2,381,256
PROCESS FOR TREATING HYDROCARBON FRACTIONS
John Richard Callaway, Teaneck, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 6, 1942, Serial No. 460,945
4 Claims. (Cl. 196—96)

1. In the manufacture of aviation gasoline the process that comprises charging normally gaseous olefins and isoparaffins to an alkylating zone wherein the olefins and isoparaffins are contacted with sulfuric acid under alkylating conditions to produce normally liquid hydrocarbons in the gasoline boiling range with a limited time of reaction insufficient to support conversion to an alkylate product of maximum anti-knock value, maintaining the proportion of isoparaffins to olefins charged to the alkylating zone below that necessary to produce an alkylate product of maximum anti-knock value and contacting resultant gasoline alkylate with an adsorptive clay catalyst at a temperature of about 650–850° F. with

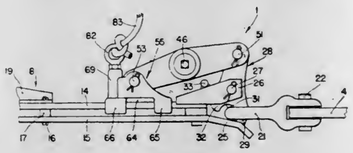


a time of contact adequate to effect molecular rearrangement of saturated hydrocarbons into hydrocarbons of increased anti-knock value but insufficient to effect cracking to thereby increase the anti-knock value of the alkylate and produce a final gasoline product adapted for aviation gasoline.

2,381,257
INSECTICIDE COMPOUND AND METHOD OF DISPENSING AN INSECTICIDE
Frank Leslie Campbell and Willis Conard Fernelius, Columbus, Ohio
No Drawing. Application July 24, 1941, Serial No. 403,873
3 Claims. (Cl. 167—39)

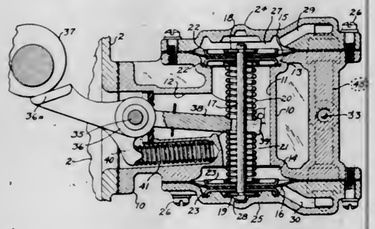
2. A process for killing insects which comprises vaporizing the addition product of acetone and sulfur dioxide having the formula $(CH_3)_2CO \cdot SO_2$ and exposing said insects to the resultant vapors.

2,381,258
HITCH DEVICE
John I. Cantral, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 10, 1943, Serial No. 486,436
15 Claims. (Cl. 280—33.16)



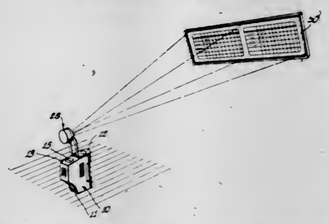
1. In an agricultural machine, a pair of parts adapted to be releasably connected, a pivoted member mounted on one of said parts and receiving the other part whereby when a force is exerted on said other part in one direction, said pivoted member tends to swing about its pivoted support on said one part, a second member slidably mounted on said one part, means releasably holding said second member in a given position on said one part, and motion resisting means connected between said second member and said pivoted member whereby, as long as said second member is connected with said one part in said position, separation of said other part relative to said one part is restrained.

2,381,259
FUEL PUMP
Irven E. Coffey, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 18, 1942, Serial No. 435,248
3 Claims. (Cl. 103—150)



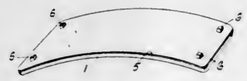
1. A pumping device for an internal combustion engine comprising a pair of pump chambers, a diaphragm wall for each chamber, a rod for spacing said diaphragms an unvarying distance apart, a pair of spring elements surrounding said rod for exerting an outward pressure against said diaphragms, a lever having one end arranged for contacting a cam of the engine and the other end interposed between said spring elements to transmit motion to one spring element for moving the diaphragms to discharge one pump chamber, and spring means acting to keep said lever in constant contact with the cam of the engine and transmit motion to the other spring element for moving said diaphragms to discharge the other pump chamber.

2,381,260
BOWLING SCORE PROJECTOR
John B. Coker, San Diego, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1942, Serial No. 438,368
7 Claims. (Cl. 88—24)



1. In a projector for a score record in a bowling alley, a cabinet having a light transmitting panel, a light transmitting score record on said panel, said record having opaque divisional lines thereon, and being arranged for recording, one above the other, the respective scores of competing teams of players, a light source supported at one side of said panel, a condenser system disposed between said panel and the light source to direct a beam of light toward said panel, a pair of lenses arranged adjacent one another between said condenser system and said panel with their optical axes substantially parallel to one another and substantially perpendicular to the panel to divide a beam of light directed by said condenser system and to direct the divisional beams thus formed, respectively, through the two portions of the score record, a pair of objective lenses supported at the opposite side of said panel, a pair of reflectors positioned respectively in line with said beams and inclined to direct said beams to said lenses respectively, together with images of the respective portions of the score record through which said beams pass, a second pair of inclined reflectors respectively opposite said lenses, a screen disposed in a substantially vertical plane at a distance from the cabinet, and a third pair of inclined reflectors disposed in laterally adjacent relation both facing said screen and also disposed respectively toward the reflectors of the second pair to receive therefrom the respective beams and images projected by the lenses, said third pair of reflectors being adjusted to reflect said images respectively onto separate horizontally aligned areas of the screen in side by side relation.

2,381,261
X-RAY FILM HOLDER
Alvin F. Cota, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 28, 1942, Serial No. 456,501
9 Claims. (Cl. 250—65)



2. A film holder for X-ray film comprising, a curved metallic shoe, a generally thin lead surface provided on the convex side of said shoe to absorb stray radiation, a cassette envelope of pliable elastic rubber, means to secure the cassette envelope to said shoe in a manner to create tension in the cassette envelope and to permit ready application and removal of the same, a pliable folder of substantially thin material adapted to hold films and shield the same from light rays and disposed for insertion in said cassette envelope, and fluorescent material provided on the inside surface of said folder, said material being radially compressed into close contact with said film when the cassette envelope is stretched over the convex surface of said shoe in service to provide a sharp and distinct photographic picture.

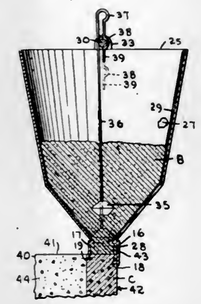
2,381,262
MEDICAMENT VEHICLES OR EMULSIONS
Morton B. Crowe, Tulsa, Okla., assignor to Crowe Chemical Company, Tulsa, Okla., a corporation of Oklahoma
No Drawing. Application January 15, 1945, Serial No. 572,965
6 Claims. (Cl. 167—58)

1. A true water-phase fine emulsion free from granulation and having Brownian movements, comprising by weight 60% to 65% of chemically pure vegetable oil, and about 0.5% of an antioxidant dissolved in said oil; an emulsifying agent composed of a mixture of about 1% of superfatted sulfonated castor oil and 1% to 2% by weight of a sulphate of a higher alcohol; from 1% to 1.25% of boric acid, 0.9% to 1% of chemically pure glycerine, and the balance distilled water.

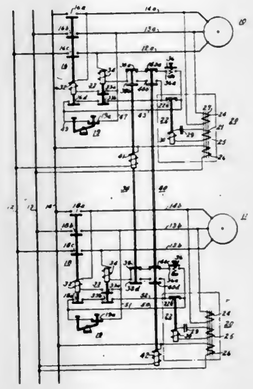
2,381,263
MASON'S IMPLEMENT
Nathan C. Darling, Shelton, Conn., and Chester A. Darling, McClellan Field, Calif.
Application July 15, 1943, Serial No. 494,860
1 Claim. (Cl. 72—128)

A trowel adapted to form ribbons of mortar along the upper faces of bricks, blocks and the

like, comprising a reservoir, having an open, upwardly-extending mouth and an exit at its lower end; a handle bridging said mouth with the vertical longitudinal plane of said handle substantially bisecting said reservoir, said handle being secured at adjacent its ends to said reservoir; and a valve for said exit, having a stem extending upwardly through said reservoir to said handle and provided with means to suspend said stem from said handle at selected distances above said first-named passageway, said last-named means including a resilient U-shaped arm having a pair of handle-engaging sections, shaped to conform to a portion of the transverse cross-section of said handle.

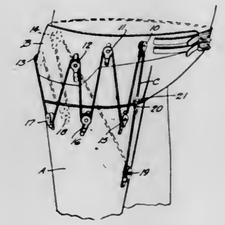


2,381,264
SYNCHRONIZING CONTROL SYSTEM
Willard A. Derr, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1944, Serial No. 530,149
11 Claims. (Cl. 171—118)



1. The combination in a control system for synchronizing a polyphase alternating current generator and a polyphase alternating current bus, of switch means operable when the voltage of one phase of the generator reaches a predetermined value to connect the generator to the bus, control means operable when the voltage of another phase of the generator reaches a predetermined value to provide an operating circuit for said switch means, and synchronizing means operable in response to a prdetermined relation of the generator and bus frequencies to provide an energizing circuit for the control means.

2,381,265
FLEXIBLE SUPPORT FOR ARTIFICIAL LEGS
Stanley J. Dew, Toronto, Ontario, Canada
Application November 18, 1943, Serial No. 510,727
In Canada October 13, 1943
6 Claims. (Cl. 3—11)



1. Means for attaching an artificial leg comprising in combination with an artificial leg a body encircling member, endless flexible means extending between the artificial limb and said body encircling member to hold said limb in position, and means for connecting said flexible means with said limb and body encircling member to cause a compensating shifting of said endless flexible means responsive to any movement imparted to said limb.

2,381,266
ABRASIVE ARTICLES
Charles E. Drake, Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 24, 1943, Serial No. 492,123
2 Claims. (Cl. 51—299)

1. An abrasive article comprising abrasive grains and a bond containing the vulcanization product of a mixture of rubber, sulphur in amount to vulcanize said rubber to hard rubber, and polymerized chloro-2-butadiene-1,3.

2,381,267
ABRASIVE ARTICLES
Charles E. Drake, Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 24, 1943, Serial No. 492,124
12 Claims. (Cl. 51—299)

1. An abrasive article comprising abrasive grains and a bond containing the vulcanization product of a mixture of a copolymer of a major proportion of butadiene and a minor proportion of a compound which contains a

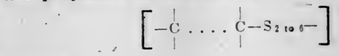
$$CH_2=C\diagup\diagdown$$

group and is copolymerizable therewith, sulphur in amount to vulcanize said copolymer to a state comparable to hard rubber, and a material selected from the group consisting of polymerized chloro-2-butadiene-1,3, copolymers of a major proportion of isobutylene and a minor proportion of a conjugated diolefine copolymerizable therewith, organic polysulphide polymer plastics which are polymers of substantially the structural unit

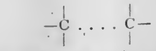
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and organic polysulphide polymer plastics which

are polymers of substantially the structural unit

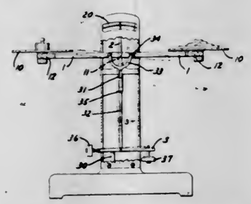


where



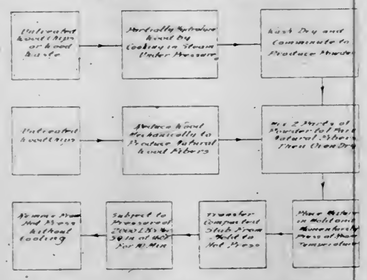
represents two carbon atoms joined to and separated by intervening structure.

2,381,268
SCALE COMPENSATOR
Fred S. Eastman, Seattle, Wash.
Application June 30, 1942, Serial No. 449,071
20 Claims. (Cl. 265—54)



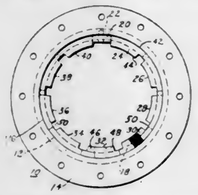
1. Scale mechanism comprising a balance beam, means for applying to said beam a force to be measured and producing a tilting moment thereon, means for exerting upon said beam a force, constant in all tilted positions thereof, along a line intersecting the beam's pivot axis when in neutral position, thereby creating no moment thereon, but acting eccentrically of the beam's pivot axis in tilted positions thereof, for exerting a moment thereon in tilted positions, and means for adjusting said second means to vary the force exerted thereby while the direction and eccentricity of the force application for various tilted positions of the beam remain unchanged, for altering the moment exerted upon said beam for a given angle of beam tilt.

2,381,269
PROCESS FOR MAKING THICK HARDBOARD
Armin Elmendorf, Winnetka, and Morris Lieff, Chicago, Ill.
Application October 28, 1941, Serial No. 416,828
4 Claims. (Cl. 18—47.5)



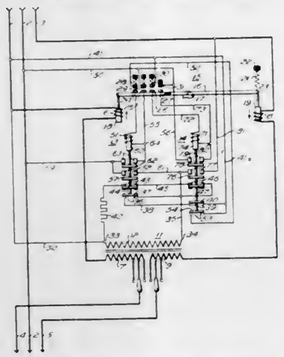
1. The process of making a nailable hard board panel, which consists in converting untreated lignocellulose tissue to natural lignocellulose fibers which are substantially in the form of the original individual botanical fibers or bundles of such fibers of which the woody tissue is composed and having substantially their original strength, partially hydrolyzing other lignocellulose material and comminuting it to a powder, mixing said natural fibers with the hydrolyzed powder in proportions ranging between the limits of one part of natural fibers to four parts of said powder and four parts of natural fiber to one part of powder, oven-drying the mixture, placing the oven-dry mixture in a form, compressing the mixture at approximately room temperature and at a pressure of at least one thousand pounds per square inch, removing the slab thus produced from the form, and then subjecting the slab to a pressure of at least one thousand pounds per square inch and temperatures from 325° F. to 400° F. for from five to fifteen minutes.

2,381,270
BEARING ASSEMBLY
Vern E. Enz, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1943, Serial No. 513,259
7 Claims. (Cl. 308—238)



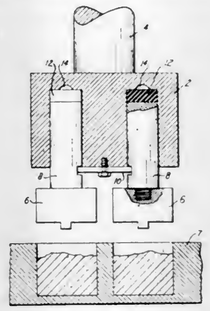
1. In a bearing, in combination, a housing, a keeper strip carried by the housing, a plurality of staves for lining the housing, projections provided on certain of the staves, the projections on one stave engaging the next adjacent stave, the projections on the staves being offset relative to one another to permit a distortion of the staves to compensate for swelling.

2,381,271
BOOSTER REGULATOR
Frank H. Farmer, deceased, late of Hinsdale, Ill., by Millie Evelyn Farmer, executrix, Hinsdale, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1943, Serial No. 495,423
7 Claims. (Cl. 171—119)



1. In combination, a single-phase, three conductor alternating-current circuit, a regulating transformer having series windings connected respectively in two conductors of said circuit and an exciting winding inductively related thereto, switch means for selectively short circuiting said exciting winding, for connecting said exciting winding across two of said three circuit conductors to apply a predetermined energization thereto and across another two of said three circuit conductors for applying a different predetermined energization thereto, and means responsive to the current flow in said two conductors for controlling the operation of said switch means.

2,381,272
MULTIPLE DIE EQUALIZER
Eugene H. Fischer, Derry, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 20, 1943, Serial No. 483,729
3 Claims. (Cl. 25—102)



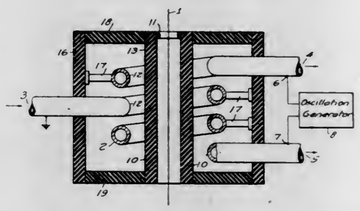
1. In a press comprising a movable pressure head and a plurality of molds each to contain material to be molded, a plurality of dies and means for separately mounting them on said head for reciprocation in the direction of pressure of the head comprising a projecting stem for each die, each stem having a flattened free end and means for securing each to its respective die, recesses in said head proportioned to receive said stems with a sliding fit, a cavity in the base of each recess of smaller size than the cross section of the recess, a substantially incompressible body normally between the end of each pin and the base of its recess and flowable into the cavities a predetermined amount proportional to the pressure exerted by the individual dies.

2,381,273
INDICATOR DRIVE FOR RECIPROCATING ENGINES
Kurt Froehlich, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 25, 1943, Serial No. 480,553
6 Claims. (Cl. 234—24)



1. For use with an engine having a wrist pin which is guided in a right line, a crank, and a rod which connects the wrist pin and crank, and in which the ratio of effective rod length to effective crank line has a value R; an indicator drive comprising in combination a circular eccentric adapted to be driven at the same angular velocity as the crank and having a radius r and an eccentricity E; a follower having a reaction face engaged by the eccentric, said face being a right cylinder whose directrix is a circular arc whose plane is normal to the axis of rotation of the eccentric and whose radius differs from the distance $R \times E$ by an amount equal to r; means serving to guide said follower in a right line and so positioned that the path of the geometrical center of said arc has the same relation to the center of rotation of the eccentric as the path of the wrist pin has to the axis of rotation of the crank; and means for connecting said follower to the part of the indicator which simulates the motion of the cross head of the engine.

2,381,274
INDUCTIVE HEATING COIL
Harold G. Frostick, Pittsburgh, and Elvyn M. Sollie, Saxonburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1942, Serial No. 464,042
5 Claims. (Cl. 219—13)

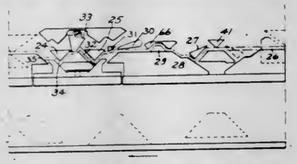


1. An inductive heating apparatus operable in a gaseous medium at approximately atmospheric pressure and comprising an induction heating-coil comprising a plurality of turns of a flowing-fluid-cooled conductor, wound in a single layer, a coil-supporting means disposed outside of the outer periphery of the coil and extending outwardly from the outer periphery of the coil for supporting the coil, the portions of the coil-supporting means which are disposed closest to the attachment-point to the coil, and for a considerable radial distance out therefrom, being substantially altogether of insulating material, a solid insulating liner disposed within the coil and having an axially extending opening therein for accommodating the work to be heated, the outer periphery of the liner being spaced from the inner periphery of the coil and being separated from at least the high-voltage portions of the coil essentially by a gaseous ambient medium, said liner having extended portions thereof extending axially beyond the axial length of the coil at each end, an insulating liner-supporting means, spaced axially beyond each end of the coil, for engaging said extended portions of the liner, and means for supplying such a large high-frequency current to the coil that the danger of space-current discharges from the coil to the work to be heated, due to a high electrostatic stress, is an important consideration in the design.

2,381,275
KNITTING MACHINE
Isaac H. C. Green and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 2, 1944, Serial No. 533,744
11 Claims. (Cl. 66—43)

1. In a circular, independent needle, knitting machine having main and auxiliary cam blocks, a cam in advance of the stitch cams of the aux-

iliary cam block for raising needles from a position at which any loops thereon are around the latches to a sufficient height to cause the loops to pass below the latches, a second cam to immediately lower the needles again to substantially their previous position, a third cam be-



tween these cams and the stitch cams for guiding said needles so that they will knit under the first stitch cam and a fourth cam for immediately raising the needles again to substantially the same height as that to which they were raised by said first mentioned cam.

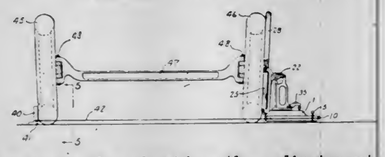
2,381,276

WHEEL GAUGING INSTRUMENT

Robert M. Greenleaf and John L. Hunt, Grosse Pointe, Mich., assignors to M. L. Trust, F. R. Pendleton, trustee

Application March 20, 1944, Serial No. 527,194

9 Claims. (Cl. 33—203)



1. A gauge for checking the adjustment of a wheel comprising a body, a scale on the body, a straight edge for engaging a wheel, means pivotally mounting the straight edge on the body, an indicator connected with the straight edge and operable along the scale around the pivotal mounting, an adjustable support for the body for engaging a floor and which is adjustable to vary the angularity of the body relative to the floor, and a level instrument adjustably mounted on the body, said straight edge including two members, one of which is foldable to overlap the other and extendible to increase the length of the straight edge and means for locking the two members in alignment in extended position.

2,381,277

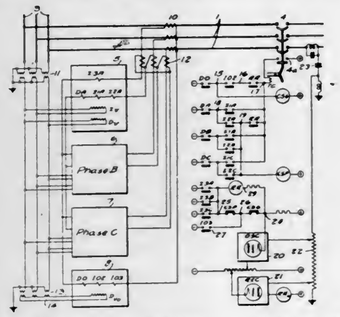
DIRECTIONAL GROUND PREFERENCE RELAYING

Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1943, Serial No. 513,357

13 Claims. (Cl. 175—294)

1. Terminal protective equipment for protecting a terminal of a polyphase line-section, comprising the combination, with a line-segregating circuit-interrupting means at that terminal of the line-section, of signal-means for at times transmitting a signal from the relaying terminal to the far-end terminal of the protected line-section, a receiver-relay having a restraint means which is responsive to a signal transmitted from said far-end terminal, line-fault-responsive relaying-means including ground-fault and phase-fault detector-means and ground-fault and phase-fault internal-direction-responsive directional means, signal-control means for starting said signal-transmission from the relaying terminal in response to a response of a sensitive ground-fault or phase-fault detector-means and for stopping said signal-transmission from the relaying terminal in response to a response of said directional means, with ground preference, and signal-



supervised line-segregating control-means for effecting a line-segregating operation of said circuit-interrupting means in response to responses including a response of said receiver-relay and a response of a less sensitive detector-means, the signal-stopping ground-fault directional means being substantially as sensitive as the signal-starting ground-fault detector-means.

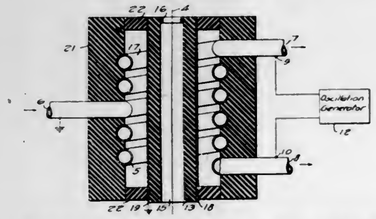
2,381,278

INDUCTIVE HEATING COIL SHIELDING

Luther W. Gregory, Baltimore, and Stanley S. Schneider, Halethorpe, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 5, 1942, Serial No. 464,672

12 Claims. (Cl. 219—13)



1. Apparatus adapted to heat an elongated work to be heated within a gaseous medium at approximately atmospheric pressure, said apparatus including, in combination, an induction heating coil comprising a plurality of turns of a cooled conductor wound in a single layer, means for supplying such a large high-frequency current to the coil that the danger of space-current discharges from the coil to the work due to a high electrostatic stress is an important consideration in the design, a solid insulating separating-means disposed within the coil with portions of said separating-means adapted to be on opposite sides of the work to be heated, means for supporting the separating-means and the coil in such manner that most of the space between the separating-means and the high-voltage portions of the coil is substantially nothing but a gaseous ambient medium, said gaseous space being adequate to take most of the voltage-drop between the high-voltage portions of the coil and the work being heated, and grounded electrostatic field-shielding means in intimate contact with the separating-

means for guarding the work being heated against space-current discharges while offering but slight hindrance to the axial magnetic lines of force within the work being heated.

2,381,279

FISH LURE

Matthew J. Haberkorn, Oak Park, Ill.

Application August 6, 1943, Serial No. 497,575

8 Claims. (Cl. 43—36)



1. A fish lure comprising a body portion including two half shells pivoted together adjacent their front ends, and hook means comprising a hook movably mounted on one of said half shells and lying between said half shells substantially in a horizontal plane and biased toward ejection from between said half shells by movement in a substantially horizontal plane, and retaining latch means released by the relative movement of said half shells, said means holding the hook in housed position when latched and enabling the hook to be ejected when unlatched.

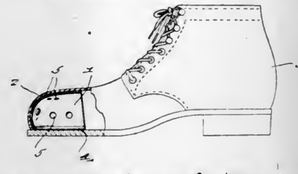
2,381,280

SAFETY SHOE TOE

Bert Handelsman, West Bridgewater, Pa.

Application March 4, 1942, Serial No. 433,390

1 Claim. (Cl. 36—77)



As a new article of manufacture, a safety device of the character described for shoes comprising a perforated metallic shield for slidable insertion for frictional retention in the toe portion of a finished shoe and conforming to the shape thereof, said shield being open at its bottom and rear end, and a downwardly and inwardly directed continuous flange on the lower marginal portions of said shield, said flange being tapered to a feather edge.

2,381,281

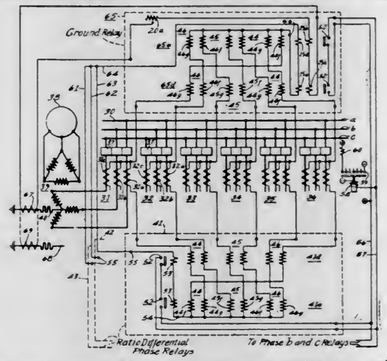
ELECTRICAL RELAY SYSTEM

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1941, Serial No. 402,125

11 Claims. (Cl. 175—294)

1. In a protective arrangement for an alternating current system having a plurality of terminals through which currents normally enter and leave the system, means for deriving from each of said terminals a quantity normally dependent on residual current flowing therein, differential relay means including restraint means and operating means, means for energizing said restraint means in accordance with said quantities, said operating means comprising first means and second means coacting for effecting an operation of said operating means, means for energizing said first means in accordance with the resultant of said quantities, and means independent of said first-named means for energiz-



ing said second means in accordance with a residual quantity present in said system.

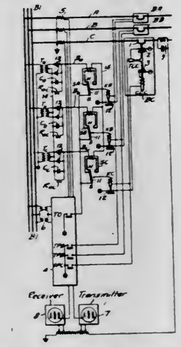
2,381,282

FAULTED-PHASE SELECTOR

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 30, 1942, Serial No. 463,963

16 Claims. (Cl. 175—294)



1. Means for indicating which one of three or more sources of unidirectional voltages has the lowest voltage, comprising a plurality of parallel-connected branch-circuits, one for each source, each branch-circuit including, in series with its source, a current-responsive selector means for selecting the branch-circuit which provides the return-current path for the combined currents of the other branch-circuits.

2,381,283

MEANS FOR MOUNTING TESTING APPARATUS

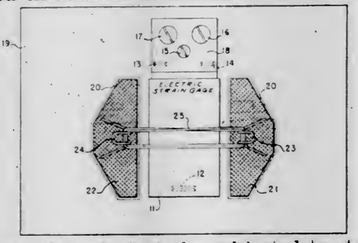
Claude M. Hathaway, Denver, Colo., assignor to Hathaway Instrument Company, a corporation of Colorado

Application November 8, 1943, Serial No. 509,436

7 Claims. (Cl. 73—88)

1. The apparatus for attaching a strain gage of the type having a plurality of supports adapted to engage the surface of a body to be subjected to stress or strain, comprising a pair of spaced apart relatively rigid mesh members embedded in a bonding substance and adhering to the surface of said body, and a resilient member interconnecting said mesh members and

adapted to secure the supports of a strain gage placed thereunder in intimate contact with the



surface of the body to be subjected to stress or strain.

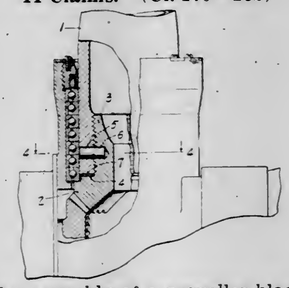
2,381,284

INDEXING AIRPLANE PROPELLER BLADES

William C. Heath, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application July 31, 1942, Serial No. 453,095

11 Claims. (Cl. 170—162)



1. In the assembly of a propeller blade with its feathering gear in which the shank of the propeller and the gear are threaded together and have abutting shoulders, the employment of a washer between the shoulders and having a selected thickness to effect a predetermined stressing of the threads at the indexing position to prevent loosening of the threads when the blade is swung under load.

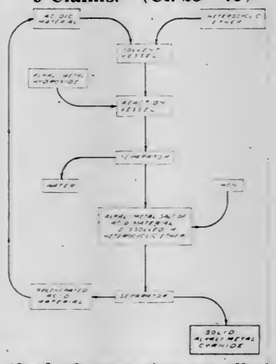
2,381,285

METHODS OF MAKING ALKALI METAL CYANIDES

William H. Hill, Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 28, 1940, Serial No. 354,477

9 Claims. (Cl. 23—79)



1. A method of preparing an alkali metal cyanide which includes the steps of reacting a substantially anhydrous heterocyclic ether solution of an alkali metal salt with HCN, and separating and recovering the precipitated alkali metal cyanide thus formed.

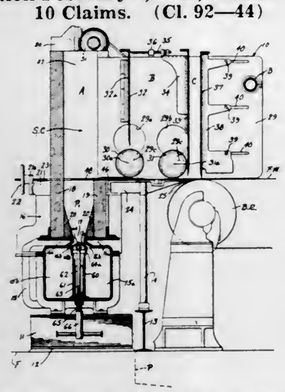
2,381,286

STOCK INLET

Lloyd Hornbostel and Earl E. Berry, Beloit, Wis., assignors to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

Application February 5, 1942, Serial No. 429,602

10 Claims. (Cl. 92—44)



1. A stock inlet adapted for a paper making machine having a web forming surface which comprises means defining a stock chamber adapted to communicate at the forward bottom end thereof with a web forming surface of the paper machine, means defining a stock passageway communicating with the bottom rear end of said chamber across the entire width of the chamber, a horizontally disposed baffle movable into said passageway to regulate flow from the passageway to the chamber, means defining conduits beneath the passageway extending in a transverse direction relative to the line of the paper machine, means for flowing paper stock in opposite directions through said conduits, and an adjustable device between the passageway and each of said conduits for controlling stock flow from the conduits into the passageway.

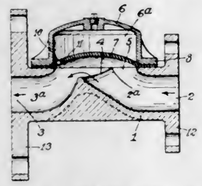
2,381,287

VALVE

George A. Iler, Riverside, Ill., assignor, by mesne assignments, to General Finance Corporation, Chicago, Ill., a corporation of Michigan

Application July 18, 1939, Serial No. 285,122

5 Claims. (Cl. 251—119)



5. An automatic valve comprising a casing having a substantially continuous passageway extending in a generally continuous forward direction therethrough with an inlet and an outlet, an opening intermediate the inlet and outlet, a flexible diaphragm extending across said opening, a seat directly engaged by the diaphragm intermediate the inlet and outlet, a fluid receiving chamber, said diaphragm being between the fluid receiving chamber and the seat and constituting a single separating wall separating said fluid receiving chamber and said passageway, and a fluid connection extending through said diaphragm at a point at one side of and downstream of the seat and connecting said passageway and said fluid receiving chamber.

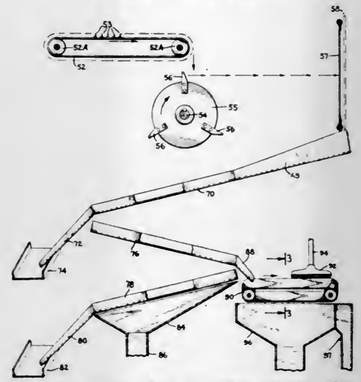
2,381,288

NUTCRACKING DEVICE

Karl M. Jones, Montclair, N. J.; Elizabeth T. Jones administratrix of said Karl M. Jones, deceased

Original application August 7, 1937, Serial No. 157,869. Divided and this application February 19, 1941, Serial No. 379,614

1 Claim. (Cl. 146—9)



In an apparatus for cracking nuts, the combination of a belt provided with means to space nuts of the Cohune variety and to drop them individually at the end of the belt, a rotatable member mounted below the discharge end of said belt, a projection from said rotatable member adapted to pass through a vertical plane at the said end of said belt, said projection serving to crack the nut with a single impact for separating the shell and kernel, and means against which the broken nut contacts without impact for gently arresting its travel, thereby avoiding rupture of the oil cells in the released kernel.

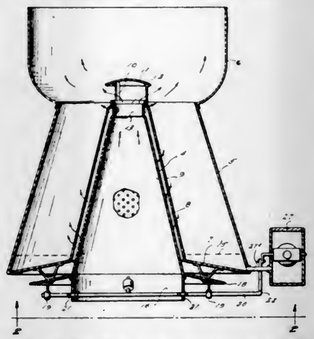
2,381,289

OIL VAPORIZER AND BURNER

Mager C. Jones, Portsmouth, Va.

Application March 10, 1944, Serial No. 525,894

4 Claims. (Cl. 158—91)



1. An oil vaporizer comprising a shell said shell having an imperforate outside wall and a bottom forming a container for oil to be vaporized and an inside perforated frusto-conical part rising from said bottom for admitting air through the side thereof into said shell above the level of oil in the shell, means to supply oil to said container, an air admission control member of frusto-conical hollow form vertically adjustable in said frusto-conical part and slidably connected therewith to guide the same during adjustment, and oil level responsive means for adjusting said air control member.

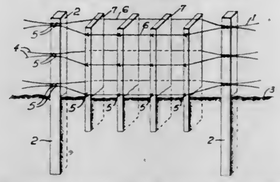
2,381,290

SINGLE-ROW SCOUR PREVENTION FENCE

Thomas M. Joyce, Salinas, and Preston L. Fite, Sacramento, Calif.; said Thomas M. Joyce, deceased, assignor by decree of court to Teresa O. Joyce

Application October 31, 1941, Serial No. 417,302

3 Claims. (Cl. 61—3)



1. The combination in a stream control device of a single row of retaining posts and flexible buffer means between said retaining posts, said means including a plurality of cables fixed between said posts and a plurality of upright buffer members having a generally rectangular shape fixed to and between said cables with their shorter cross-sectional dimension disposed parallel to the direction of stream flow.

2,381,291

PROCESS FOR PRODUCING BERYLLIUM

Bengt R. F. Kjellgren, University Heights, Ohio, assignor to The Brush Beryllium Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application September 18, 1941, Serial No. 411,403

14 Claims. (Cl. 75—84)

1. A process for producing beryllium by thermal reduction of a fluoridic beryllium salt selected from the group consisting of beryllium fluoride, ammonium beryllium fluoride and mixtures of these salts with each other, said process comprising the steps of: reacting to completion a greater than stoichiometric quantity of said fluoridic beryllium salt with metallic magnesium at temperatures above the melting point of magnesium and below the melting point of metallic beryllium to induce the formation of magnesium fluoride and solid metallic beryllium, the excess of said fluoridic salt over stoichiometric proportions being between about .45 and 1.33 mols per mol of magnesium consumed in the reaction and thereby being sufficient to form with the magnesium fluoride produced by the reduction a slag which is fluid at temperatures around the melting point of beryllium; thereafter heating the reaction mass to above the melting point of beryllium to coalesce the reduced beryllium into a pool of molten metal; and separating the coalesced beryllium from the beryllium fluoride-magnesium fluoride slag which remains.

2,381,292

CANOPY FOR LUMINAIRES

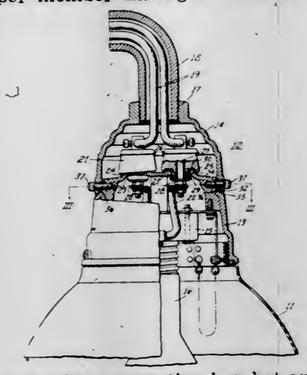
Samuel B. Kraut, Cleveland Heights, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1943, Serial No. 474,807

7 Claims. (Cl. 240—25)

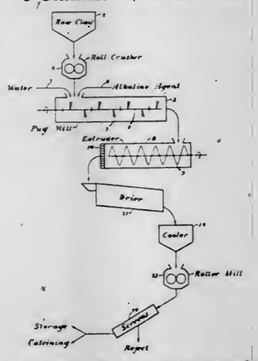
1. A canopy for luminaires comprising, a lower

inverted cup-shaped member for mounting a lamp socket, the top portion of said member having a plurality of openings therein and a downwardly and outwardly sloping upper edge portion forming a circumferential recess, an insulated terminal member mounted in each of said openings in sealed relation to the top portion, an upper inverted cup-shaped member attached to the lower member over the insulated terminals, said upper member having a threaded opening



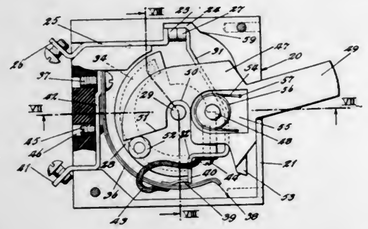
therein to receive a mounting bracket and having its lower rim disposed in said circumferential recess in overlapping and spaced relation both radially and axially with the upper edge of the lower member to provide elongated circumferentially extending drainage openings therebetween, said drainage openings extending throughout a major portion of the circumference of the upper cup-shaped member, and means detachably securing the upper and lower cup-shaped members together.

2,381,293
PROCESS FOR DECOLORIZING HYDROCARBON OIL
William A. La Lande, Jr., Upper Darby, Pa., assignor to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware
Original application March 28, 1942, Serial No. 436,630. Divided and this application April 28, 1944, Serial No. 533,237
6 Claims. (Cl. 196—41)



1. A process for decolorizing hydrocarbon oil, which comprises contacting said oil with Georgia-Florida type fuller's earth which has been extruded in a plastic state at elevated pressure in admixture with from 0.1% to 1.75% by weight, based upon volatile-free earth, of a water-soluble alkaline agent, and thereafter dried, reduced to granular particles, and calcined.

2,381,294
CIRCUIT BREAKER
Hall Langstroth, Greenwich, Conn., assignor to Maguire Industries, Incorporated, a corporation of New York
Application April 13, 1943, Serial No. 482,843
10 Claims. (Cl. 200—116)



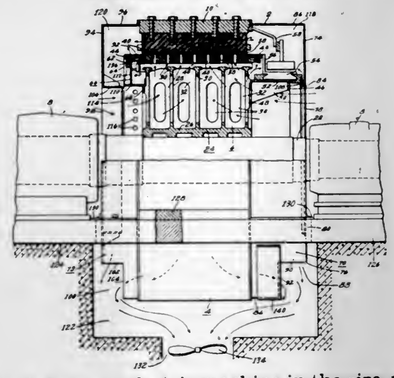
10. A circuit breaker comprising a casing formed of insulating material, a contact fixed in said casing, a rotor formed of insulating material pivoted in said casing, a second contact fixed to said rotor adapted to engage said fixed contact, a spring for normally urging said rotor into open circuit position, a second spring for releasably holding said rotor in circuit closing position, a bi-metal element included in the circuit when said circuit is closed for releasing said second spring, and a manually operable lever formed of insulating material separately pivoted in said casing movable in one direction to turn said rotor into circuit closing position and movable in the opposite direction to release said second spring, substantially as described.

2,381,295
GARMENT
Harry J. Leon, Hartford, Conn.
Application March 27, 1943, Serial No. 480,795
1 Claim. (Cl. 2—71)



A dress comprising a waist and a skirt attached to the bottom of the waist and extending downwardly therefrom, said skirt comprising a pair of flaps simulative of a dress and a pair of inner flaps cooperating with the skirt flaps to simulate trousers legs with the latter normally confined within and hidden by the skirt flaps, said skirt being characterized by one skirt flap having one vertical free edge positioned in front of one leg portion and extending around the other leg portion with the other vertical edge positioned rearwardly of the other leg, one of said inner flaps being attached at its rear vertical edge to the rear vertical edge of said skirt flap and having its other vertical edge attached to the front portion of said skirt flap substantially in line with the rear vertical edge attachment, and a reversed like formation at the other side of the dress.

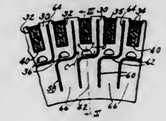
2,381,296
DIRECT-CURRENT DYNAMOELECTRIC MACHINE AND VENTILATING SYSTEM THEREFOR
Clarence Lynn, Pittsburgh 21, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1942, Serial No. 464,874
9 Claims. (Cl. 171—252)



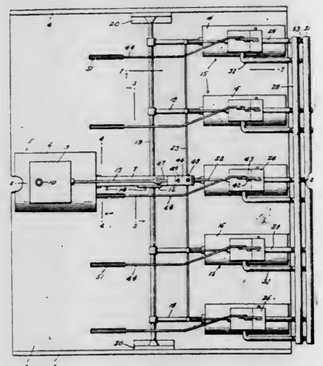
1. A dynamo-electric machine in the size-range from several horsepower per R. P. M. up to a few hundred horsepower per R. P. M., comprising the combination of a stator member having a substantially air-impervious stator-frame, a rotor member separated from said stator frame by an air-gap, a current-collecting device at one end of the rotor member, said rotor member having a relatively large shaft and axially extending ventilating passages disposed near the rotor shaft and a plurality of axially spaced radial ventilating ducts extending from said rotor axial ventilating passages to the air-gap of the machine, the stator member being so restricted as to its ventilating capacity as to be a limiting factor in determining the rating of the machine in regard to the possibility of passing the necessary cooling-gas axially along the air-gap and the stator member, the machine being of such slow speed that an external gas-circulating means is necessary in order to force the ventilation, the current-collecting means being of such size and nature as to cause a serious restriction in the gas-flow passages at that end, as distinguished from the other end, of a rotor member, and external gas-circulating means so applied that substantially all of the ventilating gas is drawn in through the central portions around the shaft at both ends of the rotor member, circulated radially through the radial ventilating ducts of the rotor member, and then directed back axially in both directions through the air-gap and the stator member so that each gas-stream returns substantially to the same end of the machine at which it started, whereby the machine may be built with a materially greater length, and hence smaller diameter and rotational inertia, for a given electrical rating, than if single-flow ventilation has been utilized.

2,381,297
VENTILATED ELECTROMAGNETIC DEVICE
Clarence Lynn, Pittsburgh 21, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1942, Serial No. 465,963
2 Claims. (Cl. 171—252)

1. A magnetizable structure for an electro-magnetic device, comprising a plurality of core-sections, a plurality of finger-means for maintaining said core-sections in spaced relation and providing a plurality of transverse ventilating ducts between said core-sections, at least some of said core-sections being provided with intermediate crosswise ventilating passageways, said core-sections having a side provided with alternately arranged teeth and conductor-receiving slots, certain of said finger-means each comprising a portion along a first tooth, a second portion radially inward of a second tooth and a substantially circumferentially extending portion, between the said first and second portions, said circumferentially extending portions of said finger-means being arranged at opposite ends of said passageways, with that at one end of a passageway being radially inward of said one end and that at the other end of such passageway being radially outward of said other end.



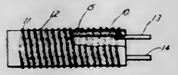
2,381,298
STEAM PUMP
Paul A. McCormick, San Diego, Calif.
Application December 21, 1943, Serial No. 515,169
1 Claim. (Cl. 103—16)



An apparatus of the character described comprising a supporting structure, a steam engine mounted on the supporting structure and adapted for connection with a steam boiler, a fluid pump mounted on the supporting structure and having an inlet and an outlet, said steam engine and said pump having pistons operatively connected with each other for simultaneous movement, a multi-way valve having a main casing communicating with the outlet of the pump and an auxiliary casing communicating with its main casing, a fluid pressure line communicating with the auxiliary casing of said valve, a fluid return line communicating with the auxiliary casing of the valve and with the inlet of the pump, a valve member slidable in said auxiliary casing into and out of position for alternately blocking said lines and having a stem protruding from the auxiliary casing, operating means for said valve member including a lever having one end pivoted to the outer end of the valve stem, opposed cylinders in spaced longitudinal alignment with each other

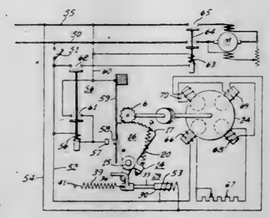
and connected one with the boiler and the other with the pressure line, pistons in the opposed cylinders connected by a rod having a portion exposed between spaced ends of the cylinders, and a link having one end pivoted to the other end of said lever and its other end pivotally connected with the exposed portion of the rod.

2,381,299
HYGROMETER
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1943, Serial No. 479,071
4 Claims. (Cl. 201—76)



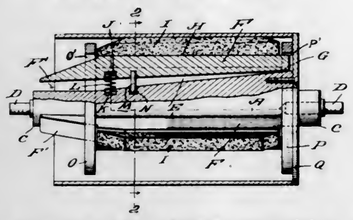
1. In a humidity indicator, in combination, a plurality of electrodes disposed in spaced relation, and beryllium fluoride sensitive to changes in humidity disposed in electrical contact with the electrodes and exposed to the atmosphere.

2,381,300
TIMING RELAY
Kurt Mahnke, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1943, Serial No. 479,073
7 Claims. (Cl. 175—320)



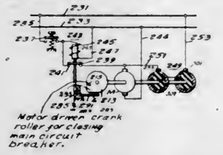
1. A time limit device of the direct current type comprising in combination, a source of direct current, a plurality of coils connected to said source of direct current, a base for the coils, said coils being mounted on the base with their axes in parallel relation and so that the ends of the coils fall in substantially the same plane, a rotatably mounted disc disposed a given distance from the ends of said coils and rotatable in a plane parallel to the plane defined by the ends of said coils, disc operating means including biasing means for normally biasing said disc to a given angular position, electromagnetic means having a spring-biased element for operating said disc when said electromagnetic means is deenergized to another angular position through said disc operating means, means operable by said electromagnetic means, when said electromagnetic means is energized, to release said disc operating means to thus release said disc for rotation to its first given angular position, said disc, being in the magnetic field of said coils, is thus retarded in its rotation to a selected speed for a selected period of time, and switching means operable by said disc at the end of its rotation to its first angular position.

2,381,301
RELEASING TUBE ADAPTER FOR SUPPORTING TUBES OR THE LIKE
George B. Markle, Jr., Hazleton, Pa., assignor to Freeland Spool and Bobbin Corp., Hazleton, Pa., a corporation of Pennsylvania
Application March 23, 1943, Serial No. 480,159
7 Claims. (Cl. 242—72)



1. A releasing tube adapter comprising a barrel having a plurality of grooves, spring-actuated blades mounted in said grooves, the outer faces of said blades being provided with grooves to receive friction producing material, means for preventing longitudinal movement of said blades in said grooves, discs carried by the barrel for limiting the outward movement of said blades in said grooves, said blades being provided with tapering fingers adapted to be engaged by a ring tube releasing member.

2,381,302
ELECTRIC OPERATING MEANS FOR CIRCUIT BREAKERS
John W. May, Durham, N. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1942, Serial No. 430,711
13 Claims. (Cl. 175—294)



1. In a circuit breaker, motor operating means for said circuit breaker comprising a rotatable member rotatable through a cycle to effect closing operation of the breaker, an electric motor for rotating said member, a supply circuit for energizing said motor, circuit means including a control switch for energizing said motor, an electromagnetic relay having contacts connected in a portion of the circuit of said motor and an armature movable to an attracted position to open said contacts, a latch normally restraining said armature in unattracted position, means operable in accordance with a predetermined movement of said rotatable member to cause said latch to release said armature and thereby permit operation of said relay and means operable after energization of said motor for maintaining said motor energized independently of said control switch to complete an operation of said motor and to then deenergize said motor.

2,381,303
PAPER ROLL RACK
Fred Mellor, Shreveport, La., assignor of one-half to Howard George, Benton, La.
Application February 11, 1944, Serial No. 522,201
3 Claims. (Cl. 242—55.2)

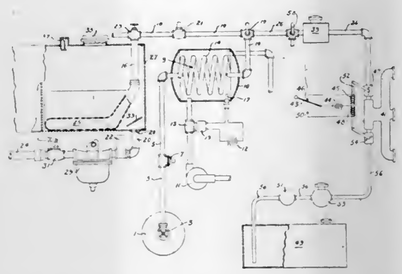
1. A paper roll rack comprising a base means adapted to be fastened to a counter or the like,

a paper roll holding frame mounted on the base means and adapted to hold a paper roll in an elevated position above the counter or the like, the paper roll holding frame including a pair of standards extending in spaced parallel relationship from the base means, each of said standards being provided with a U shaped bearing having an opening located at a medial portion of the length of the standard adapted to receive the end of an axle supporting a paper roll, each of the



standards being provided with a guide member in alignment with the rear wall of its U shaped bearing, the guide members being adapted to guide the ends of the axle into the U shaped bearings, each of the standards being pivoted to the base means to permit the paper roll holding frame to be revolved to a position where it contacts the counter or the like, whereby to facilitate the placing of the ends of the paper roll supporting axle in the U shaped bearings.

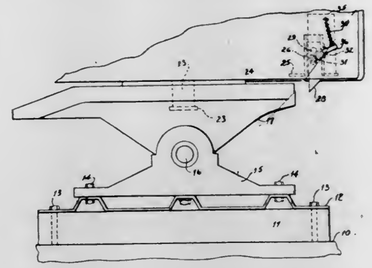
2,381,304
LIQUID DISPENSING APPARATUS
Joseph A. Merrill, Winnetka, Ill., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application August 19, 1943, Serial No. 499,289
6 Claims. (Cl. 123—121)



1. In a liquid dispensing apparatus, a cylinder containing combustible fuel, a liquid compartment, an expansible resilient bag in said compartment adapted to receive vaporized combustible fuel from said cylinder providing means for effecting pressure delivery of liquid from said compartment, a device adapted to utilize said combustible fuel, and means for connecting said device at will to said bag.

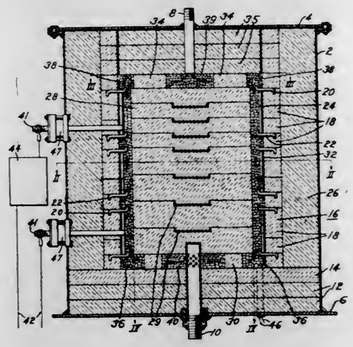
2,381,305
SAFETY DEVICE FOR TRAILERS
Charles F. Mooney, Charlotte, N. C., assignor of one-half to John D. Kluttz, Charlotte, N. C.
Application April 24, 1944, Serial No. 532,413
6 Claims. (Cl. 280—33.1)

1. In a tractor and trailer, the tractor having a fifth wheel on which the front end of a trailer is adapted to rest, a downwardly projecting latch mounted on the front portion of the trailer and having its lower end normally occupying a position in front of the fifth wheel of the trailer when the tractor and trailer are coupled together to pre-



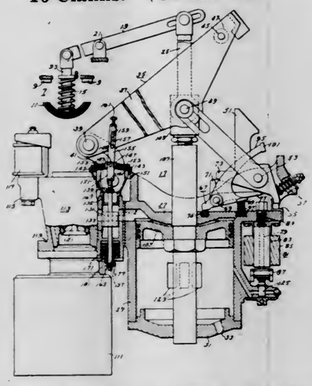
vent disengagement of the trailer from the fifth wheel and means for moving the latch upwardly to remove the lower end thereof from in front of the fifth wheel.

2,381,306
GAS GENERATOR UNIT
Clarence E. Peck, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,418
7 Claims. (Cl. 23—288)



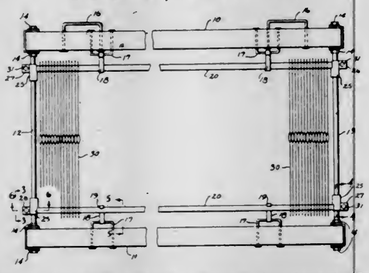
4. A structure of the class described in which hydrocarbon gases are to be reacted with oxygen-containing gases in the presence of a catalyst, comprising a metal casing including a metal top, a metal bottom and metal sides, heat-insulation adjacent said top, a firebrick wall on said bottom, a heat-resisting and insulating lining means for said sides, a solid central heat-resistant core having an outer contour generally following, and smaller than, that of the inner surface of said lining means, to provide a reaction chamber with said lining means, spaced piers on said firebrick wall below said core, said piers providing communicating passages from said reaction chamber and a gas collecting chamber, spaced piers on said core providing a distributing chamber and communicating passages to said reaction chamber, heating means for said reaction chamber, gas inlet means for admitting a mixture of gases to said distributing chamber, gas outlet means from said collecting chamber, and a divided catalyst substantially filling said reaction chamber and the first said communicating passages.

2,381,307
CIRCUIT BREAKER
Henry L. Peek, Camp Gordon, Ga., and James M. Cumming, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1942, Serial No. 445,880
16 Claims. (Cl. 200—82)



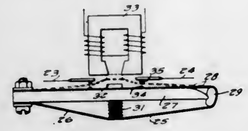
1. In combination, a circuit breaker, compressed gas operating mechanism for operating said circuit breaker, a gas pressure supply system for supplying compressed gas to actuate said operating mechanism, means for controlling the rate of flow of compressed gas to said mechanism, actuating means for said rate controlling means controlled in response to predetermined movements of said circuit breaker, and pressure responsive means connected to said supply system for automatically controlling said first mentioned means in response to changes in gas pressure of said supply system.

2,381,308
HEDDLE FRAME
George R. Plott, near Concord, N. C.
Application July 12, 1944, Serial No. 544,476
8 Claims. (Cl. 139—92)



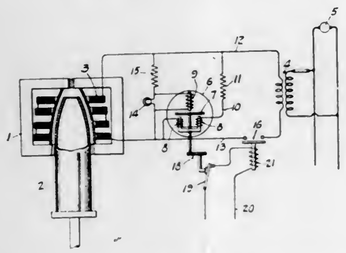
1. In a heddle frame having horizontally disposed frame members and vertically disposed end bars disposed between the ends of the horizontal frame members, a pair of heddle bars, means for removably anchoring the ends of the heddle bars to the vertically disposed end bars comprising the vertically disposed frame members having cavities therein into which the heddle bars are adapted to fit and cuff members surrounding the vertically disposed end bars and slidably fitting over the ends of the heddle bars, and means penetrating the slidable members and heddle bars for releasably locking the slidable cuff members to the heddle bars and to the vertically disposed end bars.

2,381,309
BOWSTRING RELAY
Edward U. Powell, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,305
16 Claims. (Cl. 200—87)



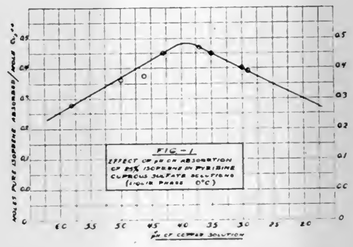
1. A wiping contact make-and-break device having a bowstring type of spring-mechanism comprising a flexible tension-member, means for keeping said tension-member under tension, force-applying means for displacing an intermediate portion of the tension-member, and contact-means including stationary means interposed in the path of the tension-member for displacing a second intermediate point therein as the force-applying means approaches the end of its travel.

2,381,310
TEMPERATURE CONTROL FOR ELECTRIC HEATING
Walther Richter, Whitefish Bay, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 21, 1943, Serial No. 491,634
9 Claims. (Cl. 219—20)



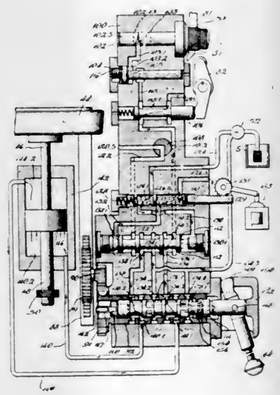
1. In a temperature control for electric induction and resistance heating operations, the combination with the work load and current supply lines of a heating system, a wattmeter having its voltage coil connected across the current supply lines and its current coils in series with a constant resistor also connected across the current supply lines in shunt to the work load, the connection of said voltage coil being made to a tap of a voltage divider bridging the supply line with a non-linear resistance in one element thereof to change the ratio between the voltage of said line and that applied to the coil of the meter so that the voltage will divide between the elements of the divider to give the voltage coil a higher proportionate voltage when the line voltage is high and a lower proportionate voltage when the line voltage is low to thereby compensate for different heat losses in the work and provide for the more nearly equal heating of each successive workpiece, and means responsive to the operation of said meter for stopping the heating cycle in a predetermined time as modified by voltage changes in the supply line and substantially by varying heat losses in the workpiece.

2,381,311
METHOD OF CONCENTRATING DIOLEFINS
Richard F. Robey, Roselle, and Miller W. Swaney, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application September 6, 1941, Serial No. 409,778
8 Claims. (Cl. 260—681.5)



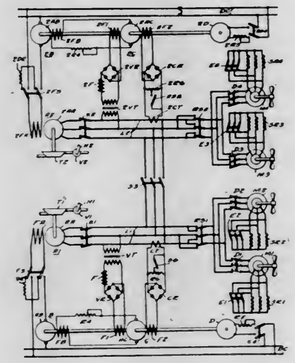
1. A process for the separation of a diolefin from a hydrocarbon mixture by means of a selective extraction with a solution comprising a cuprous salt dissolved in a pyridine base.

2,381,312
MACHINE TOOL CONTROL APPARATUS
Ralph Rodal, Richmond, Ind., assignor to National Automatic Tool Company, Inc., Richmond, Ind., a corporation of Indiana
Application April 26, 1943, Serial No. 484,528
10 Claims. (Cl. 121—45)



4. A servo valve structure for manually controlling the position of a hydraulically operated part, comprising, a valve body, a ported sleeve rotatable in said body and having its angular position controlled by the hydraulically operated part, a longitudinally movable two-position valve having ports which in one position of the valve are cooperable with the ports in said sleeve to control the flow of hydraulic actuating fluid to and from said hydraulically operated part, and which in another position is ineffective to control such flow, and manually operable means to shift said valve between its two positions and to determine its angular position with respect to said sleeve.

2,381,313
STABILITY CONTROLLED SHIP PROPULSION SYSTEM
Walter Schaelchlin, Pittsburgh, and Earl H. Hornbarger, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,808
11 Claims. (Cl. 172—8)



11. A ship-propulsion control system comprising a variable speed alternator, an alternating-current propulsion motor, circuit means connecting said alternator with said motor, a field winding on said alternator, direct-current exciting means connected to said field winding and including a source of substantially constant voltage and a booster generator having a booster field winding, a control generator connected to said booster field winding and having two differential control field windings for producing a variable voltage of reversible polarity, current-responsive energizing means disposed between said circuit means and one of said control field windings for energizing the latter in dependence upon the load current of said alternator so as to boost said constant voltage, and voltage-responsive energizing means connected between said circuit means and said other control field winding for energizing the latter in dependence upon the flux of said alternator so as to buck said constant voltage.

2,381,314
MANUFACTURE OF GREASES FROM GREASE BASES
William H. Shields, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 6, 1942, Serial No. 433,674
2 Claims. (Cl. 252—39)

1. The method of making a grease which comprises dissolving a grease base comprising a calcium soap of a saturated fatty acid in grease forming proportions and a polyhydric alcohol ester of a higher fatty acid which ester has at least one free hydroxyl group, in a lubricating oil, cooling the solution to approximately room temperature and thereafter heating the composition and maintaining it at a temperature of 40 to 90° C. for a period of time sufficient to cause any grease base which is in a dispersed condition in the mixture to absorb oil and form a gel therewith.

2,381,315
CONNECTION
Roy M. Smith, Fairfield, and Benjamin C. Webster, Southport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application June 13, 1942, Serial No. 446,854
3 Claims. (Cl. 85—36)

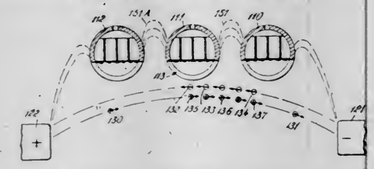


1. In a device of the type described, comprising, an elongated member substantially rectangular in form, an aperture through said member, at least one locking tab bent outwardly of said member, said tab being additionally bent in the opposite direction toward said member, said tab extending longitudinally of said member, and the free end thereof forming a side portion of said aperture.

2,381,316
CATALYST AND PROCESS FOR PRODUCING POLYHYDROXY COMPOUNDS
Leonard A. Stengel and Frank E. Maple, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application June 28, 1939, Serial No. 281,602
4 Claims. (Cl. 260—635)

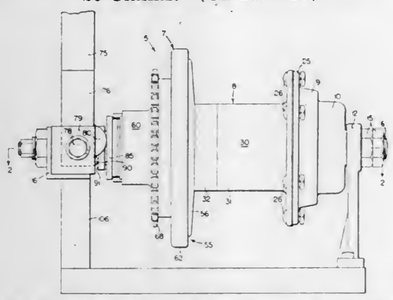
4. A process for the hydrogenolysis of a polyhydroxy aliphatic compound chosen from the class consisting of mono- and disaccharides which comprises subjecting the said compound to the action of hydrogen under super-atmospheric pressure and temperature, in the presence of a stable organic liquid medium, and a catalyst comprising essentially coprecipitated cupric oxide and calcium fluoride.

2,381,317
DEVICE FOR MAGNETIC CONTROL OF A DISCHARGE
Howard M. Strobel, New York, N. Y.
Application July 7, 1943, Serial No. 493,717
12 Claims. (Cl. 200—147)



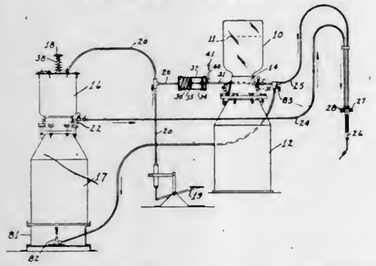
1. In a circuit breaker including separable contacts which on opening create an electric arc discharge through an ionizable medium, means for creating a magnetic field across said arc discharge and at least one arc splitting element within said field arranged transverse to the arc discharge path and so positioned in space relative to the arc discharge formed between the separable contacts as to divide the deflected arc discharge, said arc-splitting element being constructed to enclose a deionizing structure adapted to arrest particles of the discharge which are magnetically deflected into said structure, said element being formed of conductive material and having at least one open ended pocket in a side thereof constructed of conductive material conductively joined to said element, the joining of the parts of said modified arc splitting element being such as to form an electrical connection of conductive material having substantially no impedance and said magnetic field being adapted to deflect the discharge toward an opening of said pocket in the element.

2,381,318
CLUTCH AND BRAKE ASSEMBLY
Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 30, 1942, Serial No. 467,448
20 Claims. (Cl. 192—18)



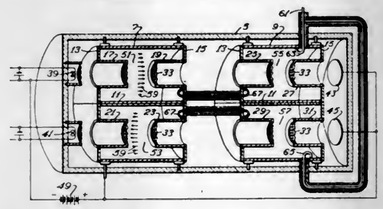
1. A clutch and brake assembly comprising a pair of driving and driven cooperative clutch members, a pair of cooperative brake elements, one of said elements being connected with said driven member, a spring for normally holding said elements in braking engagement, means for applying a force against said driving clutch member through said driven clutch member to oppose said spring and disengage said brake elements, and means for selectively applying a force independent of said driving clutch member to oppose said spring and disengage said brake elements.

2,381,319
PORTABLE OXYGEN-ACETYLENE GENERATOR
Rodney B. Swift, West Alexandria, Ohio
Application July 2, 1943, Serial No. 493,257
10 Claims. (Cl. 48—53.3)



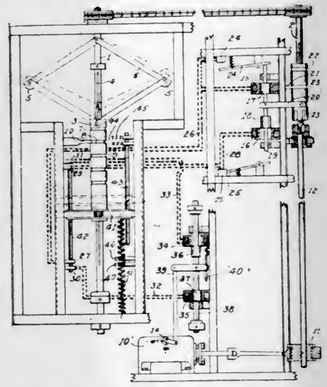
1. In an oxygen-acetylene generator, a source of oxygen gas and a source of acetylene gas, a nozzle to which said sources are connected, a receptacle for calcium carbide, a water receptacle beneath it, automatic feed mechanism for feeding the calcium carbide into the water under control of the pressure of acetylene gas produced by the reaction between the calcium carbide and the water, a receptacle for sodium peroxide, a second water receptacle beneath it, and feed mechanism for discharging measured quantities of sodium peroxide into the water of the second receptacle, and means under the control of the pressure of the acetylene gas for controlling the discharge of sodium peroxide into the water of the second receptacle.

2,381,320
ELECTROMAGNETIC APPARATUS
Gereld L. Tawney, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1940, Serial No. 367,625
8 Claims. (Cl. 250—27.5)



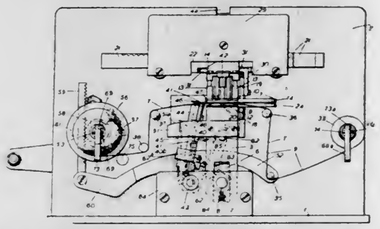
1. An electron tube comprising a first electromagnetic resonator including a first conducting shell having conducting means positioned therein subdividing the space bounded by said first shell, a plurality of electrodes mounted outside of said first shell for projecting a stream of electrical charges through one subdivision of said space bounded by said first shell, and a second electromagnetic resonator comprising a second conducting shell having second conducting means therein subdividing the space bounded by said second shell, one of the subdivisions of said second shell having the same resonant frequency as said one subdivision of said first shell, said second shell being mounted with said one subdivision thereof in the path of said stream between said first shell and one of said electrodes whereby said stream passes through said one subdivision of said second shell after it has passed through the subdivision of said first shell.

2,381,321
WORK-PRODUCING SPEED CONTROL
Hugo A. J. Thiesen, St. Louis, Mo.
Application August 20, 1941, Serial No. 407,613
1 Claim. (Cl. 175—355)



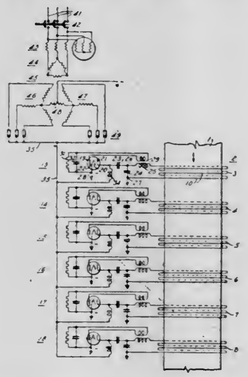
In a speed control, a driving shaft, a driven shaft, a clutch movable between said shafts, a work-producing unit constantly drivingly connected to said driven shaft, control means for making movement of said work-producing unit selectively effective or ineffective to produce work, electrical means controlling the movement of said control means to its operative and inoperative positions, electrical means for controlling the movement of said clutch, a support structure carrying fixed switch contacts, a non-rotatable carrier axially movable on said driving shaft, switch elements on said carrier selectively engageable with the fixed contacts to control the electrical circuits at predetermined positions of said carrier, a fixed element yieldably interlocking with said carrier and partially retarding movement of the same, and means between said carrier and driving shaft and controlled by the speed of the latter to operably actuate said carrier.

2,381,322
WEB-FEEDING MECHANISM
Arthur Thomas, Wallington, England, assignor to Powers Accounting Machines Limited, London, England, a British company
Application February 2, 1944, Serial No. 520,835
In Great Britain February 5, 1943
22 Claims. (Cl. 164—112)



1. Mechanism for feeding a web of paper or the like through a punching machine, including in combination a movable punch member, an oscillatory support for feeding the web intermittently through the punch member, feed pins carried by said support, means on the support for moving the web relatively to the pins to effect engagement of the feed holes in the web with the pins at the beginning of a feed stroke of the support, and disengagement of the holes from the pins at the end of a feed stroke and said last named web moving means being controlled by the movable punch member.

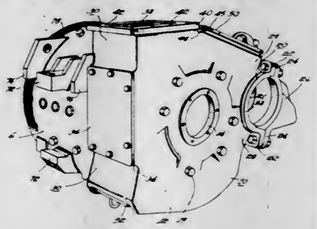
2,381,323
TIN-PLATE FLOWING APPARATUS
Milton P. Vore, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1942, Serial No. 465,270
3 Claims. (Cl. 219—13)



1. Induction-heating apparatus for inductively heating an elongated member which is continuously moving in the direction of its length, said induction-heating apparatus comprising a plu-

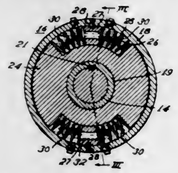
rality of spaced, coaxial induction-heating coils, following one another along a line adapted to correspond to the length of the elongated member, the magnetic coupling between successive induction-heating coils being weak, a separate oscillation-generator means for separately energizing each induction-heating coil with oscillation-frequency energy, each oscillation-generator means having a tank-circuit effectively serially including its own induction-heating coil, the inductance of each induction-heating coil being variable in accordance with the condition or nature of the member being heated, and hence the frequency of each oscillation-generator tank-circuit being correspondingly variable, the ratio Q, between the wattless power stored in each tank-circuit and the actual power delivered by its induction-heating coil to the member being heated, being variable in response to the nature or condition of the member being heated, said ratio Q being greater than 10 under certain operating conditions, whereby the several oscillation-generator means are not materially affected by loosely coupled circuits of slightly different frequencies, and feedback-means from each tank-circuit for keeping its oscillation-generator means oscillating, the tank-circuits of the several oscillation-generator means being tuned to a plurality of different frequencies, whereby the several oscillation-generator means are operable, each at its own frequency, substantially independently of the frequency of the other oscillation-generator means, thus avoiding excessive internal overheating as a result of the reactive components of the currents in the several oscillation-generator means, and also avoiding any excessive tendency for any one oscillation-generator means to "hog" the load because of its feed-back coupling.

2,381,324
ELECTRIC TRACTION-MOTOR
Richard H. Wagner, Edgewood, and Erich O. Mueller, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1942, Serial No. 439,356
15 Claims. (Cl. 172—286)



1. An electric traction-motor having an axis extending generally longitudinally of the motor, comprising a stator-frame having a cylindrical pole-supporting frame-barrel, and a cast end-casting secured to said frame-barrel, said end-casting comprising a motor-supporting portion, said end-casting having outer flattened surface portions providing a plurality of ventilating-openings extending generally longitudinally of the motor, a first of said ventilating-openings being substantially opposite to said motor-supporting portion, a second of said ventilating-openings being between said first ventilating-opening and said motor-supporting portion, said first and second ventilating-openings being substantially perpendicular to each other, said end-casting having closable access-openings between each ventilating opening and said motor-supporting portion.

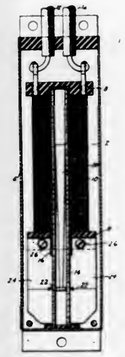
2,381,325
DAMPED DRIVE-MECHANISM
Arthur M. Wahl, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1941, Serial No. 417,886
2 Claims. (Cl. 74—574)



1. A rotating-shaft means of a type having characteristics such as to tend to produce objectionally large torsional oscillations of a particular frequency-range, superimposed on a rotating-movement, over a particular speed-range at which the rotating-shaft means is intended to operate for material periods of time, and damper-means coupled to the shaft, said damper-means comprising an annular housing coupled to the shaft, oscillatably movable weight-means within said annular housing, spring-means for yieldably resisting relative movement between the weight-means and the housing, a filling of a low-viscosity liquid in said housing, and partition-means carried by the housing within said liquid, the weight-means being adapted to cause a movement of the liquid within said damper-housing as a result of the oscillatory movement of the weight-means relative to the housing, the partition-means being adapted to resist such movement of the liquid, and the system of weight-means and partition-means providing, in effect, orifice-means of such adequate dimensions as to permit orifice-restricted liquid-flow in sufficient amounts, in both directions, to permit a relatively large amount of oscillatory movement of the weight-means near the frequency-range of said torsional oscillations, the viscosity being so low and said orifice-means having such orifice-opening as to damp said oscillatory movement with a force which varies with the velocity of movement at a rate greater than the first power of said velocity under intended operating-conditions of the damper-means, said weight-means and spring-means having a natural frequency of resonance approximating the principal frequency of the torsional oscillations to which the shaft is subjected, whereby the amount of angular movement of the weight-means relative to the damper-housing is greater than the amount of the superimposed angular oscillation which is transmitted from the shaft to the damper-housing.

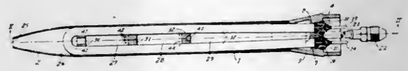
2,381,326
ELECTRORESPONSIVE INDICATOR
Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1943, Serial No. 495,444
1 Claim. (Cl. 171—95)

In an electrical measuring device, a vertically mounted solenoid to be energized in accordance with a quantity to be measured, a transparent tubular core for said solenoid having a portion depending therefrom, closures for the end of said core, an armature disposed in said core to be magnetically suspended by said solenoid and having an enlarged upper portion within the solenoid tapering to a substantially smaller lower portion visible through the depending portion of said core, and an indicating disc coaxially mounted on said lower portion, the diameter of



said disc being such as to guide the reciprocation of said armature and damp the vertical movement thereof.

2,381,327
PITOT STATIC AIR-SPEED INDICATOR
Kenneth L. Woodman and Eldred O. Morton, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 19, 1944, Serial No. 523,052
21 Claims. (Cl. 73—212)

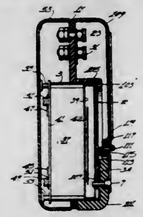


1. A Pitot-static tube comprising, in combination, an elongated casing pointed at the front having an opening at the front for receiving the dynamic pressure of the fluid flow component flowing toward the opening in the front of the casing, three spaced plugs disposed within the casing, a rear closure for the casing, said three spaced plugs and rear closure dividing the casing into four chambers, counting from the front toward the rear, namely, a first chamber, a second chamber, a third chamber, and a fourth chamber, a single U-shaped heating unit so supported by the plugs that the bight of the U-shaped unit extends into the first chamber and the legs of the U-shaped unit extend through chambers two, three and four into the rear closure, said rear closure being provided with electric terminals for connecting a source of electric energy to the ends of the legs of the heating unit, said terminals being insulated from the closure through fluid tight electric insulating seals to prevent the loss of any fluid pressure from the fourth chamber, said first plug having an opening providing a communication between chambers one and two, a dynamic fluid pressure collecting tube extending into chamber two through fluid tight seals through the rear closure and plugs three and two, said plugs being sealed at their peripheries to the casing, said third plug having an opening providing a communication between chambers three and four, drain means at the bottom of the casing directly in front of each plug, said casing being provided with openings in the side thereof between plugs two and three, a static fluid pressure collecting tube extending into chamber four through a fluid tight seal in the rear closure.

2,381,328
PROCESS FOR THE PREPARATION OF MYOSMINE
Charles F. Woodward, Abington, and Abner Eisner and Paul G. Haines, Philadelphia, Pa., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office
No Drawing. Application October 27, 1943, Serial No. 507,892
4 Claims. (Cl. 260—236)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing myosmine which comprises pyrolyzing substantially pure nicotine in the presence of quartz at a temperature of about 500 to 650° C.

2,381,329
ELECTRICAL MEASURING INSTRUMENT
Douglass A. Young, East Orange, and Veron S. Thomander, Maplewood, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1942, Serial No. 468,764
7 Claims. (Cl. 171—95)

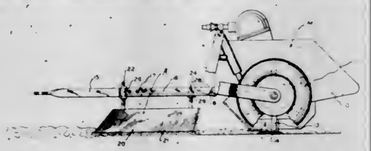


1. In an electroresponsive measuring instrument assembly, a casing including a base member having a recess therein, and a panel member for closing the recess in said base member, means operable externally of said casing for attaching said panel member to said base member, said panel member having an opening therein permitting access to said recess, a cover member for said opening, said cover member including a light-permeable member for exposing a portion of an instrument positioned in said recess, and a shield member positioned to project from said cover member through said opening into said recess to surround an instrument positioned in said casing, said shield member having an opening displaced from said cover member to permit insertion of an instrument in said shield member while said shield member is attached to said cover member, a closure member for said shield member, said closure member, shield member and light-permeable member forming a substantially dust-proof container extending through the opening in said panel member into said recess, an electroresponsive instrument positioned within said container for exposure through said light-permeable member, and means attaching said instrument to said closure member for removal therewith relative to said cover member, said shield member being effective for shielding said instrument against fields produced by electric charges.

2,381,330
ROAD SURFACE-WORKING MACHINE
Mando S. Ariens, Brillion, Wis.
Application October 6, 1941, Serial No. 413,813
2 Claims. (Cl. 94—44)

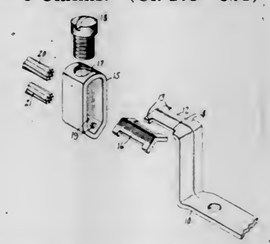
1. A forwardly projecting draft rigging for a road surface working machine comprising, a

frame including a central beam and diverging brace beams, a V-shaped ridge leveling and scraping blade disposed below the frame for leveling and distributing material throughout the



width of the road surface working machine, upwardly extending standards carried by the blade, and means adjustably connecting the standards to the central and side beams.

2,381,331
TERMINAL CONNECTOR
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 15, 1943, Serial No. 506,370
3 Claims. (Cl. 173—324)

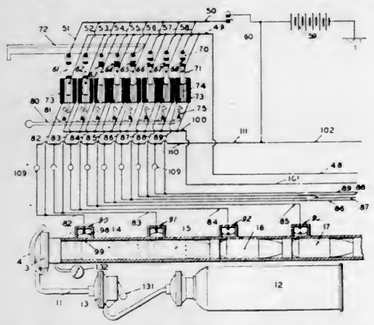


1. A connector comprising a terminal strap, a rigid flattened tubular member slidably mounted on said terminal strap, a clamping member slidably mounted in said tubular member, said terminal strap and said clamping member having V-shaped cross sections and said terminal strap being positioned in said tubular member with its convex side adjacent one end of said tubular member and said clamping member having its convex side adjacent the concave side of said terminal strap, and a clamping screw in the end of said tubular member adjacent said terminal strap for engaging said terminal strap whereby the ends of conductors inserted respectively between said terminal strap and said clamping member and between said clamping member and the other end of said tubular member are clamped by said screw in good electrically conducting relation with said terminal strap.

2,381,332
ATTACK WEAPON FOR AIRPLANES
Werner F. Boldt, Clayton, Mo.
Application June 27, 1940, Serial No. 342,647
12 Claims. (Cl. 89—1.5)

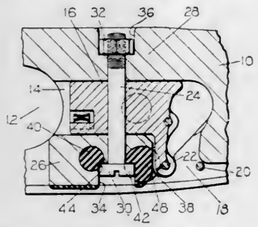
1. A discharge mechanism for explosive shells comprising a tube to contain the shells, a catch mechanism cooperating with the forward shell for holding the shells in the tube, means for placing fluid under pressure behind the last shell, and means for so controlling the catch mechanism that any number of the shells in the tube can be released successively, said last named means comprising means for preselecting the number of shells to be released, and means for releasing the catch mechanism and holding it released while said preselected number of shells is released.

12. A releasing mechanism for a plurality of explosive members, said releasing mechanism comprising settable means having definite settable parts for preselecting any number of explosive members to be released other than at least one, and means for releasing said preselected number of explosive members and also the ex-



plosive member which cannot be preselected, said last named means embodying means for releasing of the one member which cannot be preselected but only in the event of a resetting of a part of the settable means of preselecting means to a position corresponding to a preselection of a member which has been previously released.

2,381,333
LOOM SHUTTLE
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Substituted for abandoned application Serial No. 536,924, May 23, 1944. This application May 23, 1945, Serial No. 595,273
3 Claims. (Cl. 139—223)

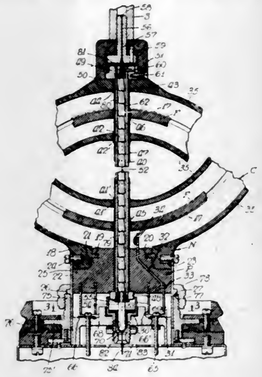


1. A shuttle comprising a shuttle body having a recess for receiving a filling carrier, a cavity communicating with said recess for receiving a threading block and a side delivery eye in the front wall of said shuttle body and communicating with said cavity, a threading block in said cavity, a pair of spaced pins in said front wall close to said side delivery eye and a bolt passing through a hole formed between said pins and through said threading block to hold said threading block in position, said pins each being provided with a shelf forming a seat for the head of said bolt.

2,381,334
LOOP ANTENNA UNIT
Milton L. Brownshield, Dobbs Ferry, N. Y.
Application September 6, 1944, Serial No. 552,829
10 Claims. (Cl. 250—11)

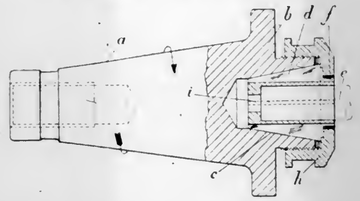
1. A loop antenna unit, comprising a pair of complementary annular insulating troughs, each

with a short radial neck trough extension, a generally cylindrical loop support frame, an antenna loop thereabout, a contact carrying plug, and means bonding the annular troughs in edge to



edge contact into a unitary water-tight torus casing that has a neck extension, with the loop support frame and the plug rigidly clamped respectively in the torus casing and in the neck extension thereof.

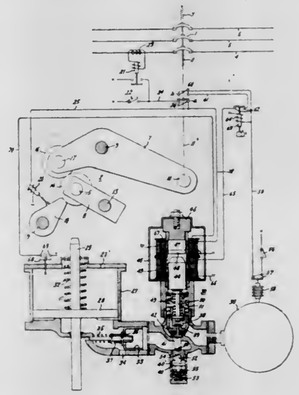
2,381,335
CHUCK FOR DRILLS, REAMERS, MILLING CUTTERS, AND LIKE TOOLS
Charles Henry Clare, Salford, England, assignor to Clare-Collets Limited, Salford, England, a British company
Application May 19, 1943, Serial No. 487,626
In Great Britain May 13, 1942
1 Claim. (Cl. 279—52)



A chuck for a milling cutter or like tool comprising a shank having a body formed with a substantially conical recess, a conical tool receiving collet inserted in said recess and having a slit extending from end to end thereof, a coupling threaded on said body and having a flat-sided hole therein, the outer end of the collet having a shape corresponding with and fitting in said hole, the drive from the body to the tool and the resistance of the latter tending to screw the coupling upon the body and so tighten the engagement of the collet with the tool.

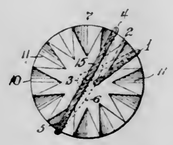
2,381,336
CONTROL OF ELECTRIC SWITCHES
Thellwell R. Coggeshall, Bala Cynwyd, Pa., assignor to General Electric Company, a corporation of New York
Application November 29, 1943, Serial No. 512,179
11 Claims. (Cl. 175—294)

1. In a control arrangement for an electric switch provided with fluid pressure actuated closing means arranged to be energized through electromagnetically actuated valve means from a source of fluid under pressure, a control circuit for effecting the opening of said valve means, a control switch in said circuit, means connected to be energized upon closure of said control switch for opening said control circuit a pre-



determined time thereafter, magnetic means for holding said valve means open, electromagnetic means for neutralizing the effect of said holding means, and means for effecting the energization of said neutralizing means during the closing of said electric switch.

2,381,337
DEVICE FOR MAKING ROSETTELIKE ARTICLES
Herbert Cottrell, Point Pleasant, N. J.
Application November 10, 1943, Serial No. 509,938
3 Claims. (Cl. 28—15)

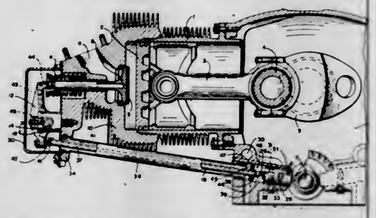


1. A device for forming rosette-like articles comprising a circular flat member having radially arranged grooves in its top face and extending to the rim, the grooves being deepest at the rim and tapering toward the center of the member, the member having a recess in the bottom face thereof, and a pin fitting in the recess and readily removable therefrom.

2,381,338
VINYL TRIMETHYL ACETATE AND SYNTHETIC RESINS MADE THEREFROM
William R. Cornthwaite, Niagara Falls, and Norman D. Scott, Sanborn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1942, Serial No. 460,834
1 Claim. (Cl. 260—86)

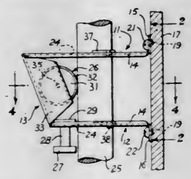
A copolymer composed of trichlorethylene and vinyl trimethylacetate, said copolymer containing approximately 39% trichlorethylene and approximately 61% vinyl trimethylacetate.

2,381,339
VALVE LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Carl T. Doman, Geddes, N. Y., assignor to Air-cooled Motors Corporation, Syracuse, N. Y., a corporation of New York
Application October 14, 1942, Serial No. 461,952
2 Claims. (Cl. 123—90)



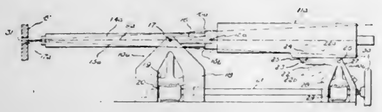
1. A valve lubricating system for internal combustion engines including a crank case, a cylinder, spring seated intake and exhaust valves for the cylinder, a piston, a crank shaft, and cam shaft, valve mechanism operated by the cam shaft including rocker arms, supports having bearings for the rocker arms, lift rods coacting with the rocker arms at like ends, the other ends of the rocker arms coacting with the valve stems, and hydraulic valve lifters coacting with the cam shaft and thrusting against said rods, and being of the type to which oil is supplied under pressure and which have a pumping or leaking action during the operation of the engine, the crank case being formed with bores in which the lifters work, a casing enclosing the rocker arms, tubes enclosing the lift rods, and opening at their outer ends into the casing and communicating at their inner ends with said bores, the lift rods being hollow and having inlets at their inner ends opening into said bores, the rocker arms being formed with bores communicating with the interiors of the lift rods and arranged to discharge on the bearings for the rocker arms and at the points where the rocker arms coact with the valve stems, the bores in which the lifters work being provided with plugs dividing each transversely into two chambers, one opening into the adjacent tube and the inlet of the associated lift rod opening into the other, and an outlet for the oil returning through each tube communicating with the first of said two chambers.

2,381,340
CLAMPING DEVICE
Harold Eastman, College Point, N. Y.
Application September 5, 1942, Serial No. 457,508
6 Claims. (Cl. 24—244)



1. A clamping device including a frame having upper and lower portions with alined openings for receiving the element to be clamped, and having a connecting part joining the forward ends of said upper and lower portions, the upper portion of the frame being longer than the lower portion so that said connecting part provides a surface extending at an incline to the axis of said openings, flanges on the upper and lower portions of the frame constructed and arranged to connect the frame with a wall or other structure, a roller in position to roll up and down the inclined surface, said roller being of such diameter that it extends into the space between the alined openings when at one end of the inclined surface, and means for holding the roller within the frame.

2,381,341
AIRCRAFT GUN MOUNT
Hubert F. Franklin, Baldwin, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application September 4, 1943, Serial No. 501,224
6 Claims. (Cl. 89—37.5)



1. In a gun mount having spaced front and rear trunnions adjustable in elevation: a common control shaft to adjust simultaneously and differentially the elevation of said front and rear trunnions, two independent bell-cranks fulcrumed to a fixed structure, each of said bell-cranks having an upper arm pivoted to a gun trunnion and a lower arm connected to said common control shaft.

2,381,342
MANUFACTURE OF IMPROVED HULLED RICE
Max Frank Furter, Upper Montclair, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 23, 1941, Serial No. 424,112
2 Claims. (Cl. 99—11)

1. A method of improving hulled rice which comprises vigorously stirring the rice, admixing thereto a solution of vitamin B_1 and a water-soluble, film-forming substance, and continuing the stirring until the solvent is dried by the frictional heat developed by the stirring and formation of a film on the rice grains is complete, whereby the vitamin is homogeneously distributed on the surface of the rice, and the grains are encased in a coating of the film-forming substance.

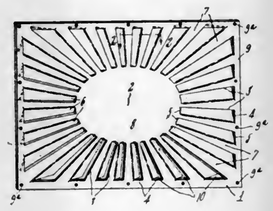
2,381,343
MANUFACTURE OF IMPROVED HULLED RICE
Max Frank Furter, Upper Montclair, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 23, 1941, Serial No. 424,113
3 Claims. (Cl. 99—11)

1. A method of improving hulled rice which comprises vigorously stirring the rice, admixing thereto a solution of vitamin B_1, continuing the stirring until the vitamin content of the solution is adsorbed on the surface of the rice and the solvent is dried by the frictional heat developed by the stirring, thereafter adding a solution of a film-forming, water-soluble substance, and continuing the stirring until formation of the film on the rice grains is complete.

2,381,344
SYNTHESIS OF HCN AND CATALYST THEREFOR
Howard Donovan Green, Pasadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1944, Serial No. 520,701
2 Claims. (Cl. 23—151)

1. A process for the manufacture of hydrocyanic acid by reacting nitric oxide with a hydrocarbon in the vapor phase which comprises passing the reacting gases through a layer of wire gauze made of a platinum-rhodium alloy and thence through a contiguous layer of a substantially non-porous, granular, refractory material.

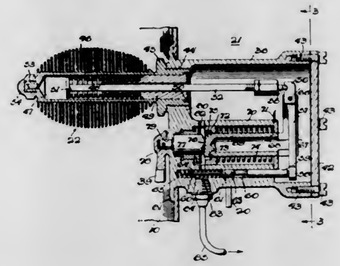
2,381,345
GRILL
Alfred L. Greenlaw, New Britain, Conn.
Application June 5, 1942, Serial No. 445,836
3 Claims. (Cl. 98—40)



1. A grill comprising a plate provided with a flat front discharge face and having a series of tongue portions struck rearwardly therefrom and defining an arcuate series of air passages separated by imperforate portions arranged around a central portion closed to the outward escape of air, all of the imperforate portions lying in the same plane and forming said front discharge face, one side face of each tongue portion forming an outer wall for an air passage, the other side face of the same tongue portion forming an inner wall for the next adjacent air passage, the inner walls being shaped to direct the air passing through said passages against the outer walls, the outer walls having an angle with respect to said discharge face of the grill not substantially greater than 50°, so that the air passing through the passages will not break away from the inner walls and forward faces of the imperforate portions but will follow the contour of the inner walls and the forward faces of said imperforate portions and be discharged substantially laterally across the discharge face of the grill.

2,381,346
REGULATOR
David Gregg, Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application December 6, 1941, Serial No. 421,979, now Patent No. 2,316,417, dated April 13, 1943. Divided and this application September 18, 1942, Serial No. 458,879
2 Claims. (Cl. 137—139)

1. A flow control device comprising a housing, a plunger within said housing, a bracket within said housing, a cylindrical casing surrounding a portion of said bracket, a piston carried on one end of said bracket within said cylindrical casing, a cam having engagement with the end surface only of said bracket, a spring within said casing bearing against said piston and urging said piston and bracket toward said cam, a flow control valve within said housing, means for urging said valve into open position, a link pivoted



to said bracket intermediately of its ends, one end of said link being in engagement with said plunger and the other end of said link being in engagement with a valve rod connected to said valve and means for adjusting said cam to translate said bracket and link to modify the control of said plunger on said valve through said link and valve rod.

2,381,347
MUSICAL GAME BOARD
Marie Gudkov, New York, N. Y.
Application November 2, 1943, Serial No. 508,727
6 Claims. (Cl. 84—478)



1. A musical game board comprising a playing board having thereon images of thirteen black and white piano keys corresponding to a musical scale, also lower symbols under the lower ends of the key images for indicating the keys to be struck for playing a scale, also upper symbols above the lower symbols on the lower portions of the white keys and white lower extensions of the black keys; and a plurality of long white strips and short black strips corresponding to the images on the board of the black and white keys, the strips being mounted on the board over the images for forming a desired scale, the white strips covering the upper symbols, the uncovered upper symbols serving to indicate sharps and flats of the formed scale.

2,381,348
LADDER CONSTRUCTION
Herman H. Gumz, Newark, N. J.
Application November 10, 1943, Serial No. 509,665
2 Claims. (Cl. 228—58)

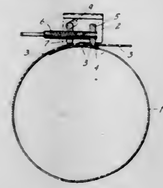
2. For use in building strong work ladders having single side members, a rung composed of a stiff steel tube having flat metal plates securely welded, one at each end of the tube, the plates extending a considerable distance in two opposite directions beyond the tube, whereby a relatively large area of the same side of the side

member may be engaged by the ends when straight, or the extending ends of each plate may be bent over or around opposite portions



of one of the single side ladder members for substantial distances, and holes in said ends for use in fastening them to their respective side member.

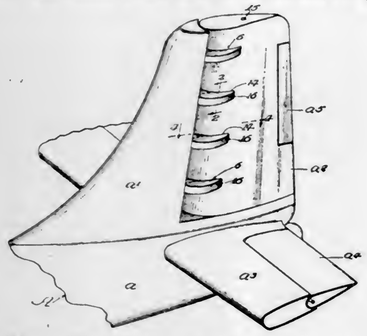
2,381,349
CLAMP
Eugene F. Hagen, St. Louis, and Herbert E. Muench, University City, Mo.
Application November 29, 1943, Serial No. 512,140
1 Claim. (Cl. 24—19)



A clamp including a strap adapted to surround an object such as a hose, laterally extending ears at one end of the strap, the other end having one or more holes therethrough and overlapping the first end, a nut pivotally mounted on and between the ears, a screw threaded in the nut, a dog swivelled on the outer end of the screw and adapted to engage in said holes, constructed and arranged whereby the nut with the screw and dog may be rotated as a whole on the pivot of the nut to engage the dog in one of said holes and tighten the strap about the object on which it may be placed, and then the strap may be further tightened by rotating the screw and thereby advancing the dog.

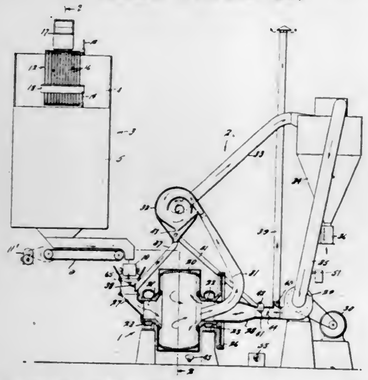
2,381,350
AIRPLANE FAIRINGS
Theodore P. Hall, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application November 8, 1944, Serial No. 562,441
5 Claims. (Cl. 244—130)

1. In an airplane having a fixed surface with rearwardly projecting hinge brackets along its trailing portion and in addition a control surface positioned behind the fixed surface, embodying notches in its leading portion for the hinge brackets and provided with pivot means between it and the rear ends of the brackets, fairings disposed adjacent the sides of the hinge brackets and adapted and arranged to fill and streamline the pressure sides of the notches when the control surface is deflected or pivoted



in either direction to substantially its fullest extent in connection with a flight maneuver.

2,381,351
METHOD AND MEANS OF FEEDING MATERIAL TO GRINDING MILLS
Harlowe Hardinge, York, Pa., assignor to Hardinge Company, Inc., York, Pa., a corporation of New York
Application April 23, 1942, Serial No. 440,220
22 Claims. (Cl. 241—24)



1. A method of operating a continuous grinding system adapted to pulverize material, where such material varies in size between substantial limits, comprising segregating the material into predetermined size ranges, recombining the segregated material in amounts regulated by the sound emanating from the system and delivering the recombined material to the grinding system.

2,381,352
SELF-LOCKING NUT
James Rowland Hotchkin, Short Hills, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey
Application January 31, 1944, Serial No. 520,480
2 Claims. (Cl. 151—14)

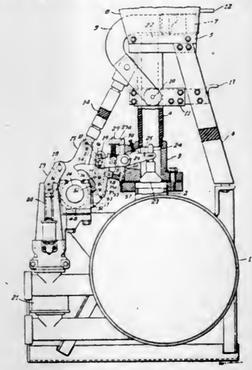


1. A self-locking nut comprising: a shell having an apertured base, petal-like formations bent to form side walls and a curved top; and means adjacent to the bottom of said shell for engaging

and following bolt threads; the end portions of said formations being rolled inwardly and radially outwardly within the shell to provide axially curved surfaces constituting the edges of an aperture in said top, said curved surfaces being adapted to resiliently engage the threads of a bolt passing through said shell.

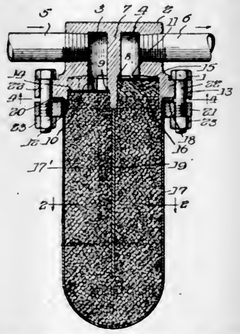
2,381,353
CIRCUIT INTERRUPTER
Erik H. Hall, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1943, Serial No. 473,823
18 Claims. (Cl. 200—148)

1. In a circuit interrupter of the gas blast type, separable contacts for establishing an arc, operating means for actuating the contacts to open and to closed circuit positions, a valve arranged to be supplied with gas under pressure, an actuating member for operating said valve to establish an arc extinguishing blast of gas, said contact operating means including a member movable in accordance with the opening and



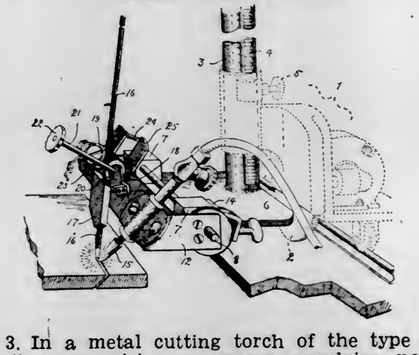
closing movements of the contacts, ratchet means interengaging said member with said actuating member to open the valve during an opening operation of the interrupter, and means rendering the ratchet means inoperable before the end of the opening operation of the interrupter.

2,381,354
DEHYDRATOR
Gustave A. Larson, Wauwatosa, Wis.
Application July 9, 1943, Serial No. 494,114
2 Claims. (Cl. 210—131)



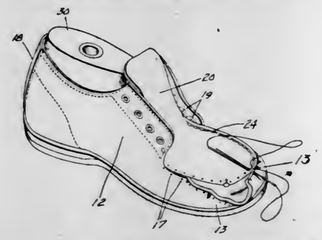
1. A dehydrator, comprising a head having a multi-ported chamber therein opening onto its normally inner side, a portion of the chamber being enlarged, a wall in the head dividing said chamber, ribs on the head in one side of the enlarged portion of the chamber, screening means in said side bearing upon the adjacent portions of said ribs and upon an adjacent side portion of said wall, filtering means in the remaining side of said enlarged portion of the chamber, said wall having a way formed in and disposed longitudinally of its inner and free marginal portion, a container connected to and communicating with the normally inner side of the head, and a baffle plate removably engaged at one end in the way in said wall and extending into said container.

2,381,355
MEANS FOR CUTTING METAL
George W. Laughton, Jr., Duluth, Minn., assignor to Marine Iron & Ship Building Company, Duluth, Minn., a corporation of Minnesota
Application August 26, 1943, Serial No. 500,140
3 Claims. (Cl. 219—15)



3. In a metal cutting torch of the type described comprising an oxygen supplying nozzle disposed at a material angle from vertical backwardly in respect to the direction of the cut being made, a carbon arc supplying electrode disposed at a considerably greater angle from vertical than said nozzle and in the lead of same, and a comparatively large hollow fixed sheath and guide for said electrode extending relatively close to the meeting point of discharge from said nozzle and said electrode whereby to insure minimum radiation of heat from said electrode.

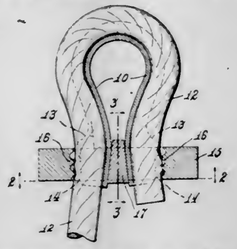
2,381,356
SHOEMAKING
Bernard F. Lee, Framingham, Mass., assignor to Jacob Sandler, Brookline, Mass.
Application February 22, 1944, Serial No. 523,406
3 Claims. (Cl. 12—142)



1. The process of shoemaking which comprises the steps of providing a composite blank including therein a sole-shaped area with contiguous side and forepart marginal portions, sewing a sole to the composite blank while both are in

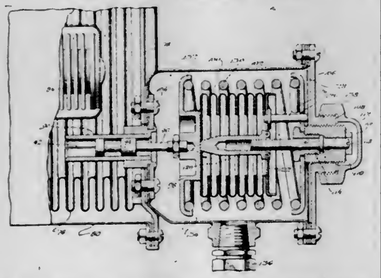
flat condition, closing the rear end of the blank, locating a plug in predetermined position on a last,, assembling the closed blank upon the plug-carrying last and stitching together the edges of the plug and the marginal portion of the composite blank.

2,381,357
CABLE THIMBLE AND CLAMP
John L. McKeown, Winnetka, Ill.
Application April 12, 1944, Serial No. 530,711
5 Claims. (Cl. 287—81)



1. The combination with a cable and thimble therefor said thimble being in the form of a loop open at its inner end and said cable being looped around the outside thereof, of means for simultaneously spreading the ends of the thimble and compressing the cable against said spread ends.

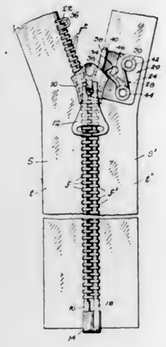
2,381,358
ALTITUDE COMPENSATOR
William A. Marshall, Jr., Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 29, 1943, Serial No. 480,974
6 Claims. (Cl. 137—153)



1. An altitude compensator comprising an evacuated bellows, a casing enclosing said bellows and in spaced relation thereto, a pipe for connecting said space with a variable source of pressure, a tube connecting said space with an adjacent space under pressure, said tube having a longitudinal slot in a wall thereof, a spool-shaped valve movable to control communication between said two spaces by way of said tube and slot, a valve stem connecting said valve with said bellows and a spring for expanding said bellows.

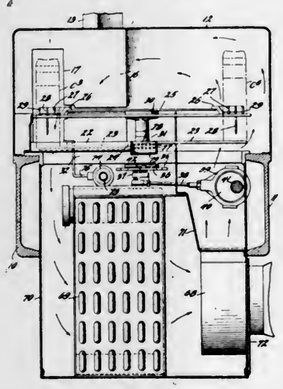
2,381,359
RELEASING END STOP SLIDE FASTENER
William Mikulas, West Brighton, Staten Island, N. Y., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application September 30, 1943, Serial No. 504,414
8 Claims. (Cl. 24—205)

1. In a slide fastener, in combination with a pair of stringer tapes having interlockable slide fastener elements and a slider movable thereon, of a slider releasing end stop comprising a pair of supporting elements fastened to opposite sides of one of the stringer tapes at the slide fastener end thereof, said elements being provided with registering apertures, and a releasing spring anchored at its opposite ends to said oppositely disposed supporting elements and provided with an intermediate portion which extends



transversely through said apertures and the tape in a position to engage the top of the slider at both sides of the tape to form the end stop therefor, said spring functioning as a normal stop for the slider and as a releasing stop movable in said apertures when a greater than normal force is exerted on the slider to force the same in a direction longitudinally of said slide fastener past the said intermediate and engaging portion of the spring.

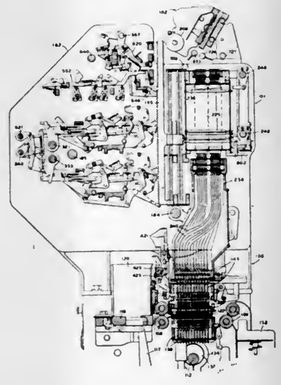
2,381,360
MECHANISM FOR COOLING FRESHLY COATED CONTAINERS
Charles Z. Monroe, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application May 4, 1943, Serial No. 485,654
6 Claims. (Cl. 34—187)



1. Apparatus for cooling freshly coated containers comprising, in combination, a cooling chamber having inlet and outlet ports, the inlet port being formed in the chamber top, a guide for guiding containers to said port, means for maintaining a relatively low temperature in

said chamber, means rotatable about a vertical axis disposed centrally of the chamber for moving containers along a circular path from the inlet port to the outlet port, said means including a support rotatable about an axis, a circular series of pushers extending radially from the support and a circular trackway underlying the path of movement of the pushers, for supporting the bottoms of containers engaged by the pushers, and means for ejecting cooled containers through said outlet port.

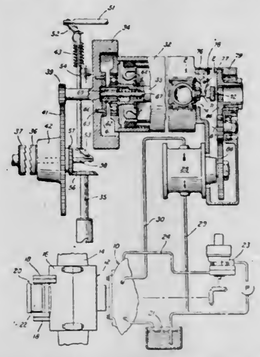
2,381,361
TABULATING AND ACCOUNTING MACHINE
John Mueller, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 1, 1940, Serial No. 316,739
14 Claims. (Cl. 235—61.9)



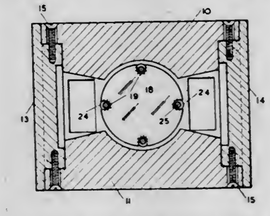
2. The combination with a totalizer, its associated actuators and type carriers, means for moving said actuators and type carriers in advance direction under control of said totalizer to position said type carriers for printing a total and for thereafter restoring said type carriers, and means to withdraw said totalizer from said actuators, of a series of pawls one for each actuator and type carrier; means for moving said pawls in the direction of advance of said actuators while out of engagement therewith and for moving said pawls in the contrary direction after such engagement; and means to move said pawls into engagement with said actuators and type carriers and to retain them in engagement each until the return movement of the associate bar has begun.

2,381,362
AIRCRAFT CONTROL
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 7, 1939, Serial No. 293,818. Divided and this application December 20, 1940, Serial No. 371,047
2 Claims. (Cl. 170—135.6)

1. In combination with an internal combustion engine driven propeller, engine starting means including a motor for imparting initial rotary movement to said propeller, means including a pump for feathering said propeller, means for coupling said motor to said pump to impart rotary movement to the latter, said coupling means including a rod passing through said motor, means for shifting said rod to pump-driving position, and means normally holding said rod in engine starting position.



2,381,363
MANUFACTURE OF FERROMAGNETIC MATERIAL
Donald Arthur Oliver, Sheffield, England, assignor to William Jessop & Sons Limited, Sheffield, England
Application September 22, 1941, Serial No. 411,936
In Great Britain September 21, 1940
4 Claims. (Cl. 148—10)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

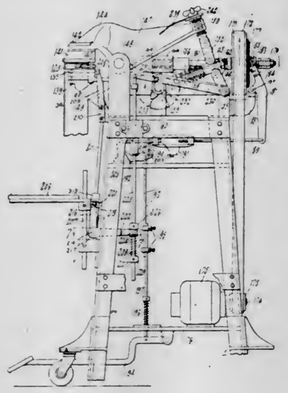


1. The method of producing anisotropic properties in ferro-magnetic material such that magnetic characteristics are enhanced in different directions in parallel planar zones, in comparison with the like characteristics in directions having a component at right angles to such planar zones, by subjecting the material during cooling from a temperature above to one below the Curie point to a magnetic field and by maintaining relative rotation between the material and the magnetic field, during cooling of the material past the Curie point, about an axis at right angles to the planar zones in which the multi-directional characteristics of augmented value are to be produced.

2,381,364
PRESSING MACHINE FOR ENDS OF BOXES AND COVERS
Walter P. Osgood, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a corporation of Massachusetts
Application June 25, 1942, Serial No. 448,366
12 Claims. (Cl. 93—36.3)

1. A box-ending machine comprising a frame, two stationary anvils supported on said frame, each said anvil being shaped to fit into an end of a box to be pressed, two presser members rock-

ably mounted on said frame, each said presser member having a head arranged for pressing engagement with a corresponding anvil, means for rocking said presser members in simultaneous alternation including a shaft, two similar machine elements secured to said shaft at relatively



opposite sides of the axis thereof, transmission mechanism between each said machine element and one of said presser members, whereby one presser member is moved toward its cooperating anvil while the other is moved away from the other anvil, and means for driving said shaft.

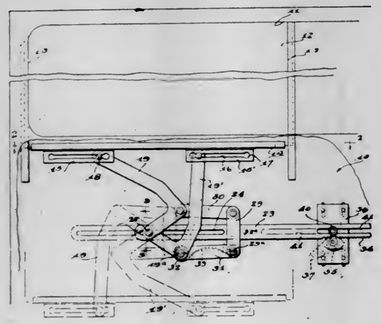
2,381,365

WINDOW REGULATOR MECHANISM

John B. Parsons, Toledo, Ohio, assignor to Malcolm W. Fraser, Toledo, Ohio, as trustee

Application January 30, 1943, Serial No. 474,108

6 Claims. (Cl. 268—126)



1. Vehicle window regulator mechanism comprising a pair of bell crank levers for sliding engagement at the free ends thereof with a window panel, a common pivot for the opposite ends of said levers, an actuating member movable rectilinearly in a plane crosswise to the plane of movement of the window panel, and an operative connection between said actuating member and said bell crank levers for imparting swinging movement to the latter in opposite directions from rectilinear movement of the former, said operative connection including an articulated connection between said actuating member and an intermediate portion of each bell crank lever.

2,381,366

ORGANO-DIHALOGENOSILOXANES

Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application October 29, 1942, Serial No. 463,812

8 Claims. (Cl. 260—607)

1. Organo-silicon compounds having the formula

$$X[SiR_2O]_nSiR_2X$$

wherein X represents a halogen atom, R represents a monovalent lower alkyl group, and n is a whole number and is equal to at least one.

2,381,367

GUIDE FOR THE TRANSMISSION OF ELECTRIC WAVES

Joshua Creer Quayle, Helsby, England, assignor to British Insulated Cables Limited, Prescot, Lancashire, England, a company of Great Britain

Application July 1, 1942, Serial No. 449,371

In Great Britain July 10, 1941

3 Claims. (Cl. 178—44)



3. A rectangular tubular wave guide consisting of two parts of flexible non-metallic material with the interior surfaces metallised, each part being in the form of a shallow trough having a flat bottom and waved ends whereby to provide added flexibility in one plane, the two troughs being joined together at their edges by joints characterized by the absence of any appreciable break in the metallised surface of the rectangular cross-section.

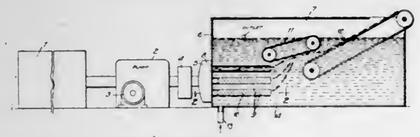
2,381,368

SOAP PREPARATION

John Ross, Ramsey, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Application August 15, 1942, Serial No. 454,909

5 Claims. (Cl. 252—367)



1. A process of treating molten anhydrous soap which comprises extruding molten anhydrous soap through a plurality of orifices into a body of an aqueous cooling liquid, maintaining the strings of soap so formed out of contact with each other for a time interval sufficient for cooling said strings below the temperatures of substantial conglomeration and of substantial oxidation in the presence of air and insufficient for substantially changing the shape of the soap and for more than partially hydrating said soap, and removing said strings from said body of liquid.

2,381,369

PROCESSES FOR SEPARATION OF ASBESTOS FIBER FROM ASSOCIATED SOLIDS

James S. Sconce, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application March 14, 1942, Serial No. 434,792

8 Claims. (Cl. 209—165)

1. The method of recovering and conditioning for re-use asbestos fiber that has been used in the composition of a diaphragm overlying the foraminous cathode of an electrolytic cell producing chlorine and caustic alkali, where it has been in contact with caustic alkali and brine and become swollen by the gelatinizing action thereof and the diaphragm has accumulated a deposit, including carbonaceous and calcareous matter filtered or precipitated out of the electrolyte, which comprises agitating the mass with 20 to 100 times its weight of water to detach the fibers from each other and from the particles of foreign matter and cause minute air bubbles to attach themselves selectively to the individual swollen fibers; diluting the mass still further until it is in presence of not less than 2,000 times its weight of water; allowing the diluted mass to segregate; and recovering the fibers from the upper part of the resulting suspension.

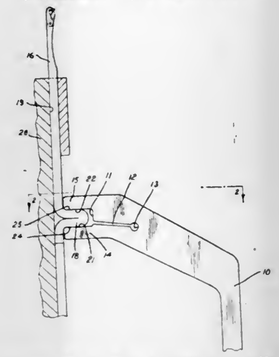
2,381,370

PART FOR KNITTING MACHINES

De Hart G. Scrantom, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 25, 1943, Serial No. 499,878

7 Claims. (Cl. 66—116)



1. A knitting jack for holding a nib of a knitting needle, which comprises an arm having an orthogonal notch formed in one end thereof to form a pair of jaws having straight gripping surfaces for gripping a straight surfaced nib of a knitting needle, and also being provided with an elongated slot connecting with the notch to give the jaws sufficient resilience to firmly grip the nib.

2,381,371

REACTION OF ACETONE WITH UNSATURATED COMPOUNDS

Olyn Wayne Shannon, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 3, 1943, Serial No. 485,492

4 Claims. (Cl. 260—464)

1. A method for preparing methyl-γ-cyanopropyl ketone which comprises reacting acetone with acrylonitrile, in substantially equimolecular proportions, in the presence of an alkaline condensing agent at a temperature within the range 0 to 100° C.

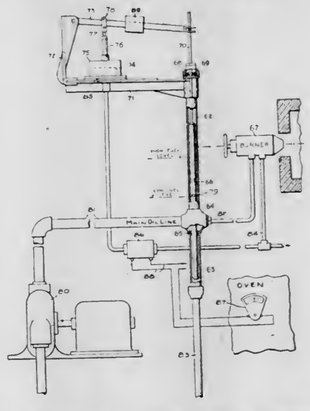
2,381,372

LIQUID FUEL FEED CONTROL

Thomas J. Stephens, New York, N. Y.

Original application August 3, 1940, Serial No. 350,927. Divided and this application April 24, 1943, Serial No. 484,390

2 Claims. (Cl. 236—8)



2. In a heat generating and consuming apparatus the combination of a combustion chamber, a stationary aspirating nozzle disposed to deliver atomized liquid fuel into said chamber, means for passing through said nozzle an aspirating agent maintained at uniform pressure, a rise pipe disposed between said nozzle and a source of fuel supply and in communication therewith, means for supplying fuel under pressure to said pipe and an overflow mechanism arranged for cooperation with said pipe to maintain the fuel level in the latter below that of the nozzle and including means for automatically varying the overflow level and thus varying the level of the fuel in said pipe in response to the varying demand upon the combustion chamber for heat.

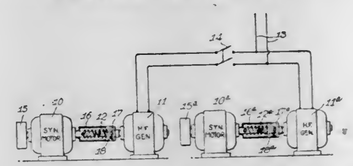
2,381,373

SYNCHRONOUS MOTOR GENERATOR CONNECTION

Harold A. Strickland, Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 12, 1942, Serial No. 446,693

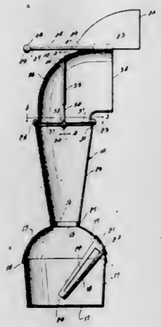
7 Claims. (Cl. 171—119)



1. In a combination including a pair of synchronous generators, a motor driving each generator at the same speed as the other generator, means for connecting said generators in parallel, and means to limit the load assumed by one generator and its motor in excess of the load on the other generator and motor when it is not in exact

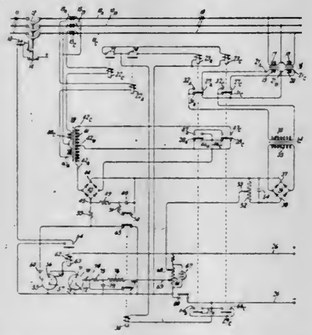
synchronism before being connected, said excess load limiting means including a spring in a driving connection between at least one of the generators and its motor, said spring being preloaded to the full load value of the generator to which it is connected.

2,381,374
COWL FOR OIL BURNING SMOKE SCREEN DEVICES
John Tweeddale, Torrance, Calif., assignor to The Secretary of War of the United States of America, as trustee
Application January 30, 1941, Serial No. 376,711
2 Claims. (Cl. 98—68)



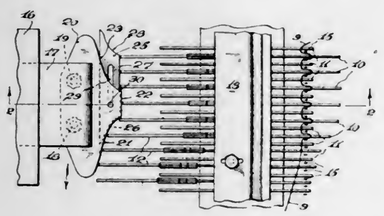
2. For use with an oil burning smoke screen device of the character embodying a pot type burner having a downdraft air inlet, and a vertical stack associated therewith; a cowl assembly comprising an annulus having a downwardly opening groove adapted to receive the upper edge of the stack wall, an elbow shaped cowl, and supporting means rising from the annulus and upon which the cowl is mounted for rotation, the lower end of the vertical arm of the cowl and said annulus being concentrically disposed relative to one another so as to form a closed joint between said stack and said cowl which permits the rotation of said cowl.

2,381,375
PROTECTIVE APPARATUS
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application December 9, 1942, Serial No. 468,384
12 Claims. (Cl. 175—294)



1. In a protective system for protecting a polyphase alternating current circuit against line-to-line faults thereon comprising means for obtaining a predetermined alternating current quantity from said circuit dependent upon the particular line conductors involved in the fault, means for obtaining a predetermined alternating voltage quantity from said circuit dependent upon the particular line conductors involved in the fault, means for rectifying said alternating current quantity, means for rectifying said alternating voltage quantity, a capacitor, means responsive to a line-to-line fault on said circuit for charging said capacitor at a rate dependent upon the rectified alternating current quantity, and electro-responsive means responsive to the charge on said capacitor reaching a predetermined value relative to the magnitude of said rectified alternating voltage quantity.

2,381,376
SLUR CAM FOR KNITTING MACHINES
Frank G. Weisbecker, Glenside, Pa.
Application January 19, 1945, Serial No. 573,586
6 Claims. (Cl. 66—110)

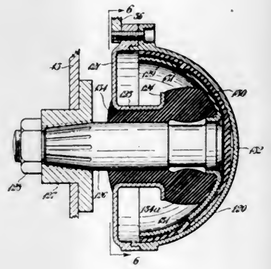


1. In a straight bar knitting machine embodying sinkers and cooperating needles: a slur cam having a nose portion for imparting forward motion to said sinkers into yarn sinking position between said needles; and means slidably mounted on said cam and adapted to extend rearwardly thereof in a trailing position, in either direction of movement of the cam, and presenting a straight working face slightly set back from and parallel to the outermost working face of the nose of the cam to permit limited return of the sinkers with inward movement of the cooperating needles during yarn-sinking of a reinforcing course.

2,381,377
MINERAL OIL
Henry S. Angel, Everett W. Fuller, and Henry G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 13, 1943, Serial No. 494,504
21 Claims. (Cl. 252—46.6)

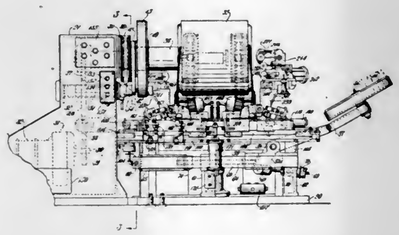
1. A mineral oil composition normally susceptible to the formation of haze therein, comprising a viscous mineral oil fraction containing a minor proportion, sufficient to stabilize said oil fraction against the deleterious effects of oxidation, of a phosphorus- and sulfur-containing reaction product obtained by reaction of a phosphorus sulfide and a material selected from the group consisting of a dicyclic terpene and an essential oil predominantly comprised of a dicyclic terpene, and having in combination therewith a minor proportion, sufficient to suppress the formation of haze therein, of a compound selected from the group consisting of an alcohol and a long-chain acid having at least about 12 carbon atoms.

2,381,378
FRICTION RETARDING MECHANISM FOR VEHICLE SUSPENSION
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 24, 1938, Serial No. 236,693
11 Claims. (Cl. 188—130)



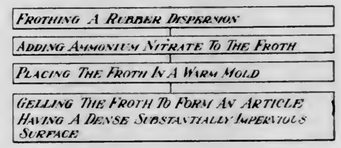
11. In a device for frictionally resisting relative movement between two members, the combination of a spindle fixed to one of said members, a housing comprising a hollow shell and annular inclosure means therefor secured to the other of said members, said spindle extending into said housing through an axial opening in the enclosure means thereof, a layer of friction material mounted on a support which in turn is mounted on the free end of said spindle, said friction material facing the inside surface of said shell and being mounted concentric therewith, and yielding means yieldable in all directions urging said friction material toward said inside surface of said shell, whereby strong frictional engagement of the friction material and the shell is provided.

2,381,379
TIRE BUILDING APPARATUS
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 17, 1940, Serial No. 345,974
5 Claims. (Cl. 154—10)



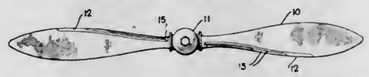
2. Tire building apparatus comprising a rotatable drum and means for rotating the same, a tread stitching device movable radially of the drum, ply turn-down devices operable in unison upon a tire structure on the drum at the ends thereof, power means connected to the stitching device for projecting the stitching device toward the drum and retracting it therefrom, and means operated by the stitching device as it is retracted from the drum for initiating a cycle of operation of the ply turn-down devices.

2,381,380
MANUFACTURE OF SPONGE RUBBER
Mitchell Carter, Trenton, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 19, 1940, Serial No. 370,791
6 Claims. (Cl. 18—53)



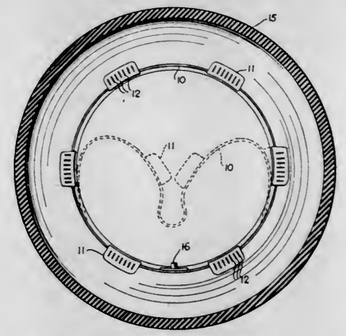
5. A method of forming small simply contoured molded cellular rubber articles from latex, comprising the steps of compounding latex with vulcanizing ingredients of a type and in an amount which prevent its vulcanization from starting below about 99° C., frothing the latex, positioning the frothed latex in a mold heated to a temperature of 85–99° C. to gel the latex, removing the gel from the mold, and vulcanizing the gel.

2,381,381
AIRPLANE PROPELLER DEICER SHOE
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 11, 1941, Serial No. 397,650
3 Claims. (Cl. 244—134)



3. A deicer shoe comprising an elongated, thin rubber body having a longitudinally extending groove formed in its outer surface, which groove is positioned along the center line of said body and has side walls that converge toward their outer edges.

2,381,382
BEAD LOCK
James E. Hale, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 22, 1941, Serial No. 407,880
8 Claims. (Cl. 152—400)



1. In a bead lock for tire and rim assemblies, the combination of a plurality of longitudinally arcuate spreader units adapted to be assembled about the perimeter of a tire rim between inextensible beads of a tire thereon, and an endless, inextensible, metal ring for encircling the tire

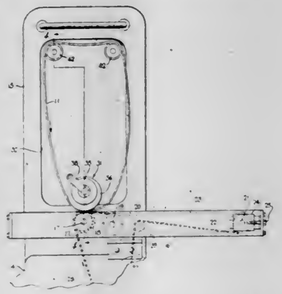
rim and to which said spreader units are fixedly secured, the endless ring being deformable to the extent that it may be collapsed within a smaller compass to be inserted within the inextensible beads of a pneumatic tire, and then restored to its original ring shape, with the spreader units extending between said beads of the tire.

2,381,383

METHOD OF PROOFING TUBES

George E. Steinel, Barberton, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 23, 1941, Serial No. 408,127
2 Claims. (Cl. 154—15)



1. The method of making inner tubes which comprises placing a determinate quantity of viscous proofing composition within a length of unvulcanized rubber tubing, joining the ends of the tube by splicing to produce an endless tube having a closed internal chamber in which the proofing composition is contained, evenly distributing the proofing composition over the interior of the tube, mounting a valve stem in the tube, and thereafter vulcanizing the rubber of the tube.

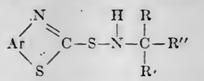
2,381,384

VULCANIZATION ACCELERATOR

Edward L. Carr, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application September 20, 1941, Serial No. 411,719
8 Claims. (Cl. 260—788)

4. The method of vulcanizing rubber which comprises heating rubber and a vulcanizing agent in the presence of a compound having the formula



wherein Ar is an orthoarylene radical, R and R′ are selected from the group consisting of hydrogen, alkyl radicals and hydroxyalkyl radicals, and R″ is an hydroxyalkyl radical.

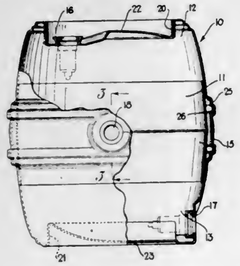
2,381,385

METHOD OF CONSTRUCTING CONTAINERS

Max O. Kuhn, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 27, 1942, Serial No. 432,673
3 Claims. (Cl. 113—120)

1. A method of constructing a single wall container which comprises forming a pair of cup shaped end sections of substantial length, a cylindrical center section by shaping a strip of metal into a cylindrical ring by abutting and welding the ends thereof, forming a girth band by shaping a strip of metal into a cylindrical ring by abutting and welding the ends thereof, die expanding said ring into approximately its final form, cold rolling said ring to finished shape, die expanding said ring in its finished shape to its finished diameter, forming a transversely split reinforcing ring with offset end portions adapted to receive bowed connector plates, welding a bung support ring to said split ring with the said bung ring extending radially inwardly from the bung ring, contracting by collapsing said reinforcing ring and inserting and positioning it within the girth band, locking said ring in such position by said connector plate, expanding the said reinforcing band into pressure engagement with the girth band by removing the bow in said plate by the application of pressure to said bow, stitch welding the



girth band to the said reinforcing ring in the area adjacent said bung support ring, applying the above assembly of girth band and reinforcing ring over said center section, expanding the central portion of said center section into said girth band with marginal areas of the center section extending beyond and snugly engaging the marginal areas of the girth band, bonding the marginal edges of said girth band and said center section together by electric seam welding throughout said marginal edges, trimming off by grinding said marginal portions through said seam welding, forming a bung aperture by punching out the areas within said bung supporting ring, inserting a bung insert in said bung aperture and sealing said insert to said girth band center section, abutting the edges of said open end sections flush against the edges of the said girth band and joining by automically welding the said sections thereto to complete the container.

2,381,386

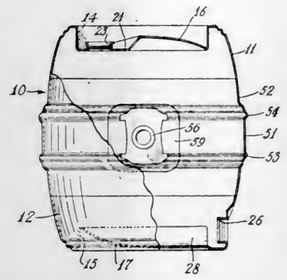
METHOD OF MAKING CONTAINERS

Max O. Kuhn, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application October 4, 1940, Serial No. 359,673, now Patent No. 2,354,425, dated July 25, 1944. Divided and this application May 9, 1942, Serial No. 442,376
4 Claims. (Cl. 113—120)

1. That method of manufacturing a single walled metallic container comprising forming end sections and a medial section for the container, rolling an annular band into the medial container section, forming a bung aperture in said medial section, cutting a segment from the annular band, forming a reinforcing plate of the same size and contour as said segment and adapted to fit against the inner surface thereof, forming a bung aperture in said plate, aligning

the edges of said reinforcing plate and segment and forming a bung at said bung apertures to make a bung unit, positioning the bung unit in the hole formed in said annular band with the



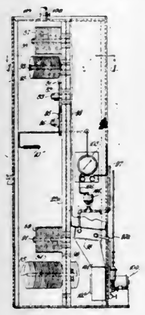
inner surfaces of the bung unit and annular band being flush, and welding the bung unit to the medial container section and thereafter welding the end sections of the container thereto to complete the container.

2,381,387

OVEN FOR MANUFACTURING CONTINUOUS RUBBER ARTICLES

Sterling W. Alderfer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application August 26, 1938, Serial No. 226,954. Divided and this application May 21, 1942, Serial No. 443,913
3 Claims. (Cl. 34—48)



1. Apparatus for drying continuous strip material comprising a drying oven having a frame and inclosing walls, a plurality of sets of pulleys journaled in said frame and comprising a pair of outer sets and at least one pair of inner sets, the outer sets of said pulleys having larger diameters than the inner sets, two sets of said pulleys being slightly out of alignment with a majority of the remaining sets, an endless belt passing through said drying oven, said belt being looped around said outer sets of pulleys to form an outer set of convolutions embracing an inner set of convolutions of the belt looped around said inner sets of pulleys in the oven, means dividing the oven into two compartments intermediate the ends thereof, means for repeatedly circulating a volume of air through the oven compartments, heating means for the circulated air, and automatic control means for said heating means for maintaining a sufficiently high temperature in the oven to dry strip material carried through the oven upon said endless belt.

2,381,388

COMPOSITION OF MATTER

William E. Tann, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application September 10, 1942, Serial No. 457,878
3 Claims. (Cl. 260—32)

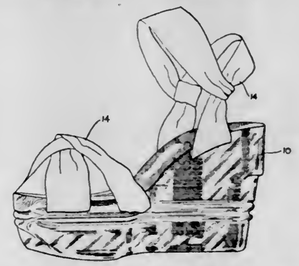
1. A cement comprising butyl formate, and a synthetic rubber-like material made by interpolymerizing a mixture including butadiene and acrylonitrile.

2,381,389

PLASTIC SHOE

Mabel P. Riesing, Pontiac, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 25, 1943, Serial No. 477,165
2 Claims. (Cl. 36—25)



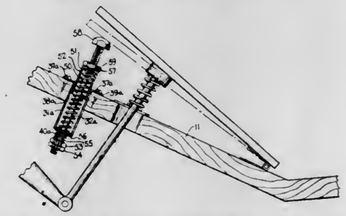
1. A shoe comprising a molded foot supporting structure having a reversely curved foot-conforming top face and a substantially flat ground-engaging bottom face, said structure consisting of a bottom section, and an upper section superposed thereon and permanently attached thereto, the juncture of said sections lying in a plane that is substantially parallel to the flat bottom face of the structure.

2,381,390

AUTOMOBILE SPEED WARNING DEVICE

Louis Joseph Vanke, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

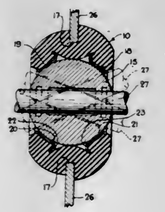
Application April 5, 1943, Serial No. 481,939
3 Claims. (Cl. 74—526)



1. In a device of the class described an accelerator pedal with a ball and socket joint bearing formed of rubber and as an integral part of said pedal, a rod actuated by said pedal and terminating at one end in a ball, said ball being adapted to cooperate with said bearing to joint said rod and pedal by a ball and socket, a spring continuously associated with said pedal, said spring being adapted to be compressed when the pedal is pressed downwardly and to move the pedal upwardly when downward pressure on the pedal is removed, an additional spring normally

disconnected from said pedal but adapted to come into indirect association with the pedal when the pedal reaches a predetermined point in its downward travel, said additional spring being a coil spring and retained in position in a housing mounted in a hole through the floor board of an automobile in which the present device is mounted, said housing consisting of lower and upper hollow cylindrical members, each of said cylinders having one open and one closed end, the closed ends having a center hole formed therethrough, the said lower member terminating at its open end in outwardly turned flanges adapted to seat against the top surface of said floor board and to be fastened thereto, said upper member being associated with the lower member in slidable telescoping relation and being retained in such association by means of a rod extending longitudinally through said housing and said central holes, said rod having a pedal contact head portion on the rod projecting through the central hole of said upper member, said head being below and spaced apart from said pedal, said rod extending longitudinally through said coil spring within said housing, the projecting ends of said rod being threaded and having nuts threaded whereby the spacing of said head from the pedal may be adjusted, as can the compression on the said coil spring, a cushioning spring mounted on said projecting end of said rod, said cushioning spring being interposed between said housing and said nuts.

2,381,391
AVIATION CONTROL GUIDE
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 14, 1943, Serial No. 487,054
2 Claims. (Cl. 308—72)

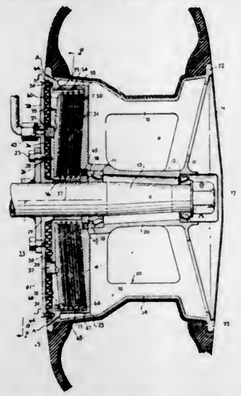


1. In a bushing assembly of the class described, the combination of an outer member composed of an oil resisting synthetic elastomer; an inner ball member composed of porous bronze; and a pair of cooperating metallic bearings intermediate said outer and inner members; said outer member having attachment means formed in its outer edge whereby said outer member is adapted to be mounted in a wall of an airplane which separates differential fluid pressures, said bearings being in the form of annular bands having hook-like portions adapted to hook into recesses formed in the inner wall of said outer member, said bearings having a concave surface corresponding to the surface of said ball, said ball having a central bore therethrough, said inner member being adapted to receive in close slidable relation a control rod projected through said central bore, said inner member being capable of rotating on said bearings through an angle of approximately 25° from mid-position while said outer member remains stationary.

2,381,392
VULCANIZATION ACCELERATOR
George E. P. Smith, Jr., and Edward L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, a corporation of Ohio
No Drawing. Application May 26, 1943, Serial No. 488.556
21 Claims. (Cl. 260—793)

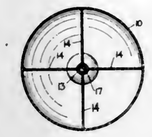
10. The process of vulcanizing rubber which comprises heating rubber and sulfur in the presence of a thiocarbamyl primary amino sulfide.

2,381,393
BRAKE
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 29, 1943, Serial No. 488,965
3 Claims. (Cl. 188—18)



1. A wheel and brake assembly having in combination, a fixed axle, a drum-like wheel rotatable thereon, said wheel being provided with a chamber opening laterally thereof, two sets of annular frusto-conical plates disposed in alternation within the chamber, one of said sets having outer plate margins in splined engagement with the wall of the chamber, the other set having inner margins in splined engagement with the axle, a closure plate for said chamber fixed to the axle and having an outer margin engaging the wheel in sealing relation therewith while allowing relative rotation therebetween, said plate having marginal flanges inwardly turned for disposition within the chamber, a fluid responsive device within the chamber and mounted on said closure plate, said device comprising a pair of concentrically disposed annular diaphragms and an intervening pressure ring, means maintaining said diaphragms in fluid sealing relation to said ring and to said pressure plate, said plate provided with a fluid inlet leading to the space between the diaphragms and closure plate, a plurality of retainer plates disposed in circumferential series and having inner and outer margins pivotally engaging the pressure ring and one of the closure plate flanges respectively, a pressure distributing member having one side contacting the outermost plate of said sets and provided at the opposite side with a depression for engagement of a lateral portion of said pressure ring, spring means for maintaining the sets of plates normally disengaged, the plates of one set being adapted to frictionally engage the plates of the other set against the urge of said spring upon application of fluid pressure through said inlet to said diaphragms and pressure rings.

2,381,394
MOORING BUOY
Howard P. Beach, Jr., Washington, D. C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 5, 1943, Serial No. 489,846
2 Claims. (Cl. 9—8)



1. A mooring buoy comprising a hollow bulbous body of resilient material adapted to float on a vertical axis, a tubular stay formed integral with said body, interiorly thereof, and radial partitions within the buoyant body formed integral with the walls of the body and the tubular stay dividing the interior of the body into a plurality of non-communicating compartments.

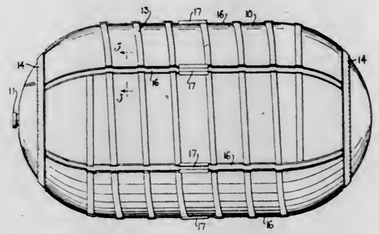
2,381,395
VULCANIZING MOLD
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 8, 1943, Serial No. 493,931
10 Claims. (Cl. 18—34)



3. A mold of the character described comprising a bed plate, an outer circumferential series of arcuate mold segments supported thereon and arranged about a vertical axis, an inner circumferential series of arcuate mold segments supported on said bed plate and arranged about the aforesaid vertical axis, the two series being in the same plane in the operative condition of the mold, said inner series comprising a plurality of key segments and a plurality of intermediate segments, respective screw elements to which said segments are swivelled adapted to move said segments in a radial direction to and from work-engaging position, bearing members for said screw elements, and means for positioning the bearing members of the key segments at an elevated position whereby the key segments may be positioned above the plane of the other segments.

7. A mold of the character described comprising two concentric series of arcuate mold segments, means for moving the segments of each series radially, from and toward the other series, to open and close the mold, the confronting arcuate faces of the opposed segments being formed with molding cavities adapted to receive and shape an annular article positioned there-between, and a ring-shaped structure positionable interiorly of the mold between the two series of segments and in operative engagement with the segments of each series to divide the molding cavity of the mold into two parallel separate annular molding portions, parts of said ring structure constituting molding surfaces for shaping portions of said article.

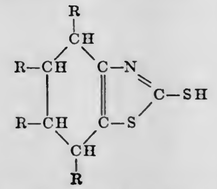
2,381,396
REINFORCED CONTAINER
Max O. Kuhn, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 22, 1943, Serial No. 515,313
3 Claims. (Cl. 220—3)



1. In a container for fluid under pressure, the combination of a hollow metal shell of general cylindrical shape having dome-like hemi-spherical ends, and metal straps secured to the outside of the shell and extending circumferentially and longitudinally of the shell so as to divide the surface thereof into relatively small areas wherein shattering is localized in case of rupture of the container wall, said straps being welded to the container shell solely along the longitudinal centerlines of the straps and spaced from the lateral margins thereof, the straps extending in one direction at least having their marginal portions folded outwardly and over the body portion with the respective edges of each strap in confronting relation, to prevent tearing of the container wall along the margins of said folded straps.

2,381,397
VULCANIZATION OF RUBBER
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application April 10, 1944, Serial No. 530,391
6 Claims. (Cl. 260—785)

6. A vulcanized rubber product prepared by heating a rubber and sulfur in the presence of a 2-mercapto-tetrahydrobenzothiazole of the formula

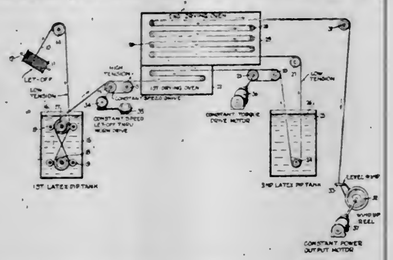


wherein R is a member of the group consisting of hydrogen, alkyl radicals and alkoxy radicals.

2,381,398
APPARATUS FOR PROCESSING CORD
George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 4, 1944, Serial No. 534,127
4 Claims. (Cl. 28—59.5)

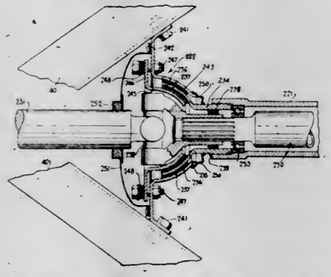
1. In apparatus for uniformly stretching rubber-reinforcing cord, means driven by a constant speed motor for propelling the cord, means driven

by a constant torque motor for thereafter applying a predetermined stretching tension to the cord, a third means driven by a motor having a constant power output for winding up the cord,



said constant speed motor driving said first-named means through a non-reversible worm gear, whereby the cord is propelled at a constant rate which is independent of the thereafter applied predetermined tension.

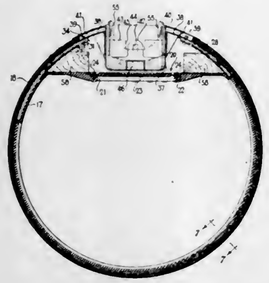
2,381,399
TORQUE TUBE SUPPORT
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application October 24, 1938, Serial No. 236,693. Divided and this application July 3, 1944, Serial No. 543,227
3 Claims. (Cl. 180—85)



1. In a vehicle suspension, the combination of a frame of a vehicle, an axle including a torque tube, a propeller shaft within said torque tube, said shaft being supported at its front end by a bearing interposed between said torque tube and shaft, and a friction device operatively interposed between the frame and the torque tube and frictionally resisting relative movements between said frame and torque tube in all directions.

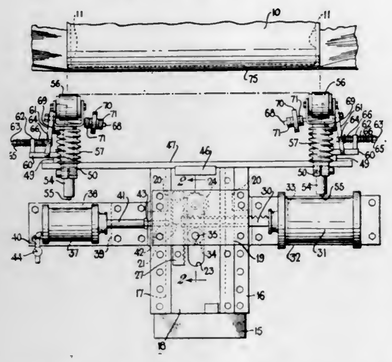
2,381,400
FUEL TANK
Frederick W. Stavely, Kenneth L. Edgar, and Samuel W. Hoffmann, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 20, 1944, Serial No. 545,834
4 Claims. (Cl. 244—135)

1. A fuel tank of the character described comprising a fuel cell or lining of resilient composition, a shell or casing of rigid non-metallic composition substantially enclosing the same, a rigid plywood canopy of generally elliptical shape interposed between the cell and casing locally at the top of the tank, a portion of said canopy being exposed through an opening in the casing, plywood hoops encircling the cell between the latter and the casing, the ends of the hoops being



secured to the canopy at the perimeter thereof, and means attached to the canopy for suspending the tank from a supporting structure.

2,381,401
TIRE BUILDING APPARATUS (PLY TURNDOWN)
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 7, 1944, Serial No. 557,691
1 Claim. (Cl. 154—10)

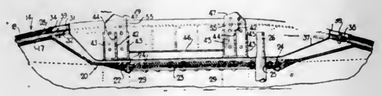


In tire building apparatus of the character described, the combination of fabric-stitching tools for operating upon the fabric tire plies on a rotatable tire building drum, a slide reciprocable radially of said drum and supporting said tools, rack and gear means for reciprocating said slide, a fluid pressure operated cylinder operatively connected to said rack for actuating the same, and a second fluid pressure cylinder of smaller capacity than the first mentioned cylinder and mounted in axial alignment therewith, said second cylinder having its piston rod normally in projected position and adapted to engage and oppose the movement of the said rack during slide-raising movement of the latter.

2,381,402
DROPPABLE FUEL TANK
Frank A. Weber and Harry H. Gregg, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 20, 1944, Serial No. 559,526
4 Claims. (Cl. 244—135)

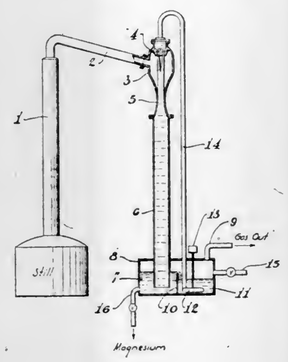
1. A fuel tank of the character described comprising a fuel cell or lining of resilient composi-

tion having a flat region at the top thereof, a shell or casing of rigid non-metallic composition substantially enclosing the same, a plywood canopy interposed between the cell and casing, locally at the top of the tank and arched over the flat region of the cell, a portion of said canopy being exposed through an opening in the casing,



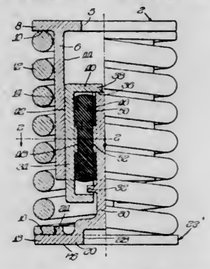
there being an opening in the canopy above the flat region of the cell, and a metal structure received in the opening of said canopy and removably secured thereto in the marginal region about said opening, said metal structure comprising means for suspending the tank from a supporting structure.

2,381,403
RECOVERY OF MAGNESIUM FROM VAPOR MIXTURES
Douglas S. Chisholm, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 29, 1942, Serial No. 428,754
6 Claims. (Cl. 75—67)



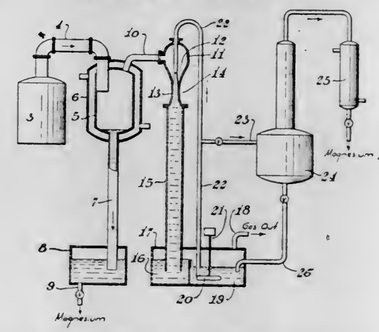
2. In a method of recovering magnesium from a vapor mixture thereof with a non-condensable gas, the steps which comprise: admitting the vapor mixture to a closely confined zone maintained at sub-atmospheric pressure, said zone having an outlet of restricted cross-sectional area, and projecting through the zone and into the outlet thereof at least one jet of molten magnesium, the rate of flow of the metal jet being sufficiently high that substantially all the cross-sectional area of the outlet is filled by the effluent magnesium, and that the magnesium-containing vapor becomes entrapped in the molten magnesium and exhausted from the zone at a rate sufficient to maintain the zone at the desired sub-atmospheric pressure, the magnesium vapor being simultaneously condensed through contact with the liquid magnesium; thereafter in a second zone separating the entrapped non-condensable gas from the effluent liquid magnesium; and recovering the gas-free magnesium.

2,381,404
FRICTION ABSORBING DEVICE
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 21, 1941, Serial No. 379,941
17 Claims. (Cl. 267—9)



1. In a snubber, spaced followers, a release spring therebetween, a housing integral with one of said followers extending within said spring with a cylindrical friction surface on the inner wall thereof, a carrier integrally formed with the other of said followers and supporting friction shoes in engagement with said surface, each of said shoes comprising a recess, resilient means under compression between said carrier and each of said shoes within the associated recess, said carrier and said shoes being rotatable with respect to said housing to permit said shoes to engage all portions of said friction surface, and engaging means on said shoes and said carrier to prevent relative vertical movement thereof, said engaging means being entirely disposed within said recesses.

2,381,405
RECOVERY OF MAGNESIUM
Thomas Griswold, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 28, 1942, Serial No. 428,456
10 Claims. (Cl. 75—67)



1. In a method of recovering magnesium from a vapor mixture thereof with a non-condensable gas, the steps which comprise: admitting the vapor mixture into a confined zone, directing therethrough a rapidly moving continuous stream of a liquid condensing medium chemically inert to magnesium and supplied at a condensing temperature for magnesium vapor, the velocity of the stream being sufficiently high that substantially all the vapor mixture becomes entrapped therein and is exhausted from the zone together therewith, the magnesium vapor being simultaneously condensed; thereafter in the second zone sepa-

rating the entrapped non-condensable gas from the liquid medium and the condensed magnesium; and recovering the condensed magnesium.

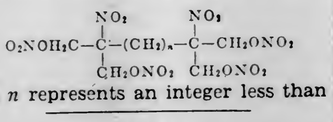
2,381,406

ALIPHATIC DINITRO TETRANITRATES

Henry B. Hass, West La Fayette, Ind., and Wilbur R. McElroy, Beacon, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application July 29, 1944, Serial No. 547,285
4 Claims. (Cl. 260—467)

1. Aliphatic dinitro tetranitrates of the formula:



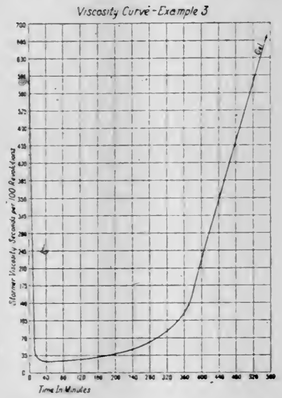
in which n represents an integer less than 5.

2,381,407

PROTEIN COMPOSITION OF MATTER AND METHOD OF MAKING

Arthur A. Levinson, Chicago, Percy L. Julian, Maywood, and Andrew G. Engstrom, Itasca, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

Application July 31, 1940, Serial No. 348,780
9 Claims. (Cl. 260—112)



1. A water soluble composition of matter consisting essentially of an enzyme hydrolyzed alkali metal globulinate in dry form.

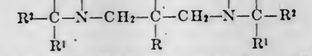
2,381,408

NITRO AMINES AND PROCESS FOR PREPARING SAME

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application April 12, 1943, Serial No. 482,756
10 Claims. (Cl. 260—570)

1. Nitro amines having the formula:



in which R is a member selected from the group consisting of halogen, aryl, and alkyl; R^1 is a member selected from the group consisting of hydrogen, hydroxymethyl and alkyl; and R^2 is a member selected from the group consisting of aryl, hydrogen, aralkyl, alkyl, tetrahydrofuryl, and hydroxymethyl.

2,381,409

RECOVERY OF ISOPRENE FROM HYDROCARBON MIXTURES COMPRISING SAME AND PIPERYLENE

Stephen C. Stowe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 4, 1942, Serial No. 467,899
1 Claim. (Cl. 260—681.5)

In a method for separating isoprene from a hydrocarbon mixture comprising isoprene and piperlylene, the steps of treating the mixture in liquid phase with sulphur dioxide to form sulphones of the isoprene and piperlyene, vaporizing unreacted hydrocarbons and sulphur dioxide from the sulphones, heating the mixture of sulphones to a decomposition temperature between 70° and 120° C., whereby the sulphones are gradually decomposed with evolution of a vapor mixture of sulphur dioxide, piperylene and isoprene, continuing heating at temperatures between 70° and 120° C., until the vapors being evolved are substantially free of piperylene and a substantial portion of the sulphone of isoprene remains, freeing the evolved mixture of sulphur dioxide, distilling the resultant mixture of piperylene and isoprene which remains after removal of the sulphur dioxide to obtain a fraction of distillate containing the major portion of the isoprene in relatively concentrated form together with some piperylene, recycling this fraction through the foregoing steps for the formation of the sulphones and for the decomposition of the sulphone of piperylene to leave, as a residue from the latter reaction, a large part of the sulphone of isoprene in purified form, heating the purified sulphone of isoprene to decompose the same and form a mixture of sulphur dioxide and isoprene, and separating the sulphur dioxide and isoprene to recover the latter as the purified compound.

2,381,410

MANUFACTURE OF HYDROXYLAMINE HYDROCHLORIDE AND CARBOXYLIC ACIDS

Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application June 25, 1942, Serial No. 448,442
4 Claims. (Cl. 23—87)

1. In a process for the production of hydroxylammonium chloride and carboxylic acids from primary nitro hydrocarbons, the step which comprises refluxing a primary nitro hydrocarbon and constant boiling hydrochloric acid, in the presence of an initially-added carboxylic acid at atmospheric pressure, said carboxylic acid being employed in an amount sufficient to produce a homogeneous mixture with said hydrochloric acid and nitro hydrocarbon.

2,381,411

PROTECTING SEEDS AND PLANTS FROM PESTS

John P. Remensnyder, Metuchen, N. J., assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 11, 1940, Serial No. 323,383
2 Claims. (Cl. 167—38)

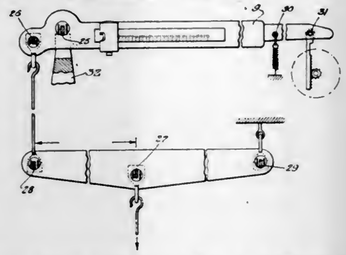
1. A method of protecting seeds from birds and other animal pests without substantially affecting the germination characteristics of said seeds, which comprises applying to said seeds a pest-repellent dust composition composed essentially of a preponderant proportion of a finely divided absorbent earth and a pest-repellent wood-tar oil.

2,381,412

LEVER

Harry M. Roeser, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois

Application April 8, 1944, Serial No. 530,217
3 Claims. (Cl. 308—2)



1. An adjustable pivot for a lever or the like comprising in combination a knife edge body, a locking member having a periphery of circular section and an opening therein of a shape to receive and engage the knife edge body, said opening having its longitudinal axis parallel with that at its periphery, means for expanding the said periphery and contracting said opening, a lever having an opening therein of a size and shape to receive said locking member in its unexpanded condition, said locking member being located in the openings in said lever and expanded therein.

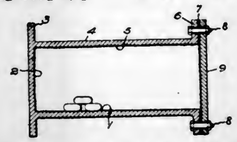
2,381,413

PROCESS FOR MAKING GRINDING SURFACES FOR CHARGE CONTAINERS

Hans Hermann Wolff, Stockholm, Sweden, assignor to Aktiebolaget Hammarbylampan, Stockholm, Sweden, a company of Sweden

Application July 29, 1941, Serial No. 404,543
In Sweden August 13, 1940
2 Claims. (Cl. 241—30)

1. That process of making a hard lining for the internal surface of a charge container of a mill for thereafter grinding hard material that may be used in carrying out a sintering or like method, which process of making the lining comprises the following steps; providing for the mill a grinding wall of copper which is essentially softer than said hard material; placing in the container provided with such wall a sufficient quantity of the said hard material for the making of preparatory grindings; then making such preparatory grindings in the presence of usual grinding bodies as employed in ball-mill grinding operations, and thereby reducing such hard material of said preparatory grindings into fine particles and mechanically pressing them by said preparatory grindings into the substance of said copper wall, so as to cause such fine particles to penetrate and adhere thereto, and thus provide for said copper wall a protecting jacket of one or more layers of finely divided hard material rigidly attached to the said internal copper wall of the mill container, whereby a grinding surface is provided for the container, in which container there may be ground into powdered form other quantities of such hard material for use in a sintering or like method.

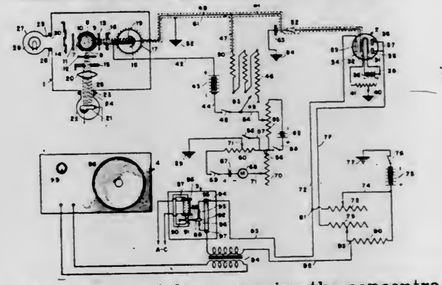


2,381,414

MEASURING INSTRUMENT

John B. Wilkie, Silver Spring, Md.; dedicated to the free use of the People in the territory of the United States

Application January 16, 1943, Serial No. 472,595
9 Claims. (Cl. 250—41.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



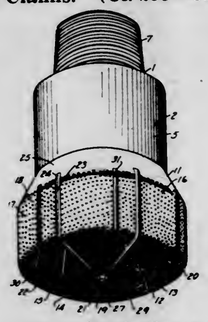
1. An instrument for measuring the concentration of a fluid comprising means for producing a direct current flow which has a known functional relationship to variations in concentrations of fluids tested, a triode, an input circuit for applying a potential to the grid of the triode in response to the current flow, a compensating circuit for applying a potential to the grid to compensate for that applied due to the current flow, said compensating circuit including a direct current meter, the readings of which have a straight line functional relationship to the current flow, a triode output circuit having a plate voltage supply, a balancing circuit which may be varied to establish points of equal potential between a point in the balancing circuit and a point between the plate of the triode and its voltage supply, a current detection circuit connected in shunt with the points of equal potential and having a means for modulating any current flowing in the detection circuit, and a pulsating current amplifier coupled with the current detection circuit and having means for indicating current flowing therein.

2,381,415

DRILL BIT

Edward B. Williams, Jr., Greenville, Tex.

Application November 19, 1943, Serial No. 510,946
8 Claims. (Cl. 255—61)



1. A rotary drill bit including a body having a drilling face provided with spirally arranged cut-

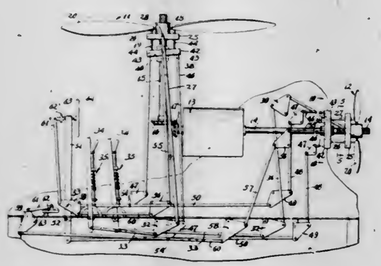
tings receiving grooves, and cutting elements bedded in said face on respective sides of said grooves, said face having watercourses dividing said face into sections and connecting said grooves, and said sections having secondary watercourses extending transversely of said grooves.

2,381,416
AGE HARDENABLE CHROMIUM-NICKEL STAINLESS STEEL
Ernest H. Wyche and Raymond Smith, Pittsburgh, Pa.
Application October 8, 1941, Serial No. 414,194
10 Claims. (Cl. 148—31)

1. A method of adjusting the physical properties of carbon-containing chromium-nickel stainless steel of the type containing at least one of the stronger-than-chromium carbide formers such as titanium, columbium, zirconium, etc., said method comprising the step, during the making of said steel, of proportioning its components other than said carbide formers that are ferrite formers to those that are austenite formers to provide said steel with a structure that at least partly transforms at relatively low temperatures to alpha-ferrite upon cooling, with any remainder austenite followed by the steps of cooling said steel to produce said alpha-ferrite and aging.

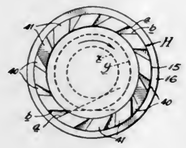
7. Age-strengthened chromium-nickel stainless steel having substantially the same strength in all directions and free from the directional strength characteristics of a cold-worked product, with a structure that is partly low-temperature ferrite and partly austenite.

2,381,417
HELICOPTER
Eugene Adams, Newark, N. J.
Application November 27, 1943, Serial No. 511,907
7 Claims. (Cl. 244—17)



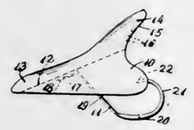
1. In a helicopter, driving and steering mechanism, comprising a driven propeller shaft, a propeller hub having a back flange, being keyed and slidably mounted on said driven propeller shaft, a plurality of propeller blades swivelly mounted on said propeller hub for variable pitch adjustments, an annular member rotatively and non-slidably mounted on said back flange, means connected with said annular member for adjusting said propeller hub slidably upon said propeller shaft, a wheel located back of said back flange and having a hub portion fixedly mounted on said propeller shaft and a rim portion universally mounted on said hub portion, a second annular member rotatively and non-slidably mounted on said rim portion of said wheel, a group of flexible links connected with said rim portion and slidably passing through said back flange and connected with said propeller blades for varying the pitches of said blades in accordance with the tilted positions of said rim portion, and means connected with said second annular member for tilting said rim portion.

2,381,418
ART OF GRINDING ANNULAR SURFACES
James W. Alsdorf, Winnetka, Ill., assignor to Cory Glass Coffee Brewer Co., Not Inc., Chicago, Ill., a limited partnership composed of Abram N. Pritzker and himself, general partners
Application March 23, 1944, Serial No. 527,745
6 Claims. (Cl. 51—209)



1. In the lapping of an annular surface upon an object, the steps of rotating against such surface a plurality of circularly arranged coplanar lapping surfaces disposed between and defined in part by inner and outer concentric circles spaced from each other by open ended slots bounded by diverging walls the trailing one of which, in relation to the direction of rotation of the annular lapping surfaces, is tangent to a circle interiorly of the other to control the position of masses of non-flowable wet abrasive material disposed within the slots, and of adding from time to time, fresh wet abrasive material in a plastic state to the previously placed masses thereof to maintain in cooperation therewith a wet abradant surface substantially coplanular with the plural lapping surfaces.

2,381,419
SHOE TREE
Alfred Atlass, New York, N. Y.
Application August 18, 1944, Serial No. 550,059
7 Claims. (Cl. 12—128.2)



2. A shoe support for an open heel shoe comprising a body having a concave bottom face, a convex top face similar in shape to the toe and instep portion of the inside of said shoe, and a rear face, ratchet grooves in said rear face, a guide secured to said bottom face and a spring metal member slidably secured at its front end in said guide and extending downwardly and rearwardly from the toe of said body, said member having a spherically shaped portion at its lowermost point adapted to engage the inner sole of said shoe, and a hook extending upwardly from said spherically shaped portion, the free end of said hook being adapted to coact with said ratchet grooves for adjusting the force of said spring member, said spring member being adapted to slide on said guide to adjust the position of said spherical portion.

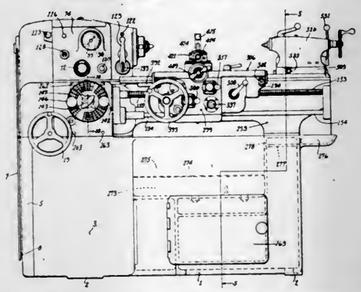
2,381,420
HARD WAXES AND FATTY PRODUCTS DERIVED FROM CRUDE SUGAR CANE WAXES
Royal T. Balch, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application July 25, 1942, Serial No. 452,370
2 Claims. (Cl. 260—428.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A method of separating crude sugar cane wax into various constituents comprising mixing pieces of the crude wax with acetone and permitting the acetone to dissolve the fatty portions and not the hard wax constituents, separating the solution from the mixture and recovering the hard wax constituents, distilling off a portion of the acetone from the solution to give a fairly concentrated solution, cooling the concentrated solution to crystallize a sterol fraction therein, separating and recovering the crystalline sterol fraction therefrom, evaporating the acetone from the remaining solution, subjecting the residue remaining after evaporation of the acetone to an alcohol extraction to recover a free fatty acid fraction, and recovering the residue remaining after extraction of the free fatty acid portion.

2,381,421
METHOD OF TREATING CEREAL GRAINS
Arnold K. Balls, Washington, D. C., and Walter S. Hale, Alexandria, Va., assignors to Claude R. Wickard as Secretary of Agriculture of the United States of America, and to his successors in office
No Drawing. Application March 12, 1942, Serial No. 434,308
2 Claims. (Cl. 99—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

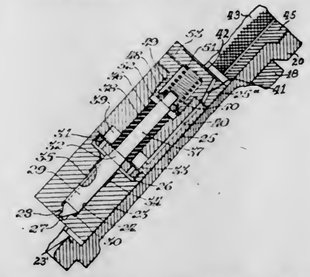
1. The method of charging a storage bin with living cereal grain bulk to prevent harmful increases of temperature of the grain during subsequent storage of the grain in the bin comprising introducing the grain in the bin simultaneously with ethylene gas diluted with 10,000 to 100,000 parts of air per part of the ethylene gas.

2,381,422
SENSITIVE PRECISION LATHE
Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application October 31, 1939, Serial No. 302,194
11 Claims. (Cl. 82—2)



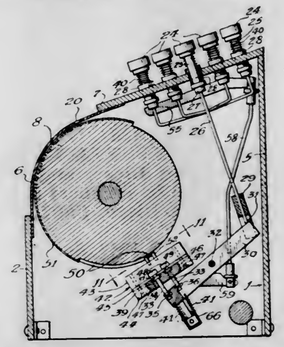
1. In a lathe, a driving motor, hydraulic variable speed transmission means driven thereby, a control mechanism comprising a handle, a sleeve and a system of links and levers connected to said hydraulic speed control mechanism and handle, a rod mounted within said sleeve, and electrical control mechanism connected to said rod for controlling said driving motor whereby a centralized control for said motor and said hydraulic speed mechanism is provided.

2,381,423
FUEL INJECTOR
Foster Buck, Lisle, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 12, 1940, Serial No. 329,329
13 Claims. (Cl. 299—107.6)



11. A fuel injector comprising a body having a bore with a fuel inlet, a fuel outlet and a valve seat adjacent to the latter, a reciprocable valve for said valve seat adapted to be opened by the injection pressure of fuel supplied to said inlet, said valve having a stem rigid therewith and disposed in said bore, and loading means for said valve comprising an axially elastic sleeve interposed between and surface bonded to said bore and stem, said sleeve being axially pretensioned to hold said valve in closed position under pressure less than injection pressure and being capable of further axial tensioning to permit said valve to open at injection pressure.

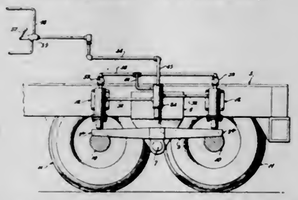
2,381,424
CALCULATING DEVICE
Raymond W. Danielson, Chicago, Ill.
Application August 9, 1943, Serial No. 497,925
5 Claims. (Cl. 235—87)



1. The combination with a spring driven indicia carrying drum in a device of the class described, of cam means carried by said drum, a follower element retained for slidable movement parallel to the axis of said drum and being in slidable engagement with said cam means,

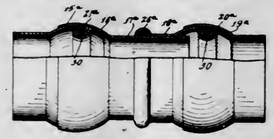
means for placing the drum under the tension of its spring and for causing the follower element to be locked adjacent one end of the drum, release means for permitting the drum to rotate under the action of the spring and to thereby move said follower, and stop means projectable into the path of said follower to limit the movement thereof to a predetermined position.

2,381,425
STABILIZER
Troy M. Deal and Walter Baker, Cedar Rapids, Iowa, assignors to Link-Belt Speeder Corporation, a corporation of Illinois
Application November 10, 1942, Serial No. 465,136
12 Claims. (Cl. 280—6)



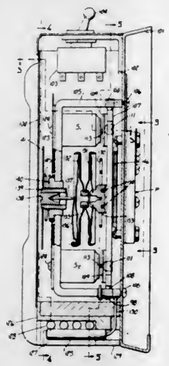
1. The combination with a vehicle frame, a main axle supporting the frame, a pair of wheel axles positioned one forwardly and one rearwardly of the main axle, and equalizing means connecting each end portion of the main axle to the adjacent end portions of both wheel axles to permit the wheel axle end portions to move relative to each other and to the vehicle frame to accomodate irregularities in the ground or road surface over which the vehicle frame travels, of stabilizing mechanism to be operated only when the vehicle frame is stopped to prevent the wheel axle end portions from partaking of movements relative to each other and to the vehicle frame irrespective of the relative positions then occupied by said end portions with respect to each other and to the vehicle frame, said stabilizing mechanism comprising a stabilizing device for each end portion of each one of the wheel axles, each stabilizing device including a cylinder attached to the vehicle frame to move therewith and a piston freely movable in the cylinder and projecting therefrom to rest upon the equalizing means, separate tubing connecting the cylinders positioned on each side of the vehicle frame to permit fluid to flow between the same in a closed circuit, and control means for effecting simultaneous stoppage of flow of fluid through said separate tubing to render the pistons of all of the stabilizing devices immovable relative to their cylinders.

2,381,426
FLEXIBLE EXHAUST LINE JOINT
Leonard B. Allen, San Diego, and William C. Heath, La Mesa, Calif., assignors to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application November 18, 1942, Serial No. 466,022
5 Claims. (Cl. 285—91)



1. A flexible joint for the exhaust line of an internal combustion engine, said joint comprising first and second aligned conduit members having ball end portions at their near ends, first and second sleeve members in telescopic relation with each other and having ball end portions at their remote ends nesting with the wall end portions of said first and second conduit members, each pair of nested members having an annular packing member therebetween at their equator and having spherical bearing surfaces on both sides of their equators, whereby separating movement of each ball portion from its associated nested ball portion in any direction is positively prevented by direct contact between spherical portions of the two nested ball portions, said sleeve members being in free floating relation to said conduit members and having a free sliding fit with each other, one of each pair of nested ball portions having an equatorial groove for holding said annular packing member in rubbing relation with the other ball portion of the pair, and said annular packing member comprising resilient material compressed between the nested ball portions, whereby it functions as a seal and provides frictional resistance to fortuitous rotation of said sleeve members with respect to said conduit members.

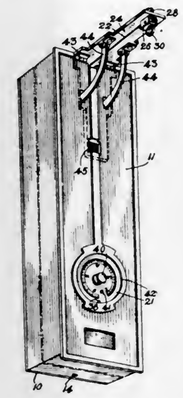
2,381,427
AIR CONDITIONING
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 14, 1941, Serial No. 406,777
31 Claims. (Cl. 257—3)



23. In mechanism of the character described, a control member, structure comprising a plurality of parts including a pin and a thermal element for operating said control member, said pin at opposite ends thereof being tapered to form more or less rounded points, said pin being frictionally held at said rounded points between two of said parts of which one is angularly movable, and resilient means for keeping said pin in position even when said two parts are spaced apart a distance greater than the length of said pin.

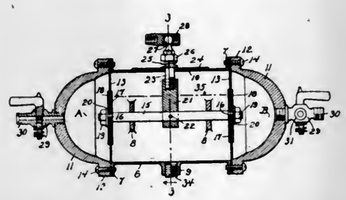
2,381,428
HEIGHT-MEASURING DEVICE
Purdy E. Attick, Chicago, Ill.
Application October 8, 1943, Serial No. 505,560
8 Claims. (Cl. 33—172)

1. A device for measuring and recording heights comprising a height-measuring instrument having a measuring and recording chart carrier, a readily detachable measuring and recording chart on and movable with the carrier and having a height scale on the face thereof, a pointer on the instrument co-operating with the said scale, a head-engaging piece above capable of being pulled down on the head of the person being measured, said headpiece being operatively connected with



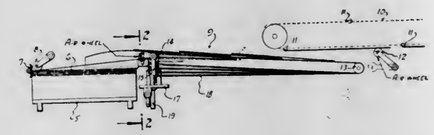
said instrument to cause it to measure and visually indicate by said pointer and scale on said chart the height of the person, means for automatically locking said pointer and scale in said indicating position, and means enabling the manual marking on said chart of the position of the pointer on the scale before the parts are unlocked and return to normal, and thereby recording the height so measured.

2,381,429
PRESSURE RESPONSIVE DEVICE
Wade Isaac Bell and John Stuart McKinley, Great Bend, Kans.
Application November 8, 1943, Serial No. 509,478
4 Claims. (Cl. 137—156)



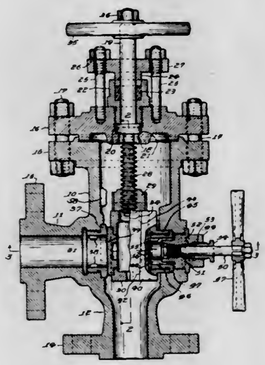
1. A pressure responsive device for cooperation with the throttles of two internal combustion engines: said pressure responsive device including a cylinder having flanges at its ends, an upper longitudinal slot and a lower drain closed by a removable plug; a chambered cylinder head for each end of said cylinder and having a flange to register with the flanges of said cylinder; means securing said heads to said cylinder; flexible diaphragms secured so as to divide the cylinder head chambers from the cylinder; a shaft in said cylinder with its ends secured to the respective diaphragms; a block secured to the said shaft; a member secured to said block and projecting through said slot; a ball and socket joint on said member; a pet cock secured to each cylinder head; and a by-pass tube connecting said pet cocks, said pet cocks each having three ports, one in communication with the cylinder-head chamber, a second in communication with the by-pass tube and a third adapted to communicate with a pressure line, said pet cocks being arranged to establish communication between the cylinder-head chamber and either the second or third port.

2,381,430
SHEET DELIVERY MECHANISM
Frank R. Belluche, Racine, Wis., assignor to Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application July 2, 1943, Serial No. 493,182
5 Claims. (Cl. 271—68)



5. A sheet delivery mechanism for stream feeding sheets onto the top of the pile comprising: an endless tape conveyor having a roll extending across the width of the conveyor at its receiving end; a pair of complementary rolls arranged end to end at the delivery end of the conveyor; endless tapes trained over the rolls at the opposite ends of the conveyor; hinged means mounting the adjacent ends of the pair of complementary rolls; and vertically adjustable supports for the outer free ends of said complementary rolls by which they may be held in positions forming a variable angle to give the tape conveyor a trough formation and bow the sheets a variable amount.

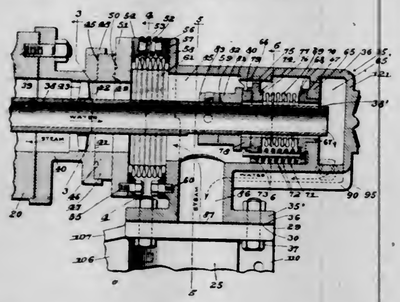
2,381,431
GATE VALVE
Lambert J. Bordo, North Willow Grove, Pa.
Application October 21, 1942, Serial No. 462,877
3 Claims. (Cl. 251—57)



1. In a valve structure wherein a valve member is movable within a casing transversely of an inlet port into and out of position over a valve seat, the combination of a stuffing box removably mounted in the outer end of an opening opposite said port in the wall of said casing, a valve guideway supported in the inner end of said opening and having an aperture therethrough in alignment with the opening through said stuffing

box, a locking spindle supported by said stuffing box and having its inner end projecting through the aperture in said guideway for locking said valve member on said seat, and means accessible through said opening upon the removal of said stuffing box and said spindle for adjusting said guideway toward and away from said valve seat.

2,381,432
JOINT CONSTRUCTION
Samuel M. Bratton, Wilmington, Del., assignor to The Pusey & Jones Corporation, Wilmington, Del., a corporation of Delaware
Application October 24, 1941, Serial No. 416,417
11 Claims. (Cl. 34—124)



1. In combination, a paper drying roll, a rotatable hollow journal therefor having steam and water passages leading therethrough, a supporting bearing for the journal, a fixed manifold independent of the bearing and having steam and water passages permanently connected to steam and water lines, and a joint assembly separate from and independent of the bearing and comprising a casing removably carried in normally fixed relation by the manifold and having passages communicating respectively with the passages in the journal and in the manifold, a packing member between the casing and the rotatable journal, and resilient means non-rotatably carried by the casing for urging the packing member against a surface rotating with said journal, said casing and said resilient means being supported on said manifold for ready removal therefrom and from the bearing for replacement of said packing member without disturbing the support of the journal in the bearing or the connections of said steam and water lines with the manifold.

2,381,433
ESTERS OF ENDOETHYLENE HYDROXYCYCLOPENTANOINDANE AND METHOD FOR THEIR PREPARATION
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 19, 1944, Serial No. 531,763.
14 Claims. (Cl. 260—486)

1. A method for preparing esters of endoethylene hydroxycyclopentanoindane which comprises reacting 1,4-endomethylene tetrahydro-Δ^2-fluorene in the presence of an acidic condensing agent with a carboxylic acid.

9. As a new compound, an acid-catalyzed addition-rearrangement product from 1,4-endomethylene tetrahydro-Δ^2-fluorene and a carboxylic acid, said compound being an ester of endoethylene hydroxycyclopentanoindane.

2,381,434
PROCESS OF ISOMERIZATION
Robert E. Burk, Cleveland Heights, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 26, 1940, Serial No. 331,894
4 Claims. (Cl. 260—683.5)

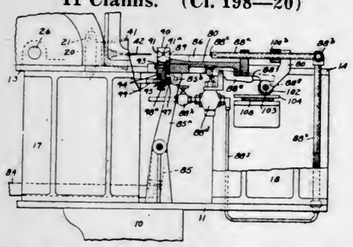
1. A process of isomerization, which comprises contacting a naphtha containing substantial amounts of hexanes with a catalyst consisting of not over 15 mol per cent of an aluminum halide based on the naphtha and hydrogen halide in a large amount to saturation at a temperature of from not above 0° C. down to −30° C., and continuing the contact at said temperature for a period of time to provide high yields of hexane isomers of more branched structure and with a minimum of cracking of the hexanes.

2,381,435
GRAIN SHAPE CONTROL IN KILLED DEEP DRAWING MATERIALS
Robert S. Burns, Middletown, and Arthur S. McCabe, Seven Mile, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application August 3, 1940, Serial No. 351,130
8 Claims. (Cl. 148—12)

1. A process of producing a deep drawing iron or mild steel sheet or strip stock, which comprises hot rolling a killed iron or mild steel stock, finishing the hot rolling at a temperature in the range of substantially 1525 to 1650° F., rapidly cooling the stock in air from said temperature range to substantially between 1100 to 1375° F. and then more slowly cooling it to a cold rolling temperature, cold rolling the stock with a reduction of the order of 50%, and thereafter giving the stock a thermal stabilizing treatment, by heating said stock to a temperature below the A_3 point and preferably in the neighborhood of the A_1 point and then cooling said stock sufficiently slowly to establish freedom from the unstable condition in the ferrite which gives rise to overstrain aging.

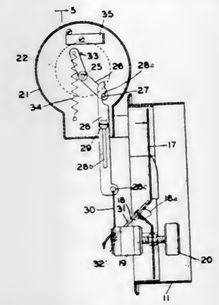
2. A killed iron or mild steel for deep drawing characterized by a grain structure in which the grain axis normal to the plane of the stock is less in dimension than both grain axes in the plane of the stock.

2,381,436
TUBE ALIGNING MECHANISM
Frank J. Cozzoli, Plainfield, N. J.
Original application February 12, 1943, Serial No. 475,625. Divided and this application December 20, 1943, Serial No. 514,929
11 Claims. (Cl. 198—20)



8. In an ampule washing machine having a carrier mechanism adapted to receive and transport one or more ampules to be processed, combining means for loading ampules to be processed on said carrier comprising an ampule supporting member, said member having a channel formed therein to receive the ampule to be processed, and pneumatic means approximately axially aligned with said channel and situated to the rear of the ampule placed therein for advancing the ampule along the channel, and control means actuated in timed relation with the carrier movements for controlling the action of said pneumatic means and thereby the movement of the ampule placed in the channel.

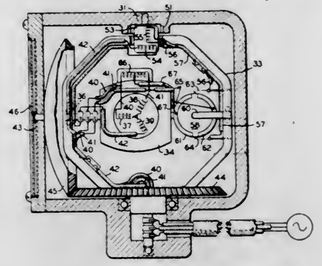
2,381,437
CONTROL MEANS FOR DRAFT REGULATORS
Morris W. Crew and George A. Short, Cleveland, Ohio, assignors to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application May 1, 1942, Serial No. 441,300
5 Claims. (Cl. 236—45)



4. Control means for a furnace draft stabilizing damper having operating and standby positions, comprising an operating element movable back and forth between two positions, motor means for moving it to one of its positions, power means for moving it to the other of its positions, operating connections between said element and the damper including a releasable coupling adapted when coupled and upon movement of said element toward one of its positions to cause movement of the damper to standby position and when uncoupled and upon movement of said element toward the other of its positions to release said damper for free movement to operating position, means for uncoupling said coupling when movement of said element toward its last mentioned position is initiated, and said motor means when effective energizing said power means and recoupling said coupling.

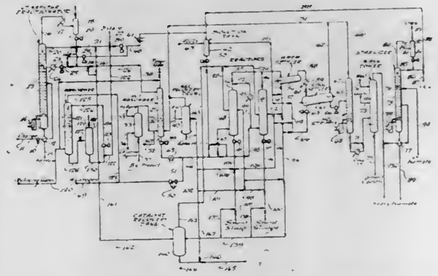
2,381,438
CONTROLLING MEANS FOR GYRO INSTRUMENTS
Robert S. Curry, Jr., Baldwin, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 12, 1942, Serial No. 458,119
23 Claims. (Cl. 74—5)

1. In an electrical gyro instrument having a rotor, a motor for spinning said rotor, a rotor frame, and a gimbal ring by which said frame is universally mounted, means for precessing said frame comprising a torque motor having a polyphase wound stator movable about one of the axes of universal mounting of the frame, a switch for detecting tilt of the frame about the other of its axes of universal mounting having inlet and outlet parts, a first circuit by which electrical energy is supplied to one of the stator windings of said torque motor and to said rotor spinning



motor consisting of conductors on said ring and on said frame, a second circuit including the other of the stator windings of said torque motor connected to one of the parts of said switch, and electrical means on said frame for supplying energy from said first circuit to said second circuit at a reduced energy level including a third circuit connected to the other part of said switch.

2,381,439
HYDROCARBON CONVERSION
Edmond L. d'Ouville and Bernard L. Evering, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 15, 1941, Serial No. 422,984
4 Claims. (Cl. 260—683.5)



1. In a process for isomerizing paraffin hydrocarbons of the butane to hexane boiling range by means of a liquid aluminum chloride-hydrocarbon complex catalyst wherein the activity of the catalyst in a reaction zone is maintained by the addition of make-up aluminum chloride thereto, the method of operation which comprises maintaining a mass of aluminum chloride-hydrocarbon complex in said reaction zone up to a high level which is spaced from the top of said zone, heating a portion of a charging stock consisting chiefly of paraffin hydrocarbons of the butane to hexane boiling range in the absence of hydrogen chloride to a temperature within the approximate range of 200° to 300° F. and passing the heated portion through a mass of solid aluminum chloride for dissolving a regulated amount of aluminum chloride, absorbing hydrogen chloride in another portion of said charging stock and heating said other portion to an isomerization temperature below 300° F., introducing both portions of said charging stock into said mass of complex catalyst and passing said charging stock upwardly through said mass under isomerization conditions at a temperature below 300° F., separating hydrocarbons from complex in the upper

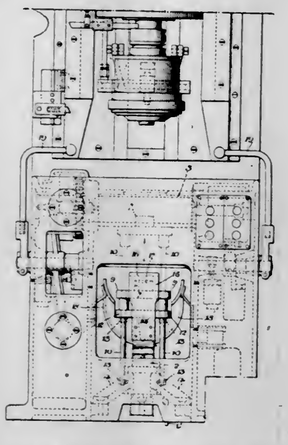
part of said zone, removing hydrocarbons from said zone at a point above the level of the complex mass of catalyst therein, separating catalyst material and hydrogen chloride from the removed hydrocarbons, recycling separated hydrogen chloride without contacting it with said solid aluminum chloride, and introducing an amount of aluminum chloride by said solution step to provide an over-all make-up of more than .1 but less than 4 pounds of aluminum chloride per barrel of stock charged.

2,381,440
HIGH DENSITY COMPRESSIBLE IRON POWDER AND PROCESS
Joseph E. Drapeau, Jr., Calumet City, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 6, 1943, Serial No. 474,976
10 Claims. (Cl. 75—28)

1. An iron powder composed of particles of mono-crystalline structure and having thin, porous, spongy surfaces of substantially uniform thickness.

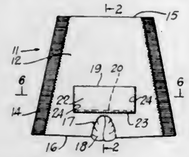
5. The process of producing an improved iron powder which comprises subjecting an iron powder of relatively high density composed of particles of mono-crystalline structure to a surface oxidation and then to a reducing treatment to reduce iron thus oxidized at a temperature insufficient to cause substantial sintering.

2,381,441
STOCK STOP FOR METALWORKING MACHINES
Alfred E. Drissner and William J. Hogg, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application October 7, 1943, Serial No. 505,294
12 Claims. (Cl. 10—107)



1. In a metal working machine having a horizontally positioned work holding chuck, a stock stop located below the chuck and vertically shiftable toward the chuck to position a work piece therein, and means for facilitating the removal of the work when the stop is in inoperative position, said means comprising a member having a tapered top surface cooperating with a tapered top surface on said stop.

2,381,442
FOUNDATION GARMENT
Harry Jay Dubner, Forest Hills, N. Y.
Application January 19, 1944, Serial No. 518,844
3 Claims. (Cl. 2—43)



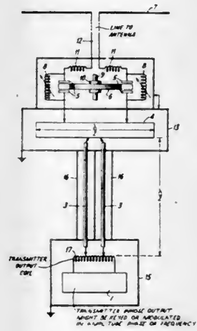
1. A foundation garment having a wall adapted to continuously embrace the body of the wearer, a crotch member connected to said wall, the back of the garment having a horizontal slot in said wall immediately above the crotch member, a flexible sheet member at the buttocks connected along its bottom edge to said wall at the bottom edge of the slot, the flexible member extending above the slot and being connected to the wall by generally vertical lines of connection located at the ends of the slot whereby the flexible member overlaps said wall, said wall being vertically expansible to a substantial degree at the slot to relieve tension on the crotch member in the sitting position of the wearer, and the vertical lines of connection being sufficient in length to cause the flexible member to limit the said expansion, the slot being wider than the crotch member but being substantially shorter than the width of the back of the garment as to provide vertically continuous sections at the back of the garment lateral to the slot for restraining adjacent parts of the buttocks and for producing tension such as to cause the overlapping portions of the garment to slip on each other to substantially reduce the expansion of the slot when the wearer stands up.

2,381,443
ANTIAIRCRAFT FLARE
Marcel J. E. Golay, Long Branch, N. J.
Application May 19, 1941, Serial No. 394,234
6 Claims. (Cl. 102—37.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



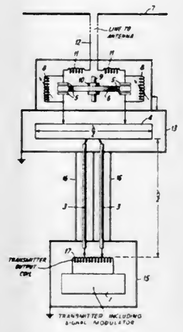
5. In a telltale device for detecting the movements of aircraft, a pair of illuminating flares, a long, elastic filament connecting the flares and adapted to be extended in the atmosphere for ensnaring a passing aircraft, and igniting means adapted to ignite the flares on engagement of the extended filament with an aircraft.

2,381,444
RADIO SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 27, 1940, Serial No. 371,865
41 Claims. (Cl. 250—6)



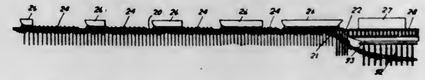
1. The method of operating a radio system which includes producing alternating current energy of a predetermined frequency, continuously storing said alternating current energy of said frequency at a radio transmitter and radiating the stored energy without change of frequency from said transmitter for short time periods compared to the intervals between radiating periods, thereby increasing the maximum power output of the transmitter during radiation above the input power, and synchronously controlling the receiver to be operative substantially only during the radiation periods of the transmitter.

2,381,445
PULSE TRANSMISSION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 27, 1940, Serial No. 371,865. Divided and this application June 30, 1942, Serial No. 449,064
17 Claims. (Cl. 250—17)



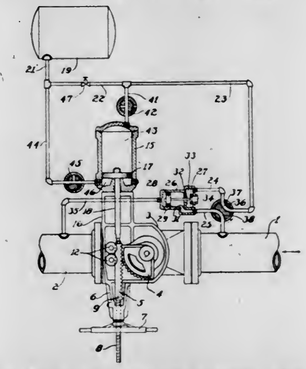
10. In a transmitter, means for storing high frequency energy, and means for periodically utilizing the stored energy without change of frequency for very short time periods compared to the time intervals between them.

2,381,446
EQUIPMENT FOR SHIPBUILDING
Frederic R. Harris, New York, N. Y., assignor to New Jersey Shipbuilding Corporation, Barber, N. J., a corporation of New Jersey
Original application March 19, 1943, Serial No. 479,733. Divided and this application October 5, 1943, Serial No. 504,990
3 Claims. (Cl. 61—67)



1. The combination of ways on which a ship is constructed on shore, a floating dry dock with a deck and ways above the deck designed to register with the ways on shore, centering guides for positioning the dry dock in line with the ways on shore, supporting means embedded in the subaqueous soil and extending under the dry dock at such a level that when the dry dock is submerged until it rests on said supporting means, the ways on the dry dock are at the level of the ways on shore.

2,381,447
FLUID PRESSURE OPERATED VALVE
Edwin E. Hedene, Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application May 25, 1942, Serial No. 444,335
4 Claims. (Cl. 137—153)

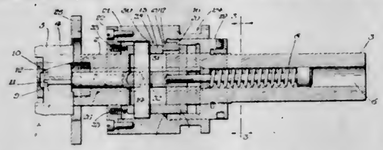


1. In a fluid distribution system, the combination of a pipe line, a main valve interposed in said pipe line, power means for actuating said main valve, means responsive to rate of pressure change within the pipe line for actuating said power means, and a fluid pressure operated valve controlling said latter means to disconnect said latter means from the pipe line upon closing operation of said main valve.

2,381,448
TRIGGER TYPE COLLAPSING TAP
William J. Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 20, 1943, Serial No. 499,331
16 Claims. (Cl. 10—95)

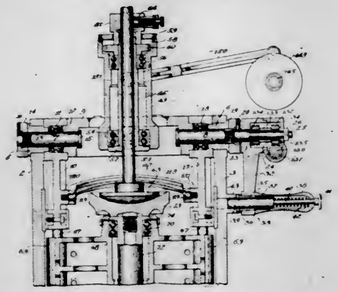
16. A threading tool having a body, chasers carried thereby, primary means shiftable relative to the body and cooperating with the chasers for normally retracting the chasers at the end of the thread cutting operation, and supplemental means for insuring retraction of the

chasers and comprising a shiftable member cooperating with said primary means to impart a



kick thereto upon the failure of said primary means to act, and spring means for shifting said member to effect such kick.

2,381,449
SPHERICAL SURFACE GENERATING DEVICE
Arthur J. Holman, Brighton, N. Y.
Application November 14, 1942, Serial No. 465,605
23 Claims. (Cl. 51—55)



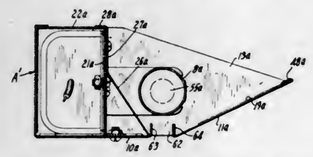
14. In a spherical surface generating device, a pair of hollow spindles rotatably mounted, a work spindle slidably mounted within one of said hollow spindles, a tool fixed on one end of the other of said hollow spindles, hingedly mounted means whereby said hollow spindles are supported so they may be oscillated in planes at right angles, a supporting frame structure for said hingedly mounted means, means adapted and arranged to oscillate said hollow spindles at different frequencies, and means for rotating said hollow spindles at different rates.

2,381,450
ULTRAVIOLET STERILIZER
Robert A. Hrabak, Lakewood, Ohio, assignor to The Art Metal Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1943, Serial No. 471,192
4 Claims. (Cl. 250—88)



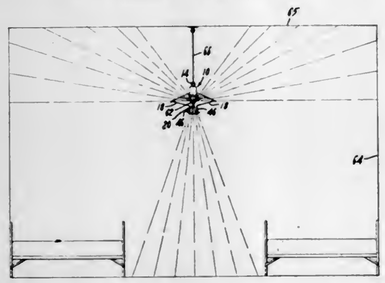
1. An ultraviolet sterilizer, comprising an elongated housing having spaced front and rear walls and an elongated opening therebetween, an elongated reflector of trough-shaped cross section carried by said housing and facing upwardly and forwardly toward said housing opening, said reflector having a lower rear portion in planar contact with said housing rear wall and having an upper rear portion extending forwardly from such wall and also having a front portion extending upwardly and forwardly to the housing front wall, a tube type ultraviolet lamp mounted in the trough of said reflector, and lamp operating means mounted within said housing.

2,381,451
ULTRAVIOLET STERILIZER
Robert A. Hrabak, Lakewood, Ohio, assignor to The Art Metal Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1943, Serial No. 471,193
12 Claims. (Cl. 250—88)



1. An ultraviolet sterilizer, comprising an elongated supporting structure having a chamber and a bottom wall projecting forwardly therefrom, a pair of longitudinally spaced lamp holders carried by said supporting structure and projecting forwardly from the chamber thereof, a tube type ultraviolet lamp extending between and carried by said lamp holders, a ballast for said lamp mounted within said chamber, said forwardly projecting bottom wall having an elongated opening beneath and generally in alignment with the longitudinal axis of said lamp, said opening permitting the downward passage therethrough of some of the ultraviolet radiations emitted by said lamp, and elongated reflector means carried by said supporting structure for directing upwardly and forwardly some of the ultraviolet radiations emitted by said lamp, said reflector means having an upwardly and rearwardly inclined reflecting portion rearwardly of said opening and an upwardly and forwardly inclined reflecting portion forwardly of said opening.

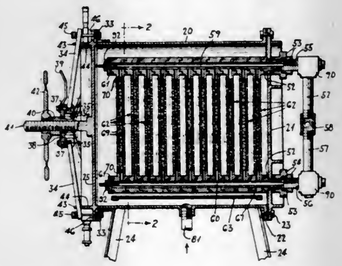
2,381,452
ULTRAVIOLET STERILIZER
Robert A. Hrabak, Lakewood, Ohio, assignor to The Art Metal Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1943, Serial No. 471,194
14 Claims. (Cl. 250—88)



1. An ultraviolet sterilizer, comprising an elongated support having a pair of longitudinally spaced lamp holders depending therefrom, a tube type ultraviolet lamp extending between and carried by said lamp holders beneath said support, a ballast for said lamp carried by said support, elongated reflector means suspended from said support for directing laterally from both sides of

the sterilizer ultraviolet radiations emitted by said lamp, said reflector means having an opening beneath said lamp to permit some of the ultraviolet radiations emitted by said lamp to pass downwardly therethrough, and depending continuous wall means at the periphery of said opening to provide a downwardly directed duct for ultraviolet radiations passing through said opening.

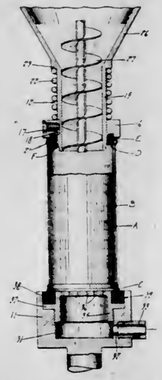
2,381,453
FILTER
Charles Edward Hunziker, Paterson, N. J.
Application September 14, 1939, Serial No. 294,862
4 Claims. (Cl. 210—181)



1. A filter of the character described comprising a shell, a stationary wall closing one end of the shell, a door for closing the opposite end of the shell, supporting and guiding members extending longitudinally within the shell, a plurality of parallel filter plates slidably supported on said supporting members in operative position within the shell and for movement into and out of the shell when the door is open, each of said filter plates comprising a body of filtering material having fluid passages therein, hollow projections at the top and bottom of the opposite faces of each filter plate, the projections of adjacent plates being formed to interfit to hold the plates engaged and spaced apart and forming upper and lower fluid conducting channels, nipples carried by and extending through said stationary wall and engaging and communicating with the projections on the outer face of one of the end plates of the series, caps engaging and closing the outer ends of the projections on the outer face of the other end plate of the series, couplings engaging the nipples at the outer side of the stationary plate, fluid conductors connected with said couplings, and tie rods extending through the projections of the plates, the caps, nipples and couplings and detachably connecting said parts together and holding the plates in assembled relation.

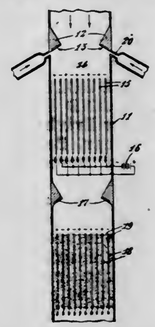
2,381,454
MACHINE FOR FILLING PRODUCTS INTO CONTAINERS
Carl A. Huth, Rutherford, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 25, 1943, Serial No. 480,512
1 Claim. (Cl. 226—116)

In a machine for filling a light weight flaky, granular or finely comminuted product into a container having a filling opening in one end and a dispensing opening in an opposite end, the combination of a filling head for feeding the product into the container through its filling opening, said head having a discharge nozzle extending into the container filling opening when the container is in filling position and having a surrounding sealing ring engaging one end wall of the container exteriorly of said opening in an air-tight seal, said head also having rotatable means inside of said nozzle for progressively forcing the product through said nozzle and into the container, a plate located below said filling head adjacent the opposite container end, said plate having a passageway formed therein, a sealing ring supported by said plate and surrounding said passageway, said ring engaging said opposite end of the container and



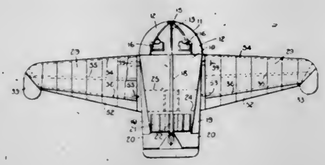
cooperating with said plate to hold the container in clamped position against said head sealing ring in an air-tight seal, said passageway being communicable with the dispensing opening in the container, and means connecting with said passageway for drawing a vacuum through said dispensing opening on the interior of the container simultaneously with the forced feeding of the product therein to draw the inserted product particles into a compact mass within the container so that a predetermined quantity of the product may be uniformly placed into the container.

2,381,455
ELECTRICAL PRECIPITATION APPARATUS
Carlyle W. Jacob, Lynn, Mass.
Application October 31, 1942, Serial No. 464,012
6 Claims. (Cl. 183—7)



1. Electrical precipitation apparatus comprising, an ionizing agent having radioactive properties, means for subjecting a gas having matter suspended therein to the influence of the ionizing rays emitted by said agent whereby said matter accumulates an electrostatic charge derived from the ions thus produced, and means including spaced field-producing collector electrodes to effect the deposition of said charged matter.

2,381,456
AIRSHIP
Jesse D. Langdon, Downey, Calif.
Application September 20, 1941, Serial No. 411,616
3 Claims. (Cl. 244—124)

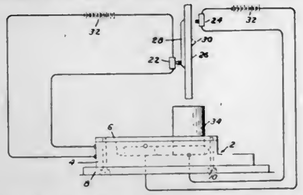


1. A wing structure comprising tubular spars made of assembled longitudinally tubular sections, each section flanged outwardly between its ends and telescopically conjoined with the adjacent sections of the spar, the spaced relationship of the adjoining sections limited by the flanged structure of each section between its ends, to limit the telescopic insertion of one section into another, each section being passed thru a pair of flanged ribs convergently embraced by and between the two ribs which lay parallel to one another transversely of the spars and wing structure; paneled wing surfacing segments extending between the pairs of ribs and being made of suitable sheet material having flanges turned inwardly and running longitudinally of the edge of each segment, the covering segments being of suitable width corresponding with the spaced relationship of each pair of ribs, the outer surfaces of inwardly turned flanges of the segments abutting one another and held between each pair of ribs by the flanges of the telescopic sections which are urged toward one another by tension means extending longitudinally of the spars and thus clamping the adjoining faces of the inwardly disposed flanges in close contact with and against one another, the edges of each segment being secured together rearwardly of the wing section and forming a trailing edge for the wing, the inwardly projecting flange of each segment of the wing being urged edgewise inwardly of the wing and joined together at the rear edge of the wing and means joining the rear of the wing section together.

2,381,457
CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING SAME
Eugene Lieber, West New Brighton, Staten Island, and Marvin E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 18, 1941, Serial No. 419,602
3 Claims. (Cl. 252—52)

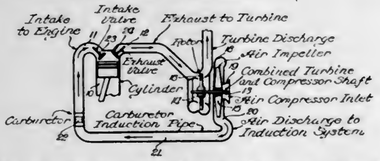
1. A composition comprising a major proportion of a mineral lubricating oil and a small amount of a Friedel-Crafts condensation product of an alkylene oxide having less than 10 carbon atoms with an aromatic compound adapted to Friedel-Crafts condensation through replaceable hydrogen atoms on the aromatic nucleus selected from the group consisting of aromatic hydrocarbons and alkyl, hydroxy and amino derivatives thereof, said condensation product being substantially non-volatile at temperatures up to about 600° F. under fire and steam distillation and having pour depressing properties.

2,381,458
WORK POSITIONING APPARATUS
Leo Meister, Irvington, N. J.
Application September 18, 1942, Serial No. 458,907
5 Claims. (Cl. 86—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. Apparatus for positioning and holding a work piece of magnetizable material, comprising a work supporting platen having a reentrant V-shaped stop, a recess at the vertex of the stop, magnetic means in said recess arranged to exert its attractive forces in the region of the said vertex to hold the work in operative position at said vertex, a tool movable to operate upon the work, means carried by the tool for making the first mentioned means effective, another magnetic means in a region removed from the said vertex and also arranged to exert its attractive forces in a region removed from said vertex to remove the work from operative position in the said vertex, and means carried by the tool to render said first means ineffective upon the withdrawal of the tool and the second means effective to remove the work from operative position.

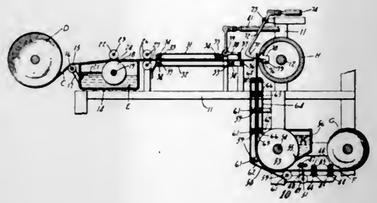
2,381,459
TURBINE BUCKET FOR EXHAUST TURBINE SUPERCHARGERS
Albert W. Merrick, Ossining, N. Y., assignor to Austenal Laboratories, Inc., New York, N. Y., a corporation of New York
Application December 10, 1941, Serial No. 422,421
5 Claims. (Cl. 253—77)



1. As a new article of manufacture, a turbine bucket for a turbine wheel in which the bucket is directly exposed to a high temperature high velocity stream of combustion gases for driving the wheel at high peripheral speed, said bucket being cast of a cobalt-chromium alloy containing cobalt 50% to 70%, chromium 20% to 40%, molybdenum 3% to 7%, and carbon up to 0.5%, said alloy bucket being practically incapable of being machined and worked and having high tensile strength and high resistance to corrosion and erosion by the combustion gases at temperatures on the order of 1500° F.

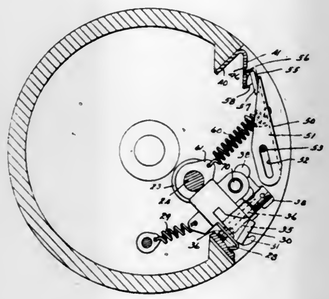
2,381,460
METHOD OF PRODUCING CAN BODIES
Willard A. Meyer, Mamaroneck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 10, 1941, Serial No. 392,978
4 Claims. (Cl. 93—94)

1. A method of producing a multiple ply fibre container body having an inner moisture-proof and grease-proof liner, which comprises forming a tuck in a liner blank adjacent an edge thereof, inserting into said tuck an edge of a fibre body blank coated on one side with adhesive, and simultaneously wrapping said liner and body blanks into container body shape with the liner



blank disposed against the adhesive coated side of the body blank so that the adhesive will form a bond between the blanks and between the multiple plies which results from wrapping them together to produce a can body having a moisture-proof and grease-proof liner covering and protecting the inner edge of the fibre body sheet.

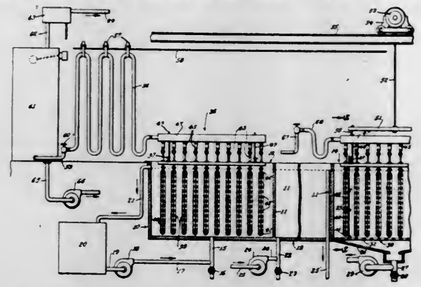
2,381,461
CLAMP FOR MASTER SHEETS OF PRINTING MACHINES
Lawrence H. Morse, Mentor, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 10, 1944, Serial No. 517,683
9 Claims. (Cl. 101—415.1)



1. The combination of a drum having an anvil within a gap in the drum, a clamping member pivotally and slidably mounted within the drum having inwardly projecting teeth, said clamping member having an inwardly projecting edge beyond the teeth, the anvil having a longitudinal groove with which said edge may coact to kink a sheet into the groove, and spring means tending to constrain the clamping member inwardly.

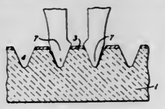
2,381,462
FILTERING MEANS
John J. Naugle, New York, N. Y.
Application June 13, 1942, Serial No. 446,944
9 Claims. (Cl. 210—153)

1. In a filtering tank, an assembly of filter leaves each of which includes an articulated internal structure, means to suspend said filter leaves in the tank, a grid normally resting at the bottom of the tank, and means for moving said grid into engagement with said filter leaves to



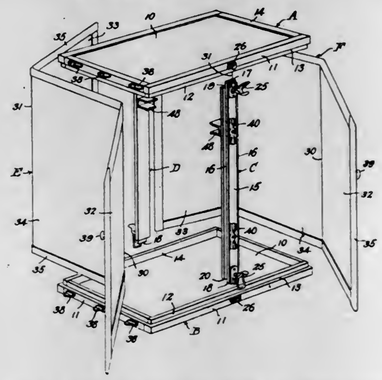
collapse the latter and cause scrubbing contact between the individual members thereof.

2,381,463
MAGNETIC SOUND RECORD
Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1944, Serial No. 521,322
1 Claim. (Cl. 179—100.2)



The method of making a magnetic sound record which comprises forming a spiral groove in a record base member with lands between the turns of the groove, filling the groove with a readily removable substance, applying magnetic recording material to the surface of the member containing the groove and finally cleaning out the groove to leave recording material on only the lands of the base member.

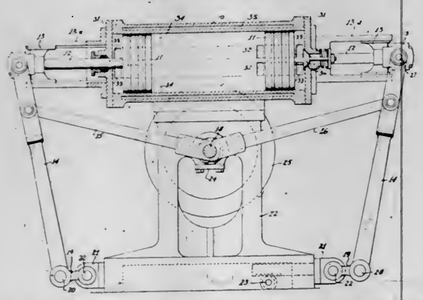
2,381,464
KNOCKDOWN COLLAPSIBLE WARDROBE
Charles Rosenthal, New York, N. Y.
Application September 22, 1943, Serial No. 503,318
3 Claims. (Cl. 312—144)



2. In a knock-down collapsible wardrobe, top and bottom units each having marginal edges formed with inwardly offset portions defining a continuous shoulder, a pair of spacing strip units at opposite sides of and between the top and bottom units and supporting the top unit on the

bottom unit, detachable means for connecting at least one of the spacing strip units at the opposite ends thereof respectively to the top and bottom units, and a pair of body units each including hingedly connected front, rear and side panels positioned with reference to the assembled top, bottom and spacing strip units so that the body units are disposed between the shoulders of the top and bottom units and the upper and lower end portions of the body unit panels lie against the inwardly offset portions of the top and bottom units, means pivotally carried by the outwardly disposed portions of the marginal edges of the top and bottom units adapted to be swung to positions overlying the end portions of the panels for retaining the body units in assembled relation to the set up top, bottom and spacing strip units, and means releaseably retaining the front and rear panels of the body units inwardly against the spacing strip units.

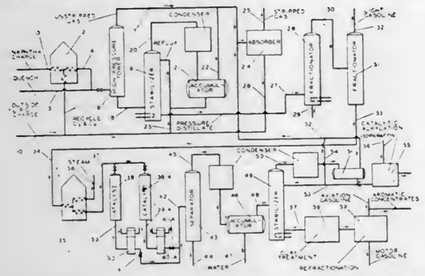
2,381,465
COMBUSTION ENGINE
Alf Schröder, Brooklyn, N. Y.
Application April 8, 1943, Serial No. 482,249
5 Claims. (Cl. 123—51)



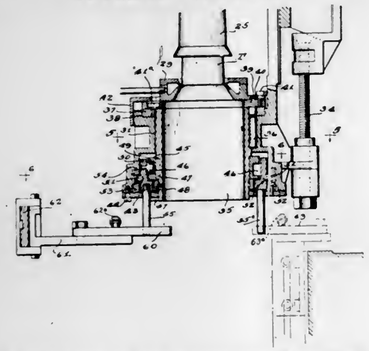
3. In a combustion engine of the character described the combination of a cylinder; a base supporting said cylinder; two opposing pistons slidably mounted in said cylinder; a guide structure mounted at each end of said cylinder; a guide head mounted in each of said guide structures and slidable in same; a pair of piston rods connecting said pistons and said guide heads; a pair of connecting rods connected with one end to said guide heads; a pair of racks slidably mounted in said base; a pair of gears pivoted in said base and being in mesh with said racks, and driving means whereby said gears may be turned to adjust the position of said racks; a pair of short levers pivoted to the outside end of said racks, the other end of said levers forming a fulcrum for the lower end of said connecting rods; a crank shaft journalled in bearings in said base, and a pair of crank rods connecting said connecting rods to said crank shaft.

2,381,466
HYDROCARBON CONVERSION PROCESS
Walter A. Schulze and Jesse A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 14, 1943, Serial No. 490,820
10 Claims. (Cl. 196—9)

1. A process for the production of gasoline stocks of high aromatic content which comprises heating a C_3–C_4 hydrocarbon stream, admixing this heated C_3–C_4 hydrocarbon stream with a previously vaporized and heated naphtha and subjecting the mixture to a thermal cracking treatment, separating the thermal conversion effluent into at least a C_3–C_4 hydrocarbon fraction, a light gasoline fraction and a heavier gasoline fraction, and recycling the C_3–C_4 fraction into the original C_3–C_4 hydrocarbon stream; subjecting the said heavier gasoline fraction to a catalytic cracking treatment under aromatizing conditions, separating the catalytic conversion effluent into at least a C_3–C_4 hydrocarbon fraction and a gasoline fraction of high aromatic content, and recycling the latter C_3–C_4 hydrocarbon fraction into the original C_3–C_4 hydrocarbon stream.



2,381,467
APPARATUS FOR BURNING OFF GLASSWARE
Harold R. Schutz, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 13, 1942, Serial No. 454,636
12 Claims. (Cl. 49—50)

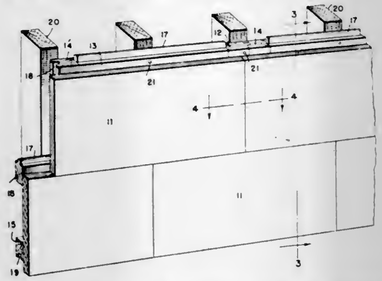


4. Apparatus of the character described, comprising a holder for supporting a glass article and moil integral therewith in superposed relationship, a ring-type burner spaced from and in axial alignment with the holder, a support for the burner, said support being nonrotative about the axis of the holder, means for moving the burner support axially including a ring encircling said support near its lower end and mounted for oscillation thereabout, means securing the ring against axial movement, and cam and roller connection between said ring and burner support.

2,381,468
PROCESS OF MAKING EXTRUDED POWDER
Charles Earnest Silk, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
No Drawing. Application January 6, 1941, Serial No. 373,312
10 Claims. (Cl. 52—22)

1. In the art of making explosives, the process which comprises replacing the water in a water-wet powder base with an alcohol, replacing the alcohol in said powder base with benzene so that the liquid content of the mixture consists of at least about 90% benzene, gelatinizing said powder base by incorporating in the mixture a volatile substantially water-immiscible solvent therefor, extruding the gelatinized powder base into grains, and thereafter removing the volatile constituents from said grains by distillation in an aqueous salt solution.

2,381,469
BUILDING PANEL
Carroll V. Sweet, Madison, Wis.; dedicated to the free use of the People in the territory of the United States
Application August 21, 1943, Serial No. 499,507
4 Claims. (Cl. 20—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A panel structure comprising: a rectangular-shaped panel, a pair of cleats of similar thickness secured thereto at adjacent edges of the panel on the backside thereof and offset outwardly from the edges of the panel a fractional distance of the width of the cleats, a second pair of cleats of similar thickness secured at the remaining adjacent edges of the panel on the backside thereof and offset inwardly the same distance, one pair of cleats being provided with tongues on the outer edges and the other pair with mating grooves.

2,381,470
PRODUCTION OF ORGANIC COMPOUNDS CONTAINING NITROGEN
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application November 13, 1940, Serial No. 365,561
12 Claims. (Cl. 260—464)

1. In the production of amines and nitriles, the improvement which comprises passing a mixture of an olefine and ammonia through a bed of catalyst selectively promoting the amination reaction at a temperature substantially within the range of 450° F. to 750° F. under a pressure of at least substantially 500 pounds per square inch.

2,381,471
PRODUCTION OF ORGANIC COMPOUNDS CONTAINING NITROGEN
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application November 13, 1940, Serial No. 365,562
10 Claims. (Cl. 260—464)

1. In the production of amines and nitriles, the improvement which comprises suspending in contact with ammonia and an olefine and in finely divided form a catalyst selectively promoting amination, and subjecting the resulting mixture to a temperature substantially within the range of 450° F. to 750° F. and a pressure of at least substantially 500 pounds per square inch.

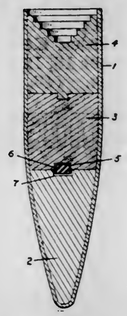
2,381,472
PRODUCTION OF ORGANIC COMPOUNDS CONTAINING NITROGEN
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application November 13, 1940, Serial No. 365,564
13 Claims. (Cl. 260—464)

1. In the production of amines, nitriles and acid amides, the improvement which comprises subjecting a mixture of an olefine, ammonia and water to the action of a catalyst selectively promoting the amination reaction at a temperature substantially within the range of 450° F. to 750° F. under a pressure of at least substantially 500 pounds per square inch.

2,381,473
CATALYST
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 29, 1943, Serial No. 489,087
4 Claims. (Cl. 260—464)

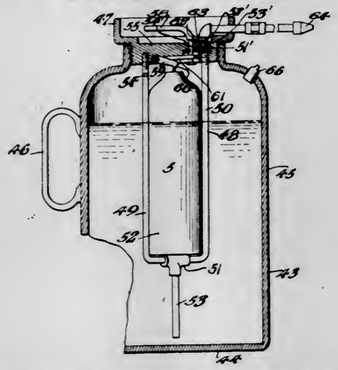
1. In the production of organic compounds containing nitrogen wherein an olefinic hydrocarbon is reacted with ammonia at an elevated temperature and pressure in the presence of a catalyst comprising cobalt suspended on a carrier, the improvement which comprises promoting the suspended cobalt catalyst by the presence of manganous oxide.

2,381,474
TRACER BULLET
Norman K. Turnbull, Pitman, N. J.
Application July 16, 1942, Serial No. 451,193
5 Claims. (Cl. 102—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



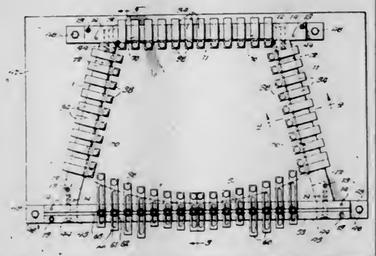
1. In a tracer projectile comprising a main body portion, a tracer composition, an element of explosive substance adjacent the inner end of the tracer composition remote from the point of ignition thereof, and an element in said main body portion forward of said explosive substance comprising a fixed, gas-impervious surface whereby to provide a reaction thrust relative to the remnants of said tracer charge on initiation of said explosive substance by said tracer composition to expel said remnants from said body portion.

2,381,475
APPARATUS FOR MAKING CELLULAR MASSES
Radcliffe Morris Urquhart, Montgomeryville, Pa. Application June 21, 1940, Serial No. 341,938, which is a division of application Serial No. 144,885, May 26, 1937. Divided and this application January 15, 1943, Serial No. 472,520
4 Claims. (Cl. 261—76)



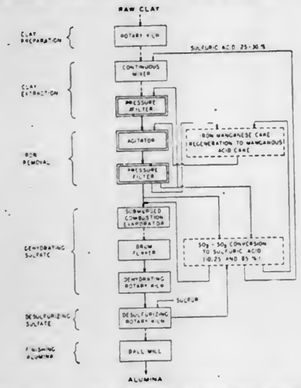
1. Portable apparatus for making a cellular mass comprising a main container for holding a foam forming liquid and having a removable cap; foam forming means suspended in said main container from said cap and comprising a mixing chamber, a liquid inlet conduit discharging into said mixing chamber, a gas inlet conduit for supplying a gas to said mixing chamber and a foam discharge conduit connected to said mixing chamber and extending through said top to deliver foam outside of said main container; a supplementary container, for retaining a quantity of compressed gas, carried on said foam forming means; and means for releasing said gas from said supplementary container into said main container to cause said liquid and said gas to flow through said mixing chamber to form foam and discharge it under influence of the pressure of said released gas.

2,381,476
PERFORATING APPARATUS
George F. Wales, Kenmore, N. Y.
Application September 18, 1942, Serial No. 458,833
55 Claims. (Cl. 164—90)



42. Apparatus for simultaneously forming a large number of perforations arranged in a long row, said apparatus including a frame having a lower rail adapted to be supported by the bed of a press and an upper rail arranged in spaced relation to said lower rail, said upper rail having a cross sectional shape for resisting bending of the same due to its own weight, a plurality of perforating devices, each including a pair of holders, one adapted to be secured to the lower rail, and the other adapted to be secured to the upper rail, one of said holders supporting a die at a side of said frame and the other holder supporting a punch at the same side of said frame, and means for securing said holders to said rails in position with the die and punch of each pair in axial alinement with each other.

2,381,477
PRODUCTION OF ALUMINA
John H. Walthall, near Sheffield, Ala., assignor to Tennessee Valley Authority, a corporation of the United States of America
Application May 21, 1942, Serial No. 443,940
5 Claims. (Cl. 23—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

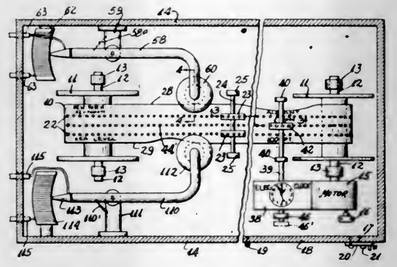


1. A cyclic process for the production of alumina from siliceous aluminiferous material which comprises (*a*) intimately mixing a stream of dehydrated siliceous aluminiferous material and a stream of aqueous sulfuric acid derived at least in part from operation (*g*) of the process defined herein, and containing a small proportion of aluminum sulfate, at a temperature and for a time sufficient to extract substantially all of the aluminum from said material and form a mixture of the dissolved aluminum sulfate substantially free from dissolved silica and a siliceous residue, (*b*) separating the impure aluminum sulfate solution so formed from said siliceous residue, (*c*) adding to said impure aluminum sulfate solution a sufficient quantity of manganous acid to precipitate the iron therein as an iron-manganese complex, (*d*) separating the aluminum sulfate solution so purified from said iron-manganese complex, (*e*) washing said iron-manganese complex with water to produce a more dilute aqueous solution of aluminum sulfate substantially free from iron, (*f*) dehydrating and desulfurizing said purified aluminum sulfate solution to produce alumina and oxides of sulfur, and (*g*) oxidizing and absorbing said oxides of sulfur in said more dilute aluminum sulfate solution produced in operation (*e*) of the process defined herein to produce sulfuric acid containing a small proportion of aluminum sulfate.

2,381,478
AUTOMATIC AIRPLANE SAFETY RAISING AND GUIDING DEVICE
Arnold Zukor, New York, N. Y.
Application September 10, 1942, Serial No. 457,822
6 Claims. (Cl. 172—282)

1. An automatic airplane raising and guiding device having a tape which flexes so that it may

be wound and unwound from spools and which is rigid transversely with the contour of one side shaped to correspond with the altitude flying requirements of a plane between certain points and the contour of its other side shaped to correspond with the theoretically ideal course between the two points which may or may not be in a straight line, time controlled means for driving the tape in proportion to the flying schedule of the airplane, means for automatically controlling the elevators of said airplane from the altitude control side of said tape, and means for automatically controlling the rudder of said airplane from the course side of said tape, said first means, comprising a pivotally mounted lever having a roller at one end engaging the altitude control side of

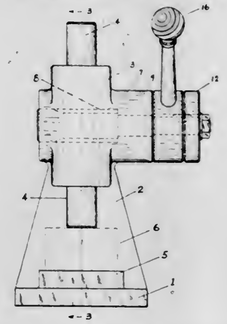


said tape, a rheostat, a metallic tip formed on the other end of said lever and engaging said rheostat to move across said rheostat as said arm is pivoted in one direction or the other by said tape, a master control circuit including a master control switch of an electric motor connected with the plane's elevators, a solenoid for throwing said control switch in one direction or the other for reversing the flow of current through the electric motor to rotate said motor in one direction or the other and move said elevators up or down, and an electric circuit including said tip, rheostat, solenoid and source of power for energizing or de-energizing said solenoid to influence the movements of said master control switch.

2,381,479
METHOD OF PROVIDING MATTE SURFACES UPON GLASS
Frederick W. Adams, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 13, 1943, Serial No. 479,061
2 Claims. (Cl. 41—42)

2. A method of etching a glass surface in order to form a matte finish thereupon, which comprises spreading upon the surface a layer of powdered inert material comprising small particles each of which has an individual coating of an inert plastic cohesive substance, cohering the coatings of the particles at their points of contact with each other and further adhering the particles containing the surface of the glass at the points of contact therewith to mask the points of contact but leave the area between points of contact free and to provide a porous fluid permeable layer above the surface, then applying an etching agent to permeate the resultant porous layer and to etch the unprotected portions of the glass surface between the adherent particles and subsequently removing the layer and cleaning the surface.

2,381,480
CLAMP
Martin L. Albrecht and Johann George Birn, Cincinnati, Ohio, assignors to F. W. Brehmer Machine & Tool Co., Cincinnati, Ohio, a corporation of Ohio
Application April 15, 1944, Serial No. 531,265
3 Claims. (Cl. 192—8)

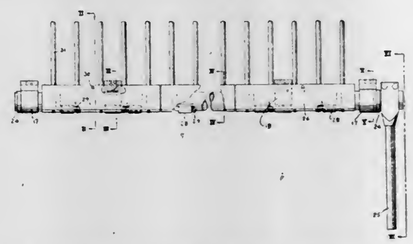


1. A locking device for a rotatable shaft comprising a bushing having a threaded neck fixedly mounted on said shaft, a nut mounted for limited rotary movement on said threaded neck, a manually adjustable handle associated with said nut, and a spring actuated dog mounted in said nut in a position radially spaced from the axis of said shaft.

2,381,481
HYDROCARBON CONVERSIONS AND CATALYSTS THEREFOR
John A. Anderson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 12, 1942, Serial No. 454,567
12 Claims. (Cl. 260—683.15)

1. The process which comprises converting normally gaseous hydrocarbons to normally liquid products in the presence of a catalyst prepared by treating an alumina gel with a complex fluoric acid.

2,381,482
BOBBIN LIFTING APPARATUS
Clarence M. Asbill, Jr., La Grange, Ga., assignor to Monarch Mills, Union, S. C., a corporation of South Carolina
Application January 6, 1945, Serial No. 571,608
13 Claims. (Cl. 57—52)



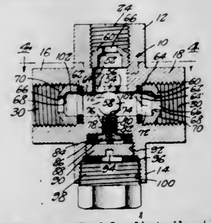
1. A device for use in a textile machine, which contains a plurality of spindles arranged in a row, for releasing the frictional grip of yarn packages on their respective spindles, which comprises a member extending lengthwise of the row of spin-

dles and mounted on the machine for rotational movement, a second member extending lengthwise of the row of spindles and mounted on the first member for rotational movement relative thereto, lifter means on the second member engageable with individual packages on the spindles on movement of the first member in one direction, and means for moving the first member about its axis, such movement in one direction causing said lifter means to engage and release the yarn packages from their spindles, the second member moving relatively to the first as the releasing operation progresses.

2,381,483
CHLOR BENZYL XANTHATES
Edward S. Blake and Kenneth L. Godfrey, Nitro, W. Va., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application June 17, 1944, Serial No. 540,890. Divided and this application June 28, 1944, Serial No. 542,606
6 Claims. (Cl. 260—455)

1. The composition comprising a chlorbenzyl ester of a xanthic acid.

2,381,484
HYDRAULIC SAFETY VALVE
Rudolph H. Blank, Treadwell, N. Y.
Application February 2, 1943, Serial No. 474,457
1 Claim. (Cl. 251—118)



In a valve for a fluid distributing system, a body having an elongated cylindrical chamber centrally thereof and co-axial with an outlet passage at each end, said body also having an inlet passage perpendicular to the medial portion of the chamber, a partition fixed in the inner end of the inlet passage having a pair of transversely spaced inlet ports the diameter of each of said ports being appreciably less than the smallest diameter of the inlet passage or either of the outlet passages, a ball valve mounted in the passage and normally disposed in substantially sealing contact with the partition between its ports, an adjustable spring pressed member having a concaved inner end resiliently engaging the ball to releasably hold the same in its normal center position, a seat in each outlet passage adapted to receive the ball valve upon reduction of pressure in the respective passage, and compressed resilient means for holding the valve in either of its seated positions to close one of said outlet passages there being a rounded annular part on each of said means slightly projecting into each of said outlet passages.

2,381,485
CUTTING TOOL
George S. Chapman, Dedham, Mass.
Application October 31, 1942, Serial No. 464,021
6 Claims. (Cl. 29—102)

1. A cutting tool comprising a relatively small cutting member having an arcuate cutting edge, a holder bar having a recessed portion at one end for receiving said cutting member, said recessed portion including a longitudinal surface having a round hole formed therein, means for preventing lateral displacement of the cutting member in the holder including a cylindrical hub portion



on the underside of the cutting member shaped to fit said hole in said recessed portion of the holder, said cylindrical hub being concentric with said arcuate cutting edge, and a clamping member engaging with the holder bar and the top of the cutting member to removably clamp the cutting tool upon the holder.

2,381,486
FLOOR COVERING DRYING OIL VEHICLE AND PROCESS THEREFOR
Samuel A. Cohen, Berkeley, Charles D. Thurmond, El Cerrito, and Lee S. Read, Piedmont, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 3, 1942, Serial No. 433,156
3 Claims. (Cl. 260—101)

1. A relatively non-viscous felt base floor covering print paint vehicle comprising the products resulting from the reaction of the following substances in parts by weight:

Soy-beam oil	About five hundred seventy-six (576)
Rosin	About one hundred eighty (180)
Maleic anhydride	About forty (40)
Monoglyceride formed by the reaction of about eighty-one (81) parts by weight of soy-bean oil and nineteen (19) parts by weight of glycerol	About one hundred seventy-four (174)

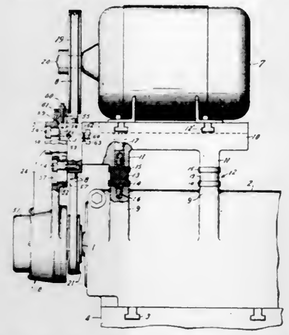
2,381,487
FORMATION OF FIRE-RETARDANT AND WATER-REPELLENT FINISHES
Alton A. Cook, Glen Ridge, and Ernest B. Whitworth, Hillside, N. J., assignors to Arkansas Company, Inc., Newark, N. J., a corporation of New York
No Drawing. Application March 26, 1942, Serial No. 436,336
6 Claims. (Cl. 106—15)

1. A stable bath for rendering fibrous material fire-retardant and water-repellent, which includes a water solution of alkali borate, a water-soluble aliphatic carboxylic acid having at least one hydroxyl group, and an emulsion of a water-repellent composition.

2,381,488
ROTARY SPINDLE DRIVE
Walter Coulson, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application April 1, 1942, Serial No. 437,205
6 Claims. (Cl. 74—216.5)

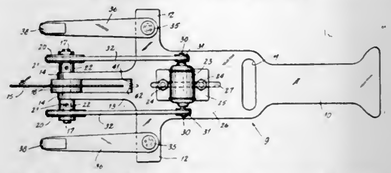
1. A rotary spindle drive comprising, in combination, a spindle bracket having a spindle

journaled therein, a drive motor having a drive shaft parallel to said spindle and having a base plate attached to the top of said spindle bracket, a plurality of rubber cushioning devices for connecting said base plate to said bracket and operable to absorb motor vibration, a depending arm removably secured to said base plate for adjustment horizontally and vertically crosswise of the spindle axis, a sleeve journaled in the lower end



of said arm in substantially coaxial relation to said spindle, alined pulleys removably secured to said drive shaft and said sleeve, an extension shaft on said spindle projecting into one end of said sleeve with an annular clearance to permit independent lateral movement of said sleeve, and a resilient torque coupling secured to the outer end of said sleeve for rotation therewith and having an axially separable key-drive connection with the outer end of said extension shaft.

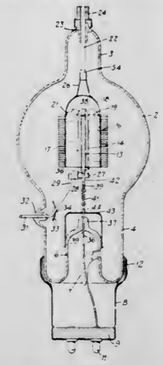
2,381,489
CARCASS SAW
Douglas Dietz, Smithton, Ill.
Application September 13, 1943, Serial No. 502,103
6 Claims. (Cl. 17—23)



1. In a saw of the class described, the combination of a frame member including a hand hold, a body portion, lateral guide supporting arms and a yoke, of a saw journalled for rotation in the yoke, a motor supported by the body portion operatively connected with the saw, laterally adjustable guide arms mounted on said supporting arms extending forwardly substantially parallel with opposite faces of the saw, and curved guide members supported at the extremity of said arms and adapted to serve as means for guiding the saw and to prevent lateral deflection thereof.

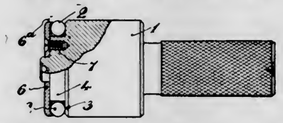
2,381,490
ELECTRONIC TUBE
William W. Eitel, San Bruno, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application July 13, 1942, Serial No. 450,755
1 Claim. (Cl. 250—27.5)

An electronic tube comprising an envelope having a reentrant stem at one end thereof, a hollow plate in the envelope having an open end facing the stem, means interposed between the plate and stem for shielding the stem against heat and electron bombardment from the open end of the plate, a cap on the other end of the



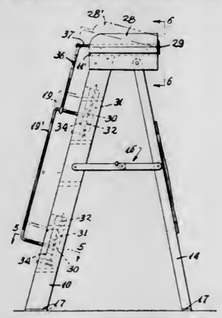
plate, a lead sealed to the envelope, means supporting the plate on said lead, a cathode adjacent the plate, and leads for the cathode sealed to the stem.

2,381,491
MEANS FOR GUIDING GAUGES
John Thomas Emmerton, Birmingham, England, assignor, by mesne assignments, to British Timken Limited, Aston, Birmingham, England, a company of Great Britain
Application March 30, 1942, Serial No. 436,790
In Great Britain August 4, 1941
12 Claims. (Cl. 33—178)



1. A gauge comprising a body part, an annular shoulder around an end of the body part forming a race, a plurality of freely-movable balls engaging the said shoulder, and retaining means for maintaining the balls in engagement with the shoulder, the said balls forming a lead for guiding the body part relative to a part to be tested.

2,381,492
STEPLADDER
Gladys Marguerite Fenner, Cleveland, Ohio
Application May 25, 1944, Serial No. 537,207
6 Claims. (Cl. 228—17)



1. A step ladder, comprising a pair of side rails, and steps mounted between said side rails, and the top step being relatively larger to form the

top of the ladder, support legs pivotally connected with said top step, means for holding said support legs in extended positions, and a tray-like member mounted on said top step, said tray-like member being hingedly connected at its back on said top step, and means for holding said tray-like member in various hinged positions, including a link connected with said tray-like member, a hand rail adjustably mounted on one of the side rails of said ladder and connected with said link.

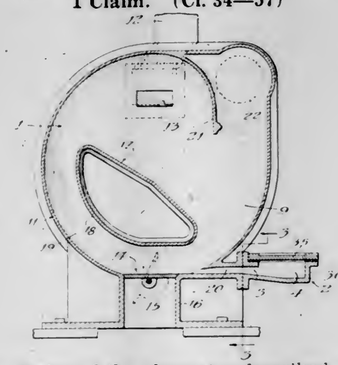
2,381,493

MEANS FOR ROASTING COFFEE OR THE LIKE

Wesley R. Goldfine, Chicago, Ill., assignor to Airoast Corporation, Chicago, Ill., a corporation of Delaware

Original application January 2, 1941, Serial No. 372,710, now Patent No. 2,348,066, dated May 2, 1944. Divided and this application February 18, 1943, Serial No. 476,281

1 Claim. (Cl. 34—57)



In a device of the character described, a housing having side walls and a curvilinear outer wall disposed about a horizontal axis, a substantially segment shaped baffle extending transversely between said side walls and having its arcuate portion disposed in spaced relation to the adjacent portion of said curvilinear wall to define therewith a substantially uniform area passageway extending across the bottom of the housing and thence upwardly to terminate approximately midway between the bottom and top of the housing, the flat portion of said segment shaped baffle being inclined at an angle of approximately 30° from a horizontal plane, said housing having an elongated horizontally disposed air inlet opening disposed below the lower end of said segment shaped baffle to direct a flat stream of air through said passageway and along the inner side of said curvilinear outer wall, the side wall of said housing having a material charging inlet disposed above the inclined flat surface of said baffle, said housing having a material discharge passage leading from the lower portion of said curvilinear wall, valve means disposed in said material discharge passage and having its upper side conforming to the contour of said curvilinear outer wall, an arcuate partition forming part of and extending downwardly from the upper portion of said curvilinear wall and terminating in spaced relation to the lower end of said segment shaped baffle, side wall of said housing having a hot air outlet disposed at its upper end on the opposite side of said arcuate partition from said material charging inlet, a conduit leading from said hot air outlet to said hot air inlet, heating means provided in said hot air conduit, and blower means provided in said hot air conduit.

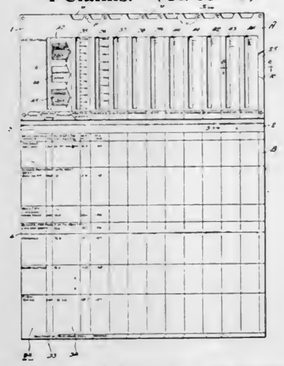
2,381,494

INDICATING INSTRUMENT

Capron R. Gulbransen, Wilmette, Ill., assignor to National Live Stock and Meat Board, Chicago, Ill., a corporation of Illinois

Application November 5, 1943, Serial No. 509,117

4 Claims. (Cl. 35—1)



1. In a device of the class described, a compound scale for use in totaling the food constituent values of food items, said compound scale including front and back members secured together along opposite edges, the front member having a plurality of laterally spaced parallel respectively different slots, a slide member between the front and back members movable in a direction at right angles to the length of the slots and being provided with a plurality of colored areas adapted to register with the slots to designate predetermined maximum and minimum limits of food items and also provided with indicia designative of different conditions of use of the items, the colored areas being differently positioned upon the slide with respect to indicia constituting the designation of a particular set of conditions, whereby to vary the amounts indicated, the indication of said amounts being given by the lengthwise position of the slide with respect to the slots, slides between said front member and said slide member movable lengthwise of the slots to cover and expose portions of the colored areas of the said slide member in register with said slots, and scales with respect to which said slides are movable to total the various constituents of the various items.

2,381,495

PROCESS FOR TREATING PLASTIC COMPOSITIONS

Frank W. Hall, Brackenridge, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application March 26, 1941, Serial No. 385,309

4 Claims. (Cl. 154—2)

1. A method of forming an abrasion-resistant surface of uniform thickness upon a body comprising a thick, stiff layer of plastic of relatively low abrasion resistance and having a non-planar surface, which method comprises coating a thin flat relatively flexible sheet of plastic capable of adhering to said body with a thin film of plastic, which can be polymerized into a hardened infusible abrasion resistance state, said film being in an intermediate state of polymerization, shaping said sheet to the contours of said non-planar surface, adhering the sheet to the surface with the film facing outwardly and hardening the film in situ.

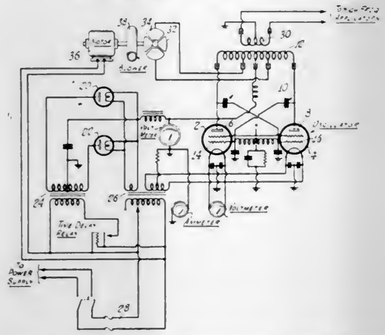
2,381,496

METHOD OF GENERATING CURRENTS FOR NONSIGNALING PURPOSES

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 10, 1942, Serial No. 461,541

4 Claims. (Cl. 250—36)



1. The method of generating high frequency radio currents for diathermy, heating and similar non-signaling uses without producing substantial interference in a predetermined communication channel which includes the following steps, generating high frequency wave energy, shifting the frequency of the generated wave energy back and forth through a range of frequencies which includes the band of frequencies wherein the signals used in said communication channel appear and is at least twice as great as the frequency band covered by the signals used in said communication channel and translating said generated and frequency shifted wave energy to the point of utilization whereby no substantial amount of disturbance is caused by said generated and shifted high frequency currents in said communication channel.

2,381,497

ANTIFRICTION ALLOY

Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind, a corporation of Delaware

No Drawing. Application February 4, 1942, Serial No. 429,503

3 Claims. (Cl. 75—163)

1. A copper base alloy containing 1 to 35% lead and .01 to 10% of metal selected from the group consisting of uranium and thorium.

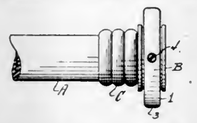
2,381,498

HANDWHEEL FOR LAWN HOSE COUPLINGS

Sigmund I. Iverson, Minneapolis, Minn.

Application September 13, 1943, Serial No. 502,223

1 Claim. (Cl. 285—75)



A detachable hand gripping wheel for mounting on the coupling collar of a hose, comprising an annular body having an internal diameter slightly larger than the outer diameter of the coupling collar and having radially disposed bores therethrough and arranged in equidistantly spaced relation to each other, set screws threaded in said bores for securing the body in surrounding relation to the collar, said body being of one piece formation and relatively thick to extend a considerable distance radially of the collar and the outer periphery of the body being of uninterrupted annular contour to provide a convenient hand gripping surface, said outer periphery having transversely rounded outer edges and the inner periphery of the body being transversely flat throughout the width thereof, said screws having conical inner ends and kerfed outer ends, and the opposite sides of the body having circumferentially disposed grooves therein between the bores.

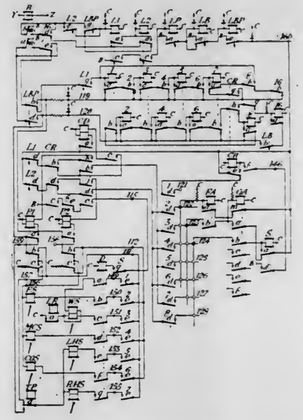
2,381,499

SELECTIVE RECEIVER FOR REMOTE CONTROL SYSTEMS

Arthur P. Jackel, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

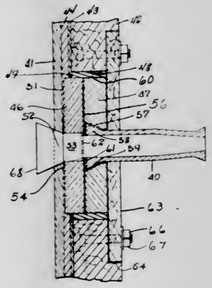
Original application July 31, 1943, Serial No. 496,907. Divided and this application September 15, 1944, Serial No. 554,199

9 Claims. (Cl. 177—353)



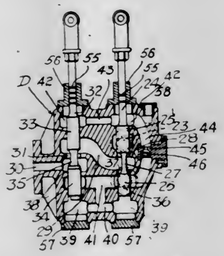
1. In a remote control system, a line relay operable alternately to a normal and to a reverse position for selected time intervals, two register relays, two timing relays controlled by said line relay, one of which is adapted to release if the line relay remains in its reverse position and the other to release if the line relay remains in its normal position for more than a predetermined time interval, pick-up and stick circuits for one register relay closed in response to the operation of said line relay to reverse and to normal, respectively, said pick-up circuit including a back contact of said one timing relay, and said stick circuit including a normal contact of the line relay, pick-up and stick circuits for the other register relay closed in response to the operation of said line relay to normal and to reverse, respectively, said pick-up circuit including a back contact of the other timing relay, and said stick circuit including a reverse contact of the line relay, a series of relays of the stick polar type, and circuits for energizing said polar relays one at a time in response to successive operations of said line relay, the circuits for alternate relays of said series including pole changing contacts of said one register relay and a normal contact of the line relay, those for the intervening relays of the series including pole changing contacts of the other register relay and a reverse contact of the line relay.

2,381,500
DRAIN STRUCTURE
Percy E. Knudsen and Lewis G. Diera, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application November 19, 1943, Serial No. 510,932
8 Claims. (Cl. 206—2)



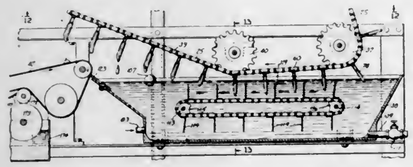
1. In combination a container for corrosive liquids including an inner lining of plate glass, an outer reinforcing shell spaced therefrom, the space between the two being filled with a corrosion-resistant packing material, said inner lining being formed with a drain opening and the reinforcing shell having an opening of larger diameter registering with the drain opening, a drain structure including a glass base plate contiguous to the lining about the opening in the lining and being embedded in the packing material and carrying an outwardly-projecting drain-pipe and clamping means engaging the base plate and being secured to the reinforcing shell by means of through bolts.

2,381,501
FLUID CONTROL VALVE
Max T. Knutzen, Dundas, Ontario, Canada, assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada, a company of Canada
Application May 7, 1943, Serial No. 485,963
14 Claims. (Cl. 277—57)



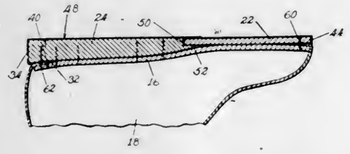
1. A packingless fluid control valve comprising a casing having a fluid inlet and outlet, a valve plunger controlling the flow of fluid therethrough and having a part thereof projected through an upper portion of the casing, for operating connections, fluid drainage means in the upper portion of the valve communicating with said plunger to drain leakage fluid to the outlet and means operable by the pressure of discharging fluid passing through the valve, for isolating the upper portion of the valve from the pressure of said discharging fluid.

2,381,502
COATING MACHINE
Rudolph C. Lang, New York, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application July 9, 1940, Serial No. 344,548
30 Claims. (Cl. 91—2)



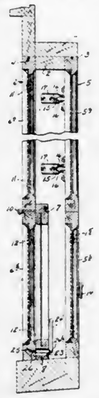
1. In combination a travelling carrier having a substantially horizontal run, icing bars fixedly supported on said carrier and each having a plurality of sets of pins adapted to grip and hold between them articles to be coated, said pins extending from the bar at right angles to its direction of travel, means for inserting an article to be coated between the pins of each set, means for coating the articles held by the pins, a roller fixed in the path of travel of the coated articles on the said horizontal run adapted to engage and wipe off the excess coating material that collects at the lower edges of the articles, and means for rotating the roller so that its upper surface moves counter to the direction of travel of the articles.

2,381,503
METHOD OF MAKING PLATFORM SHOES
William P. Le Rette, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 5, 1942, Serial No. 460,732
4 Claims. (Cl. 12—142)



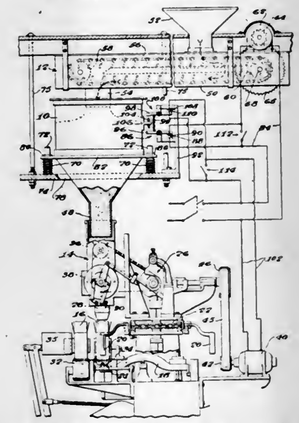
1. That improvement in methods of making platform shoes which consists in providing an upper having heel nad waist portions and a forepart, attaching a covering strip to the lower margins of the heel and waist portions only of the upper, assembling the upper and the attached covering strip with an insole on a last, lasting the shoe and securing the margin of the upper together with the attached portions of the covering strip to the insole, laying upon the bottom of the shoe a forepart platform member having an edge binding thereon and gaging the location of said member lengthwise of the shoe from the toe end of the shoe, laying an unbound rear part platfrom member upon the bottom of the shoe and gaging the location of said member lengthwise of the shoe from the heel end of the shoe, laying said covering strip over the edge and securing it to the lower side of said rear part thereby securing said member to the shoe, securing said forepart platform member to the upper and to said rear part platform member, and securing an outsole to said platform members.

2,381,504
AIR LOCKED WINDOW
Joseph B. Liberty, Royal Oak, Mich.
Application February 29, 1944, Serial No. 524,470
5 Claims. (Cl. 160—91)



3. In a window structure, a frame formed along its sides and across its top with inturned recesses constituting inner and outer seats, lower portions of the outer seats having inwardly offset portions constituting auxiliary seats, inner and outer sashes fitted into said frame and engaged in said seats, and a screen in said frame engaged in the auxiliary seat and removably held therein by the outer sash.

2,381,505
PACKAGING MACHINE
Arthur W. Lindholm, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application April 4, 1940, Serial No. 327,755. Divided and this application May 27, 1942, Serial No. 444,624
11 Claims. (Cl. 222—56)

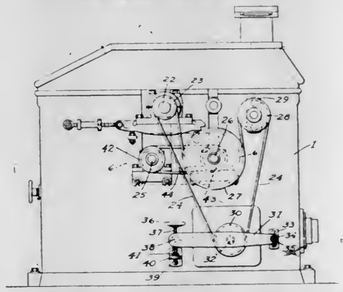


1. A packaging machine having in combination, material feeding means, a supply hopper to which material is fed by said feeding means, a conduit leading downwardly from the supply hopper and through which material may fall by gravity, means for forming successive loads of the material withdrawn from the supply hopper through said conduit, and control means for maintaining a substantially constant amount of material in said supply hopper whereby to effect a substantially uniform gravitational flow of material from said feeding means, said control means including means for terminating the delivery of material to the supply hopper when the latter becomes filled in excess of a predetermined amount and means for terminating the operation of the load forming means when the hopper becomes depleted below a predetermined and less amount of material.

2,381,506
SOLVENT COMPOSITION
Clarence M. Loane, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 26, 1941, Serial No. 390,588
5 Claims. (Cl. 252—364)

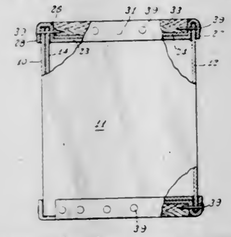
1. A solvent composition comprising approximately 50% of a naphtha boiling within the approximate range of 275° F. and 375° F. and having an aniline point of about 140° F., and approximately 50% of an oxidized dimer of isobutylene, said composition having an aniline point of about 10° F.

2,381,507
MACHINE FOR SHELLING RICE AND OTHER GRAINS
Eloir Polite Miller, El Campo, Tex.
Application July 29, 1944, Serial No. 547,166
1 Claim. (Cl. 83—35)



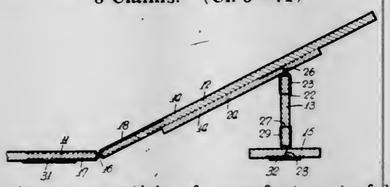
In apparatus of the type described, the combination of a pair of spaced rollers, a slowly running grain-carrying belt of resilient material mounted on the rollers and to which the whole grain is delivered, a high velocity shelling roller having a hard and toothed surface mounted in closely spaced relation above the belt and above the one of said rollers over which grain is discharged, said shelling roller rotating in an opposite direction from the one said belt-carrying roller, to differentially rub and shell grain between the surfaces of the belt and the shelling roller, a shaft, drive receiving means mounted fast on one end of the shaft, said shelling roller being mounted fast to a mid-portion of the shaft, a small diameter driving pulley mounted at the other end of the shaft, a plurality of additional pulleys, a drive belt travelling over said pulleys, one of said pulleys being of a relatively large diameter and directly coupled to the other of the pair of spaced rollers so as to slowly drive the grain carrying belt, a small diameter pulley mounted fast to the large pulley, a second small pulley of similar size mounted fast to the other of the spaced pair of rollers, a second belt passing over said small pulleys, said second belt tending to keep a relatively constant rotational speed as between the pair of spaced rollers, and counteracting the tendency of the grain carrying belt to speed up due to the high speed movement of the grain over the slowly running grain carrying belt.

2,381,508
SHIPPING CONTAINER
George Arlington Moore, New York, N. Y., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application September 24, 1943, Serial No. 503,717
2 Claims. (Cl. 229—43)



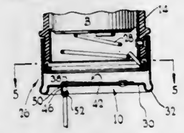
1. A container having an open ended rectangular body formed from a single blank of fibrous material scored to provide five panels two of which overlap to form one side wall of double thickness at least in part, an inner cover made from fibrous material and having a rectangular panel fitting closely in the body and set in from the end thereof, said cover having inner flanges contacting two opposite inner walls and extending to the edges thereof and outer flanges joined to the edges of the inner flanges and lying against the outside of the two opposite walls, an outer cover made from fibrous material and having a rectangular panel fitting closely in the body and overlying the inner cover, said outer cover having two inner flanges disposed against the inside of the other two opposite walls and two outer flanges lying against the outside of said other two walls, waterproof sealing compound coating and sealing the contacting edges and surfaces of said body and covers, a filler of a thickness substantially equal to the height of said inner flanges and fitting therebetween, and means for securing said flanges, body and filler together to close the end of the body.

2,381,509
COMBINATION FOLDING ORTHOPEDIC AND RECLINING BEDBOARD
Frank R. Muenzen, New Rochelle, N. Y.
Application December 28, 1943, Serial No. 515,908
8 Claims. (Cl. 5—71)



2. As a new article of manufacture, a folding bed board adapted for insertion between the springs and mattress of a bed and comprising a main section and a second section hinged together, said second section having a supporting unit hinged thereto on its underside intermediate its ends and including a vertical member connected pivotally along its upper edge to said reclining section and a base member connected pivotally to its lower edge, said supporting unit being adapted to swing automatically into supporting position when said second section is raised, friction means mounted on the underside of the main section for frictionally engaging a supporting surface, and friction means mounted on the underside of said base member for engaging said supporting surface.

2,381,510
PORTABLE FLASHLIGHT
Bernard Francis Muldoon, Caldwell, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Original application February 8, 1941, Serial No. 377,983. Divided and this application February 9, 1943, Serial No. 475,256
4 Claims. (Cl. 240—10.6)

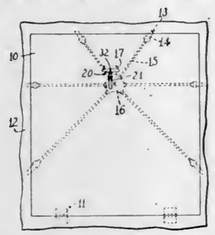


1. For use with a flashlight having a wall, a suspension member for the flashlight, said member having a journal about which it is rotatable and portions lying to both sides of the axis of revolution of said journal, a bearing in which said journal is rotatable, means attached to said wall at one side thereof and supporting said bearing at the other side thereof for movement of said bearing towards and away from said wall, said means being resilient to bias the bearing towards said wall, one of the portions of said suspension member which is located at one side of said journal being so proportioned as to slidably bear against said wall.

2,381,511
PLASTICIZED CELLULOSE ESTER
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 4, 1941, Serial No. 413,645
4 Claims. (Cl. 106—179)

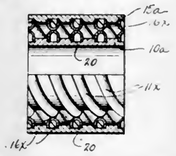
1. A cellulose ester plasticized with an ester of one molecular equivalent of a polyglycol and two molecular equivalents of an acid half-ester of a saturated monohydric alcohol and carbonic acid.

2,381,512
LOCK FOR AIRPLANE DOORS OR THE LIKE
Samuel Oxhandler, Flushing, N. Y., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application May 24, 1943, Serial No. 488,110
5 Claims. (Cl. 292—39)



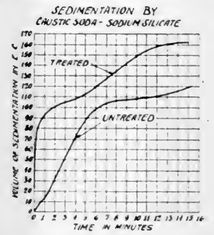
1. Door-latching mechanism comprising bolt means, a bolt actuator mounted on the door and connected to said bolt means to actuate the latter, a handle movably mounted on the door and operatively connected to said actuator, said door being provided with a recess in its outer face in which said handle may be depressed to lie substantially flush with the face of the door, said handle being pivotally mounted on the door, means for latching said handle in depressed position, and spring means for moving said handle from such position upon release of said latching means, said actuator comprising a member rotatably mounted on the door, said handle connection thereto comprising a rotatable plate member abutting the actuator and having a pin-and-slot connection therewith, and a toothed element carried by said handle and engaged with said plate member.

2,381,513
JOURNAL BEARING
Elmer O. Pearson, Seattle, Wash.
Application August 7, 1943, Serial No. 497,752
1 Claim. (Cl. 308—240)



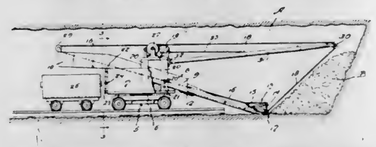
A bearing of the character described comprising a journal box having a journal bearing formed interiorly with a succession of spaced spirally directed ribs, a shaft contained in the journal box for rotation without endwise movement and having a journal surface formed with a succession of spaced spirally directed ribs in bearing contact with and crossing those of the journal box; said journal box and said journal surface of the shaft being formed with spirally directed grooves of opposite pitch and said ribs comprising metal strips bent longitudinally to a U-shape in cross section with the longitudinal edges of the strips seated in the grooves and the rounded edges of the ribs thus formed in the box and on the shaft being in bearing contact.

2,381,514
SETTLING OF PHOSPHATE ORE MATERIALS
Donald S. Phelps, Harvard, Mass., assignor to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware
Application October 13, 1942, Serial No. 461,886
7 Claims. (Cl. 209—5)



1. In a process for improving the recovery of phosphate ore material for subsequent concentration of phosphate values therefrom that is in the form of an aqueous pulp comprising a suspension of intermixed phosphate mineral and impurities in divided form as a result of hydraulically mining phosphate ore rock and screening out the large pieces of phosphate rock, said pulp having a content of said phosphate minerals and impurities of less than forty per cent, and the said suspension of said phosphate minerals and impurities being such that the major part of said phosphate mineral and impurities is not recoverable by natural settling within the first two minutes of settling time, the steps of feeding the pulp to a settling tank immediately after screening out the large pieces of phosphate rock and not later than the time the pulp is received in the settling tank accelerating the settling of phosphate mineral and impurities by producing and maintaining the pulp in an alkalin condition and adding a deflocculating or dispersing agent thereto, to more than double the volume of settled material, as compared with material not so treated, at the end of one minute of settling time following the time at which the pulp is allowed to commence settling, allowing said treated pulp to remain in the settling tank for a relatively short period of time sufficient to provide substantially accelerated settling of phosphate mineral and impurities within not more than substantially ten minutes immediately following the time the pulp is received in the settling tank, to thus provide a settled product which upon withdrawal from the tank represents a substantially increased recovery of the intermixed phosphate mineral and impurities as compared with settling of untreated material in substantially the same time, collecting the settled product from the settling tank and then for the first time subjecting the same to concentration treatment for recovery of phosphate values therefrom.

2,381,515
MINE CAR LOADER
Dallas W. Poston, Kimberly, Nev.
Application September 13, 1943, Serial No. 502,172
2 Claims. (Cl. 214—110)

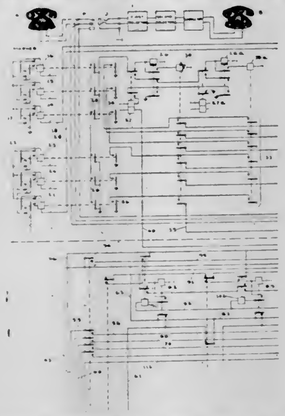


1. In a mine car loader, a portable conveyance including a turntable supporting a body, a ramp extending longitudinally of the body and projecting forwardly and rearwardly therefrom, means for adjusting the front and rear ends of the ramp on the body, a scraper for gathering materials longitudinally and moving said materials over the ramp from front to rear thereof, and a compensating power means carried by the body and connected to the scraper for moving the latter in opposite directions in working relation to the ramp in all adjusted working positions of the ramp.

2,381,516
RELAY TYPE KEY SENDER
Winfred T. Powell, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application October 16, 1943, Serial No. 506,604
8 Claims. (Cl. 179—27)

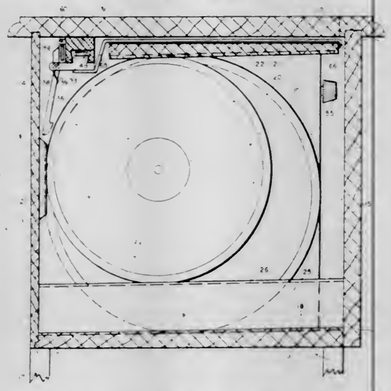
1. In an automatic telephone system, a plurality of telephone lines, a plurality of switching devices selectively operated in response to several groups of impulses to interconnect said lines, an impulse circuit over which impulses are transmitted to said switching devices, register means comprising a plurality of selectively operated units for storing therein the several digits corresponding to a given selecting condition, impulse generating means including a polarized relay, means including a chain of counting relays successively associated with the units of said register and being arranged to count groups of impulses generated by said generating means, the number of impulses in the several groups corresponding to the digits stored in the respective storing

units, and means including said chain of relays for governing the transmission of groups of impulses over said impulse circuit, the number of



transmitted impulses in each group corresponding respectively to the number of impulses counted in each group by said relay chain.

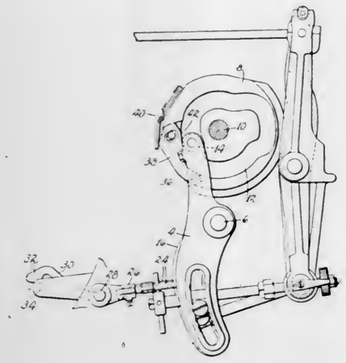
2,381,517
PHONOGRAPH DISK RECORD CABINET
Wilbur H. Price, Cleveland, Ohio
Application October 8, 1941, Serial No. 414,170
8 Claims. (Cl. 312—19)



1. In a device of the character described, a cabinet for holding disk records, said cabinet including means for holding records of various sizes, and means for ejecting said records and comprising a belt operated carrier having a kicker bar pivoted thereto.

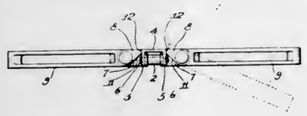
2,381,518
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 13, 1944, Serial No. 553,892
In Great Britain October 5, 1943
8 Claims. (Cl. 12—14)

1. In a lasting machine, wipers movable to wipe the marginal portion of an upper about the toe end of a last inwardly over an insole on the last, automatic power-operated means for thus operating the wipers and for thereafter retracting them from the shoe, and means for changing the limits of the retractive movements of the wipers



by control of said power-operated means while maintaining the limits of their wiping movements unchanged.

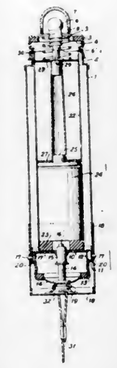
2,381,519
FLIGHT AND LINK CONNECTOR
John D. Russell, Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 28, 1942, Serial No. 452,653
6 Claims. (Cl. 198—176)



1. In a chain conveyor, the combination comprising a chain and flights projecting outwardly from the opposite side of said chain, each of said flights having a bifurcated end to provide legs for attaching said flight to said chain, and means for pivotally connecting said legs to said chain, each of said legs having its bottom edge thereof cut away to provide a relatively narrow end for abutting against said chain above said pivot, whereby said flight is free to slope downwardly from said chain but movement thereof above a horizontal plane is prevented.

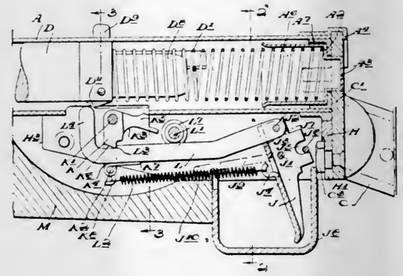
2,381,520
ELECTRIC TORCH WHICH FLOATS LAMP UPPERMOST IN WATER
Charles Wallace Saunders, Bramley, England, assignor to The General Electric Company Limited, London, England
Application May 24, 1943, Serial No. 488,164
In Great Britain June 3, 1942
15 Claims. (Cl. 9—8.3)

1. An electric torch comprising a water tight tubular casing including a deformable portion, a lamp socket and lamp mounted at one end of said casing, a battery mounted at the other end of said casing, a rigid conducting spacing member disposed between the lamp and battery within the casing and of a length to ensure that the torch will float in water with the lamp end uppermost, and switch means adapted to be operated through said deformable portion of the



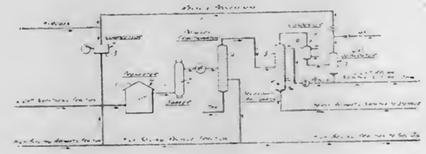
casing and to urge the battery and conducting spacing member towards the lamp.

2,381,521
TRIGGER MECHANISM
Reginald Vernon Shepherd and Harold John Turpin, London, England
Application September 9, 1942, Serial No. 457,792
In Great Britain April 17, 1941
2 Claims. (Cl. 42—3)



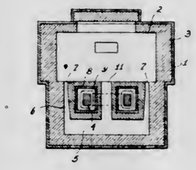
1. In an automatic firearm having a bolt which reciprocates automatically on firing, a trigger mechanism comprising a trigger, a pivoted sear having one arm for holding the bolt in the cocked position and a projection on the other arm, an actuating lever, a notch in said lever arranged to engage said projection, said lever being pivoted at its rear end on the trigger so that operation of the trigger causes said lever to move forwardly to rotate the sear through the medium of said projection and notch and release the bolt, a bell-crank lever mounted on said other arm of the sear, one arm of the bell crank lever being arranged to engage said actuating lever, a spring connected between the other arm of the bell-crank lever and the trigger so that the first-mentioned arm of the bell-crank lever exerts pressure on said actuating lever to force said notch into contact with said projection, a lug on the bolt, and selecting means which can be operated to move said actuating lever into a position where it is struck by said lug to disengage said notch and projection against the action of said bell-crank lever and thus release the sear.

2,381,522
HYDROCARBON CONVERSION PROCESS
Meredith Marvin Stewart, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 31, 1944, Serial No. 528,830
2 Claims. (Cl. 196—50)



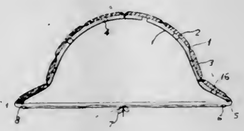
1. A process for the production of aromatic hydrocarbons of motor fuel range from gas oil produced by cracking mineral oil, said gas oil containing in substantial amount, polycyclic aromatic hydrocarbons having a condensed structure of at least 3 rings, which comprises passing said gas oil through a conversion zone, introducing to said zone cyclic paraffin and olefin hydrocarbons having 6 carbon atom rings, providing in the resulting reaction mixture during passage through the reaction zone 4 to 10 atomic weights of hydrogen per molecular weight of polycyclic aromatic hydrocarbons, maintaining the conversion zone at a temperature in the range 750 to 850° F. and under a pressure sufficient to maintain the feed hydrocarbons substantially in liquid phase, maintaining a hydrocarbon residence time within the conversion zone of about 2 to 3 hours, discharging products of reaction from the conversion zone, separating from said discharged products a gaseous fraction and a gasoline fraction rich in aromatic hydrocarbons and recycling said gas fraction at least in part to said conversion zone.

2,381,523
SUBMERGED RESISTOR TYPE INDUCTION FURNACE
Manuel Tama and Mario Tama, Morrisville, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J.
Original application December 31, 1943, Serial No. 516,518, now Patent No. 2,375,049, dated May 1, 1945. Divided and this application November 3, 1944, Serial No. 561,756
15 Claims. (Cl. 13—29)



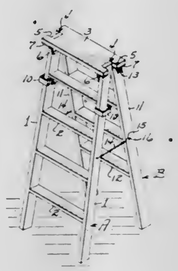
15. In a submerged resistor type induction furnace a secondary having a bottom portion and lateral portions connecting said bottom portion with the hearth, the bottom portion having a sufficiently large cross area to prevent at a given current density the deposition of non metallic components and to thereby maintain their suspension in the flow of the melt.

2,381,524
PROTECTIVE HEADGEAR
William Ivan Taylor, Spondon, near Derby, England, assignor to British Celanese Limited, London W., England, a company of Great Britain
Application December 16, 1942, Serial No. 469,177
In Great Britain December 18, 1941
10 Claims. (Cl. 2—7)



1. A protective helmet comprising an inner skin covered with an external layer of textile fabric spaced from said inner skin by means of a light and porous heat-insulating material, said insulating material including spacing pieces of substantially rigid material.

2,381,525
CONVERTIBLE LADDER
Alfred A. Thompson, Dayton, Ohio
Application August 3, 1943, Serial No. 497,189
2 Claims. (Cl. 228—25)

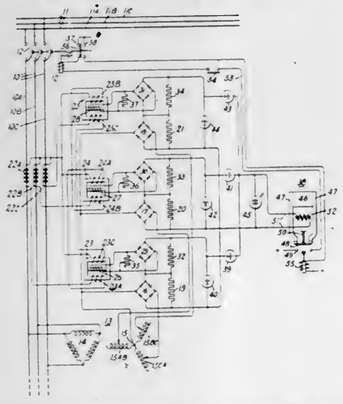


1. A ladder convertible to provide a stepladder or an extension ladder, and comprising a main section and an auxiliary section, each section including side rails having steps secured to and bridging the same, a platform secured to the upper ends of the main section side rails and having recesses in the ends between the front and rear edges thereof, means for removably and pivotally securing the upper ends of the auxiliary section side rails relative to the platform for use of the ladder as a stepladder, the lower ends of the side rails of the auxiliary section being receivable in the recesses in the platform when used as an extension ladder, looped members secured to the main section side rails to receive the auxiliary secton side rails for securing the same to the main section side rails in cooperation with the recesses when the ladder is used as an extension ladder, and each section having its side rails converging toward each other from the lower to the upper ends thereof for the lower portions of the auxiliary side rails to fit the outer faces of the upper portions of the main side rails and the edge walls of the recesses being similarly formed at an angle.

2,381,526
VULCANIZABLE POLYMERIZATION PRODUCTS
Monte C. Throdahl, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 4, 1943, Serial No. 474,689
6 Claims. (Cl. 260—36)

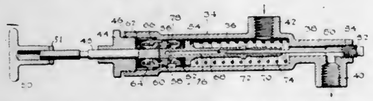
1. A composition comprising an unvulcanized rubber like polymer of a butadiene-1,3 compound and the condensation product of a ketone and a primary aliphatic amine.

2,381,527
PROTECTIVE APPARATUS
Oliver C. Traver, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application July 31, 1941, Serial No. 404,866
19 Claims. (Cl. 175—294)



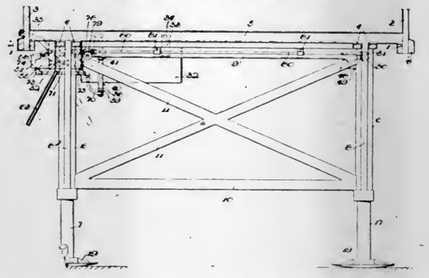
1. In an arrangement for controlling circuit-interrupting means in an electric circuit, the combination of means including a peaking transformer for deriving from said circuit a voltage having a wave form comprising spaced narrow peaks and respectively dependent upon an electrical quantity of said circuit, means for deriving a second voltage proportional to a different electrical quantity of said circuit, and means for controlling said circuit-interrupting means in accordance with the balance between said two voltages.

2,381,528
VALVE FOR HYDRAULIC CONTROL SYSTEMS
Henry C. Trich, Santa Monica, Calif., assignor to Hoof Products Company, Chicago, Ill., a corporation of Illinois
Application November 27, 1942, Serial No. 467,139
14 Claims. (Cl. 251—138)



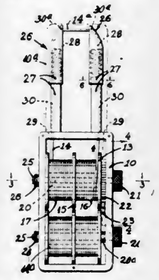
1. A time lag pressure control valve comprising a valve chamber having an inlet and an outlet normally and directly in communication through said chamber, an outlet control valve in said chamber having a passage therethrough to deliver fluid under pressure to the outlet, flow regulating means receivable in the passage, means for moving said valve relative to said flow regulating means to close the outlet and permitting a predetermined rate of flow through the passage, means for moving said valve to open the outlet, and a pressure controlled dash-pot operatively associated with said valve and releasable upon flow of fluid under pressure through the valve passage to the outlet to retard return movement of said valve from its outlet closing position.

2,381,529
VEHICLE LANDING GEAR
Durward E. Willis, Tampa, Fla.
Application November 16, 1944, Serial No. 563,766
5 Claims. (Cl. 254—86)



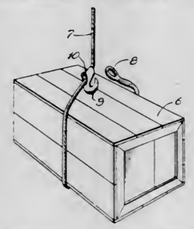
1. Hydraulic landing gear apparatus for vehicles which comprises a pair of hydraulic cylinders depending substantially vertically from and rigidly attached to the vehicle body one near each side thereof, each of said cylinders terminating a substantial distance above the ground and having individually extensible rams carrying ground engaging means, a reservoir for operating fluid, suction lines from said reservoir to each of said cylinders, a valve for the suction line of each cylinder whereby each ram can be moved independently between retracted and ground-engaging positions, pump means having a suction connection to said reservoir, and pressure lines connecting said pump means to each cylinder whereby the rams can be pumped further out of the cylinders after the suction line valves are closed.

2,381,530
SANITARY DENTAL FLOSS HOLDER
Joseph E. Dembenski, New York, N. Y.
Application May 25, 1944, Serial No. 537,248
4 Claims. (Cl. 132—92)



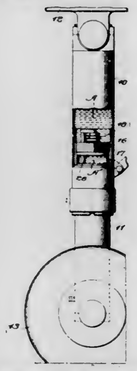
4. A sanitary dental floss holder, comprising a casing for a dental floss drum, a drum for dental floss mounted in said casing and having a new section for new dental floss and a used section for receiving used dental floss, and a pair of spaced fingers projecting from said casing and having passages for holding a web of said dental floss as it extends from said new drum section to said used drum section, said fingers being constructed of separate telescopically engaged sections and resilient means for extending said sections, each of said fingers, comprising a solid section formed integrally with said casing and an outer tubular section slidably engaging said inner section and having a closed outer end, said resilient means for extending said sections, comprising an expansion spring mounted in the tubular sections of each of said fingers and operating between the ends of said solid sections and the adjacent faces of the closed ends of said tubular sections.

2,381,531
CARGO SLING HOOK
Leslie G. Ehmann, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application April 12, 1944, Serial No. 530,587
5 Claims. (Cl. 294—74)



1. In a hook provided with a passage at one end of a hook portion to receive a rope or cable whereon the hook is slidable, a squeezing channel which opens into said passage, said squeezing channel having side walls which converge away from said passage and being substantially deeper at one of its ends than at the other end thereof, said squeezing channel being in a position relative to said hook portion such that the weight of the hook, when free, normally biases said rope or cable into the deep end thereof.

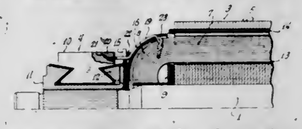
2,381,532
SHOCK ABSORBER
Nevin S. Focht, Syracuse, N. Y.
Application March 27, 1943, Serial No. 480,819
5 Claims. (Cl. 267—64)



1. A shock absorber comprising a pair of members movable relative to each other by imposition upon the shock absorber of a force to be resisted, said shock absorber including a liquid containing chamber, a combined liquid-receiving and compressed-air-containing chamber and a wall between said chambers having an orifice for outlet of liquid from said liquid-containing chamber to

said combined chamber, said members being effective when moved relative to each other by imposition upon the shock absorber of a force to be resisted to subject the liquid in said liquid-containing chamber to pressure and to force it therefrom through said orifice into said combined chamber thereby to compress the air in the latter, a metering pin of different cross sectional areas at different points along its length disposed in said orifice for longitudinal movement with respect thereto to vary the effective area thereof, yieldable means tending constantly to move said metering pin outwardly relative to said liquid-containing chamber, a cylinder containing air at substantially atmospheric pressure, said metering pin being exposed to the pressure of the liquid and the air in said combined chamber and including a plunger fixed with respect thereto and disposed in said cylinder whereby it is movable inwardly relative to said liquid-containing chamber by the pressure of the liquid and the compressed air in said combined chamber, thus to assume positions affording different predetermined effective orifice areas for different relative positions of said members and the corresponding liquid and air pressures as long as said orifice does not become choked with liquid and quickly to assume a position affording a large effective orifice area for relief of the liquid pressure in the event of a sudden increase of the liquid pressure so great as to cause choking of said orifice.

2,381,533
MOTOR ARMATURE
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1943, Serial No. 516,203
5 Claims. (Cl. 171—206)



1. A motor armature of the character described comprising, a shaft, a core and a commutator fixed on the said shaft in axially spaced relation, coils wound on the core in slots therein and having their loop-shaped end portions beyond the opposite ends of the core, the loop-shaped end portions of the coils at the commutator occupying the space between the commutator and the core, leads from the last mentioned loop-shaped end portions of the coils extending across said space to the commutator and secured to the selected bars or segments thereof, and means supported in the space between the commutator and the core in enclosing relation to the loop-shaped end portions of the coils in said space and supporting the leads with their intermediate portions free to yield to the vibrations incident to armature operation.

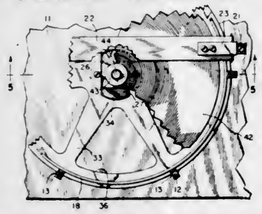
2,381,534
BOMB PROTECTOR
George J. Frederick, Portsmouth, Ohio
Application October 7, 1943, Serial No. 505,345
2 Claims. (Cl. 114—14)

1. In a wire mesh bomb-shield for water craft, a plurality of supporting standards rising vertically from points on the deck midway between the sides of the vessel, a plurality of supports extending out horizontally from the sides of the hull of the vessel, plates at the tops of the vertical supports having upturned perforated ears, guide rods having flanges and mounted to extend through the ears, springs about the guide rods abutting the flanges and ears to resiliently mount the same, the mesh shield extending from



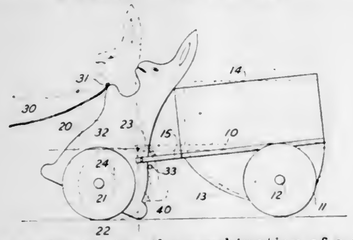
the vertical supports to the horizontal supports, and cables attached to each of the guide rods and extending diagonally and crossing each other and attached to the outer ends of the horizontal supports for supporting the shield, said cables being woven into the mesh of the shield.

2,381,535
TAPE REEL
Wilbur R. Gemmel, Wheaton, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 29, 1943, Serial No. 496,531
8 Claims. (Cl. 242—68)



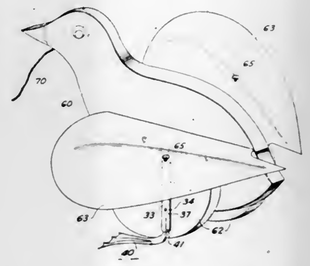
1. In combination, in a tape reel, a hub, a pair of parallel spaced supports secured to said hub displaced angularly to each other, and a disc having a central opening having a peripheral contour corresponding to and slightly larger than the peripheral contour of said supports, said disc being secured to one of said supports to support one width of tape but detachable therefrom and securable to the other of said supports to support a second width of tape.

2,381,536
TOY
Nettie Florence Grusenmeyer, San Francisco, Calif.
Application January 15, 1944, Serial No. 518,333
3 Claims. (Cl. 46—101)



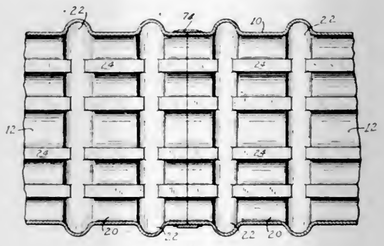
1. In a wheeled toy the combination of a wagon body having a tongue, wheels beneath said body, a vertical member pivotally connected to said tongue on a horizontal axis, roller means supporting said vertical member, said roller means being mounted on an axle set forward of a vertical line dropped from said pivotal connection, and a pull connection secured to said vertical member at a point above a horizontal line extended forward from said pivotal connection.

2,381,537
TOY
Nettie Florence Grusenmeyer, San Francisco, Calif.
Application January 15, 1944, Serial No. 518,334
1 Claim. (Cl. 46—105)



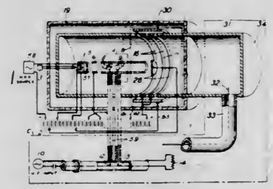
In a toy, the combination of a body member shaped like a bird; a pair of wheels rigidly secured to a common axle rotatably journaled in said member and supporting said body when it is rolled over a plane surface, each of said wheels having a stub shaft set in its outer face, the stub shaft on one wheel being substantially 180° offset radially from the other; a flexible continuous sheet member simulating a pair of wings secured to said body member and extending outwardly therefrom on each side over said wheels; a pair of upstanding generally cylindrical members, each simulating a leg of the bird, each cylindrical leg member having a flexible sheet member secured at its lower end so as to simulate a flapping web-foot, a connection at its upper end to the flexible sheet member simulating the wing, and a pivoting means part way up the leg to connect with the stub shaft on the wheel adjacent it; whereby, as the wheels rotate, one cylindrical leg member lifts its connected wing and web-foot and then flaps it down while the other leg member is doing the reverse, to simulate the bodily gyrations of a waddling type of short-legged bird.

2,381,538
MUFFLE
Henry H. Harris, Champaign, Ill.
Application July 3, 1942, Serial No. 449,643
4 Claims. (Cl. 263—47)



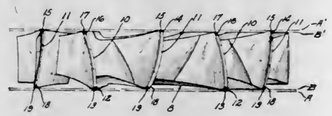
3. A muffle for use in a heat treating furnace and means to support same in spaced relation to the furnace floor, the muffle comprising an elongated casing having a plurality of lengthwise spaced-apart bulges extending circumferentially of the casing and outwardly therefrom, the casing also having a plurality of lines of bulges on the bottom thereof, the bulges being endwise spaced apart lengthwise of the casing and extending up into the interior thereof between the circumferential bulges, the circumferential bulges and the lengthwise bulges defining recesses to receive the casing supporting means.

2,381,539
ELECTRON DISCHARGE DEVICE
Ralph V. L. Hartley, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1941, Serial No. 385,629
30 Claims. (Cl. 315—5)



5. The method which consists in transferring direct current energy to a beam of electrons, rotating said beam at a wave radiation frequency such that the rotating path of the beam is the generatrix of a substantially plane surface, and utilizing the resulting waves radiated by the beam.

2,381,540
SIDE MILLING CUTTER
Bertrand D. Horth, Waterford, Wis., assignor to Aber Engineering Works Incorporated, Waterford, Wis., a corporation of Wisconsin
Application October 9, 1943, Serial No. 505,614
1 Claim. (Cl. 29—103)

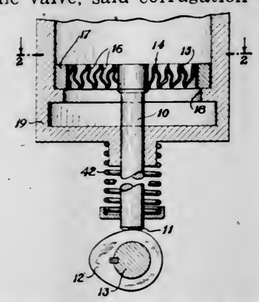


A circular milling cutter having cutting teeth on its periphery, cutting edges of said peripheral teeth being arcs, the arc of every other tooth being the arc of a circle whose center is positioned nearer to one side of the cutter than to the other, and the arc of each alternating tooth being the arc of a circle whose center is positioned nearer to the opposite side of the cutter so as to provide relatively flat arcs at the leading ends of the cutting edges, there also being a side cutting edge joining each end of each peripheral tooth and projecting laterally from the side of the cutter, the side cutting edge which joins the leading end of a peripheral tooth projecting slightly farther laterally than the side cutting edge which joins the opposite end and those cutting edges which project the farther alternating on each side of the cutter with those which project the lesser distance.

2,381,541
RESILIENT VALVE HEAD
Thomas J. Hoy, Newark, N. J.
Application May 5, 1941, Serial No. 391,843
16 Claims. (Cl. 251—27)

1. In a valve, in combination with a valve seat, a valve head formed of substantially rigid material having formed therein at least one corrugation and made flexible thereby, a strip of rigid material on said head, extending around the periphery thereof, said strip being firmly connected

to said corrugation and engaging said valve seat to close the valve, said corrugation constituting



the sole material between said strip and said stem.

2,381,542

COATED GLASS FIBER WINDOW SHADE

Charles S. Hyatt and Thomas J. Kerr, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio

Application December 2, 1940, Serial No. 368,209
4 Claims. (Cl. 154—46)



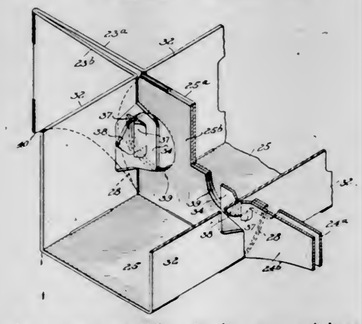
1. Window shade cloth comprising a plurality of glass fiber webs bonded together by a flexible adhesive coating composition, said composition being baked-on and consisting before baking of at least one film forming constituent selected from the group consisting of nitrocellulose, ethyl cellulose, cellulose acetate and cellulose acetate butyrate, pigment and plasticizer.

2,381,543

CARTON PARTITION MEANS

William H. Inman, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York

Application January 26, 1944, Serial No. 519,769
8 Claims. (Cl. 229—28)



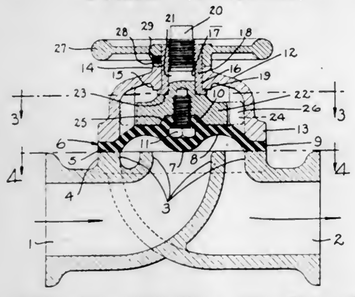
1. A carton partition device comprising a blank formed with longitudinal fold lines spaced from each other and from opposite margins of said blank to provide two side portions and an intermediate bottom portion, said blank having cuts therethrough at spaced parts of said fold lines and being formed also with transverse fold lines at the ends and intermediate portions of said cuts to provide opposite side portions adapted to buckle outwardly and bottom portions adapted to buckle upwardly, and cooperating elements on said buckling side and bottom portions arranged for engagement with each other by the erection of said blank, to hold said portions in buckled, cell-forming position.

2,381,544

DIAPHRAGM VALVE

Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York

Application October 4, 1943, Serial No. 504,828
1 Claim. (Cl. 251—24)



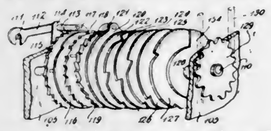
A valve for controlling the flow of liquid through a plurality of pipe portions presenting concentrically arranged flat surfaces at the valve seat, said valve including a bonnet having internal flutes, a flexible diaphragm for said valve, said diaphragm having a depending central spherical projection, and a flat backing member for the diaphragm, said member being provided with peripheral projections which extend into the spaces between the flutes of the bonnet said member being adapted to move toward and away from the seat of the valve in order to cause the diaphragm to close and open the openings in the pipe portions, the lower edges of the flutes being inclined downwardly and away from the backing member when the valve is in open position and cooperating with the flat portion of the backing member to form a seat for the diaphragm under valve-open conditions and permit the diaphragm to have an annular concave recess on the underside of the diaphragm, the surface of said recess merging into that of said central projection to guide the liquid flowing outwardly from the valve seat in all directions.

2,381,545

LAUNDRY MACHINE

James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, as trustee

Application November 24, 1941, Serial No. 420,242
11 Claims. (Cl. 192—139)



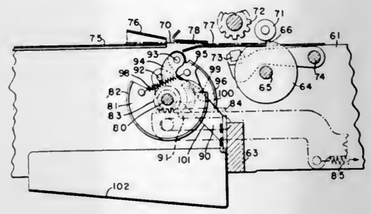
1. A timer comprising a rotating driver element, a cam disc arranged adjacent said driver element, a clutch control, a link connected to said clutch control mounted to have one part thereof arranged to bear against the periphery of the cam disc and a second part thereof adapted to be brought into engagement with said driver, means to rotate said cam disc, said second part being brought into engagement with and moved by said driver in response to disc rotation whereby the clutch control is moved by said link and driver and the force effecting such movement is not transmitted through said cam disc, means operable independently of the driver element and cam disc for holding the clutch control in moved position, and continued disc rotation effecting release of said holding means.

2,381,546

ACCOUNTING MACHINE

Walter J. Kreider, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 26, 1943, Serial No. 496,122
2 Claims. (Cl. 271—71)



1. In a device for ejecting and inverting record material, in combination with an oscillating means, a gripper finger pivotally mounted on said oscillating means, and a spring to force said finger against the oscillating means to grip record material to feed the record material when the means is oscillated, of a single element mounted adjacent the gripping finger, said single element having a cam for camming the finger away from the oscillating means preparatory to receiving record material, said element having a second cam for camming the finger away from the oscillating means to release the record material at a certain location, said element having a stripping means to positively strip the record material from the oscillating means after the finger is cammed by said second cam at said certain location.

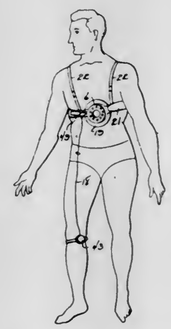
2,381,547

ELECTRICAL FIREARM

Floyd F. Leininger, Plant City, Fla.

Application December 6, 1941, Serial No. 422,003
6 Claims. (Cl. 42—1)

1. An electrical shooting device comprising a relatively flat firing unit, means for attaching the unit to the body of the user, electrically fired cartridges, means within each of the cartridges to provide a spark gap, chambered means included in the unit for holding the cartridges in firing position, insulated contact means within the unit and engaged with the spark gap providing means of each cartridge, a battery current supplying means, a switch having a plurality of contact elements each electrically connected with the respective insulated contact means, a movable switch arm successively engageable with each contact element, a resiliently extended push button and means operable upon actuation of said button to operate said switch arm, and means for completing the electrical circuit from said switch arm through said current supply means to said chambered means, whereby repeated actuation of the push button will successively fire the cartridges.

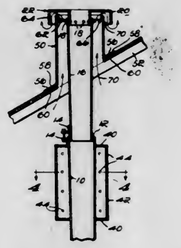


2,381,548

CHIMNEY CONSTRUCTION

Robert W. McLaughlin, Jr., Bedford Village, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware

Application April 29, 1942, Serial No. 440,918
2 Claims. (Cl. 98—46)



1. In a building construction of the character described, in combination, a chimney comprising a plurality of demountable flue sections, means for fastening said sections together in substantially end-to-end relation, means, including spaced rafters, providing a roof for said building, a chimney-supporting member, rectangular in cross-section, affixed to a plurality of said rafters and a chimney cap element affixed to the uppermost flue section and to two opposite walls of said supporting member whereby said chimney is entirely suspended from said roof, said cap element having a downwardly depending flange spaced from and positioned outwardly of the two walls of said supporting member to which said cap is not affixed, whereby there is provided a ventilating conduit, shielded from the weather, between said supporting member and the uppermost flue section.

2,381,549

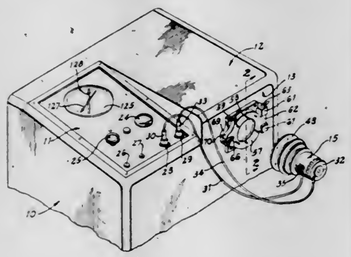
STARTER TESTER

Nelson Mabery, Glendale, Calif., assignor to Airplane Manufacturing & Supply Corporation, Glendale, Calif., a corporation of California

Application February 1, 1944, Serial No. 520,630
14 Claims. (Cl. 73—118)

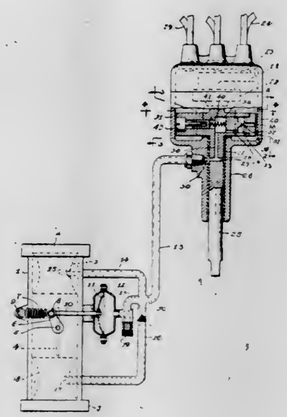
1. In a bi-directional torque-testing apparatus for testing devices such as aircraft starting mo-

tors having a stationary member and a movable torque member, the combination of: a stationary structure providing means for detachable connection with said stationary member of said device; a torque arm structure providing means for detachable connection with said movable torque member of said device; means for building up a



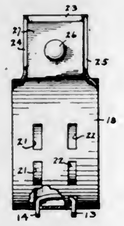
hydraulic pressure substantially proportional to the torque applied in either direction to said torque arm structure by said device, said means including a double-acting hydraulic unit operatively connected to said structures; and a pressure gauge connected to said hydraulic unit for indicating said hydraulic pressure.

2,381,550
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application November 25, 1942, Serial No. 466,961
33 Claims. (Cl. 123—103)



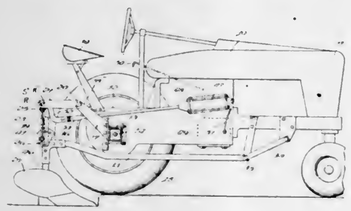
1. In an internal combustion engine having an intake passageway, a governor valve for controlling the flow of fluid through said passageway, a suction operated device connected to said governor valve, a conduit connecting the suction device into the intake passageway on the engine side of the said governor valve, and a second conduit connecting the suction device with atmosphere, the improvement comprising a centrifugally unbalanced valve arranged to revolve about an axis in accordance with the speed of the engine for controlling communication between the second conduit and atmosphere, said centrifugally unbalanced valve responding to an increase in centrifugal force and tending to close said second conduit to atmosphere against the suction in the intake passageway whenever the engine attains a predetermined speed whereby the suction device responds to move said governor valve toward closed position.

2,381,551
ADJUSTABLE END HOSE CLAMP
John Y. Morris, Columbus, Ind., assignor to Verner E. Sprouse and Ada Sprouse, a copartnership doing business as V. E. Sprouse Company, Columbus, Ind.
Application December 16, 1943, Serial No. 514,540
7 Claims. (Cl. 24—19)



1. A hose clamp comprising a band wrapped around upon itself and having a longitudinal slot therethrough; an ear outturned from one end of the band; a tongue forming the other end portion and entering said slot from the inner side of the band, whereby the inner face of the band may present substantially a true circumference of a circle; a pair of laterally spaced apart perpendicularly presented lugs on the free end of said tongue, outturned through said slot, and having notches entering on the ends removed from said tongue end; a clamp end having a curvature to fit around said wrapped band and having at least one pair of slots, one spaced laterally from the other and of sufficient length to receive said lugs therethrough and have the end edges of said slots engage within said lug notches; an ear on said clamp end initially spaced from said band ear; and a bolt through both of said ears as means to pull the ears toward each other to reduce the diameter of the clamp.

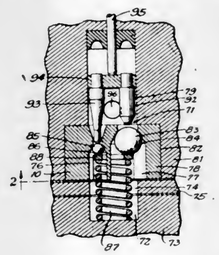
2,381,552
AGRICULTURAL IMPLEMENT
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 25, 1941, Serial No. 416,555
10 Claims. (Cl. 97—47)



1. In combination, a tractor, laterally spaced and laterally swingable supporting links depending from the tractor, a plow bottom, means for connecting the plow bottom to the tractor including a double crank element of which the cranks are spaced axially of such element and

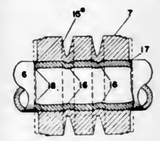
are disposed different radial directions therefrom, and said cranks being journaled respectively on depending portions of said links to cause tilting of said element pursuant to its rotation.

2,381,553
CONTROL VALVE FOR FLUID-OPERATED SYSTEMS
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 30, 1943, Serial No. 500,502
2 Claims. (Cl. 277—43)



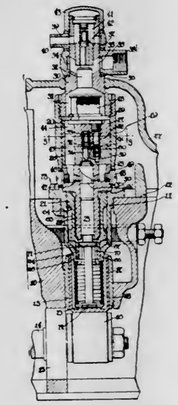
1. In a valve, a chamber having bores with parallel axes and each bore having a valve seat over which fluid is escapable when the seat is uncovered, the side walls of said chamber having arcuate recesses generated about an axis between and parallel with those of the bores and of a radius to cause the pitch line of said recesses to substantially intersect the bore axes, valve members respectively for said seats, and a helical spring disposed mutually in said bores and said recesses to yieldably urge both of the valve members against their seats.

2,381,554
COMPRESSION FITTING
Carl A. Norgren, Denver, Colo.
Application August 27, 1942, Serial No. 456,377
3 Claims. (Cl. 285—120)



1. In compression fittings, the combination with a tube of relatively ductile material which upon undue distortion tends to be changed in properties and thereby subject to fracture at or adjacent the fitting, of an encompassing sleeve in close engagement with the tube and means for compressing said sleeve longitudinally, said sleeve being relatively thick and having at least one radial groove extending sufficiently close to the inner surface of said sleeve so that the material of said sleeve beneath said groove will upon compression be forced into deforming engagement with said tube, but deformation of said tube will be insufficient to produce detrimental changes in the material of said tube, the material of said sleeve having a hardness greater than that of the tube so that the ends of said sleeve upon compression tend to be forced into said tube, the outer periphery of said sleeve and said compressing means having cooperating surfaces sloped so as to tend to force the ends of said sleeve into said tube, and the material of said sleeve also being sufficiently resilient so that upon any reduction of the compressive forces, said sleeve tends to return to its initial shape, thereby exerting continued resistance pressure against said compression means.

2,381,555
FUEL INJECTION PUMP
Raymond E. Peterson, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 2, 1941, Serial No. 413,269
19 Claims. (Cl. 103—41)

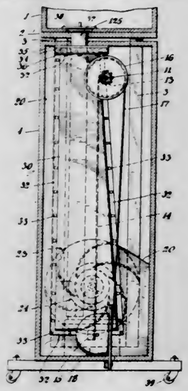


1. A fuel pump unit for Diesel injection pumps comprising a generally cylindrical casing, a uniform bore extending from the top of said casing and a second bore of smaller diameter extending from the termination of said bore to substantially the lower end of the casing, the different diameters of said bores forming a shoulder, a cylindrical control member disposed coaxially of and rotatively within the second bore, a cylinder having a flange head portion fitted in the largest bore against the shoulder at the bottom end of said bore, said cylinder having a sleeve portion depending downwardly within the control member and spaced from said member, said flanged head portion being provided with conduits for the delivery of fuel to the cylinder, an injection plunger mounted in said cylinder and extending downwardly through the lower end of the cylinder, a radially ported member mounted in the upper bore above the cylinder, means in coaxial threaded relation with the upper end of the bore for clamping said ported member and said cylinder rigidly in position, said casing having a side wall portion cut away to provide an opening adjacent to a port in said ported member, and an outlet conduit extending through said side wall opening and secured to said ported member communicating with the port therein.

2,381,556
CASSETTE
Frank T. Powers, Glen Cove, N. Y.
Application April 9, 1943, Serial No. 482,455
8 Claims. (Cl. 250—66)

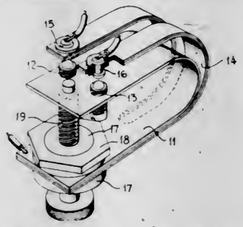
1. A cassette unit comprising in combination a carriage, said carriage comprising a housing, air eduction means within said housing, and elevator

means; and, a vacuum cassette supported by said elevator means for vertical movement relative to



said housing, said cassette communicating with said eduction means.

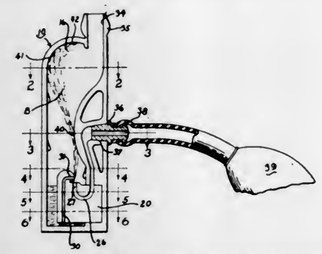
2,381,557
THERMOSTAT
William A. Ray, Los Angeles, Calif.
Original application May 14, 1940, Serial No. 335,085. Divided and this application April 19, 1943, Serial No. 483,545
6 Claims. (Cl. 200—138)



1. In a thermostat: a blade of bimetallic material mounted at one of its ends on said base, a resilient metallic arm so mounted at one of its ends on said base that its free end portion lies between the free end portion of said blade and the plane of said base and in spaced relation to the blade, said free end portion of the blade being bifurcated and carrying at its respective ends a first pair of electrical contact elements, a second pair of electrical contact elements carried by said free end portion of the arm and cooperable respectively with said first pair of contact elements, and means mounted on said base for so moving the free end portion of the arm as to adjust the relative operative positions of said contact elements.

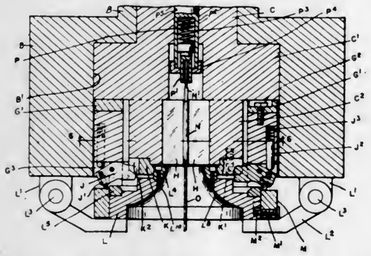
2,381,558
PLASTIC ATOMIZER
Gerard B. Robinson, Mount Gilead, Ohio
Application July 15, 1943, Serial No. 494,766
8 Claims. (Cl. 299—88.5)

1. An atomizer or nebulizer consisting of, a body having an elongated chamber therein that is substantially elliptical in transverse cross section, an atomizing head disposed in the lower portion of said chamber for directing fluid longitudinally through said chamber, said chamber having the wall portion thereof at one end of the elliptical shape thereof extending toward the center of the chamber and having a deflecting surface thereon positioned directly in the path of movement of the atomized liquid passing longitudinally through said chamber whereby to cause condensation of



heavy droplets of atomized liquid thereon, and a discharge opening for atomized vapor to discharge from said chamber positioned above said wall portion and on the same side of said elliptical chamber as said wall portion.

2,381,559
SWAGING MACHINE
Joseph M. Root, Detroit, Mich., assignor to Harold C. Johns, Virginia Johns, Walter E. Davison, and Leona Davison, copartners, doing business as Park Manufacturing Company, Detroit, Mich.
Application March 20, 1944, Serial No. 527,313
8 Claims. (Cl. 78—21)

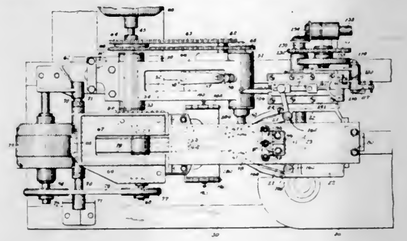


1. In a swaging machine, a rotating member having a transversely extending guideway thereon, swaging members slidable on said guideway on the opposite sides of the axis of rotation and movable radially outward from said axis by centrifugal action to form therebetween a space for receiving the work, a surrounding race member spaced from and concentric with said rotating member, an annular member in the space between said rotating member and race member provided with a series of spaced rounded inward projections, coupling means between said rotating member and annular member for causing the same to rotate at the same angular speed, and means operable during the rotation of said members for uncoupling said coupling means whereby said annular member will be frictionally retarded and the inward projections thereof will successively actuate said swaging members radially inward to swage the work therebetween.

2,381,560
FISH FILLETING MACHINE
Charles M. Savrda, Bay Shore, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
Application June 25, 1942, Serial No. 448,357
36 Claims. (Cl. 17—3)

1. In a fish filleting machine having upper and lower pairs of cutting knives to form incisions in

the back and belly side of the fish on opposite sides of the backbone as the fish advances tail foremost and back downward past said knives, a tail guide, means to hold said tail guide in position to press the fish downwardly onto said lower knives to cause said lower knives to make incisions extending upwardly to substantially meet



the incisions made by the upper knives for substantially completely severing the flesh from the backbone on each side, means to release the tail guide, and means to shift said tail guide out of the path of the fish as the ribs approach the knives, whereby the ribs pass between the pairs of knives without severance thereby.

2,381,561
POLYMERIZATION OF VINYL COMPOUNDS
Hanns Peter Staudinger, Ewell, Karl Heinrich Walter Tuerck, Banstead, and Cyril Alfred Brighton, Ewell, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a company of Great Britain
No Drawing. Application December 17, 1941, Serial No. 423,362. In Great Britain November 11, 1940
7 Claims. (Cl. 260—88)

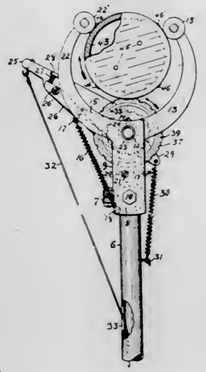
2. A process for the polymerization of a vinyl compound, which comprises polymerizing said vinyl compound in the liquid phase and in the presence of a catalyst consisting of a peroxide of an aldehyde containing not less than three and not more than four carbon atoms in the molecule and containing an olefinic double bond.

2,381,562
ISOMERIZATION OF PARAFFIN HYDRO-
Meredith M. Stewart, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 19, 1942, Serial No. 458,995
8 Claims. (Cl. 260—683.5)

1. A process of isomerizing paraffin hydrocarbons to increase the branching thereof which comprises contacting said hydrocarbons at isomerizing temperatures with a contact mass comprising a catalyst support comprising alumina having aluminum fluoride on its surface and impregnated with aluminum chloride.

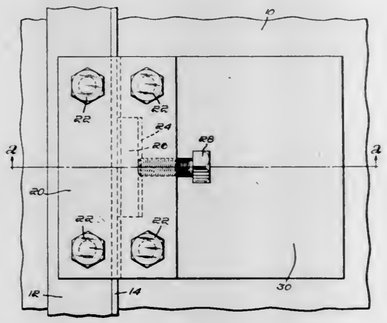
2,381,563
LAMP TUBE CHANGER
Asa O. Switzer, Melrose, Ohio
Application June 17, 1944, Serial No. 540,783
6 Claims. (Cl. 294—21)

5. In apparatus for replacing tubular lamps, two pairs of oppositely disposed relatively movable grapple arms provided with a supporting frame, tension means tending to hold the opposed arms in closed position, a driving member mounted in said frame for rotary movement provided with actuating means therefor, a pole, on one end of which said frame has support, and operating means on the opposite end portion of



the pole having operative connection with said actuating means, the arrangement being such that when a lamp is clasped against the driving member by said arms and said member is actuated, the lamp is turned upon its axis.

2,381,564
ADJUSTABLE STOP
Walter K. Taylor, Jersey City, N. J., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application February 26, 1942, Serial No. 432,475
2 Claims. (Cl. 143—174)

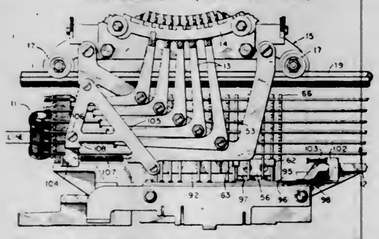


1. In combination, a work-receiving table, an abutment member affixed thereto and comprising an upright, substantially flat-surfaced, straight element formed of hard metal, and a stop adapted to be so affixed to said abutment as to withstand severe battering and comprising a hard metal element adapted to straddle said abutment, means providing a slot in said metal element for the reception of said abutment, means providing a recess in a wall of said slot, a plug of soft metal, having a higher coefficient of friction with respect to said abutment than does said slotted element, mounted slidably within said recess, means for forcing said plug into firm frictional engagement with said abutment, and sturdy shock-resistant means affixed to said hard metal stop and providing a work-engaging surface extending substantially parallel to the surface of said table, and perpendicularly from said abutment.

2,381,565
CHROMIUM RECOVERY
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application July 5, 1941, Serial No. 401,297
16 Claims. (Cl. 23—56)

1. The method of recovering chromium which comprises forming a charge comprising chromium-bearing material containing ferrous chromite and a basic compound of the group consisting of lime and magnesia capable of substituting for the ferrous oxide of the ferrous chromite to displace the ferrous oxide from chemical combination with the chromic oxide of the ferrous chromite and form an altered chromite, heating the charge to a temperature above 1200° C., and at least sufficiently high to cause sintering of constituents of the charge and to produce a product containing an altered chromite formed by substitution of the basic compound for ferrous oxide of the chromite of the original chromium-bearing material, digesting the altered or substituted chromite, in the presence of an oxygen-containing gas, in a hot aqueous solution of an alkali-metal compound from the class consisting of sodium hydroxide and soda ash with resultant production of a solid residue in which most of the chromium thereof still is in the form of chromite, and recovering said residue.

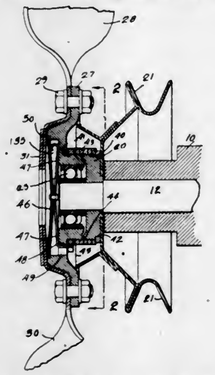
2,381,566
PRINTING TELEGRAPH APPARATUS
Howard M. Anderson, West Lafayette, Ind., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 5, 1944, Serial No. 534,250
9 Claims. (Cl. 178—25)



1. In a recorder, a stationary framework, a type carriage movable to form character spaces, a permutation device supported by said stationary framework comprising a plurality of selector vanes, means to perform functions other than recording including a plurality of function code bars adapted to be controlled directly by said vanes, a carriage return means controlled by one of said code bars, a line feed mechanism controlled by another of said code bars, a universal code bar, means for initiating the operations of said carriage return means and said line feed mechanism simultaneously, said means carrying pivotally thereon the carriage return code bar and the universal code bar, and instrumentalities integral with said last recited means and confronting said carriage return code bar and said universal bar whereby the selection of either of said last mentioned code bars will effectuate the operation of said last recited means independently of the other.

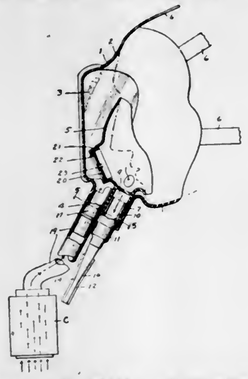
2,381,567
FAN CONSTRUCTION
Walter R. Bonham, Palo Alto, Calif.
Application April 4, 1944, Serial No. 529,529
3 Claims. (Cl. 230—271)

1. In a fan construction of the character described, a driving unit composed of a fan pulley, a hub, and a rotatable shaft, a driven unit composed of a fan and a shell, said driving and driven units being coaxially aligned, said driving hub having a convex cylindrical surface, said driven shell having a convex cylindrical surface, said



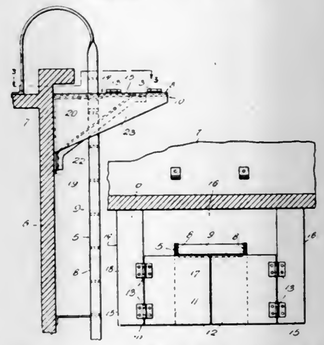
surfaces being aligned, a helical spring adapted to overlie said surfaces in declutched position and to engage said surfaces when in clutch position, and thermally responsive means mounted on said driven unit for urging said spring to full clutch or full declutched position.

2,381,568
GAS MASK
Leo Y. Booharin, San Francisco, Calif., assignor of one-half to Mark Cooney, San Francisco, Calif.
Application October 19, 1942, Serial No. 462,493
4 Claims. (Cl. 128—141)



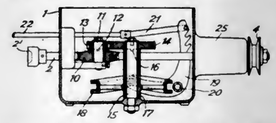
1. In a gas mask of the character described having an inner and an outer, generally concavely shaped facepiece disposed one within the other for separate sealing contact with a wearer's face along their face edges and to respectively cover the nose and mouth area of the face, and substantially the entire face area including the eyes, mouth and nose; eye openings formed in said outer facepiece having lenses fitted therein; a conduit for purified, atmospheric air communicating at one end with an air purifier and at its opposite end with the interior of said outer facepiece for admission of purified, atmospheric air into the space within said outer facepiece and over the sides of said lenses that face into said outer facepiece; an air inlet communicating between the spaces within the outer and inner facepieces; an exhaust air conduit communicating at one end with the interior of said inner facepiece and at its opposite end with the atmosphere outside said outer facepiece; a check valve in said air inlet adapted to admit purified atmospheric air into said inner facepiece from within said outer facepiece only upon inhalation by the wearer and to close said inlet upon exhalation, said exhaust conduit including a check valve adapted to open said conduit to discharge of air from within said inner facepiece upon exhalation of air from within said inner facepiece upon exhalation of air by the wearer and to close said conduit to flow of air therethrough upon inhalation; said exhaust conduit being divided at a point intermediate its length providing a pair to branched passageways respectively opening into said inner facepiece below each of the nostrils of a wearer when the mask is in position on the wearer's face.

2,381,569
RODENT GUARD
Jake Franklin Bowman, Houston, Tex.
Application September 27, 1944, Serial No. 556,012
9 Claims. (Cl. 228—1)



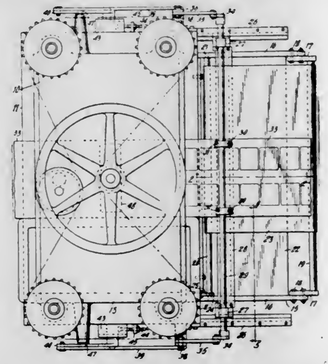
1. In combination with a ladder; a guard on said ladder projecting forwardly, rearwardly and laterally therefrom to prevent rodents from ascending said ladder, said guard including a passage in front of said ladder through which a person may pass, and a door normally closing said passage.

2,381,570
DRIVING ARRANGEMENT FOR THREAD GUIDES, PARTICULARLY FOR COP WINDING MACHINES
Albert Brügger, Horgen, Switzerland
Application December 14, 1942, Serial No. 469,034
In Switzerland November 13, 1941
8 Claims. (Cl. 242—46.2)



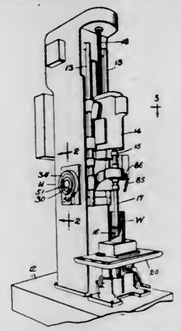
1. In a driving arrangement for a thread guide cooperating with a winding spindle, particularly for cop winding machines, the combination with a thread guide traversing disc rotatable on an axis at right angles to said spindle, a change speed gear drive, including detachably mounted reducing gears drivingly connected between said traversing disc and said winding spindle, of a worm gear operatively connected to said change speed gear drive and said spindle, and a rockable arm operably connected between said disc and the thread guides.

2,381,571
FEEDER FOR DIE PRESSES
Elmer E. Buchan, Chicago, Ill.
Application November 18, 1944, Serial No. 564,124
5 Claims. (Cl. 164—21)



1. The combination with a die cutting press, of an extension table, a belt carried by said table for receiving the work pieces after they pass through the press, reciprocable means coacting with the belt for gripping the work pieces, and means actuated by the machine for causing the gripping means to engage the work pieces and for reciprocating said means to advance the work pieces.

2,381,572
CONTROL MECHANISM FOR HONING MACHINES
Harry J. Caldwell, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application April 15, 1943, Serial No. 483,111
14 Claims. (Cl. 51—34)



1. The combination in a honing machine having tool and work supports one of which is reciprocable by power actuated means, of control mechanism for the power actuated means including, a shaft rocked in timed relation to the movements of the reciprocable support, a control member having a hub portion rotatably mounted on said shaft for movement between two alternate positions, said member being operative in one position to initiate movement of the reciprocable support in one direction and in the other position to initiate movement of the support in the opposite direction, a disk fixed on said shaft adjacent said control member, a pair of radially projecting dogs mounted on said disk, and a radially extending arm rigid with said control member having a finger projecting

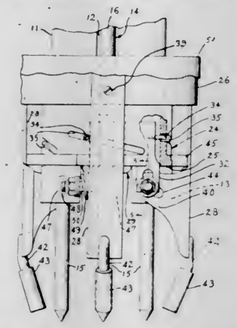
forwardly at one side of said disk for engagement by said dogs alternately whereby the member is shifted between its two positions, said dogs being adjustable with respect to each other to vary the range of reciprocation of the support.

2,381,573

LENS CHUCK

William P. Canning, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application January 29, 1942, Serial No. 428,713
9 Claims. (Cl. 51—277)



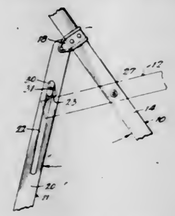
9. A device of the character described comprising a support having a plurality of contact members adjustably carried thereby for engaging the side surface of a lens and having a plurality of holding fingers adjustably carried thereby for engaging the edge surface of said lens and locking mechanism carried by said support and having adjustable binding portions associated with each of said respective contact members and each of said respective holding fingers and a unitary operable member having portions associated with said respective binding portions for simultaneously operating all of said binding portions to in turn lock all of said contact members and fingers in adjusted position by a single manipulation of said unitary operable member.

2,381,574

LOCKING DEVICE FOR FOLDING CHAIRS

Werner E. Clarin, Chicago, Ill., assignor of one-half to Abe J. Jacobson, Chicago, Ill.

Application May 6, 1943, Serial No. 485,819
4 Claims. (Cl. 155—142)



4. The combination of a pair of relatively movable supporting members, one of which has a slot formed therein and enlarged at one end to provide an offset shoulder, a third member pivoted on the other of said pair of members and shiftable relative to said one supporting member, and a block slidable in said slot and pivotally connected to a pin mounted on said third member whereby one end of said block is shiftable into and out of engagement with said shoulder when the opposite end of said block engages the adjacent end of said slot for releasably locking said members relative to each other.

2,381,575

ESTER-LINKED ACYLATED AMINOALCOHOLS AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,161. Divided and this application August 2, 1943, Serial No. 497,128
12 Claims. (Cl. 260—404)

1. A member of the class consisting of subresinous ester-linked acylated derivatives of a basic aminoalcohol of the following formula:

$$(R_2COO.C_nH_{2n})_m \diagdown N(T)_{m''} \diagup (OH.C_nH_{2n})_{m'}$$

in which R_2COO represents the acyloxy radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; T represents a member of the class consisting of hydrogen atoms and hydrocarbon radicals having not over 18 carbon atoms; n represents a small whole number which is less than 10; m represents a numeral varying from 1 to 3; m' represents a numeral varying from 0 to 2; and m'' represents a numeral varying from 0 to 2, with the proviso that $m+m'+m''=3$; the acyl radical substituted for a reactive oxygen-linked hydrogen atom of said acylated basic aminoalcohol being the acyl group of an acidic fractional ester of the formula:

$$C_3H_5O_3 \diagup [(R-O)_{n'}OOCR_1COOZ]_{n''} \diagdown [(R-O)_{n'}OOCR_1COOH]_{n'''}$$

in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

2,381,576

CERTAIN SUBRESINOUS ESTERIFICATION DERIVATIVES OF ACYLATED POLYAMINES AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,162. Divided and this application August 2, 1943, Serial No. 497,129
10 Claims. (Cl. 260—404.5)

1. A member of the class consisting of subresinous derivatives of a hydroxylated acylated polyamine of the formula:

$$D_2N.T.(N.T)_xND_2$$

in which x is a small numeral varying from 0 to 5; T is an alkylene radical having from 2 to 10 carbon atoms, and D is a member of the class consisting of hydrogen atoms, alkyl radicals, hydroxyalkyl radicals, acyl radicals of the formula R_2CO and acyloxyalkylene radicals in which the acyl radical is R_2CO, with the proviso that there must be present a member of the class consisting of:

(*a*) An acyloxyalkylene radical in which the acyl radical is R_2CO; and
(*b*) Joint occurrence of an amido radical in which the acyl radical is R_2CO and a hydroxy alkyl radical;

in all occurrences R_2CO is a detergent-forming monocarboxy acyl radical having at least 8 and not more than 32 carbon atoms; the acyl radical substituted for a reactive hydroxyl hydrogen atom of said acylated basic hydroxylated amine being the radical of an acidic fractional ester of the formula:

$$C_3H_5O_3 \diagup [(R-O)_{n'}OOCR_1COOZ]_{n''} \diagdown [(R-O)_{n'}OOCR_1COOH]_{n'''}$$

in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals and glycid radicals, and n' represents a numeral from 3 to 10, and n'' represents the numeral 0, 1, or 2, and n''' represents the numeral 1, 2 or 3, with the proviso that the sum of $n''+n'''=3$.

2,381,577

SUBRESINOUS ESTERIFICATION DERIVATIVES OF HYDROXYLATED AMIDES AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 15, 1942, Serial No. 447,165. Divided and this application August 2, 1943, Serial No. 497,132
10 Claims. (Cl. 260—404)

1. A member of the class consisting of subresinous ester-linked acyl derivatives of a hydroxylated acylated amide of the formula:

$$R_2CON \diagup [R_3]_{m''} \diagdown [(R-O)_nH]_{m'} \diagdown [(R-O)_nOCR_4]_m$$

in which R_2CO is the acyl radical of a monocarboxy acid having not over 5 carbon atoms; R_4CO is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; R—O is a member of the class consisting of ethylene oxide radicals, propylene oxide radicals, butylene oxide radicals, and glycid radicals; R_3 is a hydrocarbon radical containing not over 18 carbon atoms; n is a small whole number not over 5; m is a numeral varying from 1 to 2, m' is a numeral varying from 0 to 1, and m'' is a numeral varying from 0 to 1; with the proviso that $m+m'+m''=2$; the acyl group substituted for a reactive hydroxyl-hydrogen atom of said hydroxylated amide, being the acyl radical of an acidic fractional ester of the formula:

$$C_3H_5O_3 \diagup [(R-O)_{n'}OOCR_1COOZ]_{n''} \diagdown [(R-O)_{n'}OOCR_1COOH]_{n'''}$$

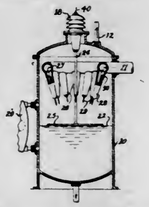
in which —OCR_1CO— is the acyl radical of a polycarboxy acid having not over 8 carbon atoms; Z represents a metallic cation; R—O is a member of the class consisting of ethylene oxide radicals, proplene oxide radicals, butylene oxide radicals, and glycid radicals, and n' represents a numeral varying from 3 to 10, and n'' represents a numeral varying from 0 to 2, and n''' represents a numeral varying from 1 to 3, with the proviso that the sum of $n''+n'''=3$.

2,381,578

APPARATUS AND METHOD FOR COALESCING FOAM

Lyle Dillon, San Gabriel, and Edward G. Ragatz, San Marino, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Original application September 12, 1936, Serial No. 100,514. Divided and this application April 25, 1941, Serial No. 390,280
5 Claims. (Cl. 204—188)



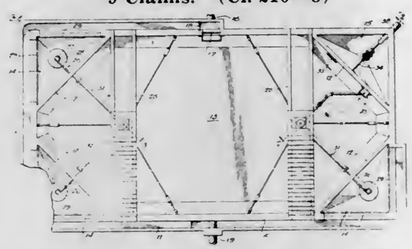
3. A process for coalescing foamy non-conducting liquids comprising projecting the foamy liquid in the form of a stream from an electrode nozzle having a pointed member to an adjacent electrode of extended flat area and charging said electrodes to a high electric potential difference, whereby the foamy liquid stream is subjected to an intense electric field and separating the resultant coalesced liquid from the foam.

2,381,579

SEWAGE TREATING APPARATUS

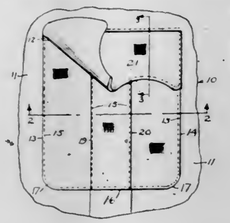
Augustus C. Durdin, III, Skokie, Ill.

Application January 12, 1942, Serial No. 426,426
9 Claims. (Cl. 210—8)



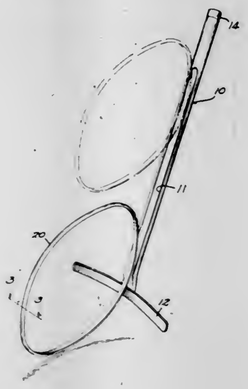
1. Sewage treating apparatus comprising a tank separated into an aeration chamber and a clarifier chamber, means to supply sewage to the aeration chamber, means in the aeration chamber for aerating the sewage therein and for causing a circulation of sewage in the chamber, a pipe extending horizontally from the upper part of the aeration chamber into the upper part of the clarifier chamber, a vertical pipe in the clarifier chamber open at its top and bottom ends and communicating in its center part with the first named pipe, means at a higher level than the top open end of the vertical pipe to withdraw clear liquor from the upper part of the clarifier chamber, and means providing communication between the lower part of the clarifier chamber and the aeration chamber to return collected sludge from the clarifier chamber to the aeration chamber.

2,381,580
GARMENT
Morris A. Einbinder, Denver, Colo.
Application June 27, 1942, Serial No. 448,724
2 Claims. (Cl. 2—247)



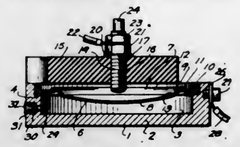
1. A garment having an elongated opening forming the entrance to a pocket, in which the material on one side of the opening is formed into a Z-shaped fold extending between the ends of the opening, the area enclosed between the fold and the opening being of the size and shape of an ordinary patch pocket patch, the three layers of the fold being connected by stitches the outer surface of the material enclosed between the opening and the fold being displaced outwardly by the fold at least twice its thickness whereby the appearance of a "patch pocket" is obtained without the use of any additional material.

2,381,581
HOOP STICK
Engelbert Entringer, Sheboygan, Wis.
Application November 13, 1944, Serial No. 563,197
1 Claim. (Cl. 46—220)



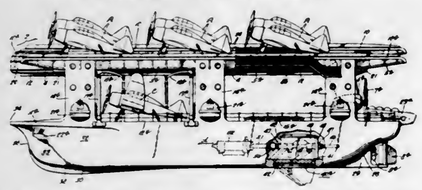
A hoop stick comprising the combination of a piece of tubing of cylindrical form in one end portion and having the other end flattened, downwardly offset, and a flat, thin cross head, the central portion of which is secured to the downwardly offset portion of the hoop stick, said piece of tubing having intermediate portions collapsed to form a runway of arcuate cross section, the bottom of which is in registry with the upper surface of the cross head whereby to allow the hoop to roll freely down the runway and over the cross head, said cross head having its end portions curved downwardly and forwardly with reference to the hoop starting position of its central portion.

2,381,582
PRESSURE SWITCH
Carl V. Erickson, Kansas City, Kans., assignor to Air Communications, Inc., Kansas City, Mo., a corporation of Missouri
Application May 8, 1944, Serial No. 534,569
9 Claims. (Cl. 200—83)



1. A snap action switch for opening and closing a control circuit to a mechanism to be operated in response to change in atmospheric pressure including, a substantially rigid base member having a recess opening from a side thereof and provided with an inset shoulder encircling the recess, a snap action diaphragm having a rim portion sealed on the shoulder cooperating with the base member to form a closed chamber for containing an inert fluid medium under pressure less than atmospheric pressure, said snap action diaphragm being shaped to provide a concave-convex central portion therein, a terminal support bridging said recess, and an electrical terminal carried by the terminal support and having a contact portion coaxially of the diaphragm and adapted to be engaged thereby upon reversal of position of the central portion of said diaphragm.

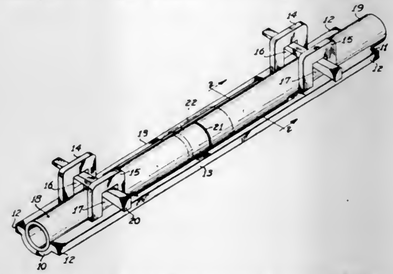
2,381,583
AIRPLANE CARRIER
Jörgen F. H. Fechtenburg, Cheltenham Township, Montgomery County, Pa.
Application February 28, 1942, Serial No. 432,853
7 Claims. (Cl. 114—43.5)



5. An aircraft carrier, comprising a pair of decked laterally spaced hulls with a channel therebetween, a plurality of bridge structures spanning said channel at spaced intervals along said hulls for maintaining said hulls in said spaced relation, a plurality of independent laterally spaced aircraft runways extending longitudinally of and respectively situated above said hulls on top of said bridge structures, storage areas for aircraft on the decks of said hulls beneath the outermost of said independent runways intermediate successive bridge structures, and means for transferring aircraft from said outermost storage spaces to said runways respectively and vice versa.

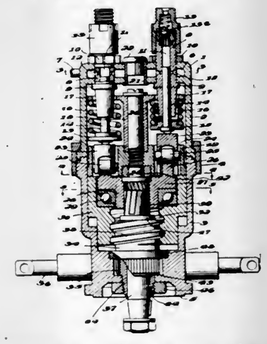
2,381,584
WELDING HOLDER FOR METAL PIPES AND BARS AND THE LIKE
Lee W. Fulleton, Portland, Oreg.
Application April 10, 1943, Serial No. 482,660
2 Claims. (Cl. 113—102)

1. A welding holder of the character described for supporting a pair of pipes and the like in axial alinement during the welding operation, said holder comprising an elongated body having a longitudinal groove for accommodating said pipes, a pair of flanges extending outwardly along the top of said holder on opposite sides of said groove and lying in a plane parallel to the common axis of said pipes when said pipes are properly positioned, a cut-out section in the center of said elongated body extending from one flange to the other and causing said flanges at said cut-out section to be reduced to parallel bars spaced from the surface of the pipes, whereby to permit the



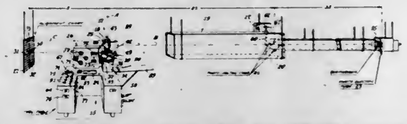
welding to be performed entirely around the pipes at said cut-out section, a pair of ears near each end of said elongated body extending upwardly from the top of said body, the ears of each pair located on opposite sides of said groove respectively and in transverse alinement with each other, and a wedge member adapted to extend transversely through each pair of ears for clamping the pipes in position in the holder.

2,381,585
FUEL INJECTION PUMP
Ernest C. Gambrell, Wichita Falls, Tex.
Application February 13, 1943, Serial No. 475,821
9 Claims. (Cl. 103—37)



1. In a liquid injection pump, the combination of a housing, a cylinder mounted in said housing and having intake and discharge openings, a plunger operatively mounted in the cylinder and having an edge in position to control the intake opening to trap a quantity of liquid in the cylinder and to discharge the same therefrom, a cam having operative bearing relation with the plunger, resilient means acting on the plunger in opposition to the cam, a bearing block supporting said cam and having means for journaling the same in the housing, means for operating said cam, means for adjusting the bearing block relative to the housing to vary the operating position of the plunger relative to the cylinder, and means for adjusting the resilient means bodily upon adjustment of the bearing block to maintain uniform tension thereof on the plunger in different adjusted positions of the cam.

2,381,586
TESTING APPARATUS
James H. Green, West Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 20, 1941, Serial No. 407,572
10 Claims. (Cl. 88—14)

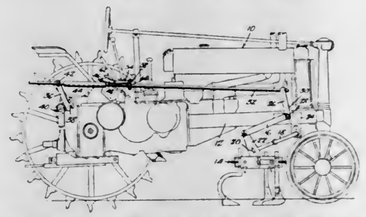


1. A testing apparatus for headlights, comprising supporting means for mounting the headlight fixed with respect thereto and movable by moving the supporting means, a tunnel into which the beam of the headlight is directed, a light-responsive means at the far end of the tunnel, a gate partway of the length of the tunnel movable into and out of the path of the light beam, and other light-responsive means on said gate offset from the normal path of greatest intensity of light beam for obtaining a balance of light pattern in the tunnel, each of said light-responsive means having a meter connected therewith.

2,381,587
TREATMENT OF TEXTILE MATERIALS
Ira L. Griffin, Dave E. Truax, and Norman H. Nuttall, Charlotte, N. C., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 3, 1941, Serial No. 386,626
4 Claims. (Cl. 117—139.5)

4. The method of imparting a substantially permanent finish to a textile material which comprises applying to the textile material in the presence of water a water dispersible film forming binder and a fixing agent comprising an antimony compound reactive with said binder to render said binder water insoluble upon dehydration, together with a fluoride selected from the group consisting of antimony tri-fluoride and sodium silico fluoride, and then drying said material to a moisture content less than about 2%.

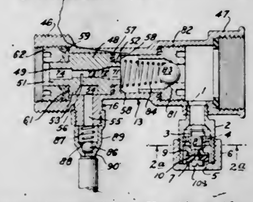
2,381,588
GROUND WORKING TOOL LIFT
Asa W. Hall, Watseka, Ill.
Application September 14, 1943, Serial No. 502,337
5 Claims. (Cl. 97—50)



1. In a device of the type described, the combination of a support having ground working tool means mounted thereon for vertical movement relatively to the support, a pivotal means for shifting said tool means, a rod movable longitudinally of itself and connected with said pivotal means to elevate said tool means, a power lift having an eye bolt slidably related to said rod, a sleeve slidable on and releasably fixed to said rod and engageable by said power lift means to

move said sleeve with the power lift means, and pivotal means operatively connected with said sleeve and said member to latch and unlatch the sleeve with respect to said rod.

2,381,589
SYSTEM AND APPARATUS FOR DISTRIBUTING LIQUID SOLUTIONS
Stanley A. Hayes, Berkeley, Calif.
Application September 24, 1940, Serial No. 358,097
5 Claims. (Cl. 103—262)



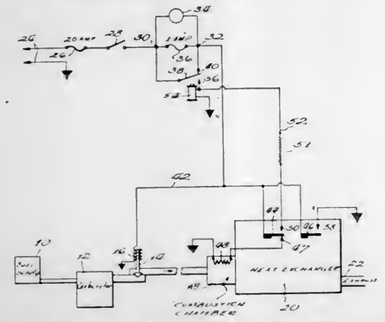
1. A proportioner for effecting the distribution of a substantially constant, predetermined proportionate mixture of a pest control material and a carrier liquid under all variations of pressure of the carrier liquid, said proportioner being adapted to be interposed in a line through which a carrier liquid is caused to flow under variable pressures and comprising a hollow body having an inlet and an outlet for receiving and emitting the carrier liquid, a side inlet formed in said body through which a pest control material may pass for entrainment in the carrier liquid, and a metering element in said body; said metering element comprising a multi-section jet therethrough communicating with the inlet and outlet of said body, said jet including an inlet section of right cylinder cross-section and predetermined diameter for receiving the carrier liquid from the inlet of said body and for transmitting the same in a full, solid stream, a tapering section merging with said inlet section and serving to increase the speed of flow of the carrier liquid, a relatively long central section of right cylinder cross-section and of less diameter than the diameter of said inlet section merging with said tapering section and communicating with said side inlet of said hollow body; said central section serving to seal the jet against admission of air and to maintain the transmission of the carrier liquid in a straight, solid stream for effecting the entrainment of a pest control material in the carrier liquid through said side inlet, and an outlet section of right cylinder cross-section and of greater diameter than the diameter of said central section and merging therewith; said outlet section serving to control the ratio of pest control material to carrier liquid that is emitted from the outlet of said body.

2,381,590
SHOE STIFFENER
Walter H. Heaton, Franklin, Mass.
Original application May 10, 1943, Serial No. 486,321. Divided and this application December 18, 1943, Serial No. 514,788
3 Claims. (Cl. 36—77)



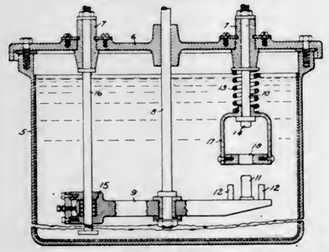
1. Shoe stiffener material comprising a double napped flannel saturated with a colloidally dispersed stiffening compound and having a relatively rough mat-finished surface on one side and having its nap laid down in a relatively smooth compact surface on the other side.

2,381,591
AIRCRAFT HEATING APPARATUS
Seymour E. Heymann, Hollywood, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 22, 1941, Serial No. 411,895
13 Claims. (Cl. 158—28)



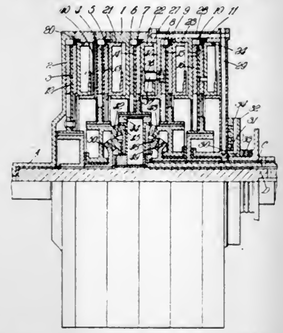
1. In a heating system for aircraft and the like in which combustion takes place in a combustion chamber sealed from the surrounding atmosphere, and in which fuel is supplied to the combustion chamber through a conduit, the combination of a normally closed valve in said conduit, a solenoid for opening said valve, electrically operated ignition means for igniting the fuel in the combustion chamber, a source of electrical energy, a circuit including said source and said ignition means, said circuit including a thermostatically operated means in series with said igniter and operable to open the circuit through said igniter after said combustion chamber attains a predetermined temperature, an over-load cut-out, and means operable by said thermostatic means to establish a circuit through said over-load cut-out when said thermostatic element is heated slightly beyond said predetermined temperature.

2,381,592
CIRCUIT BREAKER
John D. Hilliard, Glens Falls, N. Y.
Application October 17, 1942, Serial No. 462,328
5 Claims. (Cl. 200—150)



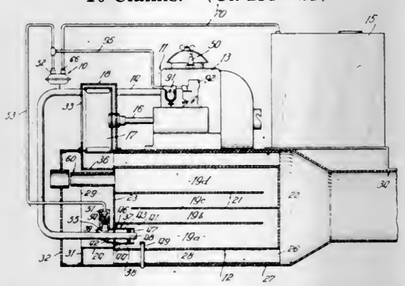
5. In a fluid break circuit breaker, a fixed contact, a cooperating movable contact, a member for operating said movable contact, means for supporting said movable contact on said operating member for relative movement therebetween, a pressure chamber enclosing said fixed contact and supported for movement relative thereto and provided with a throat opening therein into which said fixed and said movable contacts may extend, means for stopping relative movement between said movable contact and said chamber and for determining the make and break points of said contacts relative to said throat opening.

2,381,593
POWER TRANSMISSION GEAR
Howard Frederick Hobbs, Leamington Spa, England, assignor of one-half to Charles James Prior Ball, London, England
Application November 3, 1941, Serial No. 417,739
In Great Britain November 13, 1940
24 Claims. (Cl. 74—472)



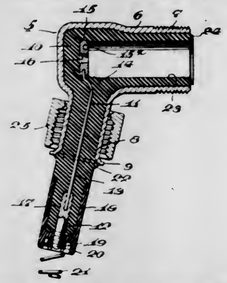
1. A power transmission apparatus comprising an input shaft, an output shaft, two intermediate members, at least two gear trains giving different ratios, means for coupling said gear trains simultaneously one to each of said intermediate members, means for coupling said two gear trains simultaneously to one of said shafts, a differential gear, means for coupling the intermediate members simultaneously through said differential gear to the said other shaft, and means to couple each of said members separately to the said other shaft when not coupled through the differential gear to said other shaft.

2,381,594
ENGINE OPERATED BURNER
Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1942, Serial No. 447,055
10 Claims. (Cl. 158—28)



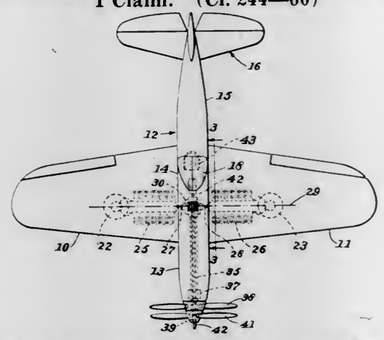
9. In combination with internal combustion heating apparatus including means defining a combustion chamber, means for producing heated gases and for discharging said gases with fluctuations in the discharge pressure thereof, a source of fuel for said heating apparatus, means fluid connected with said second-named means and actuated by the pressure fluctuations in the gases discharged by said second-named means for pumping fuel from said source to said combustion chamber, and means for transferring heat energy from said gases to the fuel prior to admission of the fuel into said combustion chamber and for then discharging the heated gases into said combustion chamber.

2,381,595
ELBOW CONNECTION FOR USE WITH SPARK PLUGS
Buford Wagoner Hulfish, Newark, N. J., assignor to Victor Aircraft Company, Inc., Newark, N. J., a corporation of New Jersey
Application October 6, 1943, Serial No. 505,256
2 Claims. (Cl. 174—35)



1. An elbow assembly for use with a shielded spark plug, comprising an elbow shaped casing having an arm and a leg, flexible insulating material filling said leg and lining said arm, said insulating material forming a substantially cylindrical flexible projection depending from said leg, a contact element positioned in the casing and insulated by said material, a flexible conductor extending from said element and embedded in the insulating material in said leg and projection, a stud connected to the flexible conductor and extending beyond said projection, and a sleeve of rigid insulating material surrounding said projection, spaced from said leg and removably secured to said threaded stud.

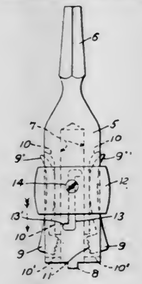
2,381,596
AIRPLANE
Martin Jensen, New York, N. Y., assignor to Langley Aviation Corporation, New York, N. Y., a corporation of Delaware
Application September 2, 1942, Serial No. 457,077
1 Claim. (Cl. 244—60)



In an airplane, a fuselage, a main plane comprising wings extending from the sides of the fuselage, a pair of similarly rotating pancake type engines arranged flatwise in said wings respectively at opposite sides of the central vertical longitudinal plane of the airplane and having substantially aligned power shafts with output ends extending into the interior of the fuselage, a pair of concentric propeller shafts arranged substantially in the central vertical longitudinal plane of the airplane with their input ends in said fuselage adjacent said output ends, the opposite ends of said propeller shafts projecting longitudinally of the fuselage for the mounting of propellers thereon, a gearing assembly in the fuselage substan-

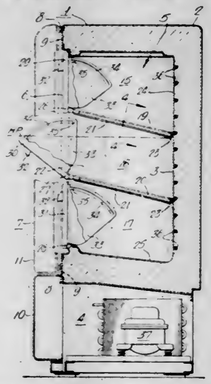
tially at the center of gravity of the airplane connecting said output ends with said input ends whereby the propeller shafts are driven in opposite directions; said gearing assembly including bevel gears respectively driven from and in the same direction as said output ends, and bevel gears on said input ends respectively and both engaged by each of the first-mentioned gears; and overrunning clutches in the drives between said engines respectively and said propeller shafts.

2,381,597
SOCKET WRENCH
Richard J. Johnson, San Francisco, Calif.
Application August 21, 1944, Serial No. 550,367
3 Claims. (Cl. 81—90)



1. In a nut wrench having a socket for freely receiving the threaded end of the bolt on which a nut is to be screwed, and with forwardly projecting nibs at the end of the socket for engaging a transverse slot in the face of the nut, the improvement which comprises a threaded jaw movably mounted on the wrench in a manner for engaging or disengaging the threads of the bolt adjacent the nut so as to lock the wrench to the bolt for traveling with the nut as the wrench is turned, a shank extending from said jaw positioned in a groove formed in the wrench body, and a manually movable collar engaging said shank for moving the jaw in and out of thread engaging position.

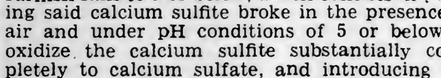
2,381,598
REFRIGERATOR CABINET CONSTRUCTION
Welton Paul Jones, Rydal, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 18, 1944, Serial No. 527,112
6 Claims. (Cl. 62—89)



1. A front-access refrigerator including an outer shell, an inner liner defining a food storage chamber and having an open front, a closure member adapted when closed to maintain said chamber in an air-tight condition, and removable means for dividing said chamber into a plurality of compartments, said means including a shelf slidably mounted upon the opposite sides of said liner and sloping downwardly from said open side and adapted to seat against the rear wall to substantially prevent circulation of air from one to another compartment, and a closure member hinged to the front edge of said shelf portion.

2,381,599
TRISAZO DYESTUFFS, THEIR COPPER COMPOUNDS, AND THEIR MANUFACTURE
Adolf Krebser, Riehen, near Basel, and Werner Bossard, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application October 28, 1941, Serial No. 416,900. In Switzerland August 2, 1940
6 Claims. (Cl. 260—173)

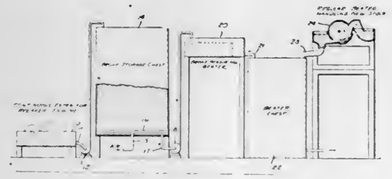
1. The trisazo dyestuffs having in the free state the following formula:



$$B{-}N{=}N{-}Bz{-}X{-}Bz{-}N{=}N{-}C\overset{(1)}{<}\overset{(2)}{N}{=}N{-}D$$

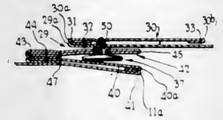
wherein each Bz stands for a benzene nucleus, X stands for a member of the group consisting of —NH—CO— and —NH—CO—NH—, an —NH— of the member X being connected to Bz (2), B stands for the radical of an ortho-hydroxy-carboxylic acid of the benzene series, C stands for the radical of a member of the group consisting of a diazotised 1-amino-2-naphtholether-6-sulphonic acid and a diazotised 1-amino-2-naphtholether-7-sulphonic acid, and D stands for the radical of a 2-acylamino-6-naphthol-8-sulphonic acid, being in form of their sodium salts dark powders, soluble in water and, in combination with a copper yielding compound, dyeing cotton generally from green to olive shades of good fastness properties.

2,381,600
PROCESS OF MAKING PAPER
Otto Kress, Appleton, Wis., and Frank Zeitlin and Robert K. Staman, Mechanicville, N. Y., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application May 8, 1941, Serial No. 392,404
5 Claims. (Cl. 92—21)



1. The method of utilizing calcium sulfite broke in the manufacture of paper by incorporating same in the form of pulp in the furnish to the paper making machine, in which the pH of the furnish falls to 5 or below, which consists in pulping said calcium sulfite broke in the presence of air and under pH conditions of 5 or below to oxidize the calcium sulfite substantially completely to calcium sulfate, and introducing the so treated broke pulp into the machine after the calcium sulfate no longer causes objectionable foaming.

2,381,601
CLOSING FOR GARMENTS
Joseph Lane, New York, N. Y.
Application June 4, 1942, Serial No. 445,779
1 Claim. (Cl. 2—74)



A dress having a longitudinal side opening extending from above the waistline to below the waistline, said dress being formed with a longitudinal extension coextensive with said opening and on one side of said opening underlying the material at the other side of said opening, a longitudinal reinforcing strip stitched to said extension and being coextensive therewith, buttons sewed to the extension and reenforcing strip a second reinforcing strip coextensive with said opening stitched to the inner side of the material of said dress at the other side of the opening and overlying said extension, and a flap comprising a folded over piece of material stitched to the inner side of the last mentioned reinforcing strip, said flap having been provided with button holes to receive said buttons on said longitudinal reinforcing strip, and the upper and lower ends of said reinforcing strips and said flap being stitched to the dress by horizontal transverse seams located at the upper and lower ends of said opening.

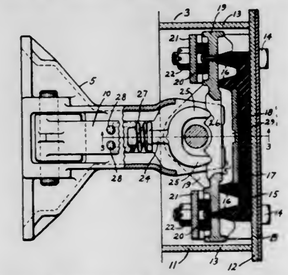
2,381,602
RAIN GAUGE
Frank W. Larson, Sioux City, Iowa
Application January 24, 1944, Serial No. 519,496
1 Claim. (Cl. 73—171)



A one-piece transparent graduated receptacle for measuring rainfall, said receptacle having a wedge shaped, tapered formation from its top to its bottom, the top being open to pass rain into the interim of the receptacle, and the top edge being formed with an outward bevel forming a knife edge at the point where the edge meets the inner wall of the receptacle.

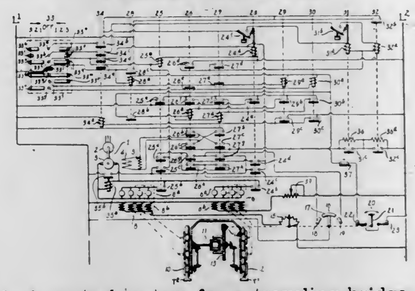
2,381,603
CAR COUPLING EQUIPMENT
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 24, 1943, Serial No. 496,255
28 Claims. (Cl. 213—21)

1. A coupler anchorage comprising in combination, a body member for attachment to a car, a support member with means thereon to secure a coupler body thereto, resilient cushioning means of non-metallic material interposed between the support member and the body member to permit longitudinal movement of the coupler body under either draft or buff forces, and a



buffing plate associated with the cushioning means and so related thereto as to be engaged by the rear portion of the coupler body to receive a portion of the buffing force due to the rearward movement of the coupler body after the said buffing force has been initially applied to the support member.

2,381,604
MOTOR CONTROL SYSTEM
Eivind U. Lassen, Whitefish Bay, and John M. Newman, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 12, 1942, Serial No. 468,752
14 Claims. (Cl. 105—61)

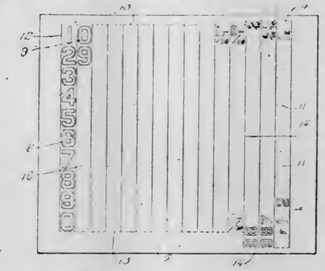


1. A control system for a traveling bridge and the like comprising in combination with a pair of individual driving motors, one motor for each end of the bridge, for moving the bridge transversely in opposite directions, of means operable to simultaneously connect said motors to a supply of current and to jointly regulate their speed and direction of rotation and to also initiate disconnection of said motors from said supply, and means directly responsive to the relative transverse movement of the ends of the bridge for regulating the relative speeds of said motors, said means including separate means for each end of the bridge to measure the actual transverse movement thereof.

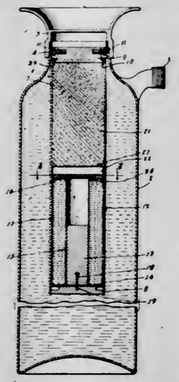
2,381,605
INDICIA AND METHOD OF APPLYING
Russell J. Leander, Chicago, Ill., assignor to The Leaton Corporation, Chicago, Ill., a corporation of Illinois
Application May 2, 1942, Serial No. 441,462
1 Claim. (Cl. 41—33)

Means for providing for the renewal of the numbers and characters on the wheels of a gasoline pump, and the like, comprising a flexible sheet

having a pressure sensitive adhesive at the back, and a non-adhesive protecting cover removably applied to the adhesive, the face of the flexible sheet having successions of numerals and characters arranged in rows, the sheet and cover having cuts dividing the rows of numbers from each other, the ends of the cuts terminating at short distances from the marginal edges of the sheet, and the rows of numerals adapted to be severed from the marginal edges of the sheets by cuts parallel to the edges intersecting the cuts between the rows.



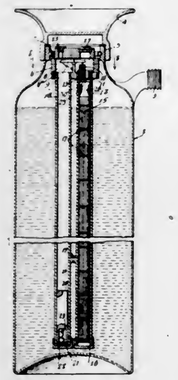
2,381,606
FIRE EXTINGUISHING APPARATUS
Floyd J. Lee, La Habra, Calif., assignor of one-half to J. Leonard Hull, Los Angeles, Calif.
Application July 21, 1943, Serial No. 495,586
3 Claims. (Cl. 169—32)



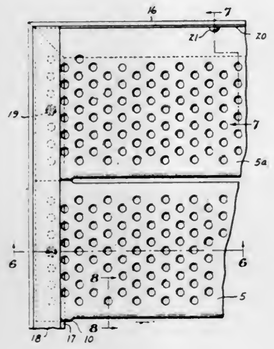
1. A fire extinguishing apparatus which comprises a tubular container member having a closure at its upper end, and having a rupturable seal between the closure member and the tubular member, an annular frangible bottle for containing acid within said tube but occupying but a portion of the length of said tube, means above said acid containing bottle to permit carbonate material to be held in said tube above said bottle, a weight slidable through said bottle in bottle-breaking operations, the carbonate material and acid being operative when mixed for generation of sufficient gas pressure to burst said rupturable seal between said tube and said closure member.

2,381,607
LIQUID-EJECTING APPARATUS
Floyd J. Lee, La Habra, Calif., assignor of one-half to J. Leonard Hull, Los Angeles, Calif.
Application May 13, 1944, Serial No. 535,446
8 Claims. (Cl. 169—31)

1. A liquid-ejecting apparatus, comprising a body member for containing a liquid, a combustion chamber mounted within said body member, a plurality of powder trains within said combustion chamber adapted to produce a gas on slow burning, means for igniting said powder trains, communication means between said combustion chamber and said body member and a blow-out seal in said communication means.

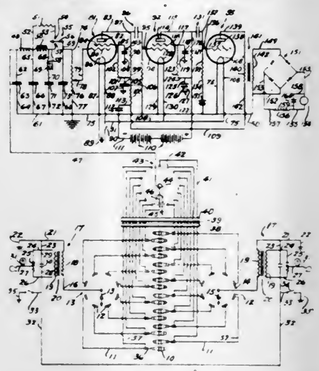


2,381,608
DEHYDRATION TRAY
Arthur R. Leyerle, Cleveland, Ohio, assignor to Vitreous Steel Products Co., Cleveland, Ohio, a corporation of Ohio
Application September 13, 1943, Serial No. 502,159
2 Claims. (Cl. 34—237)



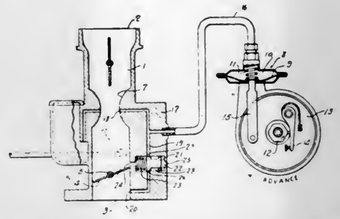
1. A processing tray comprising a rectangular supporting frame having interior supporting ledges intermediate the top and bottom of the frame at opposite ends thereof, and a bottom composed of slats positioned side by side, and having end portions wider than intermediate portions, and abutting edge to edge and resting on said ledges, said slats having closely spaced perforations distributed substantially throughout the length and breadth thereof, the side edges of the narrow portions of said slats being spaced apart throughout the major portion of the length of the slats to provide narrow elongated slots between them, each slat having rounded flanges extending downwardly and inwardly from the side edges thereof to provide rounded shoulders along the edges of said slots.

2,381,609
IGNITION ANALYZER
Charles W. McCoy, Ontario, Calif.
Application October 5, 1942, Serial No. 460,839
9 Claims. (Cl. 175—183)



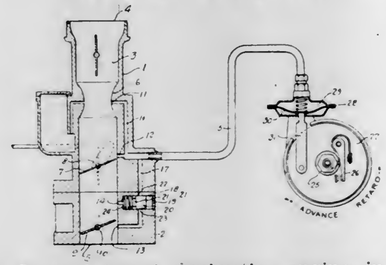
1. An apparatus for testing a plurality of separate high tension ignition circuits, which comprises means disposed adjacent said circuits for receiving high frequency current impulses therefrom, conductors, one for each of said means, a feed wire, a switch interposed between said conductors and the feed wire, whereby circuit will be established from one of said conductors to the feed wire and the circuits of each of the other of said conductors will be grounded, a filter structure to which said conductor leads and within which selected bands of high frequency current are filtered out and other bands of high frequency current are allowed to pass through the filter, amplifying means connected with the filter and receiving the selected bands of current, and an indicating meter receiving said amplified current and indicating the magnitude thereof.

2,381,610
IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application October 19, 1944, Serial No. 559,423
8 Claims. (Cl. 123—117)



1. In an internal combustion engine having an intake passageway and a throttle valve controlling the flow of motive fluid through the passageway, the combination of an ignition timer, a suction device for controlling said ignition timer, an orifice positioned in the intake passageway on the atmosphere side of the throttle valve in all positions of the throttle valve, a second orifice positioned in the intake passageway on the engine side of the throttle valve in all positions of the throttle valve, conduits connecting the said orifices with the suction device, a third orifice in the intake passageway positioned adjacent to and on the atmosphere side of the throttle valve when in idle position, and suction responsive valve means controlling communication between the suction device and the second orifice, said valve means shutting off communication between the second orifice and the suction device when the throttle valve is in idle position and responding to the suction created by the fluid flow by the third orifice as the throttle valve opens from idle position to place the second orifice in communication with the suction chamber of said suction device whereby the ignition timer is actuated to advance the spark.

2,381,611
COMBINATION GOVERNOR AND IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application November 2, 1944, Serial No. 561,544
10 Claims. (Cl. 123—117)

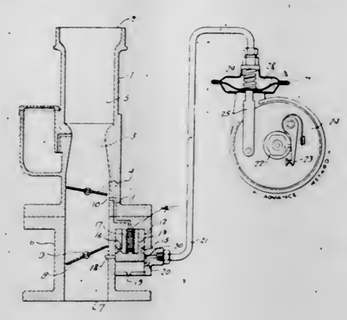


1. In an internal combustion engine, in combination an intake passageway for said engine, a manual throttle valve therein, an automatic governor throttle valve in the intake passageway on the engine side of the manual throttle valve, an ignition device for said engine, vacuum operated means for adjusting said ignition device to control the time of sparking, an orifice in the intake passageway adjacent to and on the atmosphere side of said manual throttle valve when in idle position and passing on to the engine side of said manual throttle valve during the initial opening movement of said valve, a second orifice in the intake passageway on the engine side of the governor valve, a conduit connecting said first and second orifices with the vacuum operated means, and valve means for controlling communication between the second orifice and the vacuum operated means and between the second orifice and the first orifice, said valve means being controlled by the pressure conditions obtaining between the manual throttle valve and the governor throttle valve, said valve means responding to the vacuum in said intake passageway when the manual throttle valve is closed to cut off communication between the second orifice and the said first orifice and vacuum operated means.

2,381,612
IGNITION TIMING CONTROL MEANS FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application November 10, 1944, Serial No. 562,782
9 Claims. (Cl. 123—117)

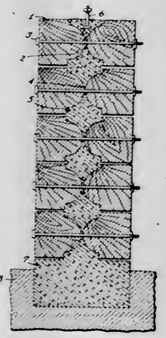
1. In an internal combustion engine, in combination an intake passageway for said engine, a manual throttle valve therein, an automatic governor throttle valve in the intake passageway on the engine side of the manual throttle valve, an ignition device for said engine, vacuum operated means for adjusting said ignition device to control the time of sparking, an orifice in the in-

take passageway adjacent to and on the engine side of said manual throttle valve when in idle position and passing on to the atmosphere side of the manual throttle valve during the initial opening movement of said valve, a second orifice in the intake passageway adjacent the governor valve and on the engine side of the governor valve when in idle position, a conduit connecting said second orifice with the vacuum operated



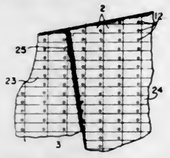
means, and valve means for controlling communication between said second orifice and the vacuum operated means, said valve means being controlled by the pressure conditions obtaining at the first mentioned orifice, said valve means responding to the vacuum on the engine side of the manual throttle valve when substantially in idle position to close off communication between the second orifice and the vacuum operated means.

2,381,613
REMOVABLE FORM FOR CONCRETE WALL CONSTRUCTION
Jabez Taylor Mitchell, Claremore, Okla.
Application September 24, 1943, Serial No. 503,677
7 Claims. (Cl. 25—131)



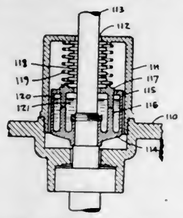
1. A removable form for concrete wall construction consisting of two base-blocks and two central members all of which are drilled parallel to the longitudinal axis of the form for the reception of a through-bolt, the central members having larger ends which rest against the base-blocks and smaller ends which rest against each other in the central part of the wall under construction, the entire unit consisting of two base-blocks assembled with the two central members between them upon a suitable through-bolt and placed transversely to the wall under construction.

2,381,614
PROJECTION SCREEN
Rolf Möller, Kleinmachnow, near Berlin, and Erich Kosche, Stuttgart W., Germany; vested in the Alien Property Custodian
Application May 17, 1940, Serial No. 335,804
In Germany March 25, 1939
2 Claims. (Cl. 88—28.90)



1. A projection screen having a plurality of sections arranged in adjoining relation to abut each other, each section comprising corresponding adjacent rows of contiguous optical elements which extend across the section, each row of each section adjoining a corresponding row in an adjoining section and each row being made up of substantially uniformly formed optical elements which reflect light in a predetermined direction and of an incomplete and deformed optical element at the margin of the row which abuts the corresponding row of an adjoining section, the margin of each marginal element which abuts a marginal element in an adjoining section lying on a straight line inclined at an acute angle to the direction of the rows of optical elements.

2,381,615
SUBMERSIBLE STRUCTURE
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Original application November 8, 1937, Serial No. 173,434, now Patent No. 2,318,181, dated May 4, 1943. Divided and this application July 31, 1942, Serial No. 453,127
9 Claims. (Cl. 286—11)

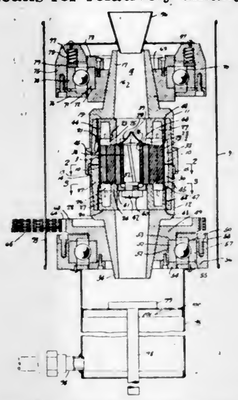


1. In a submersible structure, a casing, a rotary shaft extending from the casing, a cup carried by the shaft, a non-rotary member having an annular surface contacting with the edge of the cup, and carried by the casing, a metal bellows carried by the casing and supporting said non-rotary member, means urging said cup and member together, and a liquid seal within the cup overlapping the region of contact.

2,381,616
CENTRIFUGAL CASTING APPARATUS
George T. Pfleger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application May 11, 1942, Serial No. 442,470
19 Claims. (Cl. 22—58)

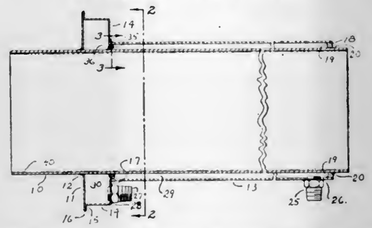
1. In a rotary mold for centrifugal casting, separable mold sections, one of said sections defining a tapered clutching surface, a cooperating

rotary clutching member for engaging said surface, and means for relatively axially moving the



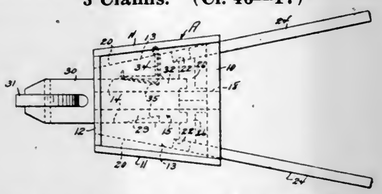
clutching member into and out of cooperating relation with said surface.

2,381,617
FREEZER CHAMBER AND EVAPORATOR
Louis A. M. Phelan, Rockton, Ill.
Application October 8, 1941, Serial No. 414,152
3 Claims. (Cl. 62—126)



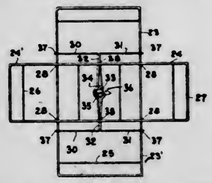
1. An ice cream freezing device of the class described, comprising an elongated inner cylinder, another cylinder positioned over said inner cylinder, one end being connected to the adjacent end of said inner cylinder, the other end having a short enlarged in diameter portion, an annular plate connected to the end of said enlarged portion and to said inner cylinder to form with said cylinder and said portion a narrow annular passageway around the greater part of the length of said inner cylinder and a relatively short and large in diameter annular extension thereto, such construction permitting independent expansion and contraction between said cylinders.

2,381,618
KIDDY BARROW
William M. Roberts, Tyler, Tex.
Application April 27, 1944, Serial No. 533,004
3 Claims. (Cl. 46—17)



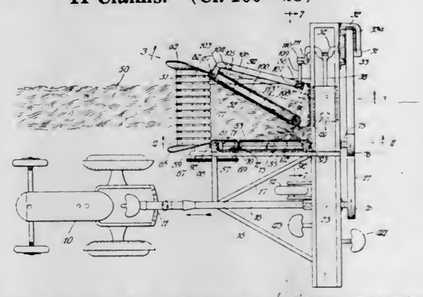
1. A wheel-barrow of the kind described, comprising a body part, handle bars for the body part, a wheel fork for said body part, means located at the under side of the body part for effecting detachable interfitting and interlocking of the wheel fork and handle bars therewith and a releasable latch engageable with the wheel fork for holding the same, handle bars and body part interlocked with one another.

2,381,619
TREE-TYPE DISPLAY RACK
Harry C. Robinson and Thomas F. Challis, Chattanooga, Tenn., assignors to American Manufacturing Company, Chattanooga, Tenn.
Original application January 7, 1941, Serial No. 373,500. Divided and this application April 8, 1943, Serial No. 482,306
8 Claims. (Cl. 211—71)



4. A tree type stand for supporting and displaying merchandise and the like comprising a base, a central post or column extending upwardly from said base, and a tray or shelf supported by said central post, said tray or shelf being composed principally of wire rod members united to provide a unitary assembly, the arrangement of said wire rod members providing crossed frame portions, each frame portion composed of spaced side members and connecting cross rods, certain of the members defining a supporting connection with said central post or column and being formed with substantially parallel portions with oppositely disposed portions at the ends of said substantially parallel portions.

2,381,620
PICKUP BALER
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, a corporation of Wisconsin
Application June 8, 1942, Serial No. 446,303
11 Claims. (Cl. 100—25)



1. In a device for baling hay or like material in the field, the combination of a frame having a horizontal guide-way provided with an opening for receiving material to be baled, a plunger arranged to reciprocate in one end of and longitudinally of said guide-way for compressing the material fed into said guide-way, means for directing the material into the guide-way into the path of said plunger, means for preliminarily compacting the material in a direction parallel to the plunger axis prior to the entrance of the

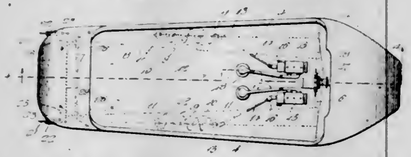
material into the guide-way, said last means including a vertically extending baffle extending towards said opening and inclined in the direction to compress the material as the latter approaches the guide-way, means for severing the material fed into the guide-way from that which has not yet entered said guide-way, and means for reciprocating said baffle synchronized with the movement of said plunger.

2,381,621
COMPOSITE THERAPEUTIC FILM
Franz C. Schmelkes, Montclair, N. J., and Frederik J. G. de Leeuw, East Aurora, N. Y., assignors to Wallace & Tiernan Products Inc., a corporation of New Jersey
Application August 22, 1942, Serial No. 455,975
1 Claim. (Cl. 167—84)



A dressing for a liquid exuding lesion which comprises a plurality of plies, at least one of which is thin, of pliable, hydrophilic, non-porous but water penetrable material in film form, azochloramide distributed throughout the one of the said plies that is thin and that is to be in contact with the lesion when the dressing is in use, and a bacteriostatic sulfanilamide compound distributed throughout another of said plies, so that the azochloramide is extracted and reaches the lesion first after application of the dressing to the lesion and prepares the site for the sulfanilamide compound in advance of contact of the sulfanilamide compound with the lesion.

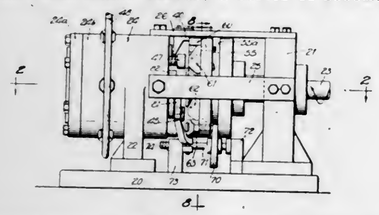
2,381,622
BOAT
Creedy C. Sheppard, Fort Lee, N. J.
Substituted for abandoned application Serial No. 411,578, September 19, 1941. This application October 17, 1944, Serial No. 559,026
6 Claims. (Cl. 115—37)



1. In a boat construction, a hull having pontoons extending along the under face of its bottom at opposite sides thereof and constituting buoyant runners, and cross bars extending across the bottom of the hull between front and rear end portions of the runners and constituting end walls for an air pocket having side walls formed by the runners, said runners being gradually reduced in width toward their rear ends whereby the top of the air pocket gradually increases in width toward its rear end, and the front cross bar being of greater depth than the rear cross bar.

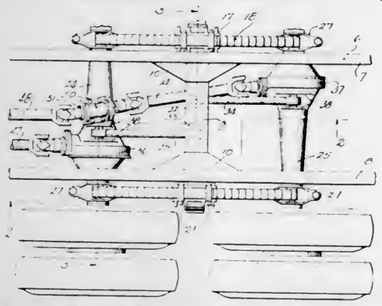
2,381,623
INJECTOR-TIMER FOR INTERNAL-COMBUSTION ENGINES
Eugene Silber, New York, N. Y.
Application July 15, 1942, Serial No. 451,032
11 Claims. (Cl. 103—38)

1. An internal combustion engine fuel distributor injection pump that comprises a block, a rotatable shaft; a plurality of fuel distributor valves therein concentric with said shaft; a head mounted on said shaft near said block; a first cam element upon said head, constructed and arranged for engaging with and operating successively each of said distributor valves upon rotation of the head; a variable displacement plunger-type injector pump also in said block eccentric to said shaft and adapted to be connected to a fuel supply and connected to each of said distributor valves; a series of second cam



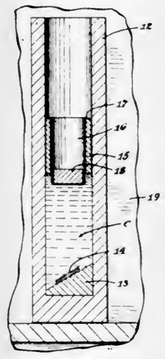
elements upon said head, constructed and arranged each successively to operate the injector pump upon rotation of the head; means for modifying the action of said second cam elements to vary the displacement of the injector pump; a valve in said block for controlling connection of the pump to the fuel supply; and a third cam element upon said head for engaging with and closing said valve when the pump is discharging fuel through the distributor valves.

2,381,624
TANDEM DRIVE AXLE
George D. Simonds, Clintonville, Wis., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis., a corporation of Wisconsin
Application October 5, 1942, Serial No. 460,791
18 Claims. (Cl. 180—22)



4. In a vehicle, the combination with a pair of load bearing axles each provided with wheels and provided adjacent such wheels with spherically rounded bearing surfaces, of spring anchorage brackets swiveled upon the respective bearing surfaces, frame supporting springs connected in pairs with the brackets of the respective axles at the ends of such springs, means rigidly connecting the central portions of said springs and providing for frame support therefrom, said springs having eyes at their ends and the respective brackets having pins engaged in said eyes and of greater length than said eyes whereby to accommodate relative lateral movement of the pins through the eyes of the springs, said brackets having means laterally engaging the eyes of the respective springs in outward thrust relationship in the normal horizontal positions of respective axles and movable from said springs as said pins are drawn through said eyes in the tilting of the respective axles.

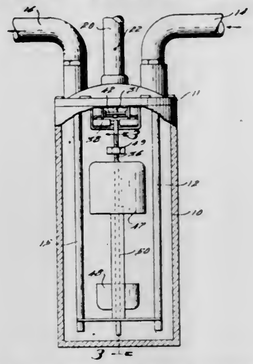
2,381,625
X-RAY TUBE ANODE SEAL
Nelson H. Stewart, Fairmont, W. Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 27, 1942, Serial No. 428,358, now Patent No. 2,358,668, dated September 19, 1944. Divided and this application October 15, 1943. Serial No. 506,324
6 Claims. (Cl. 29—25.14)



2. The method of fabricating anodes for X-ray tubes, each anode having a copper supporting rod, a glass press and a seal made of a metallic alloy consisting substantially of nickel, kobalt and iron capable of uniting readily with the glass of said press, said method comprising inserting a copper slug adapted to form said copper rod in an upright crucible, superimposing upon said slug in the crucible a thimble of metallic alloy surrounded by a carbon spacing bushing also resting upon said slug, weighting said thimble to cause penetration of its lower end into said copper when the latter is molten, heating said crucible and its contents until said penetration takes place to a predetermined extent to form a cast joint between the copper rod and the metallic thimble, cooling said crucible contents, removing the copper rod and bushing from the crucible, freeing said bushing and removing the same from the thimble, uniting the free end of said metallic thimble with the glass press, and machining said complete anode.

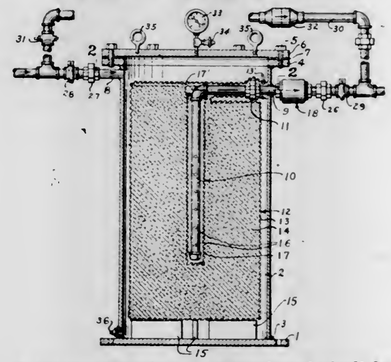
2,381,626
FLOAT CONTROL
Otto Thiel, Detroit, Mich.
Application July 29, 1943, Serial No. 496,603
1 Claim. (Cl. 137—69)

A float control for operating a snap action device comprising an operating rod connected to said device and arranged to be reciprocated vertically for different operations of said device, a chamber for receiving a liquid, an open top, closed bottom, cup fastened to the lower end of the rod within the chamber, an open bottom, closed top, float above the cup and slidably mounted on the rod within the chamber, an abutment on said rod above the float arranged to be engaged by the float when the liquid level rises so that rise of the float will lift the rod, the float having means free of the rod for limiting its downward movement and said float being completely free of the snap action device except for said engagement with the abutment on the rod, whereby said float on rising may lift the rod and operate the device but on falling will not lower the rod nor operate the device and said



cup will fall and operate said device when the water level falls below said cup.

2,381,627
FILTER
Lonnie L. Thompson, Iowa Park, Tex.
Application September 29, 1942, Serial No. 460,153
3 Claims. (Cl. 210—131)

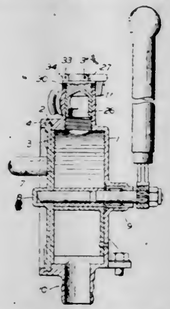


1. A filter comprising an enclosed shell having surrounding wall and bottom, and a head seated upon the surrounding wall, means for detachably securing the head to the surrounding wall, a filter cartridge disposed within the shell and comprising a fabric container enclosing a filter medium, a pipe having a perforated portion enclosed within the filter medium in the shell and having an upper end extending outwardly from the cartridge, said shell having a fluid inlet, a fluid outlet pipe extending through the wall of the shell below the head and adjacent the top of the shell, and a coupling within the shell detachably connecting said outlet pipe with the upper end of the first-mentioned pipe whereby said first-mentioned pipe and cartridge may be removed from the shell upon disconnection of the head.

2,381,628
PUMP
Henry Thorpe-Woods, London, England, assignor to International Marine Radio Company Limited, London, England
Application April 24, 1942, Serial No. 440,284
In Great Britain May 19, 1941
1 Claim. (Cl. 103—202)

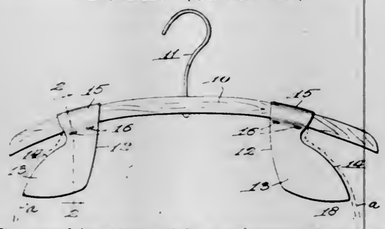
In a pump casing structure of the type described, comprising a casing adapted for enclos-

ing and providing bearings for a pump mechanism, said casing being substantially cylindrical in shape and open at one end and closed at the other and having a bearing opening axially disposed in said closed end, inlet and outlet openings in said casing, a cover seat formed within the open end of said casing, a cover having an inner surface adapted to fit said cover seat, means for retaining said cover in position against said seat comprising an inwardly extending flange formed at the outer edge of said casing beyond and partly overlying said cover seat but in spaced relation thereto, said flange being formed with a series of uniformly spaced recesses, a series of projections formed at the edge of said cover plate corresponding to said recesses and adapted



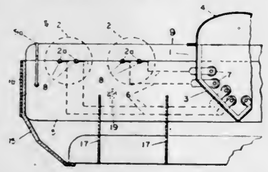
to be received thereby when the cover is placed in position, a series of curbed wedge-shaped members formed on said cover projections on the surface opposite that engaging said seat, a similar series of complementary wedge-shaped members formed on said flange between said recesses whereby when said cover is placed in position over said seat, a turning movement imparted thereto will cause the engagement of the complementary wedge-shaped members securing the cover firmly against the seat in said casing and a pair of axially extended bosses provided on the outer surface of the cover and spaced at opposite sides of the axis of rotation of the cover to facilitate obtaining leverage thereon for quick cover removal.

2,381,629
GARMENT HANGER
Albert G. Wahl, Los Angeles, Calif.
Application April 12, 1943, Serial No. 482,727
1 Claim. (Cl. 223—88)



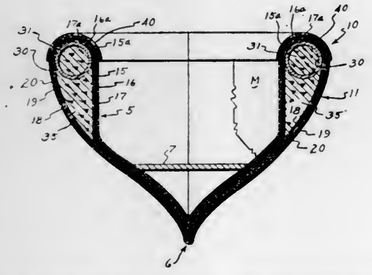
The combination with a garment hanger having a curved rail, of garment supporting members mounted for longitudinal adjustment on the end portions of said rail, each member comprising a single piece of thin sheet material folded double on a medial line to form identical depending walls lying flat against each other fastening means passing through said walls a short distance below the line of fold, with those portions of the walls between the line of fold and fastening means spaced apart to form a flattened tube for snugly receiving and frictionally engaging the curved rail of the hanger and the walls below said tube and fastening means extending downwardly and outwardly from said tube to form a lobe shaped member of double thickness having a continuous arched upper edge for receiving and supporting garments.

2,381,630
LIGHTING FIXTURE
George P. Wakefield, Vermilion, Ohio, assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio, a corporation of Ohio
Application September 16, 1942, Serial No. 458,525
2 Claims. (Cl. 240—78)



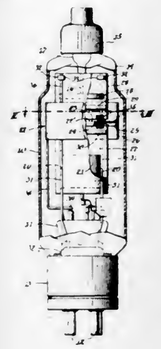
1. In a lighting fixture of the type designed to be fitted with elongated, tubular illuminators having projecting terminals at their respective ends, the combination of an elongated hollow, main frame member approximately the same length as such illuminators, the upper portion of said main frame member being in the form of a removable cover to permit access to the interior thereof, a cross arm of solidly molded di-electric plastic material secured to each end of said main member, spaced seats on the upper faces of said arms constituting electrical contacts adapted directly to receive the terminals on the corresponding ends of a plurality of such illuminators upon downward placement thereof and thereby support the latter in substantially parallel relation, conductors embedded in said arms and extending from within the respective ends of said main frame to said seats, respectively, and members removably secured to said arms adapted to retain such illuminator terminals in place on their seats.

2,381,631
BOAT CONSTRUCTION
Eugene H. Waring, Los Angeles, Calif., assignor to Western Plastics, Incorporated, Glendale, Calif., a corporation of California
Application May 22, 1944, Serial No. 536,665
8 Claims. (Cl. 9—6)



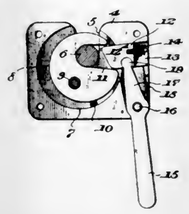
1. In a boat comprised of laminations forming the sides thereof, a buoyant tube interposed between and housed by the laminations at the gunnel portions thereof, said tubes holding the laminations apart at and adjacent the gunnel portions to provide a space of substantially triangular cross section therebelow, and a filling of buoyant material in said space.

2,381,632
ELECTRON DISCHARGE DEVICE
Ward W. Watrous, Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 24, 1943, Serial No. 503,598
14 Claims. (Cl. 250—27.5)



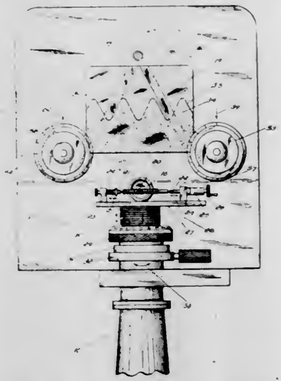
14. An electron discharge device having an anode and cathode and a gaseous atmosphere for promoting an arc discharge, a grid having a body portion thereof substantially in the path of said arc discharge and a body portion outside of said path of arc discharge, and means shielding the body portion of said grid outside of said path of arc discharge from the said arc discharge.

2,381,633
LOCK AND FASTENING DEVICE
Leonard Weare Young, Northwood, England
Application October 15, 1942, Serial No. 462,151
In Great Britain October 15, 1941
4 Claims. (Cl. 292—340)



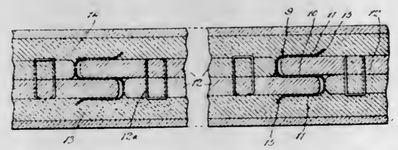
1. A latch device for securely engaging a bolt engageable with and disengageable from the latch, comprising a base plate having a recess and provided with a slot leading in from an edge and communicating with said recess for the reception of the engageable bolt; a cam plate eccentrically mounted for rotation in the recess of said base plate; a slot leading in from an edge of said rotatable cam plate; the cam plate by engagement with the wall of said recess serving to define a limit position in rotation of said cam plate, in which limit position the open end of the cam slot is in register with the slot of the base plate to receive the entering bolt; and releasable catch means engageable with the slot of said cam plate to secure it with its slot lying across the base plate slot to close the latter and prevent withdrawal of the bolt.

2,381,634
TESTING DEVICE
Franz G. Back, New York, N. Y., assignor to Helix Gage Works, New York, N Y.
Application March 13, 1944, Serial No. 526,175
18 Claims. (Cl. 88—24)



1. In a screw thread testing device a screen, a support for holding a screw threaded tested object, means for projecting a shadow image of the screw threaded part of said tested object on said screen, means for projecting a shadow image of a testing member on said screen, independent adjustable supporting and mounting means holding said testing member during said projection of its shadow image on said screen, and manually operated for moving said independent adjustable supporting and mounting means holding said testing member during projection of its shadow image on said screen independently from said tested object so as to move said shadow image of said testing member adjacent to said shadow image of said screw threaded part of said tested object so that said shadow images of said testing member and of said screw threaded part of said tested object may be simultaneously observed and compared with each other.

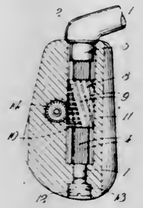
2,381,635
PARTITION STRUCTURE
George W. Baker, Chicago Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1942, Serial No. 447,037
13 Claims. (Cl. 72—46)



2. A solid partition comprising a plaster base formed of two relatively movable layers of wallboard in face-to-face relation and laterally offset sufficiently to provide oppositely disposed shiplap edges, S-shaped studs embracing said shiplap edges to support said boards therebetween in two-

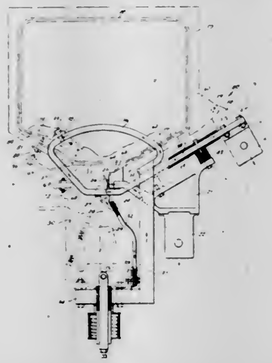
ply self-adjusting planar relationship, a layer of plaster on each side of said plaster base, and floor and ceiling channels for supporting the top and bottom edges of said plaster base therein.

2,381,636
ADJUSTABLE HEAD GOLF CLUB
Thomas Bancroft, Sherburn-in-Elmet, England, assignor of one-half to Norman W. G. Blackburn, near Leeds, Yorkshire, England
Application April 6, 1944, Serial No. 529,728
In Great Britain January 19, 1944
9 Claims. (Cl. 273—79)



2. In an adjustable head golf club, a spindle fast on an end of a club shaft, a club head rotatably mounted on said spindle, a tubular element capable of sliding on but not rotatable about said spindle, helical thread means on said element engaging corresponding thread means in said head, and rotatable means in said head for causing linear motion of said element and hence rotation of said head.

2,381,637
ARC QUENCHER
Donald I. Bohn, Pittsburgh, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1942, Serial No. 438,231
5 Claims. (Cl. 200—147)

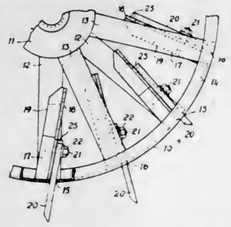


1. In a circuit breaker having a movable and a complementary contact between which an arc is drawn, an arc chute, a plurality of blow-out coils for moving the arc into said arc chute; one of said blow-out coils being located in the region of and adjacent to said contacts; another of said blow-out coils having a portion extending remote from said contacts and substantially over the area defined by said arc chute; and means for successively placing said blow-out coils in circuit and for successively taking portions of said blow-out coils out of circuit.

2,381,638
CARBURIZING STEELS
Frederick R. Bonte, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
No Drawing. Application May 20, 1943, Serial No. 487,812
8 Claims. (Cl. 75—123)

1. A carburizing steel comprising about 0.1 to 0.3 per cent of carbon, about 0.3 to 0.8 per cent of manganese, about 0.2 to 0.75 per cent of molybdenum, silicon in an amount sufficient to cause graphitization in the presence of said molybdenum, and the remainder effectively iron, and being graphitizable by annealing to convert a portion of the carbon to graphitic carbon dispersed finely through the structure.

2,381,639
WHEEL FOR AGRICULTURAL TRACTORS
Walter Bower, Barlborough, England
Application June 25, 1943, Serial No. 492,199
In Great Britain November 17, 1942
4 Claims. (Cl. 301—50)

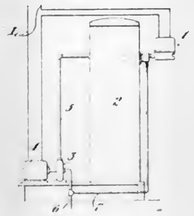


1. The combination with a wheel, of a sprag arrangement comprising a series of sprag carrying plates secured to the inner periphery of the wheel rim alternately at opposite sides thereof and adjacent sprag accommodating openings in said rim, said plates extending inwardly from said rim alternately to oppcsite sides of the wheel and being angularly disposed to and intersecting the central plane of the wheel, means disposed within the wheel for supporting the inner ends of said plates, slotted ground contacting sprags detachably and adjustably mounted on said plates for projection and retraction through said rim openings and having like ground penetrating ends adapted, when the sprags on adjacent ones of said plates are interchanged, to enter the ground at a different angle from that at which they entered the ground previous to their being interchanged, projections on said sprags interengageable with one of a plurality of apertures in said plates for detachably pre-selectively locating said sprags at different positions thereon, and fastening means for securing the sprags to the plates.

2,381,640
AIR VOLUME CONTROL
Fred Brandstrom, Westport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application February 24, 1943, Serial No. 476,941
4 Claims. (Cl. 103—7)

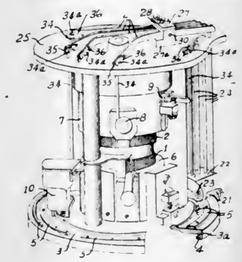
1. In combination an air tight tank and a control unit comprising a support having an externally screw-threaded plug portion designed to enter a screw-threaded opening in the tank wall, said support having an eccentrically located internally screw-threaded bore extending into it from its outer end and designed to receive a threaded supporting nipple forming part of a

pressure switch, the support having a longitudinal passage leading from the inner end of said eccentric bore to the inner end of the plug thereby providing communication between the interior of the tank and a pressure switch mounted on the support, the support having an axial bore extending inwardly from its inner end, and having a valve-receiving bore extending inwardly from its peripheral surface and intersecting the axial bore, a tire type valve having a protruding stem located in the valve-receiving bore and means for actuating the tire type valve comprising a float within the tank, the float having an elongate stem, a diaphragm extending transversely



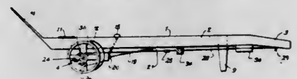
across said axial bore and forming one wall of an interior chamber constituted by the inner end of said axial bore, the float stem extending leak-tight through the diaphragm and the inner portion of the float stem overlying the end of the stem of the tire type valve for actuating the latter valve, means providing passages connecting said interior chamber with the interior of the tank and with the outer atmosphere respectively, the tire type valve being arranged to control the flow of air through the latter passage, and guide means operative to constrain the float stem to move in the plane of the axis of the tire type valve.

2,381,641
CIRCULAR KNITTING MACHINE
Thomas Charles Bromley and Arthur Shortland, Leicester, England, assignors to Mellor Bromley & Co. Limited, Leicester, England, a British company
Application October 1, 1942, Serial No. 460,430
In Great Britain October 27, 1941
6 Claims. (Cl. 66—14)



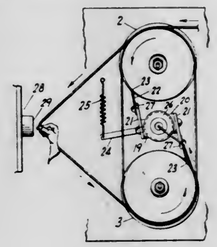
1. In a circular knitting machine, in combination, a bottom needle cylinder, a top needle cylinder axially opposed with respect to said bottom cylinder, a cam box associated with the bottom cylinder, another cam box associated with the top cylinder, a bed plate by which said bottom cam box is carried, controllable parts assembled about the needle cylinders, main timing and controlling mechanism including a rotatable drum furnished with elements for effecting some of the desired changes in the operation of the machine, a gear ring on said drum, means for rotating the drum intermittently, an auxiliary controlling mechanism comprising a controlling ring mounted concentrically on the bed plate, a further gear ring secured on said controlling ring, intermediate connections for rendering the said auxiliary controlling mechanism effective upon the aforesaid parts to be controlled, and spur and bevel gearing arranged between the gear ring on the drum and the gear ring on the controlling ring whereby the latter is racked round intermittently, the work of controlling the machine thus being shared between the said two mechanisms, for the purpose herein specified.

2,381,642
HAND TRUCK AND BRAKE THEREFOR
Marion G. Brown, Tacoma, Wash.
Application October 30, 1944, Serial No. 561,015
3 Claims. (Cl. 188—22)



1. In a hand truck including a pair of side bars terminating in rear end handles and an axle bar supporting said side bars adjacent the front ends thereof and provided with wheels, a brake beam in the rear of said wheels provided with end brake shoes, means swingably suspending said beam from said side bars for movement toward and from said wheels to apply and release said shoes, respectively, spring means opposing swinging of said beam toward said wheels, and means for swinging said beam toward said wheels comprising a pull cable connected at one end to said beam, a pair of pull rods connected to the other end of said cable and terminating in rear end hand grips beneath said handles, a pair of supports on said side bars for said rods over which the rods extend and from which said rods may be lifted, and coacting devices on said rods and supports for interlocking the rods with the supports by lowering the rods onto the supports.

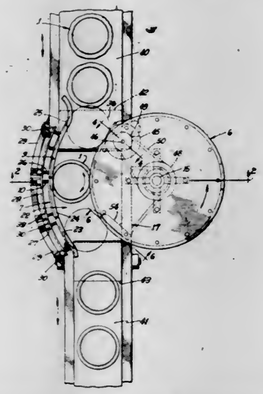
2,381,643
METHOD AND APPARATUS FOR HANDLING FILAMENTARY MATERIAL
Alexander Bruenner, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 18, 1943, Serial No. 479,568
9 Claims. (Cl. 28—71.5)



1. An apparatus for withdrawing an aggregate of continuous filamentary material from a supply thereof comprising a pair of godets arranged to cause lateral displacement of successive wraps of the continuous filamentary material traveling thereabout, means for driving the godets and

means disposed between the godets for removing the excess filamentary material as it is discharged from the wrappings about the godets.

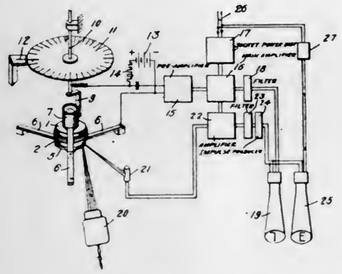
2,381,644
APPARATUS FOR TRIMMING PIES AND THE LIKE
Frank Bryant, Los Angeles, Calif., assignor to Bradley Pie Company, Los Angeles, Calif., a copartnership consisting of Theodore T. Meehleis, R. H. Bradley, Jr., and Edith Bradley
Application October 20, 1943, Serial No. 507,004
15 Claims. (Cl. 107—49)



1. In apparatus for trimming circular objects, each of said objects being carried by a member having an annular projecting flange and in which portions of the objects extend beyond the flanges of their respective carrying members, a cutter member and a guide member relatively movable with respect to each other, each of said members having a projecting lip, said lips cooperating with said flanges to support the carrying members, the lip on the cutter member also serving to perform the trimming operation on said extended portions of the objects, and means whereby said members resiliently confine the object between them, so that relative movement of the cutter member and the guide member advances the object.

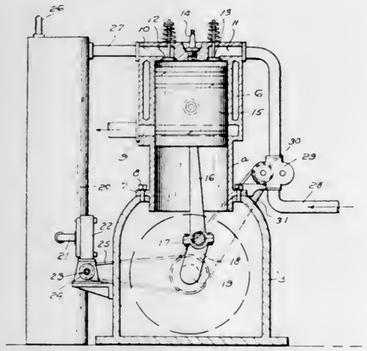
2,381,645
APPARATUS FOR DETERMINING UNBALANCE IN ROTORS
Olof Wilhelm Carlstein, Stockholm, Sweden, assignor to Aktiebolaget Aerotransport, Stockholm, Sweden, a company of Sweden
Application December 16, 1942, Serial No. 469,228
In Sweden November 1, 1941
14 Claims. (Cl. 73—66)

1. An apparatus for determining unbalance in rotors, comprising a frame for receiving and rotatably supporting a rotor with one end thereof free to perform a swinging movement around the point of support of the rotor corresponding to vibrations due to unbalance of the rotor, means for providing a series of indications of the position of a predetermined reference point on the rotating rotor by generating a series of potential impulses having a frequency corresponding to the speed of rotation of the rotor and responsive to the instants at which, during the rotation of said rotor, the predetermined reference point passes a fixed point, a stationary support, a variable condenser associated with said rotor supporting frame and adjustable angularly relatively to the same, said rotor supporting frame forming one plate of said variable condenser, a second plate of said condenser being rotatably mounted upon said stationary support so as to be rotatable about the



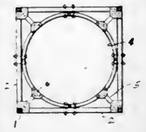
axis of the rotor supported in said rotor supporting frame, a phase indication instrument, electrical means connecting said impulse generating means with said phase indication instrument, and electrical means connecting said condenser with said phase indication instrument.

2,381,646
TWO-CYCLE ENGINE
Fred Carter, Tampa, Fla.
Application January 18, 1943, Serial No. 472,758
2 Claims. (Cl. 123—69)



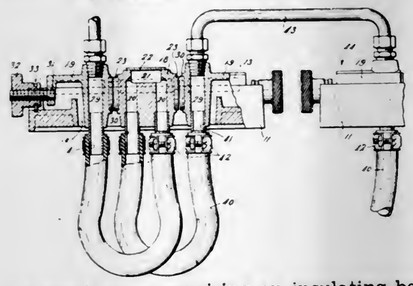
1. In an internal combustion engine a water-jacketed cylinder including a compressed air inlet port and a supercharged fuel port, both at one end of the cylinder and a skirt at the other end of the cylinder, a spring actuated valve for each of the ports, a piston operative in said cylinder, a series of circumferentially spaced exhaust ports at the juncture of the cylinder and the skirt adapted to be uncovered at the completion of the power stroke of the piston; a crank shaft, crank and link connection between the piston and the crankshaft; a fuel supply line for said fuel port; a supercharging pump in said fuel supply line; an air tank with a conduit connected with said compressed-air port, and an air compression pump for said air tank, and belt and pulley drives from said crank-shaft to each of said pumps; whereby the pressure of combustion is partly relieved, when the piston has passed said exhaust ports to admit scavenging air to the cylinder, the spring operated valves being synchronized with said piston.

2,381,647
DERRICK
Alois Cibulka, Highlands, Tex.
Application April 19, 1944, Serial No. 532,023
2 Claims. (Cl. 189—13)



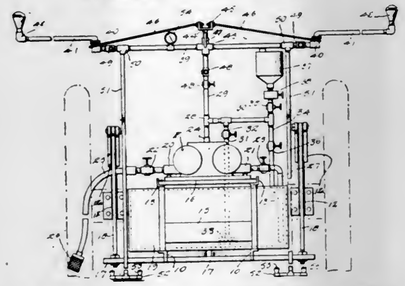
1. A derrick comprising upright corner legs, vertically spaced series of horizontal braces connecting said legs, rigid rings in the horizontal planes of the series of braces and anchored to said braces.

2,381,648
SPARK GAP
Frank W. Curtis, Springfield, Mass., assignor to Van Norman Company, a corporation of Massachusetts
Application June 16, 1943, Serial No. 491,063
9 Claims. (Cl. 250—38)



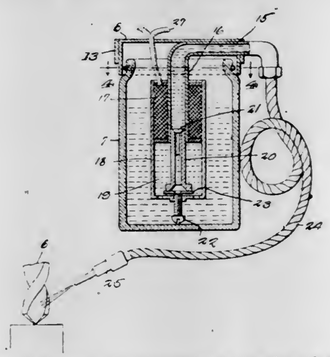
1. A spark gap comprising an insulating base, spaced parallel metallic guide strips molded therein, a pair of sections slotted to receive said guides and forming spark gap surfaces therebetween, and means for adjusting one of the sections on its guide strip.

2,381,649
POWER SPRAYING MACHINE
Samuel L. Dalton, Ysleta, Tex.
Application November 27, 1943, Serial No. 512,018
4 Claims. (Cl. 299—42)



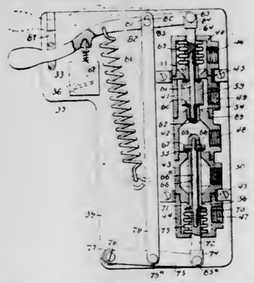
1. A spraying machine comprising a fluid receptacle, a pump having an inlet connected with the receptacle to withdraw fluid therefrom, an outlet for the pump, a fluid discharge pipe connected with and extending upward from the outlet and forming a standard, spraying units connected with and supported by the discharge pipe standard, a take off pipe connected with said discharge pipe, a pipe connected with the take off pipe and leading into the receptacle, a hopper connected with the last mentioned pipe, and valves connected in the last mentioned pipe upon opposite sides of the connection therewith of the take off pipe.

2,381,650
CUTTING FLUID PUMP UNIT FOR DRILLING MACHINES
Joseph A. Dick, Greenock, Pa.
Application March 16, 1943, Serial No. 479,375
1 Claim. (Cl. 103—53)



A fluid pump comprising a casing having an inlet opening, adapted to be submerged in a tank of liquid, a discharge pipe extending into the top of the casing and being connected with the casing, electromagnetic windings within the casing between the pipe and wall of the casing, a plunger constructed of magnetic metal, operating within the discharge pipe adjacent to the electromagnetic windings, and adapted to be moved longitudinally of the discharge pipe when said windings are energized, said plunger having a longitudinal bore flared at its lower end, a screw extending through the bottom of the casing, a disk on the inner end of this screw and against which the plunger moves, whereby fluid within the plunger is forced through the plunger into the discharge pipe, and further inflow of liquid to the plunger is cut off, and a valve adapted to control the passage of fluid through the plunger.

2,381,651
VALVE MECHANISM
Lonnie A. Dickens, Archdale, N. C., assignor to L. A. Dickens Co., Inc., High Point, N. C., a corporation of North Carolina
Application April 15, 1944, Serial No 531,179
11 Claims. (Cl. 277—21)



1. In a valve mechanism of the character described: a support; a valve-housing embodying a

central chamber, two end chambers and intermediate chambers located between the central chamber and the end chambers, and passages with valve seats between the respective chambers; two valve devices in said housing, one of said devices controlling communication between one of said intermediate chambers and the central and end chamber adjacent thereto, the other of said devices controlling communication between the other of said intermediate chambers and the central and end chamber adjacent thereto; means normally holding said valve devices in positions normally to maintain one intermediate chamber out of communication with its end chamber and maintain the other of said intermediate chambers out of communication with said central chamber and in communication with its end chamber; and means cooperating with the aforesaid means for shifting said valve devices to effect communication between said one of said intermediate chambers and the adjacent end chamber and close off communication between that intermediate chamber and the central chamber and to open communication between said central chamber and the other intermediate chamber and close communication between the latter intermediate chamber and the adjacent end chamber; and an outlet for each chamber.

2,381,652

CONTINUOUS STRIP PICKLING

Steve J. Dishauzi, Hollidays Cove, W. Va., assignor to National Steel Corporation, a corporation of Delaware

Original application July 24, 1941, Serial No. 403,902. Divided and this application November 11, 1943, Serial No. 509,893

1 Claim. (Cl. 266—7)



Apparatus for continuous pickling of strip metal comprising a tank for holding a body of pickling solution having a bottom, side walls and end walls, means adjacent the end walls to guide the strip metal through the body of pickling solution in the tank, a conduit extending along the inside of the tank, jets in the conduit directed towards points in the tank along which the adjacent edge of the strip metal travels, and a source of heating fluid connected to the conduit for supplying heating fluid to the jets under pressure so that heating fluid emitted from the jets causes a stream of the pickling solution to impinge on the strip metal.

2,381,653

METHOD OF PRODUCING RAPID DRYING COATING COMPOSITIONS

Folsom E. Drummond, Metuchen, N. J., assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Original application April 10, 1939, Serial No. 266,959, now Patent No. 2,268,022, dated December 30, 1941. Divided and this application September 24, 1941, Serial No. 412,095

9 Claims. (Cl. 106—264)

1. The method of accelerating the rate of drying consisting of incorporating into drying oil a high molecular weight fatty acid glyceride of the class consisting of diglyceride and triglyceride, said fatty acid having 18 carbon atoms and a polyconjugated double bond structure of the formula $(—CH=CH—)_x$, wherein x is equal to a value the lower limit of which is 2 and the upper limit 4; and heating said oil-glyceride mixture to a temperature of from 350° to 450° F. for one-half to one hour.

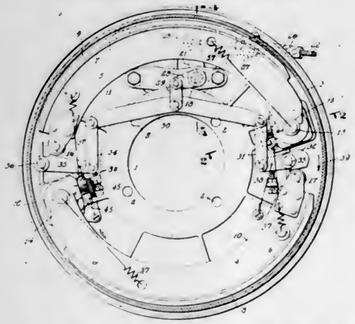
2,381,654

BRAKE

Asbury S. Edmonds, New York, N. Y.

Application July 25, 1942, Serial No. 452,277

8 Claims. (Cl. 188—79.5)



1. In a brake for a vehicle wheel having a brake drum, the combination of a back plate, two primary brake shoes movably supported on said plate, a movable pivot member pivotally supporting one end of each brake shoe and coordinate screws disposed on intersecting lines for moving said pivot members relative to said back plate, one of said screws being arranged to move the pivot member in a direction to center the brake shoe relative to the drum and another of said screws being arranged to move the brake shoe towards the drum to compensate for wear.

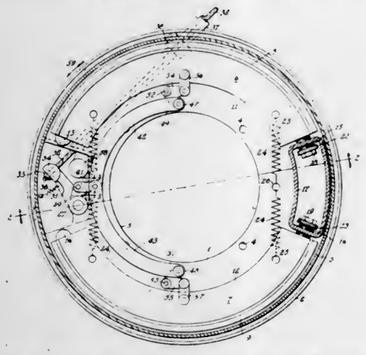
2,381,655

BRAKE

Asbury S. Edmonds, Lowry Field, Colo.

Application February 5, 1943, Serial No. 474,791

11 Claims. (Cl. 188—78)



1. In a vehicle brake, having a back plate and opposed brake shoes, brake operating mechanism comprising an actuating element capable of both longitudinal and lateral movement, opposed arcuate links having adjacent ends pivotally connected to each other and to said actuating element, and oppositely located bell cranks pivotally mounted on said back plate and each having an arm connected with one of said links and another arm connected with a brake shoe.

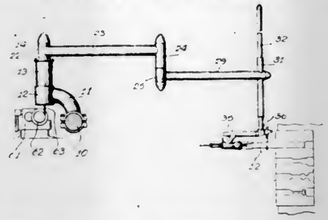
2,381,656

WORK HANDLING MECHANISM

Carolus L. Eksergian and Joseph H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 8, 1942, Serial No. 461,357

7 Claims. (Cl. 212—42.5)



3. Work handling apparatus comprising in combination, a vertical tubular mast, a tubular boom supported at one end by said mast for horizontal swinging movement about the axis of said mast, a vertical tubular member supported by the other end of said boom, said boom being jointed intermediate its ends about a vertical axis, a work holder vertically slidable within said tubular member, means for effecting vertical movement of said work holder, said means extending within said tubular member, boom and mast, and winch means for actuating said first mentioned means.

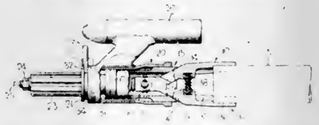
2,381,657

WORK CLAMPING MECHANISM

Carolus L. Eksergian and Joseph H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application October 8, 1942, Serial No. 461,357. Divided and this application May 29, 1944, Serial No. 537,890

4 Claims. (Cl. 294—88)



1. Work handling mechanism comprising in combination, a fixed support, a plurality of work clamping jaws carried by said support and movable toward and away from each other, respectively, into and cut of work clamping position, said jaws having cam surfaces, a sleeve slidably carried by said support for movement toward and away from and engageable with said cam means, compression spring means resiliently urging said sleeve away from said cam surfaces, and means for moving said sleeve against the resistance of said spring means in the direction of said cam means to move said jaws to work clamping position.

2,381,658

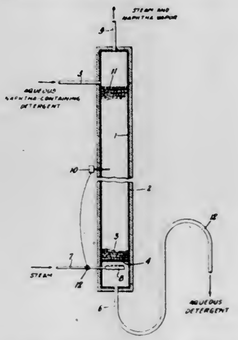
METHOD OF REMOVING VOLATILE ORGANIC MATERIAL

William Alfred Fessler, Camillus, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application March 13, 1942, Serial No. 434,578

12 Claims. (Cl. 202—46)

1. The method of removing a liquid hydrocarbon having a normal boiling point below 150° C., contained in an aqueous detergent solution tending to foam when the concentration of said liquid hydrocarbon in said solution is less than the minimum foam-breaking concentration of said hydrocarbon in said solution, which comprises passing said solution down through an evaporating column countercurrently to a flow of hot inert gaseous evaporating medium, including in the solution near the top of the countercurrent flow in



the column a concentration of said hydrocarbon at least equal to said minimum foam-breaking concentration, and controlling the rate of flow of the gaseous evaporating medium so as to maintain in the solution at the top of the countercurrent flow in the column, a concentration of said hydrocarbon at least equal to said minimum foam-breaking concentration.

2,381,659

REGENERATION OF CATALYTIC MATERIAL

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 18, 1941, Serial No. 423,536

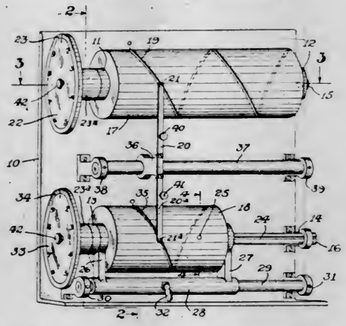
11 Claims. (Cl. 252—240)



1. A process for the regeneration of sulfur-poisoned solid contact metal and metal oxide hydrogenation catalysts comprising in combination the steps of roasting the catalyst in air at 900° to 1200° F. to remove combustible material, to lower the sulfur content and to form sulfur salts, cooling the catalyst and contacting it with an aqueous solution of an alkali metal carbonate to convert soluble salts of the catalyst metal to insoluble carbonates, washing away the soluble material with water, roasting the catalyst in air at 600° to 700° F. to drive off gases and form

oxides, contacting the catalyst with a solution containing at least one metal nitrate the solution having nitrate ions in an amount from 1 to 2 times that amount equivalent stoichiometrically to the positive metal ions therein to convert water insoluble sulfur to a soluble form, roasting the catalyst in air at 600° to 700° F. to drive off gases and form oxides, cooling the catalyst and contacting it with an aqueous solution of an alkali metal carbonate to convert soluble salts of the catalyst metal to insoluble carbonates, washing away the soluble material with water, and drying the catalyst prior to re-use.

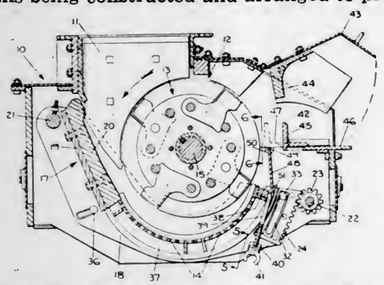
2,381,660
CALCULATING MACHINE
Jean Friedlander, Brooklyn, N. Y.
Application October 30, 1941, Serial No 417,063
1 Claim. (Cl. 235—61)



In a calculating machine, a base, a rotatable cylinder, a second rotatable cylinder, shafts supporting said cylinders on said base, said second cylinder being bodily shiftable along its supporting shaft, means providing a shiftable mounting for said second cylinder on its shaft comprising means for preventing movement of said cylinder therealong, means for transmitting bodily movement to the second cylinder upon rotation of the first cylinder when said preventing means is ineffective, and for transmitting rotary movement to the first cylinder upon rotation of the second cylinder when said preventing means is effective, and separate indicating means including a dial connected to each cylinder and rotatable therewith whereby the relative positions of said cylinders may be visually determined.

2,381,661
CRUSHER
John T. Fowler, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 3, 1943, Serial No. 493,413
6 Claims. (Cl. 241—89)

2. In a crusher, a main frame, a rotor therein, a pivoted screen frame, arcuate screen guides in said screen frame, an arcuate screen receivable in said screen frame, a cross member extending above the free end of said screen frame and mounted on said main frame for sliding movement toward and from the axis of said rotor, means for adjusting said screen frame relative to said cross member, a closure member extending between said cross member and the free end of said screen frame and supported on said main frame, and means providing for removal of both said closure member and said cross member out of the path of said screen while it is being removed from said screen frame, said last named means being constructed and arranged to provide



for sliding of said cross member out of said path and radially from the axis of said rotor.

2,381,662
CONCENTRATION OF ORES
Antoine M. Gaudin, Newtonville, Mass.
No Drawing. Application January 26, 1944, Serial No. 519,818
9 Claims. (Cl. 209—166)

1. A process for treating ores containing cassiterite and siderite which comprises, treating the pulped ore with a reagent containing an amine having a non-aromatic hydrocarbon chain having at least 12 carbon atoms at a pH of about 11 to about 12.5, aerating, and removing siderite adhering to air from the cassiterite-enriched pulp.

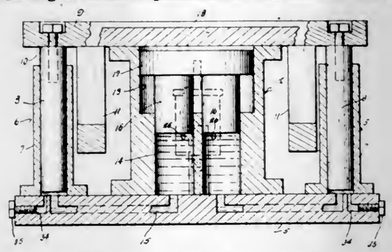
2,381,663
DISPLAY HEAD
Lillian L. Grenecker, New York, N. Y.
Application June 8, 1944, Serial No. 539,352
2 Claims. (Cl. 35—59)



1. A display head comprising a head shell, a hair-simulating portion composed of a base of resilient material supported by said shell and having an outer wavy configuration resembling the wavy configuration of a waved coiffure, to which wavy configuration the resilient material returns after compression, and a sheet of fabric adhesively secured to said shell and draped over and secured to said base of resilient material and conforming to the outer wavy configuration thereof and surface-decorated to simulate a coiffure.

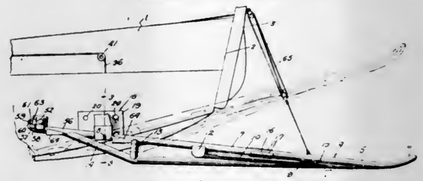
2,381,664
HYDRAULIC LIFT
Carl Victor Hansen, Cedar Falls, Iowa
Application January 13, 1944, Serial No. 518,141
5 Claims. (Cl. 22—48)

1. A hydraulic lift comprising a plurality of spaced hydraulic lifting jacks having vertically movable pistons, a lift frame supported on said pistons, a plurality of pumps arranged between and adapted for supplying power transmission fluid under pressure to said lifting jacks, there being one pump for each jack, and each pump including a vertically movable piston, a single actuator for all of the pump pistons, and power means for moving said actuator, said actuator comprising a master piston having the pump pis-



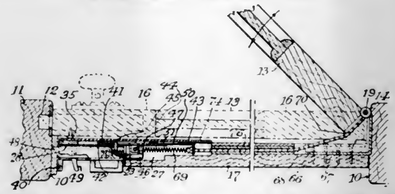
ton connected directly to the bottom face thereof, and a master cylinder for said master piston, and means for controlling the admission of fluid under pressure to opposite ends of said master cylinder.

2,381,665
OBSTACLE PLOW
Andrew J. Higgins, Jr., New Orleans, La.
Application July 24, 1944, Serial No. 546,282
12 Claims. (Cl. 114—219)



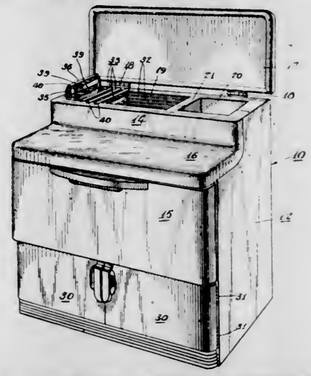
1. Obstacle plow adapted to be mounted in front of the bow of a landing craft, comprising side members convergent forwardly to an apex and spaced apart at the rear to a width greater than that of the bow and extending rearwardly along the sides of the bow, means for pivotally connecting said plow to said landing craft on a horizontal transverse axis at intermediate points of said side members, and stop means secured to said landing craft rearwardly of said connecting means, engageable with the rearwardly extending portions of said side members for determining the working position of said plow.

2,381,666
COMBINATION OUTER DOORS FOR DWELLINGS
Ora A. Hinton, Long Island City, N. Y., and Louise De Stramp, Washington, D. C.
Application May 29, 1942, Serial No. 445,062
4 Claims. (Cl. 160—95)



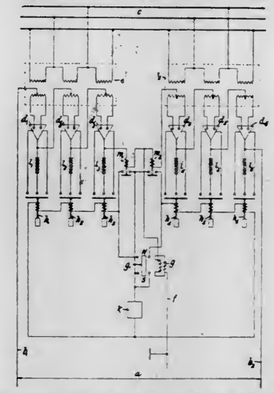
1. In combination, a house door for dwellings, a companion door mounted to operate through a single frame with said house door, said doors being connected as a unit, a knob on said house door, an open frame on said companion door adapted to receive the knob when said doors are joined as a unit, a shutter adapted to cover and uncover said open frame, and means adapted to uncover said opening on the approach of said house door.

2,381,667
REFRIGERATION
Dan H. L. Jensen and Emil Harman, Philadelphia, Pa., assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 23, 1943, Serial No. 507,432
6 Claims. (Cl. 62—89)



1. For a well-type freezing compartment, an ice forming unit adapted for introduction into and removal from said compartment, said unit comprising a substantially rectangular frame, means carried by the frame and disposed for engagement with portions of the compartment to suspend the frame substantially vertically therein, and a plurality of elongated tray-like members pivotally carried by the frame so that said tray members automatically assume an upright superimposed relationship upon placing the frame in substantially vertical position and automatically assume an upright side-by-side relationship upon placing the frame in substantially horizontal position.

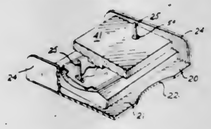
2,381,668
EARTH FAULT PROTECTION ARRANGEMENT
Julius Jonas, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application July 16, 1943, Serial No. 495,023
In Switzerland March 27, 1942
9 Claims. (Cl. 175—363)



1. An arrangement for the earth fault protection of a direct-current network, particularly for

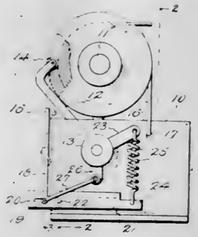
high voltages supplied by controllable discharge tubes connected in series, where an inner voltage point of said series is earthed through a protective relay which is actuated by the earth fault current flowing through the earth conductor, characterised by the feature that a selectively operating relay is used as the protective relay which on the occurrence of an earth fault on one of the network conductors depending upon the direction of the earth fault current in the earth conductor only renders that part of the series of discharge tubes non-conductive which lie between the earth conductor and the network conductor which has the earth fault.

2,381,669
RAZOR BLADE SHARPENER
Elmer T. Knitter, Redwood City, Calif.
Application November 23, 1943, Serial No. 511,401
10 Claims. (Cl. 51—59)



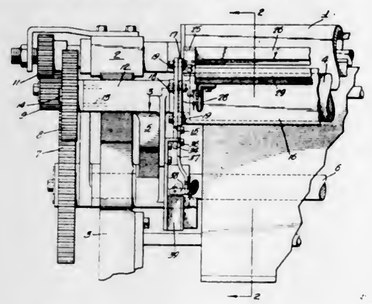
9. A sharpening device for operating on a safety razor blade, comprising a frame, blade positioning means therein, a lower weighted abrasive member with elongated slots to receive said positioning means and to allow restricted relative movement of said member in said frame, and an upper weighted abrasive member with means to allow restricted relative movement of said upper member in relation to said lower member.

2,381,670
AUTOMATIC TENSION CONTROL FOR LETOFF MECHANISM OF LOOMS
Yervant H. Kurkjian, Clifton, N. J.
Application January 25, 1944, Serial No. 519,664
6 Claims. (Cl. 139—107)



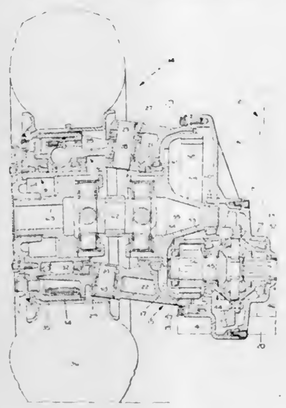
1. An automatic let-off control of the class described comprising a beam, a warp carried by the beam, a tension control arm contacting and controlled by the amount of warp carried by the beam, a brake means for said beam, a lever means controlling the brake, tension means connecting the lever means with the arm to hold the arm at all times in contact with the warp, the movement of the arm being adapted to automatically control the pressure upon said brake control lever means to maintain a uniform tension upon the warp, connecting means between the brake and the lever means, and means linking said arm with said connecting means for automatically shifting the connecting means relative to the lever means to automatically adjust the leverage of said lever means as said arm is swung.

2,381,671
SAFETY DEVICE
Lawrence A. Ladner, Camden, N. J., assignor to F. F. Slocomb Corporation, Wilmington, Del., a corporation of Delaware
Application October 21, 1942, Serial No. 462,856
4 Claims. (Cl. 69—43)



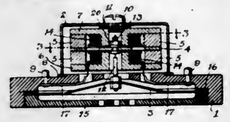
1. In a machine of the character described, a roll, a traversable companion roll, roll-operating mechanism, guard means traversable with the said companion roll, said guard being spaced from the said companion roll so as to form therebetween a narrow passage through which the work is passed between the rolls, and control means for said mechanism operatively associated with the guard means.

2,381,672
SHUTTLE CAR
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application November 28, 1944, Serial No. 565,555
6 Claims. (Cl. 180—43)



6. A power driven steerable wheel assembly including a frame bracket and housing adapted to be attached to a vehicle frame, a large internally toothed gear mounted on a horizontal axis in said frame bracket and housed thereby, a wheel bracket pivotally mounted on said frame bracket for pivotal movement on an upwardly extending axis, a wheel on said wheel bracket, universal joint means interconnecting said large gear and said wheel, and a pinion gear mounted in said frame bracket on a horizontal axis below said first named horizontal axis and meshing with said large gear at its lowest point.

2,381,673
ELECTROMAGNETIC DEVICE
Henry Lehde, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 6, 1942, Serial No. 437,743
3 Claims. (Cl. 179—119)

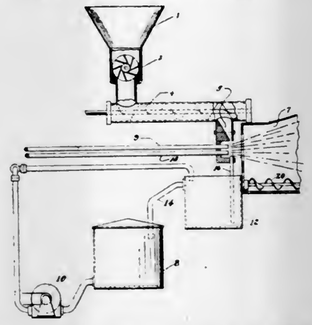


1. In an electromagnetic device, an armature, a supporting structure therefor comprising yoke members arranged on opposite sides of said armature and having hollow cores forming unobstructed channels therethrough, said cores being in opposed relation to each other and inwardly directed toward said armature with the inner ends of said cores spaced therefrom, coils surrounding said cores, a magnet at least partially surrounding each coil, a base member, a diaphragm supported therein, a drive pin extending from said diaphragm through the channel in one of said cores and said armature and into the channel of the other core, and means positioned in and accessible through the latter channel for fixedly securing said armature to said drive pin.

2,381,674
PROCESS OF PRODUCING TUNGSTEN CONTAINING FERROUS ALLOYS
Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 8, 1941, Serial No. 401,468
3 Claims. (Cl. 75—133)

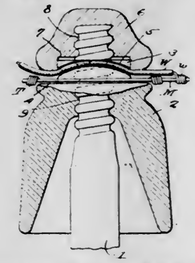
1. A process for the production of tungsten containing ferrous alloys which comprises adding tungsten substantially entirely in the form of tungsten monoxide to the ferrous metal, reducing the monoxide and absorbing the tungsten in the ferrous metal.

2,381,675
BRIQUETTES FOR ALLOYING
Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
Application December 12, 1941, Serial No. 422,674
4 Claims. (Cl. 75—133)



1. A process for the production of alloying briquettes which comprises blowing a finely divided metallic oxide selected from the group consisting of the oxides of molybdenum, tungsten and vanadium into a chamber, simultaneously spraying into said chamber a liquified carbonaceous binding material to cause the metallic oxide and carbonaceous material to be intimately mixed, dividing the mixture and subjecting it to pressure to form dense self-reducing alloying briquettes of the metallic oxide.

2,381,676
INSULATOR
Martin D. Mathews, Indianapolis, Ind.
Application May 15, 1944, Serial No. 535,711
1 Claim. (Cl. 174—156)



The combination with a main wire, a tie wire secured at its ends to the main wire, and a connecting wire joined at one end to the main wire, of an insulator including a threaded pin constituting a support, an insulator section engaging and supported by the pin, an upstanding boss concentric with the upper ends of the section and projecting between the main wire and the tie wire, there being an annular shoulder at the base of the boss for supporting said wire and a groove in the boss, said groove being inclined downwardly toward its end and providing a seat for the connecting wire, and a cap of insulating material engaging and housing the upper end of the pin, said cap having a recess proportioned to receive and house a portion of the boss and that portion of the wire contained within the groove, thereby to maintain a dry spot in the connecting wire and within the insulator.

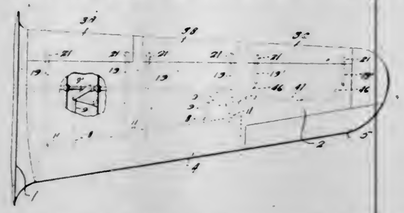
2,381,677
PROCESS OF TREATING CATALYSTS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application February 7, 1942, Serial No. 429,958
18 Claims. (Cl. 260—680)

1. In a process for the catalytic dehydrogenation of a hydrocarbon, the method for reducing the induction period of the catalyst for said dehydrogenation, which comprises heating the catalyst at an elevated temperature in an atmosphere containing free hydrogen and subsequently flushing the catalyst for a period not in excess of several minutes with a gas comprising a substantial proportion of a hydrocarbon that is more unsaturated than the hydrocarbon which is to be dehydrogenated in the process, and thereafter passing the hydrocarbon that is to be dehydrogenated and that is substantially free from more-unsaturated hydrocarbons over the flushed catalyst.

2,381,678
AIRPLANE WING
Frank R. Maxwell, Rose Valley, Pa.
Application February 11, 1942, Serial No. 430,317
8 Claims. (Cl. 244—42)

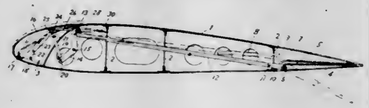
1. An airfoil comprising a main airfoil section and an auxiliary airfoil arranged relative to the

leading edge of the main section to form a slot, said auxiliary airfoil being characterized by the fact that the angle of incidence of the profile



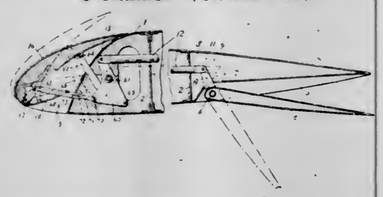
sections thereof taken at a plurality of different points in its longitudinal extension diminishes progressively in a direction from the root toward the tip of the main airfoil section.

2,381,679
AIRPLANE AND CONTROL DEVICE THEREFOR
Frank R. Maxwell, Rose Valley, Pa.
Original application November 12, 1940, Serial No. 365,347. Divided and this applicaton March 17, 1943, Serial No. 479,433
2 Claims. (Cl. 244—42)



1. An airfoil comprising a main section, a slot cover movably mounted adjacent to the leading edge of the main section and adapted to be moved to open and close a slot, mechanism for moving the slot cover to open and close the slot and a stop operative to limit the cover closing movement of said mechanism when the slot is fully closed, said mechanism being arranged to be in at least a dead center position with respect to slot opening movement of the cover when the slot is fully closed and to be moved out of dead center position to move the cover to open the slot.

2,381,680
AIRPLANE AND CONTROL DEVICE THEREFOR
Frank R. Maxwell, Rose Valley, Pa.
Original application November 12, 1940, Serial No. 365,347. Divided and this application March 17, 1943, Serial No. 479,434
3 Claims. (Cl. 244—42)



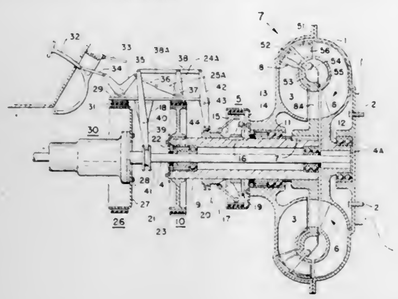
1. An airplane wing having a slot adjacent its leading edge extending transversely to the line of flight, an upper cover for the slot pivotally supported from the wing, a lower cover for the slot, and interconnected members forming operative connections between said covers whereby they may be rendered cooperatively operative, said operative connections between the upper and lower slot covers comprising means whereby the lower cover will be initially moved toward its open position before initial effective opening movement of the upper cover and whereby the lower cover will remain in fully opened position throughout the range of effective opening of the upper cover.

2,381,681
AIRPLANE AND CONTROL DEVICE THEREFOR
Frank R. Maxwell, Rose Valley, Pa.
Original application November 12, 1940, Serial No. 365,347. Divided and this application March 17, 1943, Serial No. 479,435
4 Claims. (Cl. 244—42)



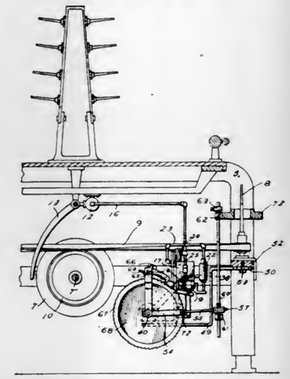
1. An airfoil comprising a main section and a slot cover supported adjacent the leading edge of the main section and adapted to be opened to form a slot, a rear flap supported from the main section and members forming interconnected operative connections between said cover and flap whereby they may be rendered cooperatively operative, said operative connections being so arranged that said members will assume relative positions such that independent of increase in the angle of attack of the airfoil in flight as the slot cover opens the force transmitted to the flap through the operative connections increases from about zero in the closed position of the cover to a maximum in its fully opened position to substantially balance the increased force exerted by the flap as it moves to operative positions.

2,381,682
POWER TRANSMITTING APPARATUS
Stanley Mayner, Cleveland, Ohio
Application May 13, 1941, Serial No. 393,237
9 Claims. (Cl. 60—54)



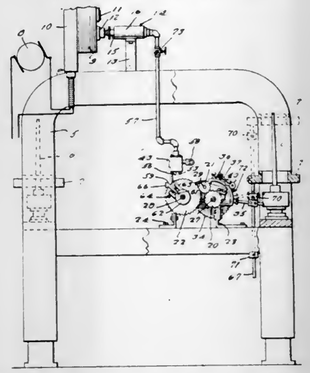
6. A power transmitting apparatus comprising a fluid impeller, a member driven by the fluid, a torque transmitting shaft attached to said driven member, a reaction member interposed between the impeller and the driven member, a sleeve around said shaft and attached to said reaction member, means adapted to hold said sleeve against rotation, a second means adapted to attach said sleeve to said impeller thereby causing the impeller and reaction member to rotate as a unit, and torque responsive means positioned in said torque transmitting shaft controlling said first and second means.

2,381,683
STOP MOTION FOR TEXTILE MACHINES
Herman T. Overbey, Wadesboro, N. C., assignor of one-third to J. F. Martin and one-third to H. P. Taylor, both of Wadesboro, N. C.
Application December 7, 1943, Serial No. 513,276
12 Claims. (Cl. 57—79)



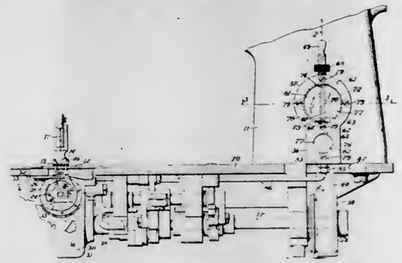
1. A stop motion for a textile machine of the class described and in which a part of the machine has continuous reciprocatory motion, said stop motion including means for interrupting operation of the machine, mechanism having step-by-step movement operatively connected to the said reciprocating part and including a dial and a valve actuating arm movable relative to the dial and operated by said mechanism, and pneumatic means providing an operative connection between the stop motion and said mechanism and including a valve in the path of movement of said arm for actuation of the stop motion upon completion of a predetermined number of strokes of the said reciprocating part.

2,381,684
STOP MOTION FOR TEXTILE MACHINES
Herman T. Overbey, Wadesboro, N. C.
Application December 15, 1944, Serial No. 568,301
6 Claims. (Cl. 57—79)



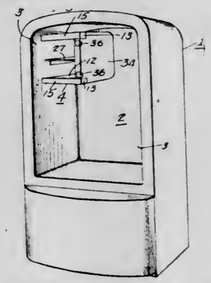
1. The combination with a textile machine embodying a vertically reciprocating ring rail, power-driven operating means for the ring rail, and a device operable to throw said operating means out of operation, of an automatic stop motion for the operating means including a pneumatically operated actuator for said device, a valve for controlling the operation of said actuator, a train of gearing including a driven gear, ratchet mechanism for operating said gearing including an actuating lever operable by the ring rail, and a cam element rotatable with the driven gear and arranged to open said valve to cause operation of the actuator upon completion of each revolution of said driven gear.

2,381,685
LUBRICATING DEVICE FOR SEWING MACHINES
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application December 18, 1941, Serial No. 423,429. Divided and this application August 6, 1942, Serial No. 453,779
15 Claims. (Cl. 112—256)



1. In a sewing machine a rotary shaft having a longitudinal bore open at one end of said shaft, a loop-taker carried by the opposite end of said shaft and provided with a thread-carrier raceway having lubricant-conducting connections with said shaft bore, lubricant-impelling means carried by the open-bore end of said shaft externally of the shaft, a sleeve surrounding said lubricant-impelling means of the shaft in spaced relation thereto and having a lubricant-inlet duct terminating in the shaft opening of the sleeve, an end-closure for said sleeve disposed in engagement with the adjacent end of said shaft and provided in its face proximate to said shaft with a lubricant-clearance recess leading to said bore of the shaft, and means for supplying lubricant to the duct of said sleeve.

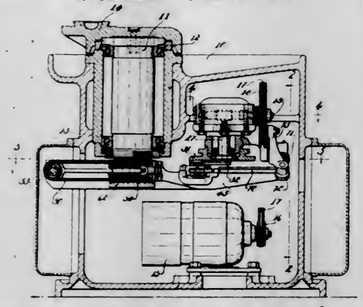
2,381,686
EVAPORATOR
Frank D. Peltier, Horsham, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 26, 1944, Serial No. 524,106
12 Claims. (Cl. 62—126)



1. An evaporator construction comprising a substantially C-shaped body member having top, end and bottom walls, a feeding header adjacent

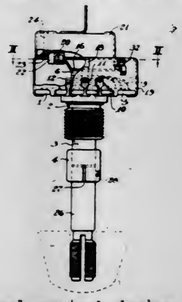
the outer edge portion of said bottom wall, and a suction header adjacent the outer edge portion of said top wall, said body member having refrigerant channels each of which has one end terminating in open communication with said feeding header and the other end terminating in open communication with said suction header.

2,381,687
DRIVE FOR OSCILLATING GRINDERS
Roger S. Pyne, Springfield, and Edward A. Allen, Westfield, Mass., assignors to Van Norman Company, a corporation of Massachusetts
Application November 14, 1941, Serial No. 419,094
2 Claims. (Cl. 74—82)



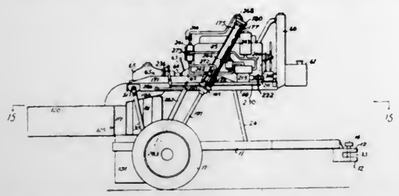
1. In an oscillating grinder, a work-carrying post, a drum rotatably adjustable on the post and having top and bottom grooves and a pair of intermediate grooves, a constantly driven shaft, a crank carried on the shaft, a slide member guided for straight line motion tangent to the drum and having ways transverse to its path to receive the crank, and a substantially non-extensible flexible member attached at its ends to the slide member at one side of the drum, passing in parallel strands around the drum and attached at the other side of the drum to the slide member, said second attachment comprising a pulley around which the flexible member passes, said flexible member passing onto the drum in said upper and lower grooves and leaving it in said intermediate grooves, and a clamp holding the flexible member to the drum.

2,381,688
CIRCUIT CONTROLLING DEVICE
Vincent N. Reiff, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application July 13, 1942, Serial No. 450,683
3 Claims. (Cl. 200—6)



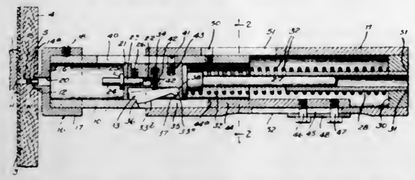
1. An electrical control device for radio circuits and the like, comprising circuit-controlling means, a rotatable stub shaft for actuating said means, and a socket member secured to the outer end of the stub shaft for receiving and frictionally gripping one end of a removable knob-carrying shaft for detachably connecting them together.

2,381,689
DITCH DIGGER
Albert B. Roehr, Sarasota, Fla.
Application October 23, 1943, Serial No. 507,406
10 Claims. (Cl. 37—81)



1. A ditch digger comprising a main wheeled frame and an upper frame mounted for up and down movement relative to the main frame, an engine mounted on the upper frame, a vertically disposed rotatable screw mounted on the upper frame and geared to the engine to be rotated thereby while the main frame is being moved over the ground, a member secured to the upper frame and projecting downwardly and having a semicircular portion disposed behind the lower portion of the screw for assisting the rotating screw in raising the earth loosened by the screw, said member having rearwardly diverging vanes disposed above the semicircular portion for directing the raised earth laterally of the furrow formed by the screw, and means driven by the engine for raising and lowering the upper frame and its associated screw, the semi-circular portion having rearwardly directed parallel members secured to the outer edges thereof for pressing the walls of the ditch to prevent easy dislodgment of the earth in the walls of the ditch formed by the screw as the main frame is moved forwardly, the upper end of the screw having substantially vertically disposed vanes fixed thereon for deflecting the earth laterally which is raised by the screw.

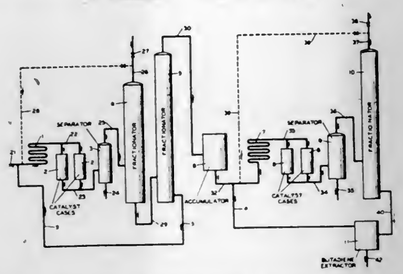
2,381,690
RIVETING APPARATUS
Paul Schultze, Danbury, Conn., assignor to Doran Brothers, Incorporated, Danbury, Conn., a corporation of Connecticut
Application November 3, 1942, Serial No. 464,421
4 Claims. (Cl. 218—19)



1. Two tubular telescopic casing members the inner of which has at its forward end apertured presser means and has a slot in its wall extending from its rear end to an intermediate point, a striker head slidably supported for axial movement in said inner member and having a striker aligned with said apertured presser means and having a latch to coact with the end of said slot at said intermediate point in said inner member, said outer member having a part for

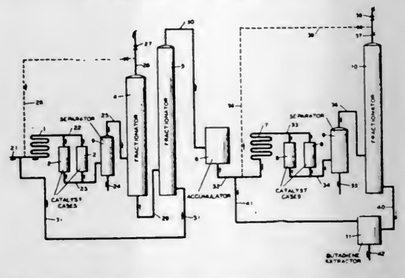
slidable engagement within said slot to engage and actuate said latch upon movement of the outer member toward said presser means, and spring means interposed between the rear of said outer member and said striker head to become stressed prior to actuation of said latch by said part.

2,381,691
PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 15, 1940, Serial No. 352,786
6 Claims. (Cl. 260—680)



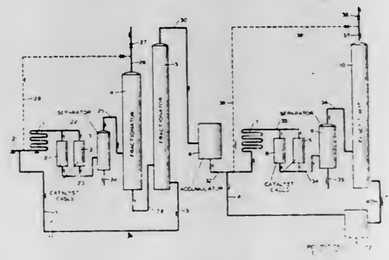
6. A process of preparing butadiene from n-butane which comprises passing said n-butane over a dehydrogenation catalyst in a first dehydrogenation stage under such conditions as to produce a mixture comprising butene-1, butadiene, butene-2, and n-butane, fractionally distilling said mixture to produce an overhead fraction comprising said butene-1 predominantly and some butadiene and a bottom fraction comprising essentially said butene-2 and n-butane, continuously recycling said bottom fraction to said first dehydrogenation stage for further conversion along with said first-named n-butane under conditions such that isomerization of said recycled butene-2 to butene-1 and dehydrogenation of said recycled n-butane take place, and passing said overhead fraction over a dehydrogenation catalyst in a second dehydrogenation stage under such conditions as to produce butadiene.

2,381,692
PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 15, 1940, Serial No. 352,787
2 Claims. (Cl. 260—680)



1. A process for producing butadiene from n-butane which comprises continuously passing n-butane over a bauxite-metallic oxide dehydrogenation catalyst of relatively high catalytic activity at temperatures within the range of 950–1100° F. in a first dehydrogenation step to produce olefins comprising butene-1 and butene-2, separating butene-2 and unconverted butane from the effluents of the first dehydrogenation step, recycling the butene-2 and butane to the first dehydrogenation step for isomerization of the butene-2 to butene-1 and conversion of the butane to olefins, separating butene-1 from the effluents of the first dehydrogenation step, and passing the butene-1 over a less active bauxite dehydrogenation catalyst at temperatures within the range of 1100–1300° F. in a second dehydrogenation step for conversion of butene-1 to butadiene.

2,381,693
PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 7, 1940, Serial No. 355,710
8 Claims. (Cl. 260—680)

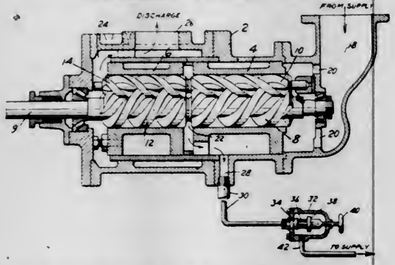


2. A process for preparing pentadiene from n-pentane which comprises contacting said n-pentane with a dehydrogenation catalyst in a first dehydrogenation step to convert at least a portion of the pentane to olefins comprising pentene-1 and pentene-2, separating pentene-2 and unconverted pentane from the effluent of the first dehydrogenation step, recycling pentene-2 and pentane to the first dehydrogenation step for isomerization of the pentene-2 to pentene-1 and conversion of pentane to olefins, separating pentene-1 from the effluent of the first dehydrogenation step, contacting said pentene-1 with a dehydrogenation catalyst in a second dehydrogenation step for conversion of pentene-1 to pentadiene, separating the pentadiene from the effluent of the second dehydrogenation step, and recycling unconverted pentenes to the second dehydrogenation step.

2,381,694
RUBBER DERIVATIVE COMPOSITION
Paul H. Scrutchfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1941, Serial No. 381,400
1 Claim. (Cl. 117—146)

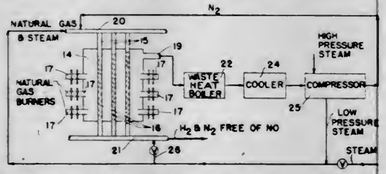
As a new article of manufacture, transparent regenerated cellulose wrapping sheeting carrying a clear unpigmented film comprising chlorinated rubber, and, as a stabilizer for said chlorinated rubber from about 0.1% to about 25% by weight of a light metal naphthenate.

2,381,695
PUMPING SYSTEM
Morgan B. Sennet, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey
Application March 11, 1943, Serial No. 478,752
2 Claims. (Cl. 103—11)



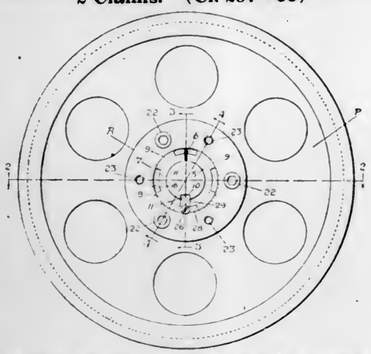
1. In combination, a positive displacement multiple screw pump, a second positive displacement multiple screw pump operating in unison with the first and having at least one screw coaxial with a screw of the first and operating at the same rotary speed, the second pump having a greater liquid displacement per unit time than the first pump, said pumps having a common housing and receiving and delivering liquid axially of the screws and the progress of liquid in both pumps being in the same axial direction so that the first pump receives directly the liquid discharged from the second pump, means for directing liquid to the inlet of said second pump, means for directing liquid from the outlet of the first pump, means for directing liquid from the region of the housing between the pumps, and means for regulating the pressure in the last mentioned means.

2,381,696
PRODUCTION OF HYDROGEN-NITROGEN MIXTURES
James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 19, 1940, Serial No. 370,747
10 Claims. (Cl. 23—212)



1. The method of producing factor gases free of nitrogen oxide and adaptable for the synthesis of ammonia, which comprises burning a hydrocarbon gas in the presence of air in a furnace provided with a plurality of catalysis tubes to produce a flue gas with an oxygen content of not more than about 4%, and containing substantially more than one part per million of nitrogen oxide, cooling and removing from the flue gas substantially all the sensible heat corresponding to that above the temperature at which a mixture of a hydrocarbon gas reacts with steam to yield a substantial proportion of hydrogen, admixing the cooled flue gas with a preformed gaseous mixture of a hydrocarbon gas and steam to produce a gaseous admixture of hydrocarbon gas, steam, and said cooled flue gas, passing the gaseous admixture through a catalyst mass containing nickel as an essential constituent, the catalyst mass being positioned in the catalysis tubes in said furnace and the said tubes substantially uniformly heated externally whereby the catalyst mass is maintained with an increasing temperature to about 1600° F. near the exit thereof, and withdrawing therefrom a gaseous mixture containing hydrogen, nitrogen and oxides of carbon and free of nitrogen oxide.

2,381,697
HUB STRUCTURE
Frank B. Shepard, Texon, Tex.
Application April 27, 1944, Serial No. 533,001
2 Claims. (Cl. 287—53)



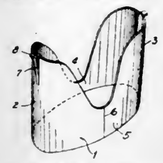
1. Means for securing to a shaft a mechanical element having a hub opening, such as a pulley, gear, wheel and the like, comprising a sleeve for surrounding the shaft and for insertion within the hub opening, means for locking the sleeve to the shaft, means for locking the sleeve to the element, one extremity of the sleeve being provided with an extension, a retaining and pulling ring freely surrounding said extension and provided with inwardly disposed lugs for contact with the adjacent end of the sleeve when pressure is imposed upon the ring member, outstanding spaced lugs carried by the outer extremity of the extension and behind which the lugs of the ring member are to be positioned for contact to impose pull upon the sleeve when pull is imposed upon the ring member, means for imposing push or pull upon the ring member, and means carried by the sleeve and engaging between adjacent lugs of the ring member to lock the ring member against rotation around the sleeve.

2,381,698
PLUMB BOB
Gesualdo Sireci, Brooklyn, N. Y.
Application September 1, 1944, Serial No. 552,249
3 Claims. (Cl. 33—216)



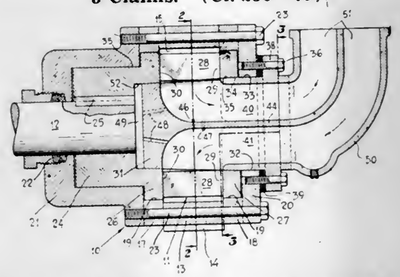
1. In a plumb bob, in combination, a tapered solid body, a threaded stub formed on an end of said body, a pin holding stud extending from said stub, the stub and stud being formed integrally with said body, a pin carrier having a threaded recess in one end and an axial bore extending from said recess and presenting a bevelled pin seat, said carrier being arranged for threaded attachment to the body through connection of said threaded stub and threaded recess, a pin having a bevelled head portion for seating on said bevelled pin seat and the pin extending through said bore and projecting from the free end of said carrier to present a tip for said plumb bob and said stud being arranged to engage and hold the pin securely on said seat when the carrier is threaded into position on said stub.

2,381,699
PISTON EXPANDER
Dallas M. Smith, Kirkwood, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application June 14, 1944, Serial No. 540,253
7 Claims. (Cl. 309—12)



1. A piston expander comprising, a generally oval body having portions at the ends of its major axis for engaging the interior surface of piston faces, connecting portions therebetween, a U-shaped cutout open at the upper edge in each of said connecting portions to accommodate the projections on the interior of the piston.

2,381,700
ROTARY PUMP
Lloyd S. Smith, Tustin, Calif.
Application October 4, 1943, Serial No. 504,892
3 Claims. (Cl. 230—79)



1. Apparatus of the character described comprising a case containing a chamber, a rotor within said chamber and having peripheral portions spaced from the wall thereof, circularly spaced vanes on the rotor, a body of liquid surrounding and displaced by the rotor radially within said chamber to create within displacement chambers between said vanes spaces of varying volume, a stationary hub extending through an end wall of the case and having a tapered surface engaging a tapered bore within the rotor and having adjacent said tapered surface a cylindrical surface within a cylindrical bore in the rotor, inlet and outlet passages in said hub communicable with said displacement chambers, and a mounting for the hub on the case permitting axial and rotational adjustment of the hub relative to the rotor.

2,381,701
PRODUCTION OF CONDENSATION PRODUCTS OF ACETYLENE
Hanns Peter Staudinger, Ewell, and Karl Heinrich Walter Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application March 6, 1942, Serial No. 433,630. In Great Britain December 20, 1940
7 Claims. (Cl. 260—644)

1. A process for the production of a 1-nitropropene having in the 1-position a substituent which is a member of the class consisting of hydrogen and alkyl groups which comprises condensing acetylene in the liquid phase with a nitro-paraffin, in which the nitro-group is attached to a terminal carbon atom, at a temperature not in excess of 100° C. and in the presence of a condensation catalyst consisting of a mercuric salt of an inorganic acid.

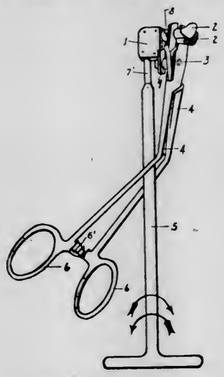
2,381,702
POLYMERIZATION INITIATOR
William D. Stewart, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application August 23, 1941, Serial No. 408,105
6 Claims. (Cl. 260—84.5)

1. In a process of polymerizing by addition polymerization a polymerizable unsaturated organic compound which contains a methylene group attached by an olefinic double bond to a carbon atom in the structure

$$CH_2=C\diagup$$

and which undergoes an addition polymerization to form a high molecular weight linear polymer, the step which comprises associating a periodate with the unsaturated organic compound prior to the polymerization to initiate the polymerization.

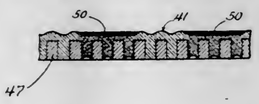
2,381,703
WIRE TWISTING PLIER
Jamie Thompson Stinson, Jonesboro, La.
Application March 19, 1943, Serial No. 479,687
4 Claims. (Cl. 140—149)



1. A wire twisting device of the character described, comprising a body member, a pair of plierlike members pivotally connected together and mounted supportedly at their place of connection on said body member, a normally open split spring beak assembly mounted rotatably on

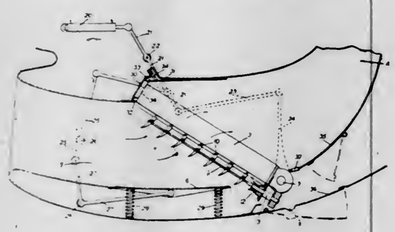
said body member about an axis substantially parallel with the axis of the pivotal mounting of said plierlike members and in cooperative relation to said members to be thereby moved into closed gripping engagement with a wire ligature in its utilitarian application, a manually operable shaft having an end portion mounted rotatably on said body member about an axis substantially at right angles to the axis of said rotatable beak assembly, and a geared driving connection between said shaft and said beak assembly.

2,381,704
METHOD OF PREPARING PRINTING PLATES
Bennett F. Terry, Stamford, Conn.
Original application April 30, 1941, Serial No. 391,101. Divided and this application October 23, 1942, Serial No. 463,020
5 Claims. (Cl. 101—149.1)



1. The herein described method of producing a plate for ink and dye printing which includes the step of providing a woven wire screen or carrier the weave of the wire presenting a toothed or grained surface, the further step of applying a thin film of photo-sensitive halide emulsion to said surface, whereby the outer surface of said emulsion substantially conforms to the tooth or grain of said surface, said emulsion also filling the perforations between the wires, the step of exposing said plate photographically, the step of developing, fixing and washing said plate, and the final step of placing the then developed and fixed plate in a tanning solution for hardening, shrinking and smoothing the stronger portions of the developed image below the surface of the plate, the weaker portions of said image remaining substantially level with the surface of the plate and retaining the configurations of the tooth or grain, said weaker portions of said plate, when used for printing being adapted to receive repellent from the rear of the plate via the residue of the emulsion remaining in the perforations and disperse the same over the toothed surfaces thereof, and said stronger portions being impervious to the repellent and readily adapted to receive greasy ink.

2,381,705
FILTER
Cecil Gordon Vokes, London, England
Application June 8, 1943, Serial No. 490,068
In Great Britain June 11, 1942
3 Claims. (Cl. 183—33)



1. Filtering means for fluid passing into a duct including a removable filtering screen and means substantially to seal off the area normally occupied by the filtering screen normally inactive means to move the sealing means to sealing position, and screen-holding means movable to prevent or permit removal of the filtering screen, said screen holding means operating when in position to permit withdrawal of the screen to release the normally inactive means for automatic operation of the sealing means to sealing position, whereby the sealing means is in sealing position before the screen can be withdrawn.

2,381,706
MANUFACTURE OF SPONGE RUBBER
Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application February 16, 1942, Serial No. 431,103
4 Claims. (Cl. 260—723)

1. A method for the manufacture of sponge rubber which comprises, mixing with an aqueous rubber dispersion fragments of a gel in which the gelling agent is a water-insoluble aluminum pectate, said gel containing said water-insoluble gelling agent in a proportion on the order of one-half to one per cent by weight, molding and heat vulcanizing the mass, whereafter the water of the gel is removed, thereby leaving a cellular rubber structure.

2,381,707
REMOVAL OF ACETYLENE FROM HYDROCARBON MIXTURES
William Laurence Wood, Tunbridge Wells, and Bertram Ernest Victor Bowen, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application June 7, 1943, Serial No. 489,992. In Great Britain May 19, 1942
4 Claims. (Cl. 260—677)

1. A process for the removal, by selective oxidation, of acetylene from a gaseous mixture containing it in admixture with hydrocarbons of less than four carbon atoms in the molecule which comprises passing said gaseous mixture in admixture with an amount of available oxygen at least equal to, but not greatly in excess of, the amount required to burn all the acetylene and any co-present hydrogen and carbon monoxide, over a heated catalyst consisting essentially of metallic copper at a temperature between 200° C. and 350° C.

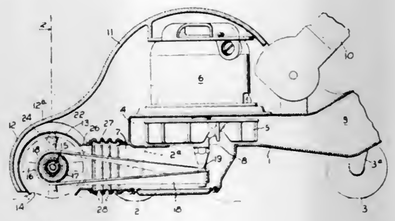
2,381,708
SULPHONATION PROCESS
Earl Amott, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 24, 1942, Serial No. 440,389
11 Claims. (Cl. 260—504)

1. A process for the production of oil soluble mixtures containing substantial amounts of metal salts of both mahogany sulphonic acids and green sulphonic acids dissolved in lubricating oil which comprises contacting a mineral lubricating oil with concentrated sulphuric acid at a temperature between about 100° F. and 150° F. so as to convert a portion of the said oil to a mixture comprising both oil soluble mahogany sulphonic acids and oil insoluble green sulphonic acids, and immediately thereafter treating the entire reaction product with an alkaline compound of the desired metal in a quantity in excess of that required to neutralize all of the free acids therein, thereby forming a solution of the metal salts of both the mahogany acids and the green acids in the unreacted oil.

2,381,709
PRODUCTION OF ORGANIC COMPOUNDS CONTAINING NITROGEN
Frank A. Apgar and John W. Teter, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 5, 1942, Serial No. 464,636
8 Claims. (Cl. 260—464)

1. In the production of amines and nitriles, the improvement which comprises reacting an olefine containing more than three carbon atoms with ammonia at a temperature of about 400° F. to about 650° F. in the presence of a metallic catalyst selectively promoting the amination reaction.

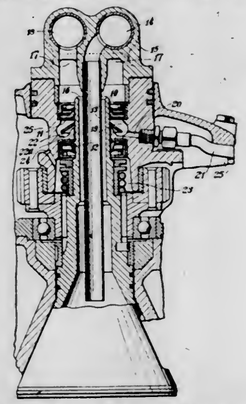
2,381,710
VACUUM CLEANER
Albert A. Arnhym, San Diego, Calif., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 18, 1942, Serial No. 435,231
3 Claims. (Cl. 15—8)



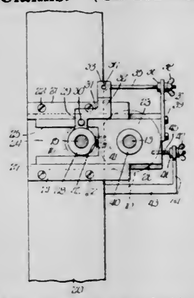
2. In a vacuum cleaner, the combination with a base affording a suction chamber and a forwardly extending tubular portion, and a casing overlying said suction chamber and having a transversely disposed nozzle-hood of inverted U-shape in cross section and formed with top and end walls, said end walls each being provided with a vertically arranged slot; of a suction nozzle, having a rearwardly extending tubular portion, mounted for free vertical sliding movement in said nozzle-hood; pins projecting from the ends of said nozzle and entering said slots to guide and limit the movement of said nozzle; and a flexible tubular connection between said forwardly and said rearwardly extending portions to connect said nozzle with said suction chamber.

2,381,711
ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES, COMPRESSORS, AND THE LIKE
Frank Metcalf Aspin, Bury, England
Application July 1, 1944, Serial No. 543,065
In Great Britain May 12, 1943
8 Claims. (Cl. 123—80)

1. Sealing means for an internally cooled rotary valve member of an internal combustion engine, compressor and the like, comprising individual sealing members for the lubricant and coolant respectively, arranged to engage a part of the said rotary valve member and spaced apart to provide a release or escape zone adapted to release leakage from either of the said sealing members.



2,381,712
DEVICE FOR REGULATING PRESSURE IN MACHINE ROLLERS
George Babicz, Chicago, Ill.
Application April 29, 1943, Serial No. 484,997
2 Claims. (Cl. 101—351)

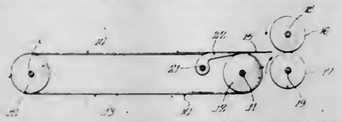


1. The combination in a printing machine having a frame, a printing roller, and inking rollers including an ink applying roller and an ink spreading roller associated with the ink applying roller, of adjusting means for the ink applying roller and the ink spreading roller, comprising spaced pairs of cooperating guide rails mounted on the frame, a slotted plate slidably supported between each pair of guide rails and adjustably connected with the frame, and said plates forming a bearing for the ink applying roller, a bell crank lever pivoted to each plate, a bearing on each lever set in the slot of the plate and carrying the ink spreading roller, a spring engaging each bearing and plate, and an adjusting rod pivoted to each bell crank lever at one end and supported from the plate at the other end for pivoting the respective bell crank levers to adjust the bearings and ink spreading roller with respect to the ink applying roller.

2,381,713
PAPER ELEVATING DEVICE FOR PRINTING MACHINES
George Babicz, Chicago, Ill.
Application April 3, 1944, Serial No. 529,276
4 Claims. (Cl. 271—45)

1. A printing machine comprising a pair of printing rollers, a conveyor whose supporting sur-

face is in the plane of the point of entrance of the sheets between the rollers, pins upon said conveyor for engaging the rear edge of a paper sheet for carrying the same towards the said rollers and feeding the same therebetween, and means beneath the sheet and operative when the medial



point between the front and back of the sheet passes said means for elevating the rear end of the paper sheet above the plane of the surface of the conveyor and the free ends of said pins as the front end of the paper sheet is received by said rollers.

2,381,714

METHOD OF THERMALLY TREATING ALUMINUM BASE ALLOY INGOTS AND PRODUCT THEREOF

Paul C. Beck, Bay Village, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 3, 1942, Serial No. 437,510
13 Claims. (Cl. 148—2)

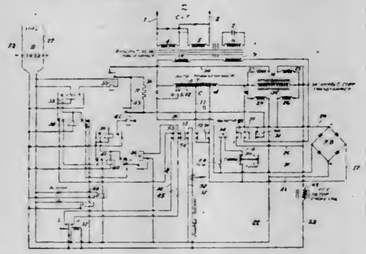
1. The method of thermally treating a hot ingot of a precipitation hardening aluminum base alloy upon removal from the ingot mold and preparatory to hot working within a temperature range such that the wrought product is capable of undergoing subsequent recrystallization, comprising removing said ingot from the mold and exposing it to a soaking treatment before the ingot temperature falls below 700° F., and soaking the ingot at a temperature between 600° and 800° F. for a time sufficient to produce relatively large aggregates of precipitated constituents.

2,381,715

VOLTAGE REGULATING SYSTEM

Constant F. J. Boehlen, East Orange, N. J., and Michel A. Biske, New York, N. Y., assignors to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

Application August 31, 1943, Serial No. 500,606
10 Claims. (Cl. 175—363)



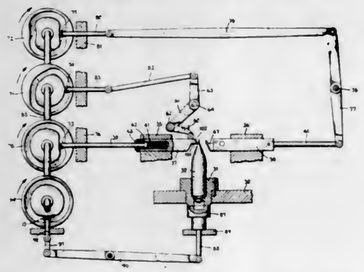
1. A rectified current supply system including an A. C. energizing source, a transformer having a primary winding energized thereby, said transformer having a secondary winding arranged in series with a regulating circuit, a rectifier having input connections to the regulated circuit, said regulated circuit having in series relation an auto-transformer and a saturable core transformer having coupled thereto series inductance means connected to the load circuit from the rectifier for controlling the regulated circuit responsive to load, supplemental regulating inductance means, means connecting said supplemental inductance means across said load circuit, and an energizing circuit therefor including a resistor and a connection in shunting relation thereto and relay means operatively connected to close the supplemental inductance circuit responsive to load.

2,381,716

COLLAPSIBLE TUBE FOLDING APPARATUS

George M. Booth, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application May 20, 1942, Serial No. 443,771
10 Claims. (Cl. 113—54)



1. In apparatus for closing a collapsible tube, the combination, with means for holding a collapsible tube, of a pair of members for abutting directly opposite sides of a flattened tube portion, one of said members having an associated supporting member for moving the first-mentioned member relative to the other member and to the flattened tube portion in a direction substantially perpendicular to the tube portion, said first-mentioned member having a creasing edge to abut the flattened tube portion, means for folding an adjacent tube portion over said creasing edge and into an acute angle with the first mentioned portion when the members are in position of directly opposing abutment with the tube, said first-mentioned member being pivoted to the supporting member at a point offset from a line perpendicular to the first-mentioned tube portion and passing through the locality of said direct abutment of the members, for release of the creasing edge from beneath the fold when the members are separated, and stop means intermediate the supporting member and the first-mentioned member, and positioned to hold the latter against movement of its creasing edge, about said pivot, toward the other side of said line from the pivot point, whereby pressure of the aforesaid abutment of said first-mentioned member with the tube urges the first-mentioned member against said stop means rather than around the pivot and out of fold-supporting abutment with the tube, said first-mentioned member including means releasably biasing said first-mentioned member against the stop means.

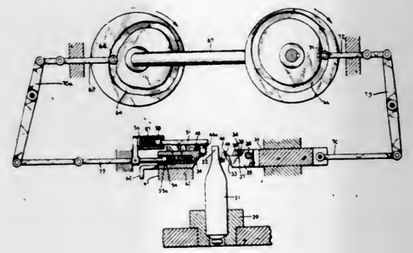
2,381,717

COLLAPSIBLE TUBE FOLDING APPARATUS

Mitchell H. Cubberley, Belleville, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application July 7, 1942, Serial No. 449,990
9 Claims. (Cl. 113—54)

1. In apparatus for closing a collapsible tube, the combination, with a creasing blade adapted to receive an acute angle fold of a tube portion and support the line of crease thereof, said blade being selectively displaceable against the tube portion and away from beneath an acute angle fold thereover, of a member movable relative to the tube, and having a surface for flatwise abutting the portion of the tube and cooperating with the creasing blade to engage said tube portion between said member and blade, a folding member having a flat tube-abutting surface and pivotally mounted on the first-mentioned mem-



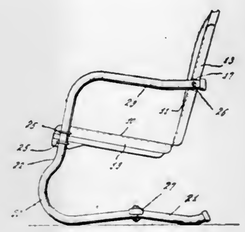
ber, to swing in a curved path extending from a position adjacent the tube engaging surface of the first-mentioned member, around toward said surface, and actuating means associated with said first-mentioned tube-abutting member and said folding member for displacing the tube-abutting member into abutment with the tube and for thereafter swinging the folding member about its pivot into engagement with an adjacent tube portion to fold the same over the creasing blade and continuously into flattened position upon removal of said blade.

2,381,718

CHAIR

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application June 5, 1943, Serial No. 489,732
2 Claims. (Cl. 155—194)



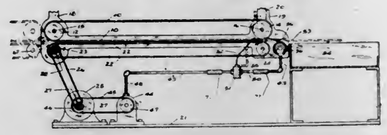
2. In a chair, a single sheet-metal stamping having a seat-portion and a back-portion, said stamping being provided with a transverse row of perforations at the junction of the seat-portion and back-portion and with a peripheral flange interrupted at the ends of said row of perforations to permit relative angular movement of the two stamping-portions about such line of perforations, and means for holding said seat-portion and back-portion in predetermined angular relationship, said means comprising a pair of members each secured to said seat-portion and back-portion at points spaced from said line of perforations.

2,381,719

SHEET CONTROL DELIVERY MECHANISM FOR LITHOGRAPH, VARNISHING MACHINES, AND THE LIKE

Harry W. Brintnall, San Francisco, Calif.

Application October 2, 1942, Serial No. 460,582
3 Claims. (Cl. 271—68)



1. A device of the character described for delivering sheet material into a pile, including an auxiliary conveyor for use in combination with a primary conveyor and adapted to receive sheets conveyed therefrom, means for increasing the conveying speed of the auxiliary conveyor with respect to the conveying speed of the primary conveyor, whereby the separated distance between the edges of the sheets is increased for facilitating the separate delivering of the sheets, a revolvable cylindrical member horizontally positioned in proximity to and in parallelism with the delivering end of the auxiliary conveyor, means for decreasing the speed of the cylinder member with respect to the speed of the auxiliary conveyor, and means for producing vacuum in proximity to said cylinder member whereby the sheets are drawn on the cylindrical member while they are being delivered out of the auxiliary conveyor.

2,381,720

RUBBERLIKE COMPOSITIONS

Charles F. Brown, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 13, 1943, Serial No. 475,793
4 Claims. (Cl. 260—87)

1. A rubber substitute which is the heat-conversion product of a composition comprising a partially hydrolyzed polyvinyl ester which is from 50 to 90 percent hydrolyzed, an inorganic oxidizing agent containing oxygen and a multivalent metal, and an aromatic halogen-containing oxidizing agent selected from the class consisting of picryl chloride, pentachlorophenol, chloroacetanilide, and tetrachlorquinone.

2,381,721

AIRPLANE AILERON CONTROL

Guy B. Carroll, Minneapolis, Minn.

Application December 27, 1943, Serial No. 515,846
11 Claims. (Cl. 244—83)

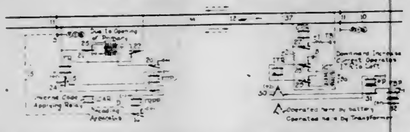
1. The combination with an airplane having a pair of ailerons, of a cam mounted to rock about its longitudinal axis and for bodily shifting movement parallel to said axis, a pair of levers pivoted for independent swinging movement about said axis and held against lateral movement, operating connections from the levers to the ailerons, said cam having means that position the levers to prevent end thrusts on the cam, when said levers and the ailerons are in normal positions and for common rocking movement with the cam on either side of normal position to raise either one of the ailerons and lower the other, said cam having other means, when said cam is moved bodily in one direction, to operate the levers and simultaneously raise both ailerons and to simul-

taneously lower both ailerons when said bodily movement of the cam is reversed, means for



rocking the cam, and other means for bodily shifting the cam.

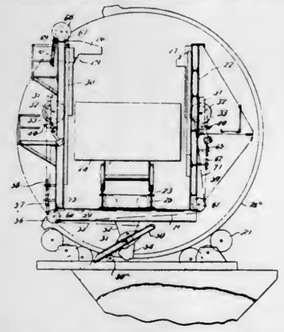
2,381,722
CODED TRACK CIRCUITS FOR RAILROADS
Nelson B. Coley, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 19, 1942, Serial No. 466,150
15 Claims. (Cl. 246—34)



1. In a driven-inverse coded track circuit of the check inverse code type; the combination with a driven coded track circuit including the rails of a section, a driving source of current and a coding contact at one end of the section for creating a driven code and a code following track relay at the other end of the section for responding to such driven code; and an inverse coded track circuit including the same track rails, and including an inverse coding contact for applying inverse code impulses from an inverse source of current located at said other end of said section between the impulses of said driven code, a transformer having a primary and a secondary winding and having its primary winding connected across the track rails permanently, a polar inverse code following track relay which remains in its last operated position when deenergized and which is operated in one direction in response to an inverse code impulse derived from the secondary winding of said transformer and is disconnected from said secondary winding and is operated in the other direction by means including a local source of current and a contact closed only when said coding contact for creating a driven code is closed.

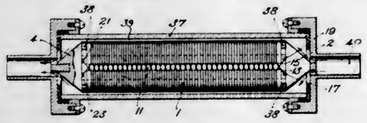
2,381,723
CAR DUMPER
Robert W. Crist, Cleveland, Ohio, assignor to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application September 13, 1943, Serial No. 502,151
9 Claims. (Cl. 214—55)

1. In a rotary car dumper, a cradle adapted to receive a car and having a plurality of clamps engageable with the top of the car on both sides thereof to hold the car on the cradle while the car is being dumped, and means for locking each clamp in car holding position including a gear rack extending longitudinally of the shank of



the clamp, a gear at all times engaging the rack, a pawl and ratchet mechanism associated with the gear, and means including a pendulum counterweight for setting the pawl in the ratchet during the movement of the cradle and car toward dumping position.

2,381,724
RESISTOR
David R. Crosby, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 13, 1943, Serial No. 506,038
14 Claims. (Cl. 201—67)

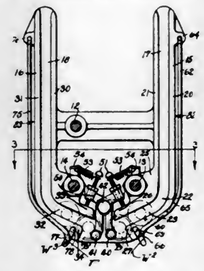


1. An insulating member and a resistor, consisting of two conductive elements carried on the outer surface of said member in parallel planes substantially normal to the longitudinal axis of said member, said elements occupying alternate sections of the periphery of said member in said planes in opposed relation, and crossing each other at points on said surface, said points forming at least one pair of diametrically opposed straight lines on said surface parallel with said axis.

2,381,725
BOBBIN MAGAZINE FOR WEFT REPLENISHING LOOMS
Clifford Darwin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 6, 1944, Serial No. 534,436
9 Claims. (Cl. 139—247)

1. In a reserve bobbin magazine for a weft replenishing loom having a thread holder, a bobbin tip end plate having a pair of spaced vertical guideways each having therein a guide groove for bobbin tips, a solid bottom wall for said end plate integral with said guideways and extending from the bottom of one of said guideways across to the bottom of the other guideway, a bobbin tip support at the bottom of each of said guideways, pivot means on said wall mounting each bobbin tip support for movement relatively to the corresponding guideway, and thread

guides extending along said guideways, one thread guide for each guideway, to direct weft ends from the bobbins around the outer sides of



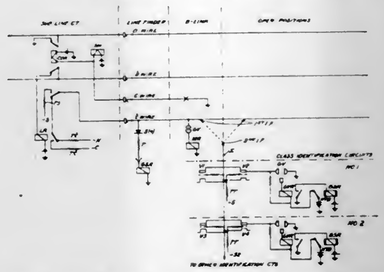
said guideways and toward said thread holder, said wall preventing movement of the pivot means relatively to adjacent parts of said guideways.

2,381,726
LIGHTER FOR CIGARETTES AND THE LIKE
Lincoln K. Davis, Brockton, Mass.
Application July 22, 1941, Serial No. 403,476
9 Claims. (Cl. 219—32)



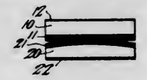
1. In a cordless lighter, a stationary support, a lighter body having a knob and adapted to be inserted into said support, said lighter body having an axial passage therethrough, a foraminous planar electric igniting element mounted on said body across the inner end of said passage, the outer end of said passage being flared to facilitate the insertion of a cigarette, whereby said inserted cigarette may be ignited while in said passage from the inner side of said igniting element or a cigar or pipe may be ignited from the outer side of said igniting element after removal from said support.

2,381,727
AUTOMATIC AND SEMIAUTOMATIC TELEPHONE EXCHANGE SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1944, Serial No. 522,064
5 Claims. (Cl. 179—27)



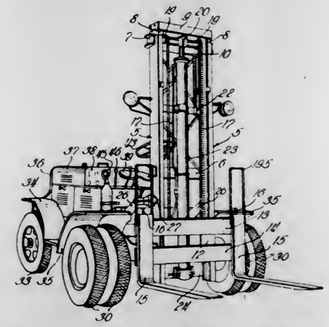
1. In a telephone exchange system, a plurality of subscribers' lines each comprising a pair of talking conductors and a test conductor, a central exchange, means for extending said lines to said exchange, a source of D. C. potentials from which are derived potentials characteristic of different classes of service, means for applying to the test conductors of calling lines a D. C. potential characteristic of the class of service to which said lines are entitled, an electronic discharge device at said exchange for each class of service, a relay associated with each discharge device and arranged to operate only when two D. C. potentials applied to respective electrodes of said device bear a predetermined relationship, means at said exchange for connecting to an electrode of each of said devices a different D. C. potential characteristic of each class of service and means for extending the test conductor of a calling line in multiple to another electrode of each of said devices.

2,381,728
INTERFEROMETER
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1942, Serial No. 436,997
3 Claims. (Cl. 88—14)



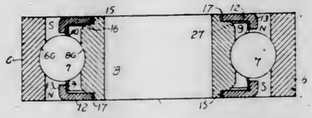
1. An interferometer including a pair of transparent members provided with surfaces arranged to face one another, a pair of high index layers superimposed on each of said surfaces and each having a thickness of one-half the wave length of the light to be transmitted through said members, and a low index layer interposed between each pair of high index layers and having a thickness one-fourth the wave length of said light.

2,381,729
INDUSTRIAL TRUCK
Elmer J. Dunham and Kenneth E. Mulvany, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 30, 1943, Serial No. 496,807
13 Claims. (Cl. 214—113)



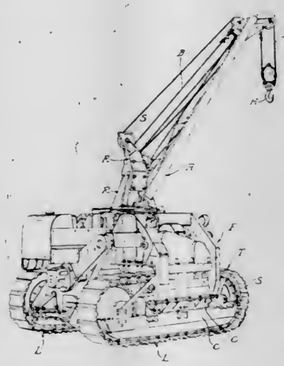
1. In an industrial truck, a vehicle body including a chassis and a power unit, a drive axle for said truck including a banjo type axle housing, means for supporting one end of said chassis directly on the oppositely extending arms of said housing, a transverse brace in said chassis intermediate said power unit and said axle a transverse shaft rigidly supported from said chassis beyond said housing, a vertical load carrying mast assembly pivotally mounted adjacent its lower end about said shaft, and laterally spaced tilt means for said mast assembly anchored at one end in spaced relation on said transverse brace.

2,381,730
BALL BEARING
Robert P. Ellis, Belleville, N. J.
Application February 19, 1944, Serial No. 523,002
17 Claims. (Cl. 308—201)



1. A ball bearing comprising oppositely disposed raceways, balls operating in and between said raceways, and magnetic means for keeping said balls apart in spaced relation.

2,381,731
REVOLVING CRANE
Nicholas M. Erdahl, Milwaukee, Wis., assignor to Trackson Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 17, 1943, Serial No. 487,230
31 Claims. (Cl. 212—59)

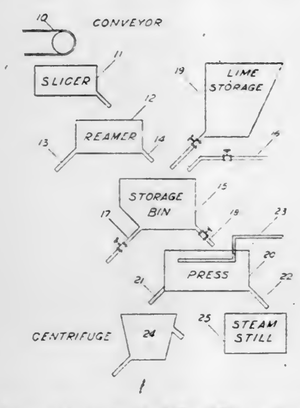


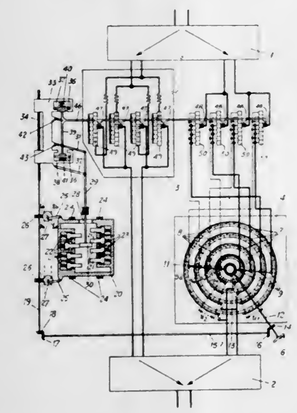
1. A crane comprising a frame, a fixed mast having an enlarged base resting on and secured to the frame and having an upright column rigid with the base, a revolvable mast surrounding the fixed mast, bearing means interposed between the revolvable mast and the base and column of the fixed mast, a driving sleeve rotatably supported on the fixed mast, worm gear mechanism for rotating said driving sleeve, said driving sleeve having key-ways therein, keys fixed to the revolving mast and fitted into the key-ways of the driving sleeve to transmit torque from the driving sleeve to the revolvable mast while providing for shifting of the revolvable mast with respect to the fixed mast without transmission of stress to the worm gear mechanism.

2,381,732
METHOD FOR THE RECOVERY OF ESSENTIAL OILS
James A. Finley, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application February 9, 1942, Serial No. 430,094
9 Claims. (Cl. 260—236.6)

1. The process comprising hardening citrus peel with a material of the group consisting of $Ca(OH)_2$, CaO, $CaCO_3$, SrO, $Sr(OH)_2$, $SrCO_3$, $NaHCO_3$, Na_2CO_3, K_2CO_3, $Ba(OH)_2$, BaO, NH_4OH, $(NH_4)_2CO_3$, MgO, and $Mg(OH)_2$, pressing the hardened peel, and separating oil from the press liquor.

2,381,733
ADJUSTABLE NETWORK
Friedrich Ernst Fischer, Zurich, Switzerland
Application October 16, 1941, Serial No. 415,332
In Switzerland June 15, 1940
3 Claims. (Cl. 201—55)





1. Apparatus for evaluating the function values of a given function with one variable according to the method of gradual approach pitch by pitch to the continuously changing real course of the function, comprising an electrical network including a series of coarse and of fine steps for altering the transmission value of the network to yield, in the form of an electrical value, the function values to be ascertained, a common drive for the coarse and fine steps, a control device between the coarse and fine steps which simultaneously with the continuous drive of the fine step periodically switches the coarse step pitch by pitch, and means whereby each time one coarse pitch is switched on the calculated value of the fine step is automatically switched back to an extent corresponding to one pitch of the coarse step.

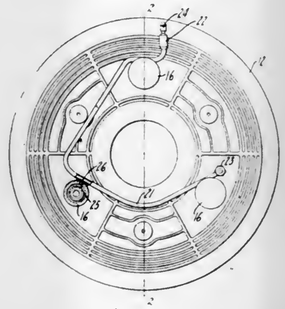
2,381,734
MOLD CHILL
Marvin E. Gantz, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 31, 1942, Serial No. 437,089
3 Claims. (Cl. 22—188)

1. A chill mixture containing at least 85 per cent by weight of 30 to 150 mesh size metal pellets, a binding material, and a tempering medium containing a corrosion inhibitor, said mixture being characterized by being moldable in its green condition, and having a chilling effect sufficient to reduce the grain size and shrinkage in the casting in the region of the chill as compared to the condition prevailing in the absence of said chill.

2,381,735
MOLD CHILL
Marvin E. Gantz, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 31, 1942, Serial No. 437,090
11 Claims. (Cl. 22—174)

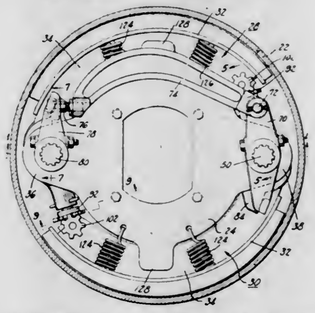
1. A chill mixture containing at least 75 per cent by weight of 30 to 150 mesh size metal pellets, from 1 to 10 per cent of finely divided graphite, a binding material and a tempering medium, said mixture being characterized by being moldable in its green condition, and having a chilling effect sufficient to reduce the grain size and shrinkage in a casting in the region of the chill as compared to the condition prevailing in the absence of said chill, said chilling effect being greater than the effect of the same mixture without graphite.

2,381,736
METHOD OF MAKING BRAKE ACTUATING MEANS
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application August 16, 1941, Serial No. 407,101. Divided and this application July 17, 1944, Serial No. 545,283
4 Claims. (Cl. 29—152.1)



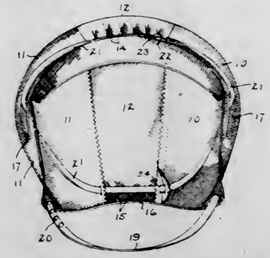
1. A method for making and assembling disk brake actuating means, comprising forming a plurality of cup-shaped actuating cylinders by drawing them to the desired depth, cutting a passage through the side of each cup, cutting a pre-formed tube to the desired length, cutting openings in the tube complementary to the openings in the cups, and securing the tube to the cups by a single welding process.

2,381,737
BRAKE
Rudolph A. Goepfrich and Bryan E. House, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 29, 1943, Serial No. 516,020
13 Claims. (Cl. 188—78)



1. In a brake having a rotatable drum, a non-rotatable support member having a pair of aligned substantially radially extending projections spaced axially from one another, torque-taking means supported by said projections and extending parallel to the axis of the brake, and a shoe adapted to anchor on said torque-taking means, the web of said shoe contacting the torque-taking means between said axially spaced projections, means for moving said shoe into contact with the drum comprising a shaft journaled in said torque-taking means, and two aligned arms on said shaft straddling the web of the shoe and both rotating with said shaft to apply an axially centered balanced force tending to move the shoe into contact with the drum.

2,381,738
CAP
Clara M. Grannan, Indianapolis, Ind.
Application July 23, 1943, Serial No. 495,809
2 Claims. (Cl. 2—204)



1. A cap comprising in combination a pair of side panels each having substantially straight front and bottom edges approximately ninety degrees apart and having an edge extending from the top of the front edge generally rearwardly and thence rounding around and downwardly to the rear end of said lower edge; and a central panel intervening between and united along its side edge portions with said last edges of the side panels, said central panel being generally rectangular in section with its ends narrower than the central portion; said union between said side and central panels being by seams with marginal edge portions of the panels inturned, said marginal edge portions of the panels being slotted adjacent the lowermost portion of the rear side of the cap; and a strap

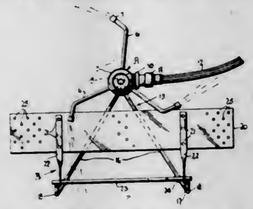
passed through said marginal edge portion slots and carried upwardly and forwardly to the top, forward part of the cap; each of said side panels being provided with an opening through which said strap emerges from the inner side of the cap to its outer side.

2,381,739
HIDDEN BARRIER
Reid B. Gray, Dundalk, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application April 1, 1942, Serial No. 437,268
2 Claims. (Cl. 154—50)



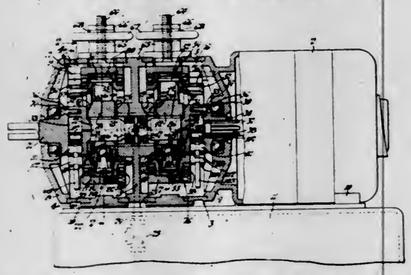
1. A hydrocarbon liquid container having a flexible wall structure comprising a plurality of layers of synthetic plastic materials having rubber-like physical characteristics, said layers being bonded together to form a unitary wall structure, and an intermediate membrane having lower diffusion characteristics than the adjacent layers, said membrane consisting of a plastic material formed from a synthetic linear polyamide.

2,381,740
LAWN SPRINKLER
Peter Grelson, Minneapolis, Minn.
Application August 7, 1944, Serial No. 548,347
10 Claims. (Cl. 299—69)



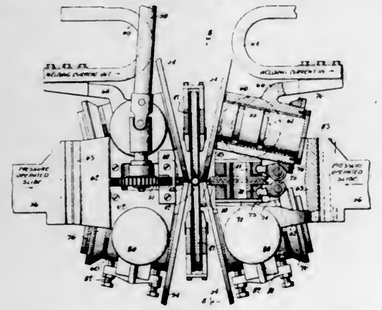
1. A lawn sprinkler comprising a spray head adapted to spray water in one plane, and supporting means for the spray head and having one portion adapted to rest on the lawn and support the spray head with the spray directed in a horizontal plane and another portion adapted to support the head with the spray directed in a vertical plane.

2,381,741
PUMP OR MOTOR UNIT
Christian E. Grosser, Winchester, Mass., assignor to Standard Machinery Company, Cranston, R. I., a corporation of Rhode Island
Application October 22, 1942, Serial No. 462,939
18 Claims. (Cl. 103—161)



1. In a pump or motor unit, a rotor comprising radial cylinders arranged in angular relationship and mounted for rotation about a fixed axis, pistons in said cylinders, a ring surrounding the cylinders with its axis eccentric to the axis of rotation of the cylinders, means for connecting the ring for rotation with the cylinders, and a piston-rod for each piston having one end pivotally connected to its piston and a curved rocker-bearing at its opposite end engaging the ring tangentially on a single line of contact and rockable thereon without substantial sliding movement.

2,381,742
RESISTANCE WELDING METALLIC STRIPS TO METALLIC BODIES
Howard P. Guirl, Munster, Ind., assignor to The Superheater Company, New York, N. Y.
Application December 27, 1943, Serial No. 515,764
2 Claims. (Cl. 219—4)

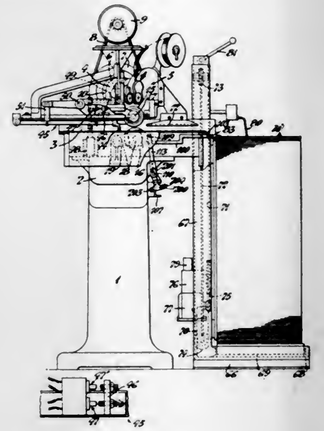


1. Welding apparatus for joining metallic strip members such as fins of rectangular cross-section to a metallic body such as a heat transfer tube; means for guiding the tube and fins to the welding station with the fins extending longitudinally of said tube and contacting the latter along their narrowest faces; a pair of rotary electrode discs located at the welding station at either side of said tube adjacent the path of one of said fins, the electrode discs of either pair being so disposed as to engage opposite side faces of the adjacent fin close to its juncture with said tube; means supporting said electrode discs out of the positions in which they contact said fins; means responsive to the engagement of said feed wheels with the longitudinal faces of said fins for moving said discs into contact with the side faces of said fins; a pair of spaced work feeding and guide wheels mounted in alinement at the welding station each formed to engage the outer longitudinal face of one of the pair of said fins; and electrical means for conducting a welding current into said discs to pass through said fins and said body for welding them together.

2,381,743
CARTON-BLANK HANDLING APPARATUS FOR WIRE-STITCHING MACHINES
George H. Harred, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application October 7, 1943, Serial No. 505,298
10 Claims. (Cl. 271—43)

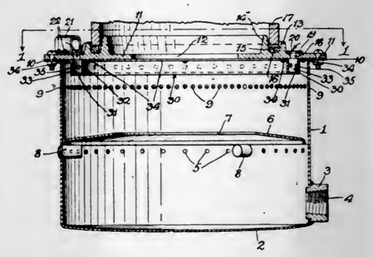
2. In an apparatus of the type indicated, means for supporting a stack of horizontally-disposed sheets to be stitched, means constructed and arranged to engage across the edge of the top sheet in the stack, means for moving said sheet-engaging means to displace the top sheet relative to the underlying sheets in the stack, and means for actuating the sheet-displacing means

comprising a reciprocating member, means for reciprocating said member, and manually-adjust-



able means for regulating the extent of reciprocation of the sheet-displacing means.

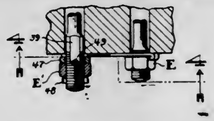
2,381,744
POT TYPE BURNER AND IMPROVED AIR ADMISSION MEANS THEREFOR
Bruce Hayter, Sante Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 14, 1942, Serial No. 434,663
8 Claims. (Cl. 158—91)



1. In a pot type burner, a burner pot, means for supplying air to the interior thereof, a centrally apertured flame ring partially closing the top of the pot, said flame ring having additional apertures intermediate its edges adapted to admit air downwardly into the interior of the pot, and means for thermostatically controlling the cross sectional area of such additional apertures.

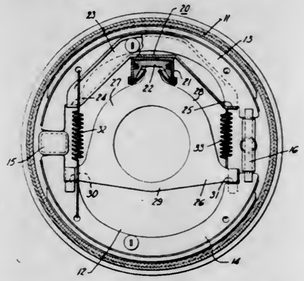
2,381,745
COUPLING
Alexander G. Herreshoff, Grosse Pointe, and John P. Butterfield, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 28, 1941, Serial No. 420,856
14 Claims. (Cl. 151—32)

1. A coupling for urging a pair of bodies toward each other, said bodies having two sets of aligned openings, a tie-rod extending through each of said sets of openings, means rotatably operable on one end of each of said tie-rods for tensioning said tie-rods whereby to urge said bodies toward each other, means bridging opposite end portions of said tie-rods adjacent each of said bodies, each of said bridging means comprising a member non-rotatably engaging said one end of one of said tie-rods beneath and juxtaposed said ten-



sioning means and arranged to transfer rotative tendency of this tie-rod so as to react in shear on the other tie-rod during said rotary operation of said tensioning means the other ends of said tie-rods having abutment stops for axial movement, engaged by and held from rotation by said bridging means during tensioning of said rods.

2,381,746
BRAKE
Bryan E. House, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 11, 1942, Serial No. 442,407
11 Claims. (Cl. 188—152)

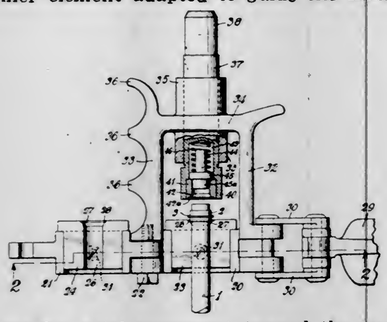


1. A brake comprising a rotatable brake drum, shoes which are individually shiftable to anchor at either end depending upon the direction of drum rotation at the time they contact the drum, a hydraulic motor positioned inside the brake drum and near the center of one of the shoes, said motor having two parts which may be spread apart by fluid pressure, a thrust member contacting both ends of the shoe near the hydraulic motor and adapted to be thrust by movement of one of the parts of the motor to apply said shoe, and thrust means extending across the brake to contact both ends of the shoe opposite the hydraulic motor and adapted to be moved by the other of the parts of the motor to thrust said opposite shoe against the brake drum.

2,381,747
TOOL FOR FORMING JOINTS
Earl E. Howe, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 2, 1942, Serial No. 464,183
9 Claims. (Cl. 81—3)

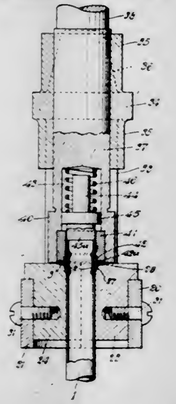
1. In a tool for securing ferrules to tubing, a removable tube surrounding means having a ferrule engaging portion adapted to engage one edge of a ferrule on the tube, a hammer element apertured to receive the end of the tube, said hammer element including a portion opposed to the opposite edge of the ferrule, and connecting means

between the tube surrounding means and the hammer element adapted to guide the hammer



element for axial movement toward the end of the tube, in response to an actuating blow upon the hammer element.

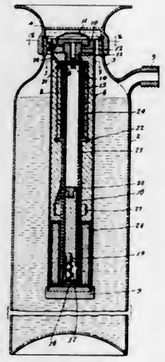
2,381,748
METHOD OF FORMING JOINTS
Earl E. Howe, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application November 2, 1942, Serial No. 464,183. Divided and this application May 10, 1943, Serial No. 486,463
5 Claims. (Cl. 29—148)



1. The method of forming a joint which includes providing a tube and a ferrule having an outwardly extending surrounding rib, positioning the ferrule on the tube and sliding it to position adjacent an end of the tube, forcing the opposite edges of the ferrule inwardly into the wall of the tube, surrounding the ferrule and both sides of the rib, with a mass of flexible distortable material, thereafter forming about said mass a compression chamber and forcing the walls of said chamber together until the chamber is completely filled by said mass, while preventing any substantial extrusion of the mass from the pressure chamber.

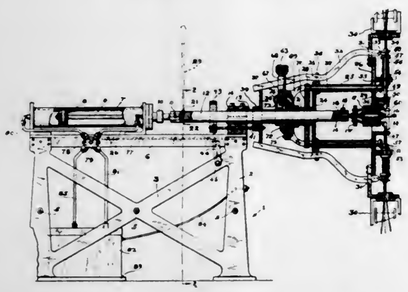
2,381,749
FIRE EXTINGUISHING UNIT
James Leonard Hull, Los Angeles, and Floyd J. Lee, La Habra, Calif.
Application March 1, 1943, Serial No. 477,602
7 Claims. (Cl. 169—32)

1. A fire extinguishing unit, comprising a frangible acid container, means for fracturing the acid container, including a striking member and a coil spring operative for actuating the same, means for retaining the coiled spring in a compressed position, a cutter for releasing said



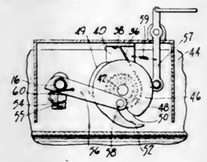
means, means guiding a drop weight for movement towards said cutter, and a helical retarding wire normally restraining the movement of said drop weight.

2,381,750
COIL WINDING APPARATUS
William P. Hunsdorf, Cleveland, Ohio, assignor to William P. Hunsdorf and Clarence E. Edson, joint trustees
Application September 7, 1943, Serial No. 501,494
18 Claims. (Cl. 242—13)



1. An apparatus for winding coils on units of electrical apparatus comprising an armature core support adapted to be connected to one end of the shaft of a slotted armature core, a plurality of pivotally mounted wire feeding members having their discharge ends swivelling with the trailing wire fed therethrough in a direction substantially parallel to the slots of said core when moving lengthwise of said slots and adapted to be simultaneously positioned opposite each of said slots of said core respectively, means for causing relative movement of said feeds and core to lay loops of wire in selected pairs of said slots by successive movement longitudinally in one direction, then transversely at one end of said core to the companion slot, then reversely in said companion slot by longitudinal movement to the opposite end of said core, then transversely to the original slot of said pair, and thereafter in repetition of said cycle until the predetermined number of loops have been wound in each of said pairs of slots as a simultaneous operation.

2,381,751
CARBURETOR
Scott F. Hunt, South Bend, Ind., assignor, by mesne assignments, to Bendix Stromberg Carburetor Company, a corporation of Illinois
Application December 16, 1932, Serial No. 647,641
4 Claims. (Cl. 261—39)

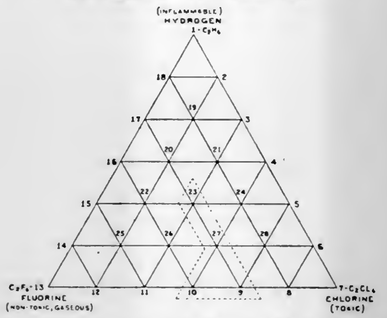


1. The combination with a carburetor choke valve having a shaft, of a thermostat element connected to said shaft and tensioned when cold to rotate the shaft in one direction, said element being arranged to reduce said tension to zero when heated to within a predetermined range of temperature, and means cooperating with the element and becoming operative only when said range is exceeded for tensioning the same to rotate the shaft in the opposite direction.

2,381,752
PROCESS OF INSOLUBILIZING PROTEIN AND PRODUCT
Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1943, Serial No. 516,586
16 Claims. (Cl. 106—125)

9. A composition comprising an aqueous solution of stearato chromic chloride and glue, having paraffin wax emulsified therein, the weight of glue being about from 20 to 100 times the weight of stearato chromic chloride.

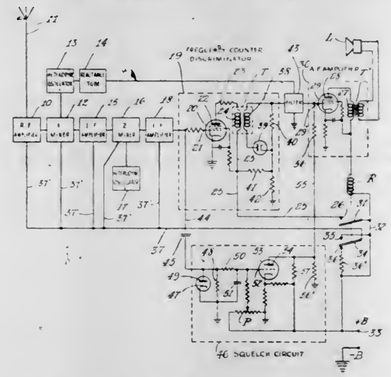
2,381,753
PRINTING INK
Clarence E. Irion, Montclair, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application January 3, 1941, Serial No. 373,048
18 Claims. (Cl. 106—26)



1. A non-toxic, non-inflammable rotogravure ink comprising a pigment, and a binder material dissolved in a solvent comprising as an essential major component a fluorochloroalkane having a boiling point within the range of substantially 40° to 200° C., the solvent being present in major proportion forming an ink having solvent release and high speed of evaporation providing adequate flow and lay of the ink on the paper.

9. A non-toxic and non-inflammable solvent mixture adapted for dissolving a pigment and a binder to form rotogravure inks comprising a mixture of fluorochloroalkanes selected to give a blend having a substantial evaporation range such that a preponderant portion of the solvent evaporates more quickly than the minor portion whereby rapid drying is secured, but delay in the evaporation of the minor fraction insures adequate flow and lay of the ink upon the paper as with other known inks of equivalent characteristics as to printing, said solvent mixture comprising a mixture of fluorochloroalkanes each having from two to four carbon atoms, not less than two fluorine atoms, and a ratio of halogen to hydrogen of at least 1 to 2.

2,381,754
FREQUENCY MODULATION RECEIVER
Joaquin Maria Jadraque and Luis Jose Cavallero, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 26, 1944, Serial No. 537,448
2 Claims. (Cl. 250—20)

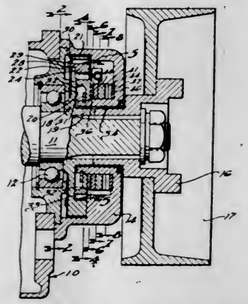


1. In a receiver for frequency modulated signals comprising radio-frequency amplifying and heterodyning means connected to a frequency discriminator including a thermionic counter-tube, audio-amplifying and reproducing means connected after said frequency discriminator, means to produce a direct voltage substantially proportional to the amplitude of the incoming signal, means responsive to said direct voltage to render inoperative said audio-amplifying means at amplitude values of the incoming signal smaller than a predetermined value, and means operatively connected to said audio-amplifying means to render inoperative said frequency counter-tube and to simultaneously lower the plate voltage of said radio-frequency amplifying and heterodyning means at amplitude values of said incoming signal smaller than said predetermined value.

2,381,755
AUTOMATIC BRAKING DEVICE
Charles M. Jameson, Detroit, Mich.
Application September 24, 1942, Serial No. 459,536
20 Claims. (Cl. 192—3)

1. In a power brake system for motor vehicles having a power transmission system including a member permanentiy connected to a driven wheel of the vehicle, wheel braking mechanism, fluid power means operatively connected to said braking mechanism, a control valve for

controlling actuation of said power means, means connected to said power transmission member and operable in response to bringing the vehicle to rest through application of the brakes by said power means for holding said control valve in a position in which it causes said power means to



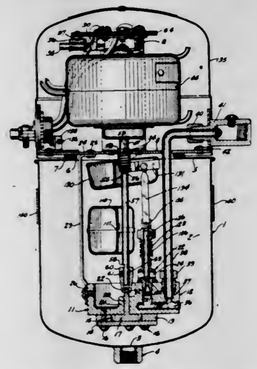
maintain said brakes applied, and means operable automatically upon application of forward driving torque to said member of the power transmission system of said vehicle to render said last mentioned means inoperative before the vehicle is moved.

2,381,756

LIQUID FUEL FEEDING MECHANISM

Roy W. Johnson and Cedric E. Zarwell, Milwaukee, Wis., assignors to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 14, 1942, Serial No. 430,860
11 Claims. (Cl. 103—26)



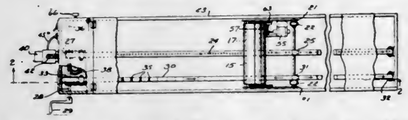
1. A liquid fuel feeding mechanism adapted to be assembled with a receptacle for liquid fuel and comprising a pump depending into the receptacle and submerged in the liquid fuel therein, said pump having an inlet connected with a source of supply of liquid fuel and having an outlet discharging into said receptacle, an electric motor supported exteriorly of the receptacle and having a driving connection with said pump, means responsive to changes of liquid level in said receptacle to control the action of the motor so as to cause a supply of liquid to be maintained in said receptacle, there being a vent intermediate the inlet to the pump and the source of supply of liquid fuel, said vent opening into said receptacle, a valve biased to closed position and normally closing said vent, and means actuated upon rise of liquid in the receptacle above a predetermined level to open said valve.

2,381,757

AIRCRAFT IDENTIFYING AND RANGE ESTIMATING TRAINER

Joseph W. Jones, New York, N. Y.

Application August 24, 1943 Serial No. 499,866
7 Claims. (Cl. 35—25)



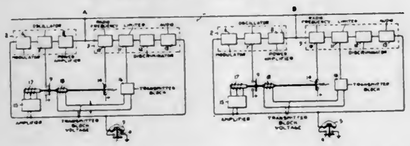
1. An aircraft identification and range estimating trainer, comprising a light tunnel, a target member operable back and forth in said tunnel, a freely adjustable reducing lens sight directed at said target, means for illuminating said target and means for automatically reducing illumination of the target with approach of the same toward said sight and for automatically increasing illumination with movement of the target away from the sight.

2,381,758

CARRIER CURRENT SYSTEM

Edwin W. Kenefake, Schenectady N. Y., assignor to General Electric Company a corporation of New York

Application May 30, 1944, Serial No. 538,027
5 Claims. (Cl. 179—15)



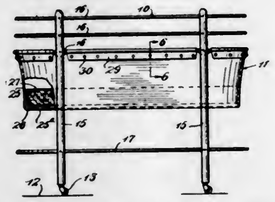
1. In a duplex carrier system for a plurality of stations each having a transmitter, and a receiver, and means responsive to the difference between carrier signals and noise received at one of the stations for blocking its transmitter.

2,381,759

COMBINED BABY CRIB AND BASSINET

Donald C. Lanese, Cleveland, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio

Application March 16, 1944, Serial No. 526,725
5 Claims. (Cl. 5—98)



5. In a baby crib or the like, a frame comprising spaced upright metal posts and a group of substantially vertical aligned and spaced metal rings of generally quadrangular plan shape and connected with the posts adjacent the upper ends thereof, said metal rings being closed so as to be continuous around the frame and said posts being of larger cross section than said rings and having openings through which the latter extend, a basket of generally quadrangular plan shape located inside said frame and having side and bottom walls formed of fabric and having a top

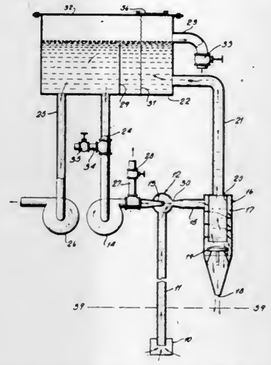
edge disposed in substantially coextensive relation with one of said rings, flap portions extending along said top edge and having releasable fastening means thereon for detachably connecting the top edge with one of said rings for suspending the basket in said frame, and a substantially rigid generally quadrangular sheet in the basket and forming a bottom reinforcement therein.

2,381,760

MEANS AND METHOD FOR SUPPLYING CLARIFIED LIQUID

Allen Latham, Jr., Jamaica Plain, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

Application January 27, 1943, Serial No. 473,716
7 Claims. (Cl. 210—52)



1. Liquid supplying means adapted to supply clarified liquid from which removable solids have been separated, which comprises ejector means including jet means and pump means arranged to force liquid through said jet means, means for commingling liquid from a contaminated liquid source with liquid forced through said jet means by said pump means, a liquid-solid separator, means for directing liquid ejected from said jet means commingled with liquid from the contaminated liquid source from said ejector means to said liquid-solid separator, means for simultaneously withdrawing from said liquid-solid separator effluent liquid containing contaminating solids and effluent clarified liquid, a reservoir, means for directing said clarified liquid from said liquid-solid separator to said reservoir, means for directing clarified liquid from said reservoir to said pump means to be forced by said pump means through said jet means, and means for directing additional clarified liquid from said reservoir to provide the supply of clarified liquid furnished by said liquid supplying means.

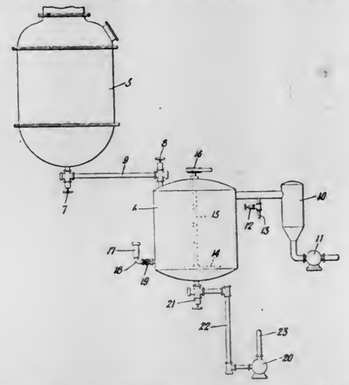
2,381,761

PREPARATION OF CONCENTRATED FLUID MILK PRODUCTS

Paul T. Lemmel, Madison, Wis., and Hugh P. Fell, New York, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey

Application March 16, 1942, Serial No. 434,802
5 Claims. (Cl. 99—55)

1. A process of preparing a concentrated fluid milk product comprising concentrating a milk product containing added sugar by heating said milk product at a temperature above 100° F. under partial vacuum, cooling by evaporation the resulting product to a temperature between 70° F., which corresponds to 12.0 mm. of mercury, and



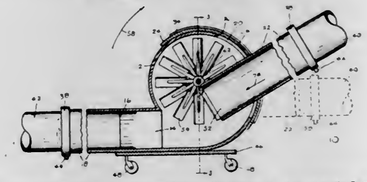
95° F. which corresponds to 33 mm. of mercury, and simultaneously during said cooling period agitating severely said resulting product.

2,381,762

FORCED DRAFT CONVEYER

Charles C. McConkle, Omaha, Nebr.

Application December 18, 1944, Serial No. 568,567
1 Claim. (Cl. 302—37)



A conveyer mechanism having in combination, a cylindrical housing provided with an elongated opening disposed through the arcuate wall thereof; guide rails disposed in approximate parallelism; said rails being secured to said housing at opposite sides of said opening; a cover of greater width and length than said opening having oppositely disposed side edges disposed between said rails; the latter having flanges disposed over said cover for holding the cover snugly against the housing during sliding movements of the cover with respect to said housing; an intake conduit disposed through and secured to said cover; said housing having an outlet conduit disposed in approximate alignment with said intake conduit, the latter extending approximately half-way across the interior of the housing; a pair of fans having a common axle, ends of the latter being disposed through end walls of the housing; said fans being respectively disposed at each side of the outlet orifice of said intake conduit and within said housing; means for preventing longitudinal sliding movements of said axle; and a driver for said axle.

2,381,763

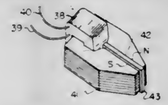
INDUCTIVE DEVICE

Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application December 31, 1940, Serial No. 372,484. Divided and this application April 25, 1942, Serial No. 440,427
1 Claim. (Cl. 171—242)

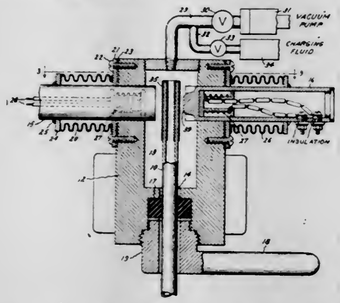
An inductive device, for use in an electrical circuit in which a direct current and a rela-

tively small superimposed alternating current flows, comprising a laminated core of magnetic material having a high initial permeability and a low hysteresis loss, a winding on said core, the direct current component of a composite current flowing in said winding normally magnetizing said core to an extent such that its incremental permeability is low compared to its initial permeability, a narrow air gap in said core, said core having a much greater cross sectional area at said air gap than at all other points, a thin permanently magnetized element having a high coercive force, an inherently high hysteresis loss, and a higher reluctivity than the core material, inserted in and having substantially the same cross sectional area as said air gap, said element



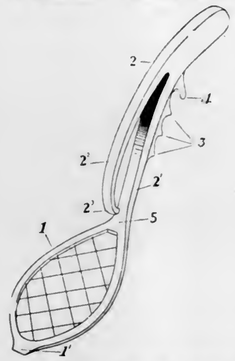
producing a magneto-motive force substantially equal and opposite to that produced in the core by the direct current component of the composite current flowing in said winding to thereby bias said core into the region where its incremental permeability is high, the increased cross sectional area of said element and the adjacent portions of the core reducing the density of the alternating magnetic flux produced therein, by the relatively small alternating current component of the composite current flowing in said winding, as compared to the remainder of the core to thereby overcome the increased reluctance and the increased hysteresis loss of the composite core structure occasioned by the insertion of said element.

2,381,764
APPARATUS FOR CHARGING AND SEALING TUBULAR CONTAINERS
George L. McFarland, Jr., Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 18, 1943, Serial No. 487,539
5 Claims. (Cl. 226—20.6)



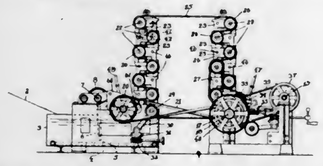
1. Apparatus for charging a metal container including a tube having an end portion provided with a layer of solder on its inner wall, comprising walls forming a chamber, one of said walls being provided with an aperture through which the tube is inserted to a predetermined position in said chamber, fluid charging and pressure maintaining means connected to said chamber, compression means in said chamber for compressing together the walls of said end portion, and means for heating said end portion concurrently with the operation of said compression means to a temperature to melt said solder.

2,381,765
PRINT HANDLING DEVICE
Louis Phillip Martinek, Cleveland, Ohio
Application February 14, 1944, Serial No. 522,278
4 Claims. (Cl. 95—100)



1. A print-handling device comprising a body member having an end paddle portion merging in curved formation into an opposite end handle, the latter being a multiple-part member the parts of which are integrally joined adjacent their outer ends and one part forming an operating handle proper and another part being a spring-like finger terminating adjacent the curved merging inner end of the paddle, whereby a print rested on the paddle can be gripped by the pressing of the end of the finger against the adjacent portion of the device.

2,381,766
APPARATUS FOR REMOVING WATER FROM PAPER WEBS
Charles W. Mayer, Rochester, N. Y.; Katherine B. Mayer executrix of said Charles W. Mayer, deceased
Application April 3, 1941, Serial No. 386,664
3 Claims. (Cl. 34—95)

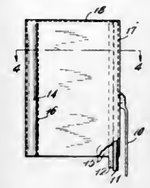


1. An apparatus for removing water from the webs of paper or the like comprising a pair of uprights, a plurality of rolls journaled between said uprights in staggered relationship to have the web traveling over the rolls alternately contact consecutive rolls with its opposite sides, scraper rods pivotally supported between said uprights and arranged opposite each of said rolls, scrapers on said scraper rods, and means operating said scraper rods to yieldingly hold said scrapers substantially tangentially in contact with said rolls spaced from the contacting portions of the web and the rolls.

2,381,767
WINDSHIELD DEFROSTER
Michael Mayer, Cleveland, Ohio
Application April 14, 1943, Serial No. 482,994
4 Claims. (Cl. 15—250.3)

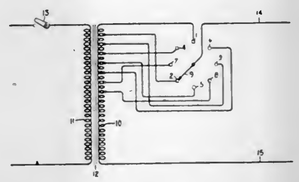
2. A windshield defroster comprising a double layer of fabric of generally rectangular form

which is provided at one edge with a compartment in which a defrosting agent is adapted to be placed, the other edge having its layers free for a portion of their length and fastened for



a portion of their length, the free portion including the bottom thereof, and the fastened portion extending along the top and downwardly for a distance along said other edge.

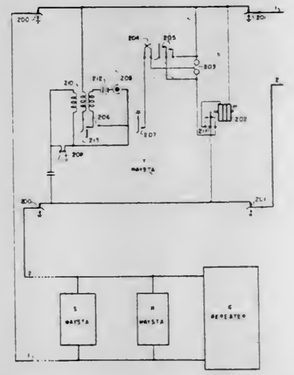
2,381,768
ELECTRIC CIRCUIT
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 29, 1943, Serial No. 512,130
6 Claims. (Cl. 171—119)



1. In combination, an inductive winding, a series of taps brought out from said winding, the turns of said winding within the range of said taps being permanently connected together, said series of taps being characterized by a constant voltage difference between electrically adjacent ones thereof, tap-changing means having as many equally spaced contacts arranged in a circle as said winding has taps, means for connecting electrically adjacent taps to non-adjacent contacts in a predetermined regular order so as to reduce the maximum voltage stress between adjacent contacts substantially below the total tap range voltage, each contact being connected to a different tap, and means for progressively making connection to said contacts which are connected to adjacent taps whereby said means goes more than once around said circle in progressively traversing said tap range.

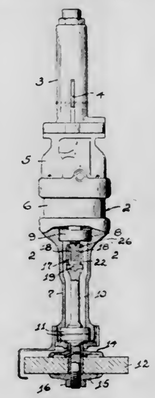
2,381,769
TELEPHONE SYSTEM
Imre Molnar, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 28, 1944, Serial No. 551,489
28 Claims. (Cl. 179—23)

1. In a telephone system, two exchanges, a separate source of current at each of said exchanges, terminals of opposite polarity for each of said sources of current, a trunk line interconnecting said exchanges, a differential relay and associated equipment for said trunk line at each exchange, a two way ground return control circuit superimposed on said trunk line through said differential relay at each exchange, the windings of said relays being commoned on one side and said common side of said windings being normally connected to corresponding terminals of the separate sources of current at each end of said control circuit, means at each exchange for connecting the other terminal of the separate source of current to said common side of said relay in place of the normally connected terminal, means for interrupting said last named connection and for restoring the connection of said normally connected terminal to said control circuit, said control circuit and associated equipment being



controlled and operated in response to said changes in the terminal connections of said control circuit, and a unidirectional current conducting device connected between each terminal of said separate sources of current and the common side of said differential relays at each exchange to prevent faulty operation of said control circuits due to differences of potential at the two exchanges during the times that both ends of said control circuit are connected to the same respective terminals of the separate sources of current.

2,381,770
ROTARY SHAFT COUPLING
Charles F. Overly, East Cleveland, Ohio
Original application May 20, 1942, Serial No. 443,743. Divided and this application November 10, 1943, Serial No. 509,953
4 Claims. (Cl. 64—23)



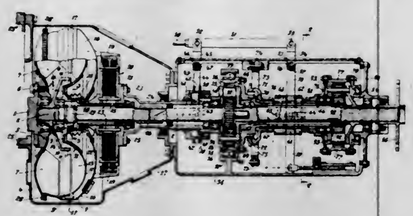
1. In a rotary shaft coupling a shaft having diametrically opposed key ways arranged length-

wise thereof, a mating sleeve sleeved upon said shaft and having diametrically opposed key ways arranged lengthwise of said sleeve in the inner wall thereof, and a U-shaped key member within said sleeve having its leg portions partly extended into the key ways of said shaft and partly extended into the key ways of said mating sleeve for coupling said shaft to said mating sleeve, said key member having its web portion intersecting the axes of said shaft and mating sleeve.

2,381,771
ANTIOXIDANTS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1943, Serial No. 506,880
8 Claims. (Cl. 260—800)

1. A method of retarding the deterioration of an organic substance which tends to deteriorate by absorption of oxygen from the air which comprises incorporating therein a para-substituted arylamino 2,2,4-trialkyl dihydroquinoline, the para-substituent being on the aryl nucleus and of a character inert to acidic reagents at a temperature below 170° C., said chemical being derived from reaction in the presence of an acidic catalyst of a ketone with an amino-substituted diarylamine having a position para to the secondary amino group, filled with said para-substituent.

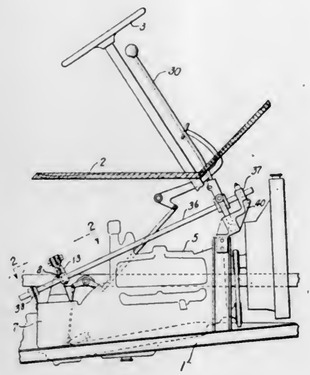
2,381,772
POWER TRANSMISSION MECHANISM
Albert D. Pentz, New York, N. Y.
Application January 12, 1943, Serial No. 472,118
38 Claims. (Cl. 74—189.5)



1. A power transmission mechanism comprising means for transmitting a portion of said power directly from a driving shaft to a driven shaft, means for transmitting the remainder of said power through a torque multiplying mechanism, and means for bodily transferring said power portion from said direct transmitting means to said torque multiplying mechanism and back again.

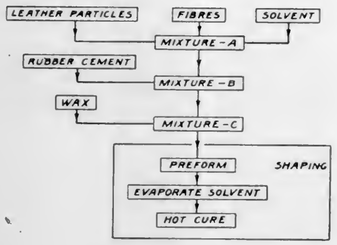
2,381,773
GEAR SHIFTING MECHANISM
Thomas F. Rainsford, Detroit, Mich., assignor of one-half to Lloyd Lawson, Dearborn, and one-half to Anthony J. D'Anna, Wyandotte, Mich.
Application June 7, 1944, Serial No. 539,057
10 Claims. (Cl. 74—473)

1. Gear shifting mechanism for a variable speed transmission comprising a main lever positioned at a point remote from said transmission, a gear shift lever for said transmission, an element both shiftable along and rotatable about its longitudinal axis, means connecting said element to said main lever whereby said element can be rotated about and shifted along its longitudinal axis by manipulation of said main lever, an arm fixed on said element, a resilient cross piece, a pivotal connection between said cross piece and



said arm, and a universal pivotal connection between said gear shift lever and said cross piece whereby movement of said main lever causes a corresponding movement of the gear shift lever.

2,381,774
METHOD OF MAKING CORK SUBSTITUTE
Lester A. Riefenstahl, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 31, 1941, Serial No. 425,121
3 Claims. (Cl. 18—48)

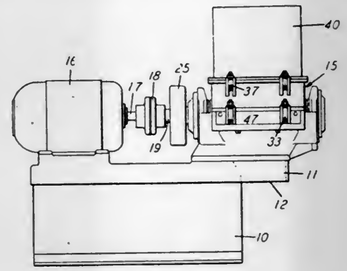


1. A method of preparing a relatively light weight leather base material, comprising forming a mixture of comminuted leather, fibrous material and a rubber solvent, mixing a rubber cement with the wet solids, incorporating a wax-like material into the mixture, preforming the mixture between cold preforming means, permitting a major portion of the solvent to evaporate, and then forming the preformed material to a smooth surface between a hot surfacing means.

2,381,775
GRANULATING AND CUTTING MACHINE
Fred M. Roddy, Providence, R. I.
Application January 7, 1942, Serial No. 425,923
12 Claims. (Cl. 241—73)

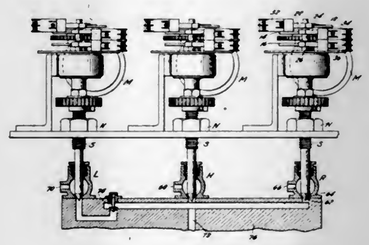
1. A cutting machine comprising a base, a two part casing the bottom member of which is fixedly secured to said base, said casing parts when in assembled position providing a cutting chamber for the material to be cut, said bottom

casing member being provided with deep openings in the upper part of its opposite side walls and extending lengthwise of said cutting chamber, a rotor within said casing, knives carried by said rotor and rotated thereby within said cutting chamber, knife-blocks in said openings in the lower member of said casing, means detachably securing said blocks in place in said openings,



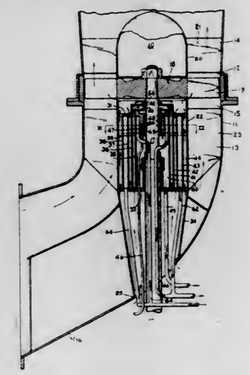
stationary knives affixed to said blocks and extending into said cutting chamber to coact with said rotor knives, a curved bottom screen in said casing and clampingly secured in place therein by said knife-blocks, and end bearings mounted in housings integral with the lower casing member and disposed exteriorly of said casing for rotatably supporting the opposite end portions of said rotor.

2,381,776
VALVE CONTROL FOR HYDRAULIC PRESSES
Gordon B. Sayre, Brooklyn, N. Y., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application November 12, 1938, Serial No. 239,933
17 Claims. (Cl. 137—139)



1. Control mechanism for a rotatable element, said control mechanism comprising a motor for rotating the element, reversing circuits and switches for controlling said motor, reduction gearing between said motor and element, the arrangement being such that said motor coasts after the aforesaid motor circuits are deenergized, a switch controlling shaft geared to said motor for rotation slower than the rotation of the element, motion limit cam disks on said control shaft, followers bearing against the peripheries of said disks and operatively connected to said motor switches, one of said disks being shaped to act as a motion limit disk for deenergizing the motor for limiting the movement of the element in one direction, the other of said disks being shaped to act as a motion limit disk for limiting the movement of the element in the other direction, said latter disk being so shaped that it would reenergize the motor if permitted to rotate at the same speed as the element.

2,381,777
BLOWER APPARATUS
Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,164
1 Claim. (Cl. 230—209)

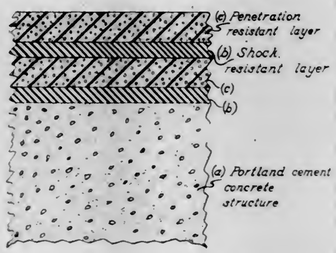


In an induced draft fan of the propeller type, an outer annular casing providing a passage for flow of air, said passage having inlet and outlet portions joined by an intermediate portion; a shaft extending axially of said passage; a propeller disposed in the intermediate portion of said passage and including a hub secured to the shaft and a plurality of blades carried by the hub; an inner annular casing coaxial with the shaft and the outer casing and located therebetween in the inlet portion of the passage; pre-twist guide vanes supporting the inner casing from the outer casing; a radial bearing for the shaft and positioned near the propeller within and supported from the inner casing; means providing a plurality of axially-aligned concentrically-disposed annular chambers between the inner casing and the bearing; means for supplying lubricant to the bearing through the innermost of said chambers; means for supplying cooling air to at least one other of said chambers; and means for supplying cooling water to yet another of said chambers.

2,381,778
PROCESS OF PRODUCING PROTECTED METAL ARTICLES
James M. Schoonmaker, Jr., Sewickley, and Franklin Stockton, Coraopolis, Pa., assignors to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
No Drawing. Application December 13, 1940, Serial No. 370,004
6 Claims. (Cl. 204—37)

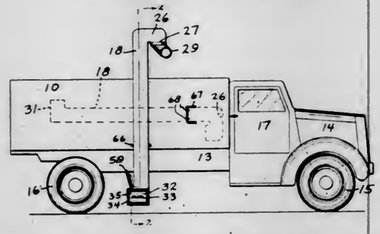
1. The method of protecting a ferrous article against corrosion which consists in depositing a continuous coating of nickel of substantially uniform thickness on the article, then applying to the nickel a coating of tin, and then heating at a temperature above 350° F. and below the melting point of tin for a period of time sufficient to diffuse at least a part of the tin into the outer portion only of the nickel.

2,381,779
PROTECTION DEVICE AGAINST AERIAL AND OTHER BOMBARDMENT
Frederick S. Scott, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 16, 1940, Serial No. 345,827
8 Claims. (Cl. 109—80)



1. An article comprising a structure having thereon a coating comprising a relatively thin internal layer of shock resistant material and a relatively thick external layer of penetration-resistant hard asphaltic concrete.

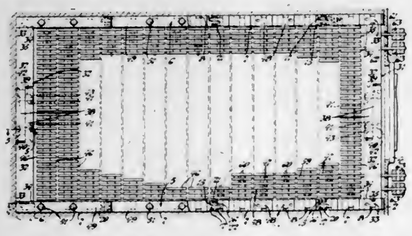
2,381,780
CONVERTIBLE ELEVATOR FOR TRUCKS
Glenn Simons, Larrabee, Iowa
Application July 22, 1944, Serial No. 546,163
2 Claims. (Cl. 214—83)



1. In combination with a truck box, an elevating conveyor pivotally attached to one side of the box, means for pivoting said conveyor to vertical position, means communicating from the bottom of said box to the bottom of said conveyor to transfer material from said box thereto, including a lower funnel tube, said box having an opening communicating with said tube, means for driving said elevator from the truck power-take-off, means for selectively filling said truck box including an outer door attached at the lower end of said conveyor, opening of said door providing means for depositing material therein and conveying such material upwardly, the upper end of said conveyor including a reversible spout attached thereto for conveying grain inwardly into said box, a slidable member slidably engaged with the base of said truck box adapted to open said opening when moved outwardly.

2,381,781
GRATE-SUPPORTING STRUCTURE
Charles A. Sleicher, Providence, R. I., assignor to New England Butt Company, Providence, R. I., a corporation of Rhode Island
Application March 5, 1943, Serial No. 478,101
1 Claim. (Cl. 126—176)

In a grate-bar supporting structure adjustable in length and width to conform to the varying dimensions of different sizes of boilers and furnaces, the combination of a plurality of relatively short rail-sections formed with bearing sockets for the ends of a series of grate-bars, offset flanges at the opposite ends of said rail-sections provided with holes for receiving bolts for fastening said sections together in alinement, said flanges also formed with mating recesses adapted to aline when the flanges are bolted together to form sockets for receiving the ends of certain of the grate-bars in the series and to cooperate with the sockets in the main lengths of the sections whereby to space the grate-bars equidis-



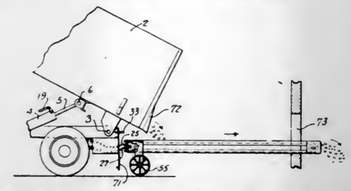
tantly along the full length of a plurality of said sections connected together in alinement, adjustable girts comprising telescopic members adapted to be fastened together to provide different overall lengths and having means for fastening their ends to the assembled rail-sections to space them apart at distances conforming to different widths of grates, a leg on each of the rail-sections, and feet adjustable vertically on the legs to support the individual rail-sections and level them in alinement irrespective of irregularities in the floor of the ash-pit beneath the boiler or furnace.

2,381,782
ELECTRICAL APPARATUS
Howard O. Stephens, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 26, 1943, Serial No. 511,854
13 Claims. (Cl. 175—356)



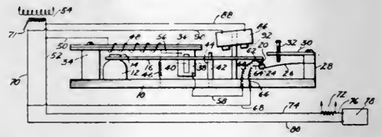
12. In a high-tension electrical apparatus, a winding having a plurality of substantially concentric serially connected conductor layers progressively decreasing in axial length toward the layer adapted to have the highest voltage, a line shield surrounding said layer having the highest voltage and having an axial length approximately equal to that of said layer, means providing a lower voltage shield adjacent said longest layer and having an axial length approximately equal to that of said longest layer, and means including electroresponsive means associated with said winding, so as to substantially prevent equipotential electrostatic lines under steep voltage impulses from crossing the ends of said conductor layers, said electroresponsive means comprising impedance means connected at least to the ends of some of the conductor layers between said layers adjacent said line and lower voltage shield means and to another point of said winding normally at a higher potential than said conductor layer ends.

2,381,783
CONVEYER FOR AUTOMOTIVE VEHICLES
Francis W. Stevenson, Detroit, Mich.
Application June 17, 1944, Serial No. 540,775
7 Claims. (Cl. 214—83)



1. For an automotive vehicle having an engine, a body for carrying bulk material, said body having a discharge opening for the discharge of the bulk material and the engine having a power take off; a conveyer having a movable conveyer element adapted to be placed to receive material discharged from the body for conveying the material from the vehicle, a hydraulic system including a pump driven by the power take off, a rotary hydraulic motor in the system, hydraulic lines extending from the pump to the motor and including flexible hose for manipulation of the motor relative to the vehicle, means constructed and arranged to provide re-action to torque for detachably mounting the motor on the conveyer, said conveyer having a rotary driven element and a detachable driving coupling between the motor and said driven element.

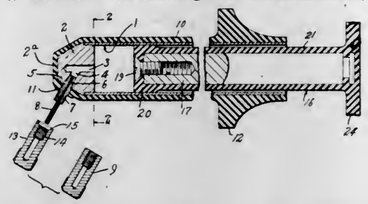
2,381,784
CONTROL DEVICE
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application June 22, 1942, Serial No. 447,933
4 Claims. (Cl. 200—122)



1. An electro-thermal relay comprising a movable armature device, a pair of initially closed contacts adapted to be opened upon movement of said armature device to one position, said contacts remaining closed until said armature device reaches said position, an element adapted to deflect when heated and cause movement of said armature device toward said position, means effective when said contacts are closed for heating said element and being ineffective for said purpose when said contacts are opened, an electromagnet adapted to attract said armature device after said movement has continued for a predetermined period and to retain it in said one position with said contacts opened, said element thereby becoming unheated and returning toward undeflected position, and a second pair of contacts adapted for joint operation with the first said contact pair when said armature device reaches said position to control a circuit extending therethrough.

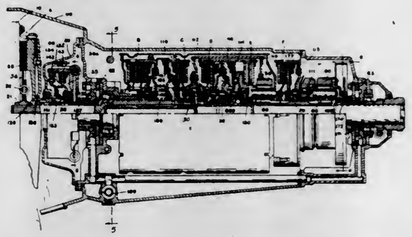
2,381,785
DENTAL HYDROCOLLOID SYRINGE
Morris J. Thompson, Los Angeles, Calif.
Application December 15, 1941, Serial No. 422,968
2 Claims. (Cl. 128—215)

1. In a dental hydrocolloid syringe, the combination of a cylinder, a plunger mounted to reciprocate in the cylinder, the cylinder having a frusto-conical head mounted at one end, a passage formed through the head, the passage having a section extending at substantially right



angled through the side of the frusto-conical head, and a relatively fine discharge needle mounted in and extending from the discharge passage to a point in advance of the frusto-conical head.

2,381,786
AUTOMATIC TRANSMISSION
Tracy Brooks Tyler, Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application September 11, 1939, Serial No. 294,256
22 Claims. (Cl. 192—35)

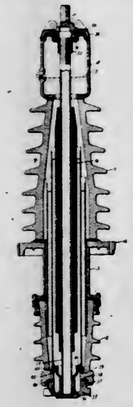


1. In an automatic clutch system, in combination with driving and driven elements, a clutch for releasably coupling said elements, a fluid motor for exercising a controlling influence upon the clutch, means for supplying fluid under pressure to said motor including pumping means operable in response to rotation of either of said elements, valve means, and independent operating means for said valve means controllable by the attainment of predetermined speeds by the driving element and by the driven element, for actuating said motor in response to the attainment of predetermined speeds by either of said elements.

2,381,787
BUSHING
Stephen Terpak and Lynn Wetherill, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application September 17, 1942, Serial No. 458,640
5 Claims. (Cl. 174—19)

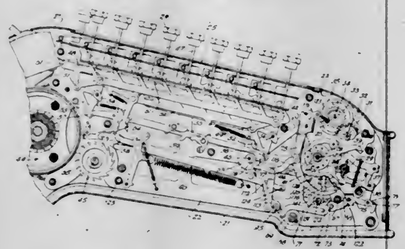
1. In a bushing for electrical apparatus, a shell of insulating material having an end portion, a conductor within said shell, cap means for enclosing said end portion, means for adjustably attaching said end cap to said conductor, resilient means between said end cap and said end portion, said adjustable attaching means providing relative axial adjustment between said end cap and said conductor and for adjusting the compression of said resilient means, flexible diaphragm means between said end cap and said shell end portion, means providing a substantially fluid-tight connection between said diaphragm and said cap and

between said diaphragm and said shell end portion, said cap means having a flange portion substantially enclosing said diaphragm and terminating relatively close to said shell end portion,



the amount of clearance between said end cap and said shell end portion giving a visual indication of the relative amount of compression of said resilient means.

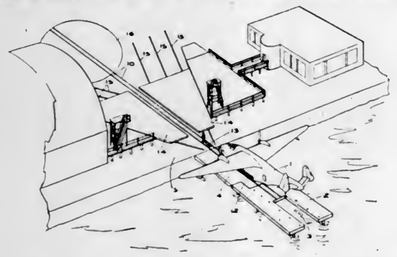
2,381,788
CARRY FOIL MECHANISM
Joseph A. V. Turck, Wilmette, Ill., assignor to Felt and Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1940, Serial No. 357,677
19 Claims. (Cl. 235—82)



1. In a calculating machine having a series of denominational orders of accumulator mechanism including automatic tens carrying mechanism, actuating mechanism for said accumulator, and depressible keys for effecting operation of said actuating mechanism; normally inoperative means adapted to be operated in response to the depression of any one of said keys for preventing effective operation of a selected tens carrying mechanism, said means being normally incapable of operation by the keys, and manipulative means for rendering said means operable by the keys.

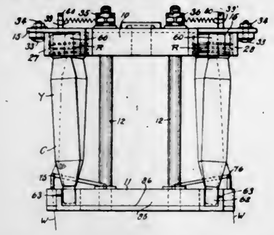
2,381,789
SEAPLANE DOCKING
William J. Turnbull, Towson, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application March 3, 1944, Serial No. 524,965
3 Claims. (Cl. 61—48)

1. A docking device for seaplanes, comprising a shore structure, a platform positioned offshore, means to submerge and elevate said platform relative to the surface of the water, said platform being cut-out to afford a dock when at



water level for a seaplane afloat, and a ramp on one end pivoted at the shore structure and the other end connected to the platform.

2,381,790
BOBBIN MAGAZINE FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1944, Serial No. 531,218
9 Claims. (Cl. 139—245)



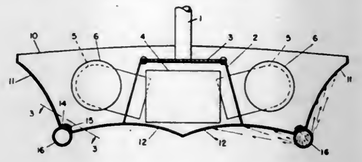
7. In a weft replenishing mechanism operating with a stack of bobbins the yarn diameter of which is less than the bobbin butt diameter, the mechanism having a guide for the bobbin tips, a guideway for the bobbin butts down which the bobbins fall by gravity and including a wall in fixed position on said mechanism, and a second wall in fixed position on said mechanism and substantially parallel to the first wall and at such a distance from the latter as to cause the bobbin butts to be staggered in said guideway with the axial distance between adjacent butts measured parallel to said walls substantially equal to the yarn diameter of said bobbins.

2,381,791
BOAT PROPULSION AND STEERING
Robert J. Wadsworth and Owen K. Nye, Indianapolis, Ind.
Application December 22, 1944, Serial No. 569,373
6 Claims. (Cl. 46—93)



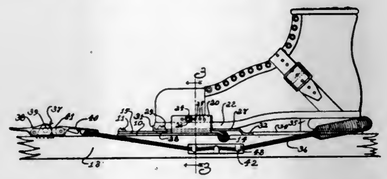
1. In combination with a boat hull, a propeller; a propeller shaft carrying the propeller; a member hinged at one end to the hull substantially on the keel line thereof to permit swinging by a rear portion to either side of the keel line; means revolubly supporting said shaft on said member; stop means limiting the travel of said member on each side of the keel line; said shaft extending forwardly of said supporting means; a propeller drive motor fixed to the hull forwardly of the hinge of said member and elastically engaging the forward portion of said shaft to impart both a rotary action and forward pull thereon.

2,381,792
EXTERIORLY ILLUMINATED REFLECTOR FOR LIGHTING FIXTURES
George P. Wakefield, Vermilion, Ohio, assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio, a corporation of Ohio
Application September 16, 1942, Serial No. 458,524
3 Claims. (Cl. 240—78)



1. In a lighting fixture of the indirect type, the combination of an opaque reflector comprising parts presenting oppositely concaved angularly related exterior surfaces, a narrow slit being provided along the meeting edges of such surfaces, and a tubular, cylindrical element of translucent material disposed without said reflector in close fitting alignment parallel with such slit, said element being of substantially greater diameter than such slit and the interior surface of said element being formed and disposed to reflect light passing through said slit onto such exterior surfaces of said reflector parts.

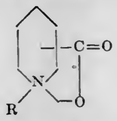
2,381,793
SKI HARNESS
David A. Wallace, Detroit, Mich.
Application May 14, 1942, Serial No. 442,889
6 Claims. (Cl. 280—11.35)



5. A harness for attaching a shoe to a ski comprising a pair of toe clamp elements extending longitudinally of said ski, means for pivotally attaching the forward ends of said elements to said ski in advance of the position thereon normally occupied by said shoe, resilient means operating upon the rear end portions of said elements for yieldably urging the latter together, an inwardly projecting member on each of said elements located rearwardly of the pivotal axis thereof and adapted to engage over the edge portion of the sole of said shoe, a shoe sole support extending over said toe clamp elements having an abutment in advance of said members for arresting forward movement of said shoe relative to said inwardly projecting elements, a stop engageable with at least one of said elements for limiting inward movement thereof, and mechanism for urging said shoe forwardly against said abutment.

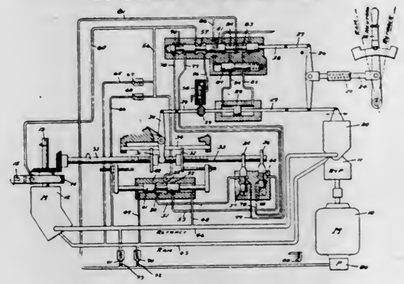
2,381,794
PROCESS OF PREPARING PYRIDINE CARBOXYLIC ACIDS
John Weijlard, Westfield, John P. Messerly, Clark Township, Union County, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 11, 1943, Serial No. 486,540
20 Claims. (Cl. 260—295.5)

1. The process that comprises heating a mixture of a pyridine hydrohalide and a substance represented by the formula:



wherein R is a substituent selected from the class consisting of alkyl, aralkyl, and aryl groups to produce a pyridine carboxylic acid, and separating the pyridine carboxylic acid.

2,381,795
HYDRAULIC CONTROL MECHANISM
Warren P. Willett, Takoma Park, Md., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application February 14, 1941, Serial No. 378,920
10 Claims. (Cl. 60—53)

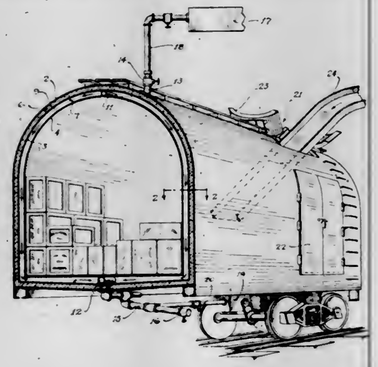


1. In a hydraulic variable speed transmission system for driving a load device, a variable speed transmissing including a pump member and a motor member, a pressure responsive movable part on one of said members for varying the output speed and the direction of the transmission, lines connecting said pump member and motor member, each adapted to serve alternately as pressure and return lines, control means for the movement of said transmission comprising a manual control member, hydraulic means responsive to movement to said member for shifting said movable part to a position whereby pressure is directed through said transmission, and means responsive to a predetermined movement of said motor for shifting said movable part gradually back to a neutral position independently of said hydraulic means.

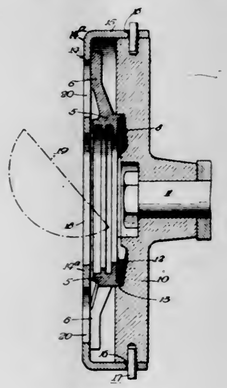
2,381,796
REFRIGERATOR CAR AND METHOD OF USING
Beverly E. Williams, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 21, 1943, Serial No. 491,594
5 Claims. (Cl. 62—15)

1. A body for a vehicle adapted to transport perishable products which must be preserved

under substantially constant temperature conditions, comprising a storage chamber, an enclosing wall surrounding the chamber, said wall being formed of a layer of insulation overlaying a substantially free space, means for enclosing said free space on all sides to form a fluidtight chamber substantially surrounding said storage chamber, said free space being divided into a plurality of flow channels, means to deliver a temperature control medium into each of said channels whereby when said medium is delivered into each of said channels it may be circulated around the storage chamber, and means for thereafter vacuumizing the free space to provide insulation against heat exchange through the wall.

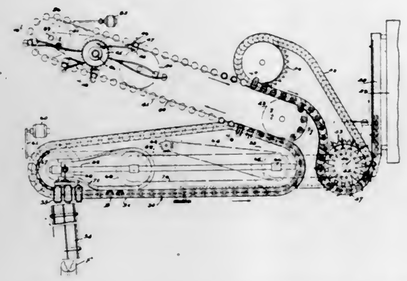


2,381,797
METHOD OF BABBITTING
Sidney Adels, Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 16, 1943, Serial No. 490,987
1 Claim. (Cl. 22—200.5)



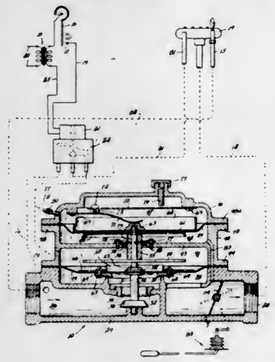
That improvement in babbitting the side face of a ring of metal which comprises, applying to and baking a protective coating on the side face and internal face of the ring, removing the coating from the side face of the ring which is to be babbitted, centrifugally casting Babbitt metal on the side face of the ring, and leaving the coating on the internal surface of the ring during the casting to prevent the spill and splash of the Babbitt metal from adhering to said internal surface.

2,381,798
ARTICLE CONVEYING MECHANISM
Joseph P. Benoit, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application March 25, 1942, Serial No. 436,129
23 Claims. (Cl. 49—58)



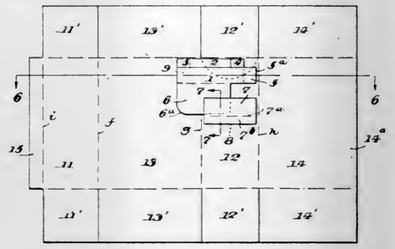
1. The combination of a horizontally traveling uprighter conveyor having a traveling supporting surface on which articles are placed and supported in upright position, a cradle conveyor traveling in a path having a portion thereof adjacent to a portion of the path of said uprighter conveyor, means for driving said conveyors in synchronism, a series of cradle units carried by the cradle conveyor and each comprising a cradle mounted to swing about a horizontal axis, means for swinging the cradles about said axes and thereby inverting the cradles, and means for automatically transferring the articles from the uprighter conveyor to the said cradles while the latter are inverted.

2,381,799
DIAPHRAGM VALVE
George H. Berkholder, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 20, 1943, Serial No. 503,051
18 Claims. (Cl. 137—144)



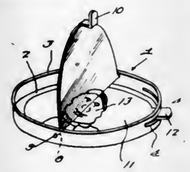
2. In a flow control device, a step opening valve, a stop, means for moving said valve into engagement with said stop to establish a minimum flow, means for moving said stop to permit further opening of said valve, means for selectively controlling the rate of movement of said stop, and means for utilizing outlet pressure to operate said first and said second named means for controlling the flow to maintain a predetermined outlet pressure.

2,381,800
MEASURING AND DISPENSING PACKAGE
Ernest J. Biskamp, San Antonio, Tex.
Application May 2, 1942, Serial No. 441,495
15 Claims. (Cl. 222—455)



9. As an article of manufacture, a folded blank box of the tubular type, in flat or collapsed condition, and having side and edge walls, said collapsed box having housed within it a plurality of superposed partition walls, said partition walls having both side edges hingedly supported at laterally and equally spaced points adjacent the opposite side walls of the box, whereby, when said box is opened up into tubular form, said partition walls are caused to swing about their hinges and assume a position extending across the box in spaced relation, parallel with each other and with the edge walls of the box, one of said partition walls having an extension, and means for anchoring the free end of said extension to an edge wall of the box, said partition walls and extension thus forming a chamber constituting measuring and dispensing means.

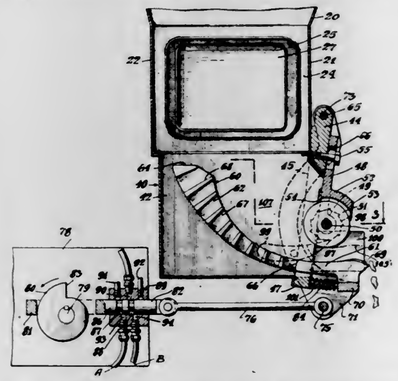
2,381,801
REFLECTOSCOPE
Harvey Lynn Bloxom, Council Bluffs, Iowa
Application September 1, 1944, Serial No. 552,355
5 Claims. (Cl. 272—13)



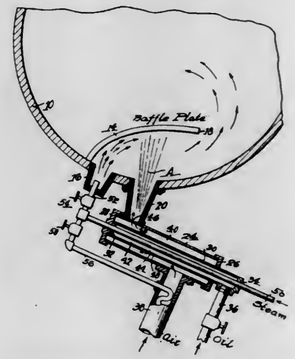
1. A device of the class described comprising a tray, a mirror mounted in said tray for swinging therein into a plane substantially perpendicular to the plane of the tray, and a card in said tray bearing a picture and shiftable below said mirror edgewise to expose different portions of the picture to the mirror for reflection therein.

2,381,802
DRY CHEMICAL FEEDER
George Martin Booth, Westfield, and John Scott Ballard, Montclair, N. J., assignors to Wallace & Tiernan Co. Inc., Belleville, N. J., a corporation of New York
Application October 23, 1941, Serial No. 416,256
17 Claims. (Cl. 222—200)

6. In apparatus for feeding dry, divided material, in combination, a feed hopper for the material, having a pair of opposite, inwardly and downwardly sloping walls for directing material to a discharge opening at the lower end of the hopper, each of said walls including a diaphragm forming a major portion of the wall and each of said diaphragms comprising a rigid plate forming substantially the greater part of the area of its wall and flexible means mounting said plate for movement in a direction perpendicular to its surface, and means for alternately oscillating each plate in said direction, to facilitate advance of the material to the discharge opening of the hopper, by causing a breaking up of the material in the hopper along progressively intersecting diagonal shear planes without compacting such material.

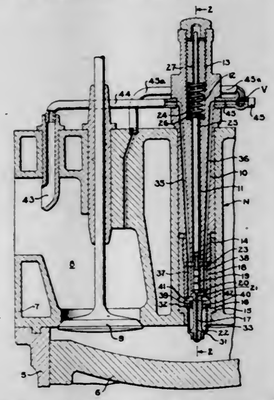


2,381,803
OIL BURNER
Delphis C. Breault, Boston, Mass., assignor to American Heat Corporation, Lowell, Mass., a corporation of Massachusetts
Application May 8, 1942, Serial No. 442,184
5 Claims. (Cl. 158—74)



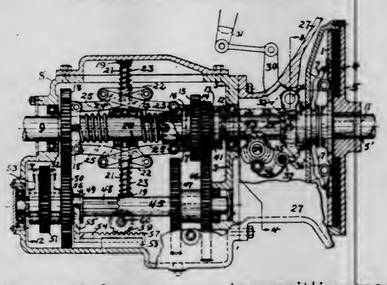
1. In combination with a furnace, an oil burner comprising a central pipe, means forming an oil chamber, a portion of the length of said pipe being surrounded by said means, an air chamber surrounding said oil chamber, a wall of the oil chamber being provided with an orifice for admission of oil into the air chamber, a wall of the air chamber being provided with an orifice in communication with the furnace, said pipe entering said furnace closely adjacent to said air chamber orifice but spaced therefrom, said pipe being adapted to conduct steam through the oil chamber into said furnace in the region of the oil and air mixture issuing into the furnace through the last named orifice to mix therewith in a single stream.

2,381,804
COOLING SYSTEM FOR FUEL INJECTION NOZZLES
Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 30, 1941, Serial No. 376,625
4 Claims. (Cl. 123—32)



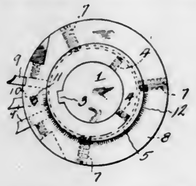
1. The combination with an internal combustion engine having an intake passage of a fuel injection nozzle having cooling passages therein, an air scoop in said intake passage of the engine, and means connecting said scoop with said nozzle whereby air is directed from said intake passage through said cooling passages during operation of the engine.

2,381,805
VARIABLE SPEED TRANSMISSION MECHANISM
Clyde D. Buck, Fremont, Ind.
Application June 22, 1942, Serial No. 447,909
4 Claims. (Cl. 192—3.5)



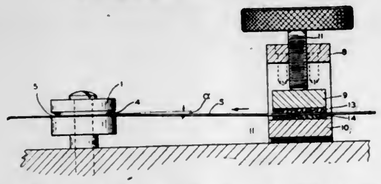
1. In speed change power transmitting mechanism having a motor-driven clutch, a transmission shaft and a propeller shaft alined upon a common axis, and provided with gearing disposed for adjustment selectively into low gear, intermediate gear, high gear, neutral and reverse gear positions, a lever control for said clutch, a gear shift sleeve to move said mechanism into said low gear, intermediate gear and high gear positions, a centrifugal governor rotatable by said propeller shaft provided with a connecting collar operatively engaging said shift sleeve, a contraction spring attached to said collar to urge movement thereof toward high gear position, compression springs arranged to restrain the centrifugal action of said governor, and a mechanism engaged by said sleeve and the clutch control to prevent shifting of the sleeve while the clutch is in action.

2,381,806
METAL BORING TOOL
Milton A. Clark, Mexico, Mo.
Application December 2, 1943, Serial No. 512,641
2 Claims. (Cl. 77—58)



1. A metal working cutting tool comprising a sleeve adapted to be received on the end of a cutter bar, an eccentric head carried by said sleeve integral therewith and of greater diameter than the sleeve and having an annular channel thereby forming the head into two eccentric bearing surfaces, an annular cutter tool carrying ring surrounding the eccentric head and rotatable thereon to adjusted positions, means carried by the ring and cooperating with the bottom of the channel of the head for holding the ring in adjusted positions, said ring being of the same width as the head and means whereby cutters may be received in the ring at different angular positions in relation to the axis of the cutter bar.

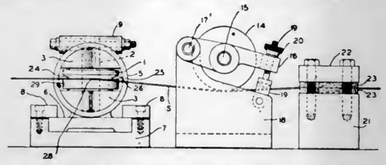
2,381,807
METHOD OF AND MEANS FOR REMOVING BURR FROM STRIPS
Elmer E. Davis and Thomas F. Stevens, Newton Falls, Ohio, assignors to The Thomas Steel Company, Warren, Ohio, a corporation of Ohio
Application October 15, 1942, Serial No. 462,198
10 Claims. (Cl. 164—17)



10. The method of removing burrs from the edges of a strip, said method consisting in passing said edges over the intersections of shearing surfaces of undriven rolls which are so disposed as to guide and support the strip edges, and controlling such passage in such a manner as to cause said intersections to apply a shearing action against those portions of the burred edges which extend beyond the body of the strip, thereby removing said portions without altering the desired cross-section of the strip.

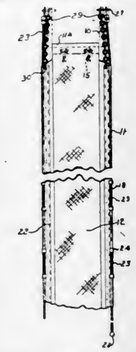
2,381,808
METHOD OF AND MEANS FOR PRODUCING BEVEL EDGES ON METAL STRIP AND THE LIKE
Elmer E. Davis and Thomas F. Stevens, Newton Falls, Ohio, assignors to The Thomas Steel Company, Warren, Ohio, a corporation of Ohio
Application December 10, 1942, Serial No. 468,526
14 Claims. (Cl. 164—60)

7. Means for beveling the edges of metal strip and the like, said means comprising a pair of spaced rolls having their axes inclined toward each other, each roll provided at its peripheral surface with an annular recess bounded at one side by a conical wall and at the other side by a wall in the form of a surface of revolution formed by revolving a line extending from the



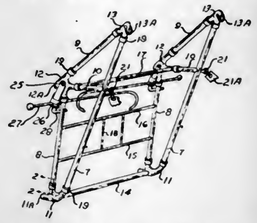
inner edge of the conical wall to the periphery of the roll, and at right angles to the axis of the roll, about the axis of the roll.

2,381,809
FIRE ESCAPE CHUTE
Harland D. Elwood, Detroit, Mich., assignor to Lewis A. Eastman, Wyandotte, Mich.
Application July 21, 1943, Serial No. 495,613
3 Claims. (Cl. 227—39)



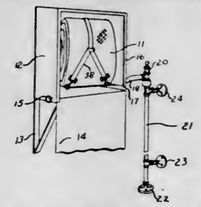
1. The combination of one or more layers of elongated flexible material formed with tunnels along the longitudinal edges, cables in said tunnels, spaced cut-out sections in said tunnels exposing said cables, reinforcing means at the respective ends of each cut-out section, means to anchor the upper ends of the layers of flexible material to another object, and means for anchoring the cables.

2,381,810
FIRE ESCAPE CHUTE SUPPORT
Harland D. Elwood, Detroit, Mich., assignor to Lewis A. Eastman, Wyandotte, Mich.
Application July 21, 1943, Serial No. 495,614
10 Claims. (Cl. 227—39)



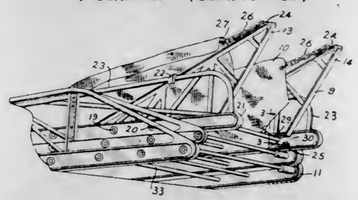
1. In a device of the character described, the combination of two end members secured together by a plurality of tie members, each of said end members consisting of a substantially vertical strut, a short angular strut, a long angular strut, telescoping members connecting the respective ends of said long strut to one end of said vertical strut and to one end of said short angular strut, and a telescoping member connecting the other end of said vertical strut to the other end of said short angular strut.

2,381,811
FIRE ESCAPE APPARATUS
Harland D. Elwood, Detroit, Mich., assignor to Lewis A. Eastman, Wyandotte, Mich.
Application July 21, 1943, Serial No. 495,615
4 Claims. (Cl. 227—39)



1. In a device of the character described, the combination of a flexible chute, an arm, a pivot support for said arm, uprights adjacent the free end of said arm, wings pivoted to said uprights, said wings being adapted to support the sides of said chute, a removable bar mounted between said uprights and adapted to support the bottom of said chute, and a housing adapted to accommodate said uprights, wings, and said chute, when the latter is folded, said housing having a slot in one side arranged to accommodate said arm.

2,381,812
FIRE ESCAPE APPARATUS FOR AERIAL LADDER TRUCKS
Harland D. Elwood, Detroit, Mich., assignor to Lewis A. Eastman, Wyandotte, Mich.
Application July 21, 1943, Serial No. 495,616
7 Claims. (Cl. 227—39)

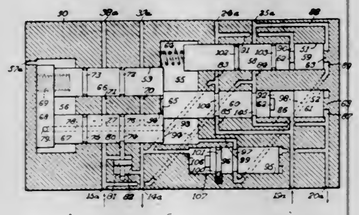


1. The combination with an aerial ladder, of a flexible chute, and means for mounting the chute to the ladder, the said chute mounting means comprising a frame secured to the rounds of the ladder, said frame having side members extending beyond the end of the ladder, and said side members having means for supporting the sides of the flexible chute.

2,381,813
TREATMENT OF ANIMAL TISSUE
Joseph Epst, Chicago, Ill.
No Drawing. Application April 26, 1943, Serial No. 484,603
1 Claim. (Cl. 99—107)

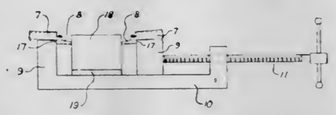
The method of potentially tenderizing tough animal tissue which comprises soaking the said animal tissue for a period of substantially 25 minutes in a tartaric acid solution having a pH of substantially 2.24, the said soaking operation being performed at room temperature, the said animal tissue being rendered chewable after cooking.

2,381,814
FLUID PRESSURE REMOTE CONTROL SYSTEM
Frederick Sydney Eves, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application December 30, 1941, Serial No. 425,010
In Great Britain November 8, 1940
8 Claims. (Cl. 137—78)



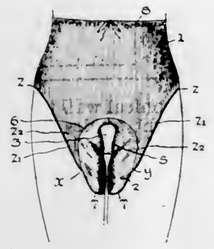
2. A fluid system for supplying and exhausting the opposite sides of a fluid-actuated motor, comprising a pair of independent fluid pressure means each having two ports and so constructed and arranged that either a region of high pressure or a region of low pressure may be present at one of the ports while the reverse condition of pressure is present at the other port, a valve device having two pairs of ports each of the pairs of ports communicating respectively with the ports of one of said independent fluid pressure means and a pair of passages adapted for connection to the fluid actuated motor, one passage of which is adapted to discharge fluid from the valve device while the other is adapted to admit fluid to the valve device, members in said valve device, each of said members being associated, respectively, with one of said pairs of valve ports and being biased to a normal position and movable therefrom in response to the application of pressure thereto solely from a separate one of said independent fluid pressure means, each of said members being provided with means for establishing communication between its associated pair of valve ports and the pair of passages when so moved, and means responsive to such movement of a predetermined one of said members to effect the exhaust of any pressure acting on the other of said members in a manner tending to move said other member.

2,381,815
HOLD-DOWN DEVICE
John Henry Filburn, Detroit, Mich.
Application July 8, 1943, Serial No. 493,885
2 Claims. (Cl. 90—60)



1. The combination with a vise having a pair of jaws, of a hold down device comprising a counterweight rest bar adapted to rest of its own weight on the upper surface of each jaw, each of said rest bars being provided with an offset portion from which depends an angular pinch bar, said pinch bar having an inclined rear surface arranged to contact the vise jaw and cause the pinch bar to rock downwardly in an inclined position when the vise jaws are closed on a work piece.

2,381,816
UNDERGARMENT
Jacob G. Frieman, Tiffin, Ohio
Application April 28, 1943, Serial No. 484,893
5 Claims. (Cl. 2—224)



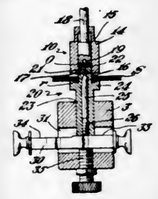
1. A pantie type garment of the class described, comprising a body portion terminating at the sides at a point above the major cross dimension of the wearer's hips, and a crotch section connected thereto and extending downwardly at the inner sides of the crotch so as to provide shields for preventing chafing, when the garment is worn, at the inside of the legs, said shields extending partly about the legs at the front and back thereof and leaving the legs otherwise uncovered down from the point above the hips aforesaid, the bottom free edge line of the body section being connected to the crotch section at points substantially centrally at the front and back of each leg so that said edge line aligns with the free edge line of the shields at the front and back of the legs to thereby impart stress to the bottom of the shields and hold said shields snugly against the inner surface of the legs.

2,381,817
SEWING APPARATUS
Percy Gardner, Glen Ridge, N. J., and Ralph Kagan, Brooklyn, N. Y., assignors to Lever Bias Machine Corporation, New York, N. Y., a corporation of New York
Application September 13, 1941, Serial No. 410,662
7 Claims. (Cl. 112—235)



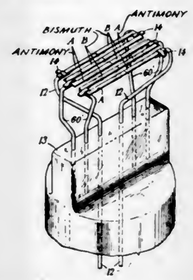
1. In a sewing machine having a sewing point and a reciprocatory needle at the sewing point and without a lower feed dog, the combination of means spaced apart from the sewing point and providing a continuous pull on the material tending to pull it past the sewing point, means to reciprocate said needle in synchronism with the speed of the pulling means, a presser foot adjacent the needle and having a main body portion, means to reciprocate the main body portion toward and away from the material being sewn in cyclical relation to the movement of the needle, and means on the presser foot and engaging the material at all times with a varying pressure depending upon the position of the main body portion of the presser foot with respect to the material.

2,381,818
MACHINE FOR FORMING AND REINFORCING CUTOUTS
Frederick S. Glines, East Lynn, Mass., assignor to Lorenz F. Muther, Newton Center, Mass.
Application October 17, 1942, Serial No. 462,400
2 Claims. (Cl. 218—15)



1. In a machine of the class described having mechanism for effecting a two-cycle operation, operating instrumentalities comprising cooperating male and female punch members for forming a cut-out in a piece of sheet material during one operating cycle, a depressible pilot associated with the female member, said pilot normally projecting beyond the cutting edge of said female member and being movable toward and away from the male member, cooperating dies circumposed about said punch members operative during the second operating cycle to clench an annular shaped reinforcement about the marginal portions of the cut-out formed by said punch members, said male member having a holding pin projecting from its upper surface and said pilot having a recess to receive the end of said pin, said pin cooperating with said pilot so as to penetrate said sheet material during the first operating cycle, thereby releasably to hold the severed material in position on said male member during the second operating cycle, but effective to permit said severed material to be replaced in the opening of the reinforcement applied to said cutout when the sheet material is removed from the area of operation of said instrumentalities.

2,381,819
THERMOCOUPLE
Arnold Graves, Surbiton, and Gilbert Arthur Richard Tomes, West Wickham, England, said Tomes assignor to Alltools, Limited, Brentford, England, a company of Great Britain
Application July 13, 1943, Serial No. 494,577
In Great Britain August 19, 1942
4 Claims. (Cl. 136—5)

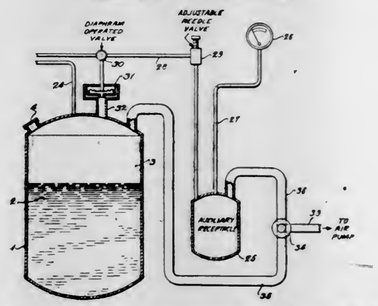


1. The combination, with a pair of spaced conducting wires, of a thermocouple supported thereon, said thermocouple comprising a narrow strip of thin sheet material of low thermal and electrical conductivity, one surface of which is supported by the wires and the other surface of which carries deposits of the materials constituting the elements of the thermocouple, said deposits contacting centrally of the strip to form a sensitive junction, and clips connecting the thermocouple to the wires and establishing thermal and electrical contact between the deposits and the wires.

2,381,820
CONVERSION OF HYDROCARBON OILS
Aristid V. Grosse and William J. Mattox, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 18, 1939, Serial No. 290,847
2 Claims. (Cl. 196—52)

1. A process for producing gasoline from heavier hydrocarbon oils which comprises subjecting the heavy oil to cracking conditions in the presence of a cracking catalyst consisting essentially of a calcined mixture of a precipitated silica hydrogel and a precipitated chromia hydrogel.

2,381,821
DEVICE FOR DETERMINING THE VOLUME OF GAS OR LIQUID IN RECEPTACLES
Tore Helleberg, Stockholm, and Sven Malmström, Linkoping, Sweden
Application December 4, 1944, Serial No. 566,482
In Sweden October 25, 1940
2 Claims. (Cl. 73—290)



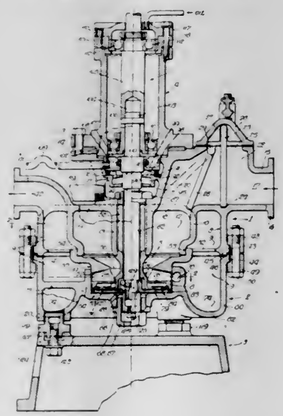
1. A device for determining the volume of liquid in a main receptacle containing a liquid and a gas under pressure, which comprises an auxiliary receptacle of known volumetric capacity, means for establishing equal gas pressures in said receptacles different from atmosphere, means establishing restricted communication between said main receptacle and atmosphere, means establishing restricted communication between said auxiliary receptacle and atmosphere, a normally closed valve in said last named means, means responsive to pressure in said main receptacle in excess of atmospheric pressure for biasing said valve to open position, a manometer, means connecting one side of said manometer to said auxiliary receptacle, the other side thereof being open to atmosphere.

2,381,822
METHOD OF MAKING METAL SOAPS
Paul Hodges, Crossett, Ark., assignor to Gulf States Paper Corporation, a corporation of Delaware
No Drawing. Application February 8, 1943, Serial No. 475,224
5 Claims. (Cl. 260—97.5)

1. The process of producing a metal soap of the heavy metals and alkaline earth metals which

comprises reacting a water solution of a compound of the metal selected from the group consisting of heavy metals and alkaline earth metals with "floating soap" collected from black liquor in the manufacture of cellulosic material by the sulfate or soda process.

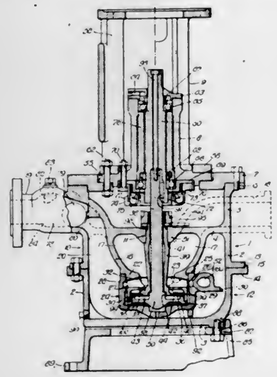
2,381,823
LIQUID SEALED PUMP
Harry E. La Bour, Elkhart, Ind.
Application April 17, 1942, Serial No. 439,308
22 Claims. (Cl. 103—103)



1. In a self-priming pump having a vertical impeller shaft, a rotor including an impeller on said shaft, a casing providing an intake trap having an inlet, a rotor chamber, a separator having an outlet, throating between the separator and the chamber permitting the re-entry of priming liquid into the peripheral part of the impeller during priming, a stationary sleeve surrounding the shaft extending down through the intake trap and terminating at its lower end in a stationary disk, said rotor comprising a channeled seal ring closed at its outer periphery and having end walls above and below the margin of the disc, the lower end wall being attached to the shaft to form a driving connection between the shaft and the rotor, the upper end wall carrying the impeller blades cooperating with said throating, said upper end wall being annular, and having its inner periphery spaced from said sleeve by a narrow annular gap constituting a liquid inlet into the top of the sealing channel, and blade means carried on the inside of the upper annular wall of the channel tending to drive sealing liquid around the outer periphery of the disk, said bottom annular wall and the bottom of the margin of the disk being positioned so closely to each other along at least the outer margin of the disk that sealing liquid cannot develop sufficient centrifugal force therein to oppose an equal radial depth of sealing liquid within the pumping means on the upper side of the seal disk.

2,381,824
VERTICAL SELF-PRIMING PUMP
Harry E. La Bour, Elkhart, Ind.
Application March 8, 1944, Serial No. 525,529
25 Claims. (Cl. 103—113)

1. In a vertical self-priming pump, a cylindrical hollow body comprising substantially cylindrical side walls, an upper closure wall below the top of said side walls, a bottom wall, walls depending from said upper wall defining an intake chamber, a cup-shaped impeller chamber member resting on said bottom wall and being telescopically joined to said walls of the intake member, an impeller in said impeller chamber, a shaft therefor extending through said upper closure wall, means for maintaining a seal about said shaft, a mounting ring resting upon the upper end of said sidewalls, a driving shaft barrel resting on said



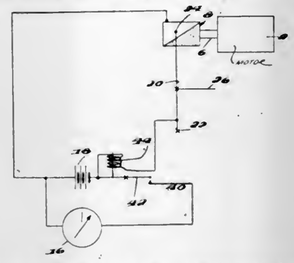
mounting ring, a driving shaft section having antifriction bearings in said barrel and being joined to said impeller shaft, a suction connection extending through the upper part of said sidewalls above said closure wall and opening into said intake chamber, and a discharge connection extending through the upper part of said sidewalls above said closure wall and opening into the space between said depending walls and said cylindrical sidewalls.

2,381,825
CATALYTIC CONVERSION PROCESS
Edward C. Lee, deceased, late of Chicago, Ill.; by Julia Southard Lee, administratrix, Ames, Iowa, and Jacob Elston Ahlberg, New York, N. Y., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Original application April 29, 1939, Serial No. 270,931. Divided and this application September 24, 1942, Serial No. 459,562
12 Claims. (Cl. 196—52)

9. A process for the conversion of hydrocarbon oils which comprises subjecting the hydrocarbon oil at a temperature in the approximate range of 850–1100° F. to the action of a catalyst prepared by compositing a hydrated silica with a precipitated hydrous oxide of a metal selected from the group consisting of chromium, molybdenum and uranium and calcining said composite, said catalyst being substantially free of alkali metal ions.

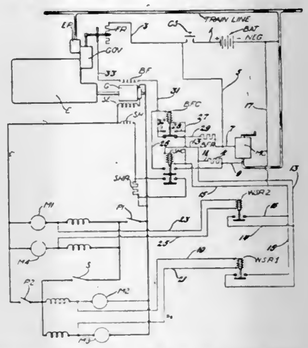
2,381,826
INDICATING DEVICE RESPONSIVE TO A CONDITION
Charles Levy-Savoye, New York, N. Y., assignor to General Aircraft Equipment, Inc., a corporation of Connecticut
Application September 18, 1942, Serial No. 458,912
2 Claims. (Cl. 73—407)

1. An indicating device comprising a cylinder, means for rotating said cylinder at a constant rate of speed, said cylinder having its exterior surface provided with alternating strips of conductive and non-conductive material, each of said alternating strips being tapered in width, a pair of spaced electrical contacts adapted to bear against the exterior surface of said cylinder, at least one of said contacts being movable with respect to the longitudinal axis of said cylinder, an electric circuit the component parts of which are connected in series with said electrical contacts,



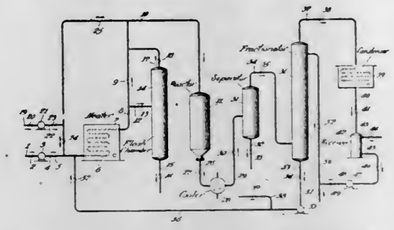
said parts comprising an electrical battery and a solenoid, and a second electrical circuit adapted to be connected in parallel with said series circuit when said solenoid is energized, said second circuit including a thermal ammeter connected in series therewith and means responsive to variations in pressure, said means being coupled to said movable contact to impart movement thereto.

2,381,827
GENERATING ELECTRIC DRIVE AND CONTROL SYSTEM
Torsten O. Lillquist, Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 22, 1943, Serial No. 473,174
6 Claims. (Cl. 105—35)



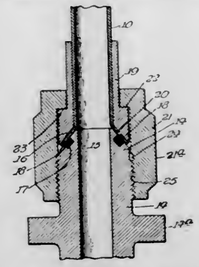
6. A locomotive comprising a plurality of pairs of wheeled driving axles, a driving motor for each axle, the individual wheeled axles of each pair being located on opposite sides of the center of gravity of the locomotive, separate means for electrically connecting the motors driving each pair of axles in parallel, a power plant for said motors, output varying means for said power plant, connection transferring means for causing each pair of parallel connected motors to be connected in series or parallel power circuit relation with said power plant, and electrical control means for said power plant output regulating means connected across each pair of parallel connected motors, said electrical control means adapted to act instantly upon a slight difference in speed between the motors of each pair to vary the power plant output so that incipient slippage of any driving wheel is checked instantly.

2,381,828
CONVERSION OF HYDROCARBONS
Carl B. Linn and Vladimir N. Ipatieff, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 25, 1942, Serial No. 466,925
19 Claims. (Cl. 196—9)



6. A process for converting a hydrocarbon oil into a substantial yield of gasoline which comprises heating said oil and a butane fraction under cracking conditions in the presence of both phosgene and at least one of the normally gaseous compounds of fluorine selected from the group consisting of hydrogen fluoride, boron fluoride, and carbonyl fluoride.

2,381,829
TUBE COUPLING
Carlos B. Livers, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application June 18, 1943, Serial No. 491,276
2 Claims. (Cl. 285—86)

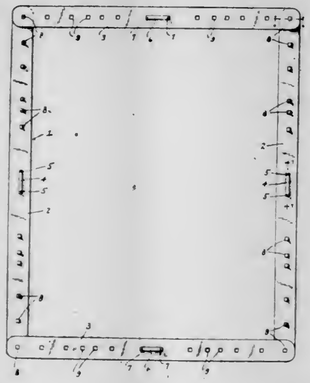


1. A coupling comprising a tube provided with an end portion having internal and external flared annular surfaces; a tubular member aligned and communicating with the tube; a tapered seat for and engaged by the flared internal face on the tube; a sleeve around the tube provided with an internal flared annular face for engaging the external flared face of the tube and clamping the end portion of the tube against the tapered seat; means for drawing said sleeve and member together and clamping the flared end of the tube between them; the conical seat on the tubular member being provided centrally between its ends with an annular groove; and an elastic ring in the groove normally having a cross-sectional shape which will enter the groove and leave a portion thereof projecting from the groove and the plane of the tapered seat, the groove having a cross-sectional area greater than the cross-sectional area of the portion of the ring lying within the groove while the remaining portion projects from the seat, the projecting portion of the ring being engaged and deformed by the internal flared annular surface on the tube into shape to completely fill the groove when the tube is clamped between said members.

2,381,830
MEDICINAL PREPARATION
Mervyn Joseph Lobel, New York, N. Y.
No Drawing. Application July 20, 1943, Serial No. 495,530
7 Claims. (Cl. 167—58)

1. An injectable preparation for the treatment of impaired hearing consisting essentially of the combination of at least 50,000 units of vitamin A, guaiacol, and eucalyptol.

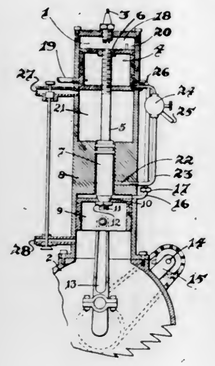
2,381,831
PHOTOGRAPHIC PRINTING MASK
Charles Clifford Maddy, Ottumwa, Iowa
Application September 21, 1943, Serial No. 503,271
2 Claims. (Cl. 95—79)



1. A masking frame comprising a pair of opposed flat side bars, and a pair of opposed similar end bars adapted to be opposed flatwise on the side bars to form a rectangle, and means to variably connect the side and end bars together to vary the size of the rectangle, comprising square pins on one face of the side bars, and square sockets in the end bars for receiving said pins, said pins and sockets being arranged in rows extending along the longitudinal center of the side and end bars, respectively, said pins and sockets being arranged in groups and the pins in one group being differently spaced relative to the spacing of those in another group.

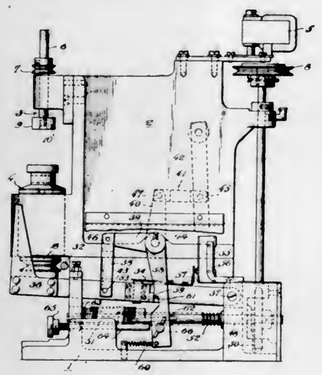
2,381,832
INTERNAL-COMBUSTION ENGINE
Arthur Percival Mansoff, Dauphin, Manitoba, Canada
Application May 8, 1943, Serial No. 486,125
5 Claims. (Cl. 123—69)

3. In an internal combustion engine, a cylinder providing inlet and exhaust ports, a piston for reciprocation in the cylinder, said piston being closed at the ends, a connecting rod for the piston and an integral piston section on the connecting rod, a block in the cylinder providing a bore for reciprocation of the connecting rod piston section, said block being spaced from the cylinder head to provide for compression areas above and below the piston, a pipe providing communication between the cylinder block bore and the upper compression area, charge forming means in the pipe, a secondary piston on the connecting rod below the block and forming a compression chamber in conjunction therewith, a scavenging pipe between said last mentioned compression chamber and the



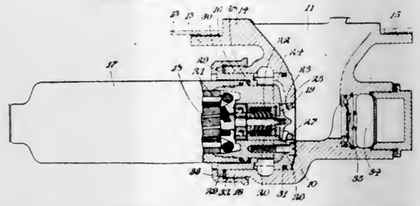
upper compression area, and valve means for the scavenging pipe.

2,381,833
SURFACING MACHINE
Ralph Bender Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application August 18, 1942, Serial No. 455,264
11 Claims. (Cl. 51—2)



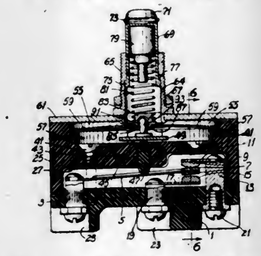
11. A surfacing machine comprising a toolholder and a workholder assembly mounted for rotational and relative straight line motion with respect to each other, means for rotating said workholder, said workholder assembly including a sleeve formed with a holding member at one end and a shaft slidable in said sleeve formed with a base for cooperation with said holding member in supporting a workpiece, means for rotating said tool holder, a tool contacted at one end by said toolholder, said end being moved in a circular path, and said tool being moved in a conical path, the other end of said tool being formed with a ball shaped projection to provide a spherical contacting working surface, said working surface engaging said workpiece at the apex of the path of movement of said tool, means preventing rotation of said tool by said workholder while said workholder is rotating and means for bringing said tool into working contact with said workpiece for a limited period of time.

2,381,834
CENTRIFUGAL PUMP FOR LIQUID
George Charles Meredew and Arthur Lionel Brown Dawson, London, England, assignors to Self-Priming Pump & Engineering Co. Limited, London, England, a British company
Application June 17, 1943, Serial No. 491,184
In Great Britain April 20, 1942
4 Claims. (Cl. 103—87)



1. A motor-driven centrifugal pump for liquid comprising in combination a base casting providing inlet and outlet conduits for liquid, a motor housing, a driving motor located therein and a direct-coupled pump impeller, the housing, motor and impeller together forming a unit removably mounted in the base casting, a block which provides the impeller chamber and which is secured by bolts to the impeller end of the motor housing so as to form part of the removable motor impeller unit, and an annular disc defining the inlet throat of the impeller chamber and secured to the block aforesaid by the same bolts which hold the block to the impeller end of the motor housing, the annular disc being provided with slotted apertures to enable the disc, on partial rotation in relation to the block, to be removed on slackening of the securing bolts, without necessitating complete withdrawal thereof.

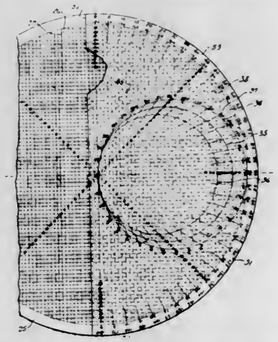
2,381,835
SWITCH
John O. Moorhead, Attleboro, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application December 18, 1943, Serial No. 514,757
8 Claims. (Cl. 200—6)



8. A multi-pole snap-acting switch comprising a plurality of biased spring switch arms, operating pins supported by said arms, a loosely guided equalizer bar supported by said pins, and a snap-acting spring member cooperating with lost motion with said equalizer bar.

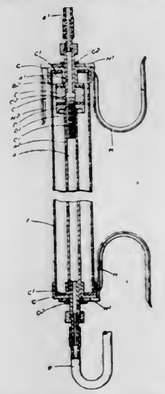
2,381,836
CALCULATING DEVICE
Ross A. Noble, Flint, Mich.
Application July 17, 1944, Serial No. 545,368
5 Claims. (Cl. 33—1)

1. A calculating device for ascertaining adjustable movements to be made in a mechanical apparatus which has an outer rotatably adjustable member, an inner rotatably adjustable member mounted eccentrically in the outer member, the inner member having a formation such as an opening or bushing or bearing or the like eccentrically positioned therein, for the purpose of rotatably adjusting the inner and outer members to position the center of said formation in the field covered by the amount of eccentricity, comprising a base member having a center of rotation, said base member having means dividing it into



increments of spacing from the center of rotation laterally in two directions, a gauging member pivotally mounted at the center of rotation, means forming at least part of a circle on the gauging member, the center of the circle being eccentrically disposed relative to the center of rotation, indicia on the gauging member for indicating the angle of rotation along the circle or part thereof and indicia for showing the angle of adjustment through which the gauging member is moved about the center of rotation.

2,381,837
LIQUID TRAP
Ralph Poole, London, England
Application March 14, 1944, Serial No. 526,431
In Great Britain April 5, 1943
8 Claims. (Cl. 183—44)



1. A liquid trap for use with the sampling line of a gas-detecting apparatus comprising an inner tube adapted to lie in an approximately vertical or steeply inclined position and to be connected at its upper and lower ends to the sampling line, an outer tube surrounding and spaced from the inner tube and supported at its ends thereon in a liquid-tight manner, a plug in the bore of the inner tube with upper and lower openings in the

inner tube respectively above and below the plug for the passage of gas, the lower opening being spaced from the lower end of the tube by a substantial distance and the inner tube below said opening being imperforate, and an annular baffle mounted on the inner tube in a liquid-tight manner at a point between the upper and lower openings with its outer edge spaced from both inner and outer tubes.

2,381,838

PREPARATION OF COOKED STARCHY VEGETABLES IN POWDER FORM

Theodore Rendle, Histon, England, assignor to Chivers & Sons Limited, Histon, England, a British company

No Drawing. Application March 17, 1943, Serial No. 479,526. In Great Britain March 2, 1942

12 Claims. (Cl. 99—207)

1. The method of preparing cooked mashed potatoes, in powdered and readily reconstitutable form from a mass of the cooked and mashed vegetable, which comprises performing successively and in the order set forth the steps of thoroughly mixing the same with an approximately equal weight of satisfactory seed powder, reducing the mixture to the desired state of fineness by a sieving operation, drying the powdered and reduced material, the said reducing and drying operations being so carried out as to preserve substantially all of the vegetable starch granule containing cells.

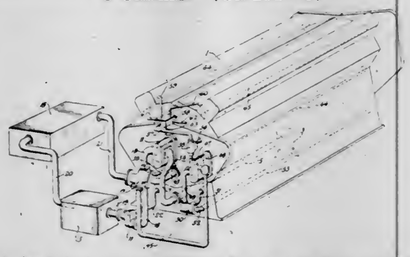
2,381,839

ENGINE LUBRICATING SYSTEM

Carl D. Salisbury, Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 27, 1942, Serial No. 467,098

3 Claims. (Cl. 184—6)



1. A lubricating system for an engine and auxiliaries driven thereby comprising main and auxiliary gear type lubricating pumps driven by the engine, said main pump being capable of supplying excessive amounts of lubricating oil to said engine and auxiliaries under all conditions of engine operation, said auxiliary pump being of smaller capacity than said main pump, pressure connections including a plurality of pressure relief valves leading from the outlet of said main pump to the engine main bearing and to the inlet of said auxiliary pump, said pressure relief valves having different sized relief openings and adapted to operate at different pressures in order that a narrow range of pressure is applied to the engine main bearings and inlet of said auxiliary pump for wide variations in temperature and viscosity of the lubricating oil for normal operating speeds of the engine so that a substantially constant volume of oil is passed by said auxiliary pump, and a supply connection between the outlet of said auxiliary pump and certain of said engine auxiliaries.

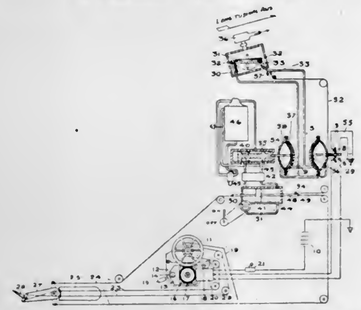
2,381,840

AUTOMATIC LONGITUDINAL TRIMMER

Rudolph K. Schaefer, Bernard Allen, and Rufino López, Brownsville, Tex.

Application August 25, 1943. Serial No. 500,020

6 Claims. (Cl. 244—76)



1. An automatic trimming device for aircraft having an elevator surface and a trim tab on said surface movable relatively thereto comprising, in combination, a first servo-motor for adjusting the elevator surface relatively to said craft; a second servo-motor for adjusting the trim tab relatively to said elevator surface; a first relay for controlling said first servo-motor; a second relay for controlling said second servo-motor; an artificial horizon; first means responsive to movements of a predetermined magnitude of the craft with respect to said horizon for operating said first relay in response to such movements; second means responsive to movements of the craft with respect to said horizon smaller than the movements to which said first responsive means responds, said second responsive means operating said second relay; and follow-up means actuatable by said elevator surface for adjusting said artificial horizon relatively to said craft.

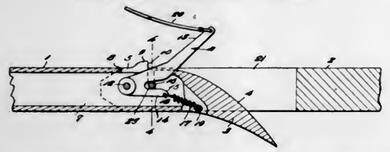
2,381,841

TRAILER HITCH

Henry F. Schultz, New Lothrop, Mich.

Application July 21, 1944. Serial No. 545,955

1 Claim. (Cl. 280—33.15)



In a hitch of the class described, a draft tongue having a bifurcated front end provided with a cross pin therein, a draw bar member adapted to be backed into said front end of the draft tongue, said bar being hollow and provided with a pair of side slots therein of inverted keyhole form having upper ends open at the top of said bar and into which said pin is adapted to enter to interlock said tongue with said bar, said bar having an upwardly and forwardly curving rear end for engagement with said pin to cam the pin upwardly onto the top of said bar and position the same over said upper ends of the slots when said tongue is backed, and means to yieldingly restrain said pin against upward movement out of said slots, comprising a spring-tensioned lever extending out of said bar for operation thereof in opposite directions and having a rearwardly opening forked end pivoted within said bar and adapted to straddle said pin, said end being constructed

and arranged to cam said pin into and out of said slots under movement of the lever in opposite directions, respectively, said slots having front stop-forming edges above the top of said bar for engagement by said pin to locate the same over the upper ends of said slots.

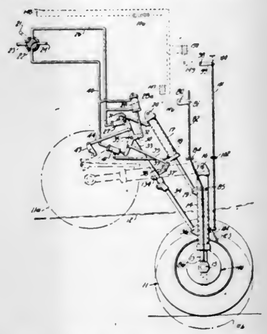
2,381,842

AIRCRAFT WHEEL CONTROL DEVICE

Fred N. Schwend, Berkeley, Calif.

Application September 16, 1943, Serial No. 502,615

11 Claims. (Cl. 244—103)



2. In an aircraft having a landing wheel, the combination with means for moving said wheel from a retracted position to an extended position relative to said aircraft; of motor driven means controlled by said last mentioned means upon operation thereof for continuously rotating said wheel, and means controlled by the impact between said aircraft and the ground upon landing for rendering said wheel rotating means ineffective.

7. In an aircraft having a landing wheel, the combination with means for moving said wheel from retracted position to extended position relative to said aircraft; of an energy transmitting device operatively connected to said wheel and selectively operable as a motor and as a brake, means responsive to said first mentioned means upon operation thereof to condition said device to operate as a motor, and means controlled by the impact between said aircraft and the ground upon landing for conditioning said device to operate as a brake.

2,381,843

PURIFICATION OF SAND AND OTHER MINERALS FROM IRON

Albert Sherlock, Rainford, England, assignor to Pilkington Brothers Limited, Liverpool, England, a company of Great Britain

No Drawing. Application September 29, 1942, Serial No. 460,145. In Great Britain November 7, 1941

13 Claims. (Cl. 23—182)

12. A process of decreasing the quantity of iron impurity in a mineral of the group consisting of sand, alumina, felspar, calcite, dolomite, magnesite, fluorspar and cryolite, including the steps of water washing the mineral, subjecting the mineral to a dilute solution of titanous sulphate in soluble form, soaking the mineral in a dilute solution containing the titanous sulphate and hydrofluoric acid and again water washing the treated mineral to remove iron released from the mineral by the soaking treatment.

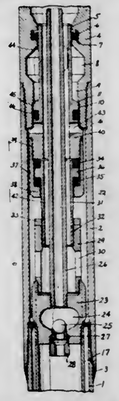
2,381,844

CORE TAKING APPARATUS

John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application May 11, 1942, Serial No. 442,401

8 Claims. (Cl. 255—72)



1. In a coring apparatus, an outer core barrel, an inner core barrel, and a differential piston on the inner core barrel and fitting within the outer core barrel, said piston having opposed surfaces of different areas and arranged to be subjected to the action of a fluid exerting the same pressure on the surfaces when the device is immersed in said fluid, said outer core barrel having a cylinder correspondingly shaped to receive the piston and provide a space intermediate the differential surfaces of the piston containing a compressible fluid, and serving for suspending the inner core barrel when the device is immersed in a fluid under pressure.

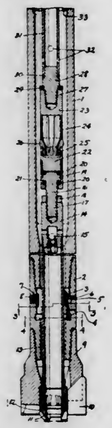
2,381,845

PRESSURE CORE DRILLING APPARATUS

John C. Stokes, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application May 11, 1942, Serial No. 442,399

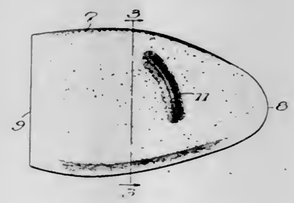
4 Claims. (Cl. 255—72)



1. In a coring apparatus, a core drill, a core barrel within said core drill to receive a core cut thereby, a chamber above said core drill and

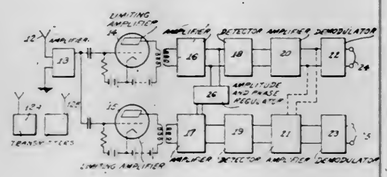
carried thereby and adapted to receive said core barrel after the taking of a core, a piston connected to the upper end of said core barrel, valve means initially preventing the application of fluid pressure flowing through said device to said piston, and means for opening said valve to cause the application of fluid pressure to said piston to raise said barrel into said chamber, and means for closing both ends of said chamber when said barrel has been raised thereinto.

2,381,846
FOOT CORRECTIVE ATTACHMENT FOR SHOES
Elbert F. Thomas, Wichita Falls, Tex.
Application April 10, 1943, Serial No. 482,619
2 Claims. (Cl. 36—71)



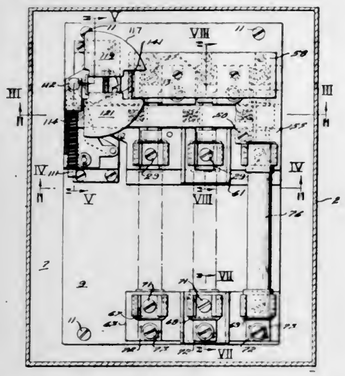
1. Corrective means for shoes including a resilient pad engageable with a shoe sole and conforming substantially to the shape of the sole, an integral resilient protuberance on the pad located between the ball of the foot and the pads of the toes, the ends of which fall short of the lateral margins of the pad, and a foot embracing flange extending substantially around the margin of the pad.

2,381,847
SYSTEM OF COMMUNICATION BY MEANS OF ELECTRICAL WAVES
Edward Hill Ullrich, London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 8, 1941, Serial No. 418,281
In France April 4, 1940
7 Claims. (Cl. 179—15)



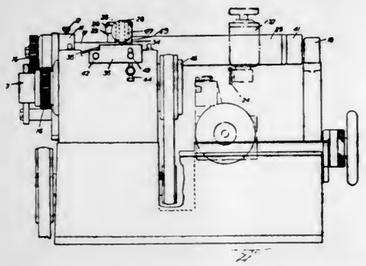
1. A receiving arrangement for an electric wave signalling system comprising means for simultaneously deriving from two signal transmitting channels respectively two signal wave trains of substantially constant but different amplitudes, first and second receiving paths each including a limiting device, and means located in the first path receiving said signal wave train of greater amplitude for injecting in opposition the resultant of said latter wave train into the second path receiving additionally said signal wave train of lesser amplitude, whereby in said second path the effect of said signal wave train of greater amplitude is substantially cancelled out.

2,381,848
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 3, 1943, Serial No. 485,466
5 Claims. (Cl. 200—50)



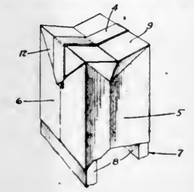
1. In a switching device, an enclosing cabinet, an openable cover therefor, an operating handle on said cover, an electric circuit controlling instrumentality mounted within said cabinet, said electric circuit controlling instrumentality comprising an insulating base, stationary and movable contacts thereon, and a movable switch member for moving said movable contact into and out of engagement with said stationary contact to effect the switching operation, actuating means for effecting movement of said movable switch member, said actuating means comprising a pivotal member operatively connected to said movable member, a rotatable member, toggle means interconnecting said rotatable member and said pivotal member, said toggle means being operative to lock said movable switch member in contacts engaged position, and means interconnecting said operating handle and said actuating means whereby said operating handle can move said actuating means to effect movement of said movable switch member to perform the switching operation.

2,381,849
SCREW-CUTTING LATHE
Sydney Herbert Varndell, London, England
Application October 28, 1943, Serial No. 507,933
In Great Britain October 30, 1942
3 Claims. (Cl. 82—5)



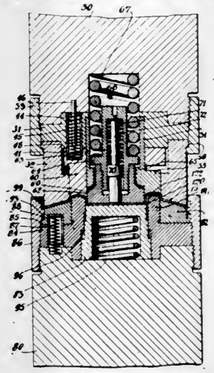
3. Improvements in screw-cutting lathes, comprising in combination, a screwed former, a guide member, a lever pivotally mounted on said guide member, an extension on said lever on which a tool holder is mounted, a control member pivotally mounted in said lever to which a former engaging member is connected, and a pivotally mounted member in said lever interconnected with the control member for actuating the tool holder.

2,381,850
METHOD OF MAKING BAG BODIES
Russell J. Williams, St. Louis, Mo., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application June 7, 1943, Serial No. 489,933
1 Claim. (Cl. 93—35)



A method of forming fold lines in the walls of an empty flat bag body to facilitate squaring the bag body when filled, which consists in slipping the empty bag body over a contracted mandrel comprising a pair of flat elements movable away from one another to expand the mandrel, and whereby the edge walls of the flattened bag body are disposed in the plane of movement of said elements, expanding the mandrel elements into engagement with one pair of the bag walls whereby the other pair of bag walls are placed under tension and whereby outwardly extending triangular flaps are provided at opposite sides of the bag bottom, folding said triangular flaps into engagement with said one pair of walls of the bag body and adhering them thereto, and then inwardly indenting the other pair of walls of the bag body and the bottom of the bag and pressing said one pair of said walls into flatwise relation with the other pair of walls and the bottom wall intucked between the said one pair of walls.

2,381,851
METHOD AND APPARATUS FOR MAKING HOOD CAPS
Kenneth R. Allen, Ridgewood, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application November 24, 1942, Serial No. 466,730
6 Claims. (Cl. 93—60)



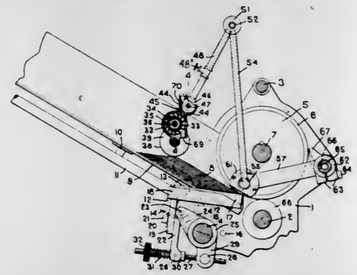
1. The method of forming a milk bottle cap or the like having a central depressed diaphragm, a pouring lip housing and an outwardly extending skirt from a blank, which comprises first cupping said blank to form said central depressed diaphragm while drawing the portions to form the skirt and pouring lip housing inwardly as the cupping progresses to form radial folds therein, confining the folds as the blank is drawn inwardly to definite locations around the periphery of said pouring lip housing portion, forming the pouring lip housing, pressing the folded material to form corrugations on the top of said pouring lip housing, and shaping the folds in said skirt portion to form said skirt.

2. A die for making a milk bottle cap or the like having a central depressed diaphragm, a pouring lip housing and an outwardly extending skirt, said die comprising members for cupping the central portion of a blank for forming said depressed diaphragm portion and drawing the outer portions of the blank inwardly as the cupping progresses to form radial folds thereon, members for confining the location of the folds as the blank is drawn inwardly during the cupping operation to definite locations around the periphery of the pouring lip housing portion, members for dieforming the folded material on the upper surface of the pouring lip housing portion to form a pouring lip housing having ribs, members for dieforming fold lines in the skirt portion to form the skirt, and means actuating said members in the order named.

2,381,852
TREATMENT OF TEXTILES
Carroll A. Hochwalt, Montgomery County, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application March 16, 1942, Serial No. 434,832
6 Claims. (Cl. 117—138.5)

3. The process of treating textile fibers to render the same water-repellent and resistant to rot development, comprising treating said fibers with a monoalkylene succinic acid salt, the alkylene group of which contains from 5 to 16 carbon atoms and thereafter treating said fibers with a soluble cupric salt.

2,381,853
AUTOMATIC SHEET FEEDING MECHANISM
Leon E. La Bombard, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire
Application January 7, 1943, Serial No. 471,540
17 Claims. (Cl. 271—36)



1. A machine of the class described comprising frictional feeding means, means for supporting a stack of sheets in downwardly inclined overlapped fanned relation to present a wedge-

shaped end with the lower end portion of the outermost sheet in contact with the feeding means, a constantly rotating yieldable presser means engaging the other ends of the sheets next beneath the outermost sheet acting to force said sheets lengthwise, thereby to cause the wedge-shaped end of the stack to press the end portion of the outermost sheet into proper engagement with the feeding means without buckling said sheets thereby to permit the feeding means readily to withdraw the outermost sheet from the stack.

2,381,854

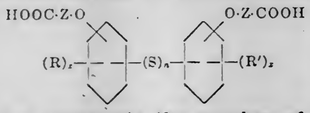
SULPHIDES OF ALKYLATED ARYL, OXY-ORGANIC CARBOXYLIC ACIDS

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application December 17, 1942, Serial No. 469,361

12 Claims. (Cl. 260—516)

1. As a new composition of matter, a condensation product having the general formula:



in which n represents the number of sulphur atoms and is a whole number from 1 to 4; O·Z·COOH represents an oxy-organic carboxylic acid group in which Z is selected from the group of organic groups consisting of aliphatic, alicyclic and aromatic groups; R and R′ represent aliphatic hydrocarbon groups containing at least twenty carbon atoms; and x represents a whole number from 1 to 4.

2,381,855

RAW MATERIAL FOR RESIN SYNTHESIS

Le Roy U. Spence, Elkins Park, and Charles H. McKeever, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 7, 1942, Serial No. 454,077

2 Claims. (Cl. 260—637)

1. In the process of preparing pentaerythritol by the condensation in aqueous solution of about four mols of formaldehyde and about one mol of acetaldehyde in the presence of about 0.6 mol of lime until the aldehyde content of the mixture is about 2% to 4%, the improvement which comprises the step of neutralizing the lime, after said condensation, with an acid from the group consisting of formic, acetic, and propionic acids.

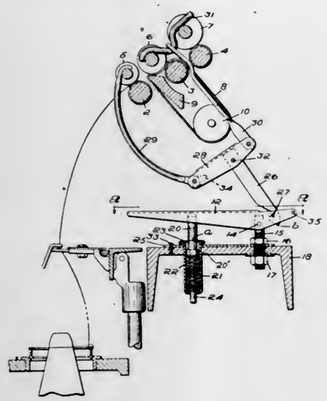
2,381,856

DRAWING MECHANISM FOR SPINNING AND ROVING FRAMES

Joseph Rabasa, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application June 25, 1942, Serial No. 448,342

10 Claims. (Cl. 19—135)



1. A weighting mechanism for one or more of the top rolls of a drawing mechanism for a spinning frame provided with a horizontal roll stand beam and including a sets of rolls above said beam for feeding strands of sliver forwardly toward the front of said beam, comprising a lever fulcrumed on the rearward portion of said beam and extending forward above said beam to a convenient operating position at the front thereof below the front rolls, connections running from the rearward portion of said lever to one or more of said top rolls to weight the latter, the forward end portion of said lever forming a handle, and a spring unit positioned in said beam near the forward side thereof and acting on said lever to tension said connections.

DESIGNS

AUGUST 7, 1945

141,945

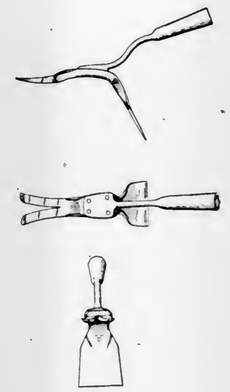
DESIGN FOR A COMBINED HOE AND WEEDER HEAD

Clyde W. Busby, Dixmont, Pa.

Application November 8, 1944, Serial No. 116,214

Term of patent 3½ years

(Cl. D35—2)



The ornamental design for a combined hoe and weeder head, as shown.

141,946

DESIGN FOR A DOLL STROLLER

Myer Cohen, Beverly, Mass.

Application January 31, 1945, Serial No. 117,688

Term of patent 14 years

(Cl. D34—15)



The ornamental design for a doll stroller, as shown.

141,947

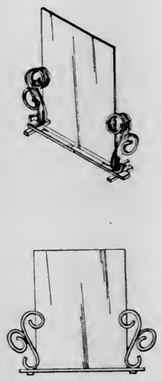
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE

Milan E. Gabriel, New York, N. Y.

Application January 26, 1945, Serial No. 117,610

Term of patent 3½ years

(Cl. D29—20)



The ornamental design for a picture frame or similar article, substantially as shown.

141,948

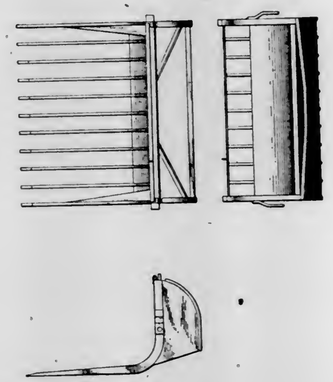
DESIGN FOR A UTILITY FORK

John I. Michaels, Wichita, Kans.

Application April 23, 1945, Serial No. 119,153

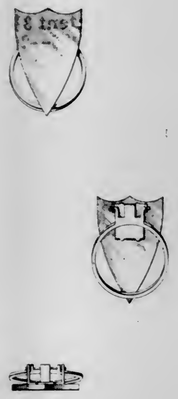
Term of patent 14 years

(Cl. D39—1)



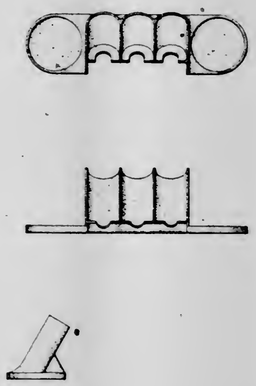
The ornamental design for a utility fork, substantially as shown.

141,949
DESIGN FOR A CLIP FOR WEARING APPAREL OR SIMILAR ARTICLE
John F. Pivcevich, New York, N. Y.
Application June 26, 1944, Serial No. 114,204
Term of patent 7 years
(Cl. D17—3)



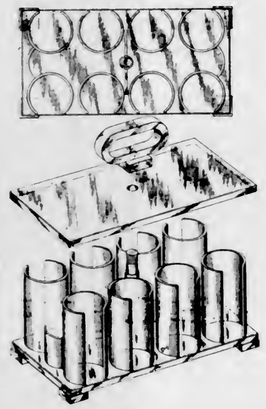
The ornamental design for a clip for wearing apparel or similar article, as shown.

141,950
DESIGN FOR A POKER CHIP RACK
William B. Sewell, Los Angeles, Calif.
Application April 21, 1945, Serial No. 119,130
Term of patent 14 years
(Cl. D34—5)



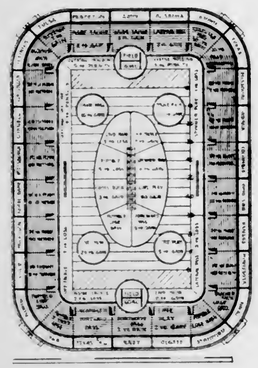
The ornamental design for a poker chip rack, as shown.

141,951
DESIGN FOR A POKER CHIP AND PLAYING CARD HOLDER
Donald J. Smith, Los Angeles, Calif.
Application April 16, 1945, Serial No. 119,044
Term of patent 7 years
(Cl. D34—5)



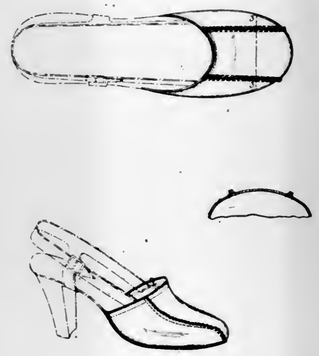
The ornamental design for a poker chip and playing card holder, substantially as shown.

141,952
DESIGN FOR A TARGET GAME DEVICE
Benjamin P. Barrett, Salem, Ohio
Application April 7, 1945, Serial No. 118,891
Term of patent 14 years
(Cl. D34—5)



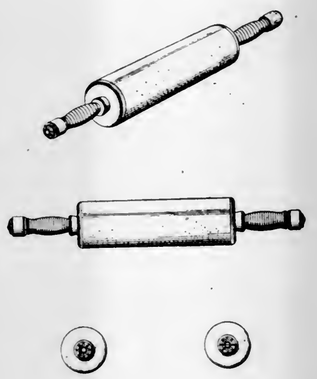
The ornamental design for a target game device, as shown.

141,953
DESIGN FOR A SHOE
Grace Powell Christison, New York, N. Y.
Application April 9, 1945, Serial No. 118,907
Term of patent 3½ years
(Cl. D7—7)



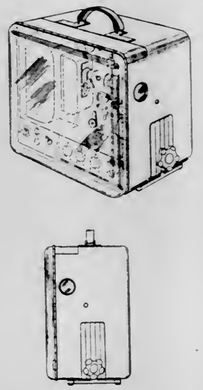
The ornamental design for a shoe, as shown.

141,954
DESIGN FOR A ROLLER BLOTTER
Lucy Cotton, Miami, Fla.
Application November 7, 1944, Serial No. 116,207
Term of patent 14 years
(Cl. D74—1)



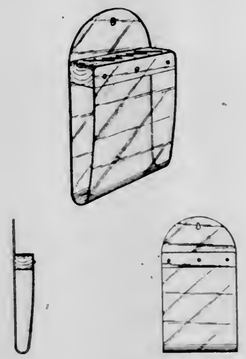
The ornamental design for a roller blotter, as shown and described.

141,955
DESIGN FOR A PORTABLE MOTION PICTURE MACHINE AND CARRYING CASE THEREFOR
William C. De Vry, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application March 19, 1945, Serial No. 118,586
Term of patent 14 years
(Cl. D61—1)



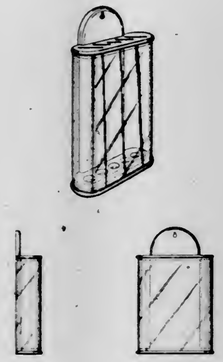
The ornamental design for a portable motion picture machine and carrying case therefor, as shown and described.

141,956
DESIGN FOR A KNIFE RACK
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 114,865
Term of patent 14 years
(Cl. D44—29)



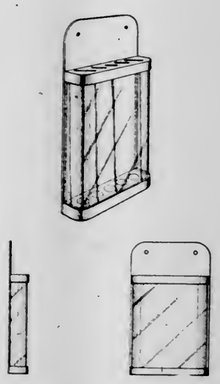
The ornamental design for a knife rack, as shown.

141,957
DESIGN FOR A KNIFE RACK
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 114,866
Term of patent 14 years
(Cl. D44—29)



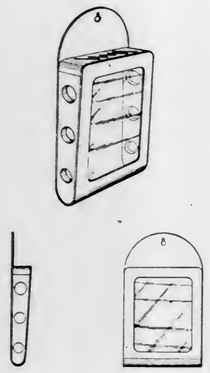
The ornamental design for a knife rack, as shown.

141,958
DESIGN FOR A KNIFE RACK
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 114,867
Term of patent 14 years
(Cl. D44—29)



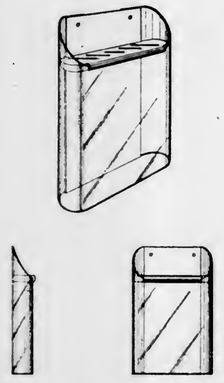
The ornamental design for a knife rack, as shown.

141,959
DESIGN FOR A KNIFE RACK
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 114,868
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a knife rack, as shown.

141,960
DESIGN FOR A KNIFE RACK
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1944, Serial No. 114,869
Term of patent 14 years
(Cl. D44—29)



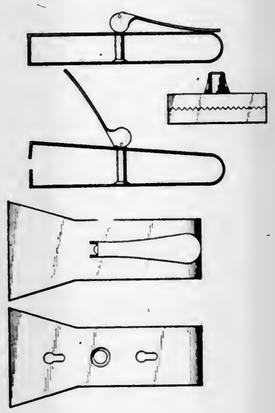
The ornamental design for a knife rack, as shown.

141,961
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application April 21, 1945, Serial No. 119,127
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

141,962
DESIGN FOR A CLAMP
Irvin Knobel, Osseo, Minn.
Application March 8, 1945, Serial No. 118,361
Term of patent 7 years
(Cl. D17—6)



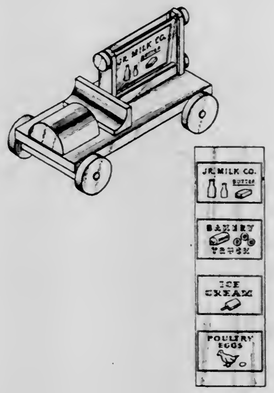
The ornamental design for a clamp, substantially as shown.

141,963
DESIGN FOR A PLAQUE
Irwin W. Lemle, Chicago, Ill.
Application March 24, 1945, Serial No. 118,674
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a plaque, substantially as shown.

141,964
DESIGN FOR A TOY TRUCK
George Lerner and Samuel Gilbert, Los Angeles, Calif.
Application February 21, 1945, Serial No. 118,067
Term of patent 3½ years
(Cl. D34—15)



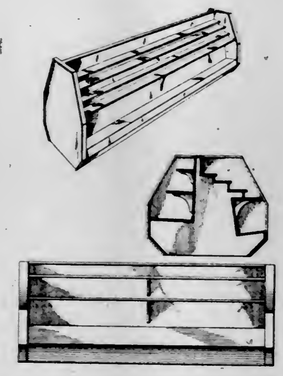
The ornamental design for a toy truck, substantially as shown and described.

141,965
DESIGN FOR A TOY
Benjamin Franklin Long, Union City, N. J.
Application January 16, 1945, Serial No. 117,453
Term of patent 7 years
(Cl. D34—15)



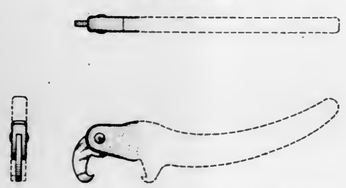
The ornamental design for a toy, as shown.

141,966
DESIGN FOR A DISPLAY CASE
Peter O. Pedersen, Oakland, Calif.
Application April 28, 1945, Serial No. 119,302
Term of patent 14 years
(Cl. D80—9)



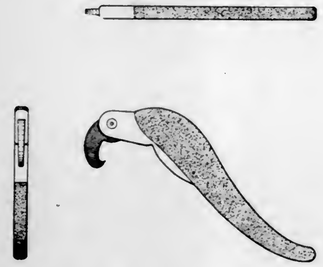
The ornamental design for a display case, as shown.

141,967
DESIGN FOR A CONTAINER CLOSURE REMOVER
Mauritz C. Ranseen, Minneapolis, Minn.
Application September 27, 1944, Serial No. 115,479
Term of patent 14 years
(Cl. D44—29)



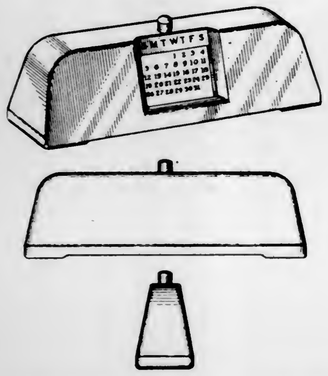
The ornamental design for a container closure remover, substantially as shown and described.

141,968
DESIGN FOR A CROWN CAP REMOVER
Mauritz C. Ranseen, Minneapolis, Minn.
Application September 27, 1944, Serial No. 115,481
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a crown cap remover, substantially as shown.

141,969
DESIGN FOR A PERPETUAL CALENDAR
Semon H. Stupakoff, Latrobe, Pa.
Application May 26, 1945, Serial No. 119,749
Term of patent 14 years
(Cl. D74—5)



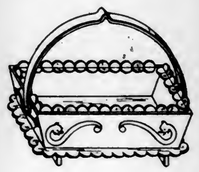
The ornamental design for a perpetual calendar, substantially as shown and described.

141,970
DESIGN FOR A BIBLE BOOK COVER
Frank Tatar, Cincinnati, Ohio, assignor to Know Your Bible Company, Cincinnati, Ohio, a firm
Application September 29, 1944, Serial No. 115,511
Term of patent 14 years
(Cl. D6—2)



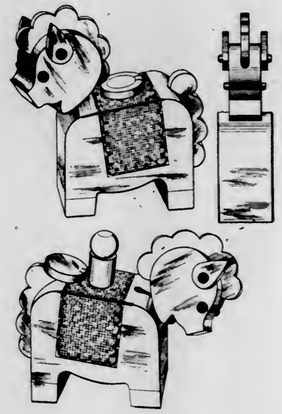
The ornamental design for a Bible book cover, substantially as shown and described.

141,971
DESIGN FOR A TRAY FOR COSMETICS
Morris Walhimer, New Haven, Conn.
Application December 30, 1944, Serial No. 117,163
Term of patent 3½ years
(Cl. D58—4)



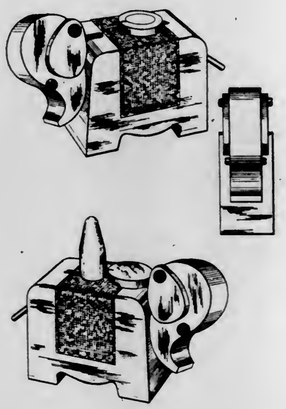
The ornamental design for a tray for cosmetics, as shown and described.

141,972
DESIGN FOR A TOY
Leo Wolf, Chicago, Ill.
Application February 23, 1945, Serial No. 118,105
Term of patent 3½ years
(Cl. D34—15)



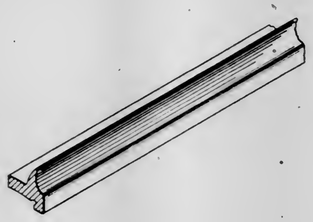
The ornamental design for a toy, as shown and described.

141,973
DESIGN FOR A TOY
Leo Wolf, Chicago, Ill.
Application February 23, 1945, Serial No. 118,108
Term of patent 3½ years
(Cl. D34—15)



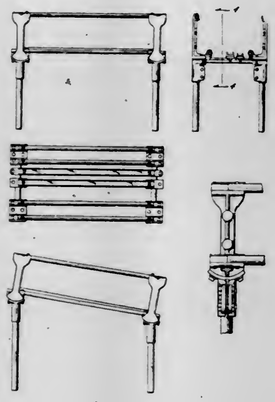
The ornamental design for a toy, as shown and described.

141,974
DESIGN FOR A SHOE WELT
Wallace C. Wright, Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass., a corporation of Massachusetts
Application November 15, 1944, Serial No. 116,349
Term of patent 14 years
(Cl. D7—6)



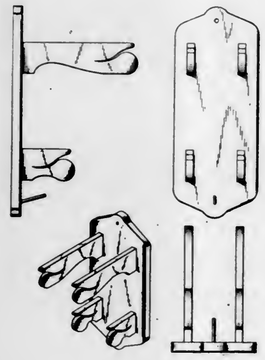
The ornamental design for a shoe welt, as shown.

141,975
DESIGN FOR A CONVEYER FRAME
Willard S. Campbell, Chicago, Ill.
Application April 25, 1945, Serial No. 119,181
Term of patent 14 years
(Cl. D55—1)



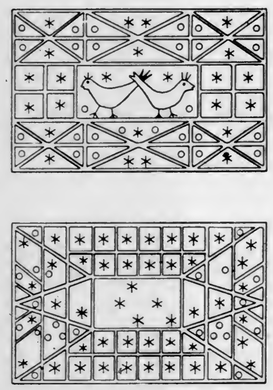
The ornamental design for a conveyer frame, substantially as shown.

141,976
DESIGN FOR A TOWEL RACK OR THE LIKE
Earl J. Coffed, Depew, N. Y.
Application April 24, 1945, Serial No. 119,167
Term of patent 14 years
(Cl. D33—16)



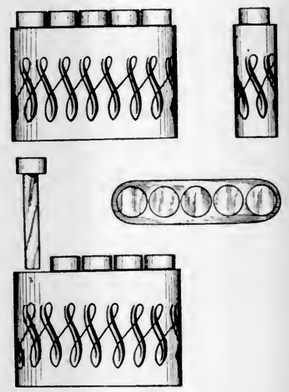
The ornamental design for a towel rack or the like, substantially as shown.

141,977
DESIGN FOR A CRACKER
Rocco Forte, Madison, N. J.
Application December 5, 1944, Serial No. 116,709
Term of patent 3½ years
(Cl. D8—1)



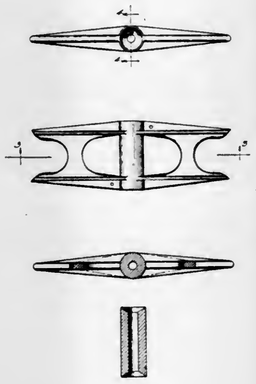
The ornamental design for a cracker, as shown and described.

141,978
DESIGN FOR A MULTIPLE HOLDER FOR COSMETIC PREPARATIONS OR THE LIKE
Fred Frederics, New York, N. Y.
Application April 16, 1945, Serial No. 119,042
Term of patent 14 years
(Cl. D86—10)



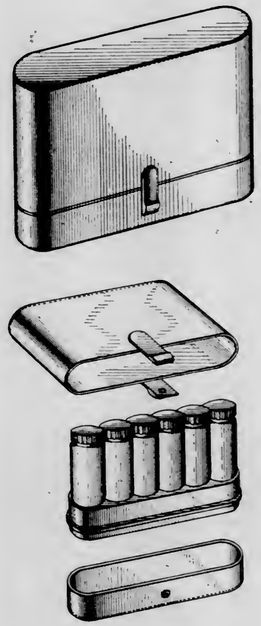
The ornamental design for a multiple holder for cosmetic preparations or the like, substantially as shown and described.

141,979
DESIGN FOR A FISH LINE REEL
Reynold T. Hedfield, Madison, Wis.
Application May 4, 1945, Serial No. 119,384
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish line reel, substantially as shown.

141,980
DESIGN FOR A TOILET KIT OR THE LIKE
Robert L. Holland and Walter F. Nessen, Chicago, Ill., assignors to Holland & Small, Chicago, Ill., a partnership
Application March 8, 1945, Serial No. 118,336
Term of patent 14 years
(Cl. D86—10)



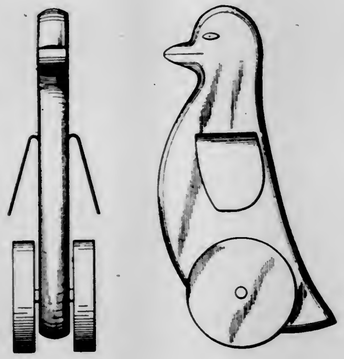
The ornamental design for a toilet kit or the like, substantially as shown and described.

141,981
DESIGN FOR A SUIT
Molly Levy, New York, N. Y.
Application June 2, 1945, Serial No. 119,852
Term of patent 3½ years
(Cl. D3—4)



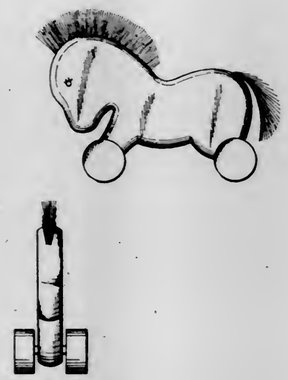
The ornamental design for a suit, substantially as shown.

141,982
DESIGN FOR AN ANIMAL TOY
Walter Paul, San Francisco, Calif., assignor to Ethel M. Vernon, San Francisco, Calif.
Application June 13, 1944, Serial No. 113,979
Term of patent 3½ years
(Cl. D34—15)



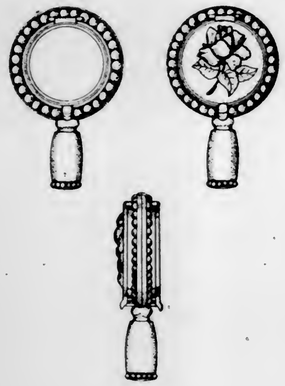
The ornamental design for an animal toy, substantially as shown.

141,983
DESIGN FOR AN ANIMAL TOY
Walter Paul, San Francisco, Calif., assignor to Ethel M. Vernon, San Francisco, Calif.
Application June 13, 1944, Serial No. 113,980
Term of patent 3½ years
(Cl. D34—15)



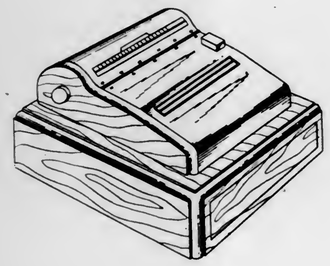
The ornamental design for an animal toy, substantially as shown.

141,984
DESIGN FOR A VANITY CASE
Robert T. Plate, Grosse Pointe Park, Mich.
Application February 7, 1945, Serial No. 117,805
Term of patent 14 years
(Cl. D86—10)



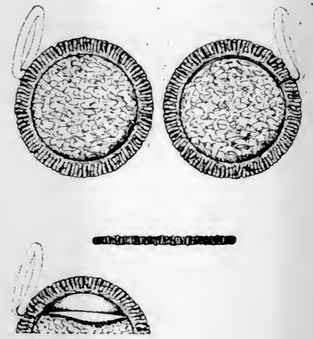
The ornamental design for a vanity case, substantially as shown.

141,985
DESIGN FOR A SALES METER
Charles F. Ramsay, Toronto, Ontario, Canada
Application July 7, 1944, Serial No. 114,337
Term of patent 14 years
(Cl. D52—2)



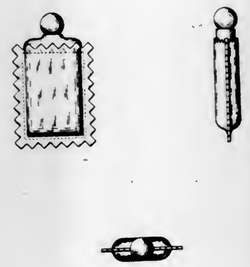
The ornamental design for a sales meter, as shown and described.

141,986
DESIGN FOR A HANDBAG
Herbert Rubin, Chicago, Ill.
Application January 1, 1945, Serial No. 117,205
Term of patent 7 years
(Cl. D87—3)



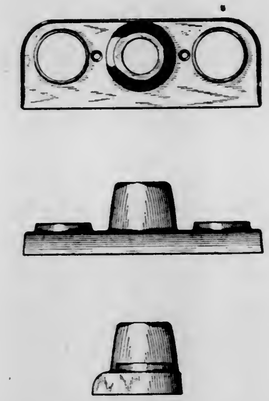
The ornamental design for a handbag, substantially as shown.

141,987
DESIGN FOR A COMBINED PERFUME BOTTLE AND COVER
Janina Silston, New York, N. Y.
Application April 18, 1945, Serial No. 119,075
Term of patent 7 years
(Cl. D58—6)



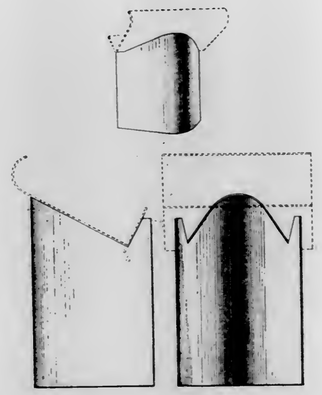
The ornamental design for a combined perfume bottle and cover, as shown.

141,988
DESIGN FOR A COVER PLATE FOR A SINK AND LAUNDRY TUB SUPPLY FITTING OR THE LIKE
Roy H. Zinkil, Oak Park, Ill., and Henry Dreyfuss, New York, N. Y., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 26, 1945, Serial No. 119,242
Term of patent 14 years
(Cl. D91—3)



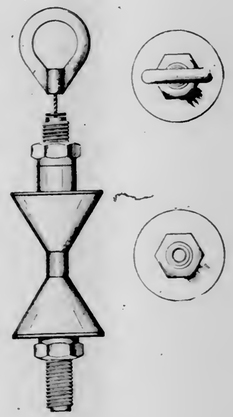
The ornamental design for a cover plate for a sink and laundry tub supply fitting or the like, substantially as shown.

141,989
DESIGN FOR A COLLAPSIBLE MUSIC STAND
Willie Berg, Chicago, Ill.
Application May 22, 1945, Serial No. 119,671
Term of patent 14 years
(Cl. D33—10)



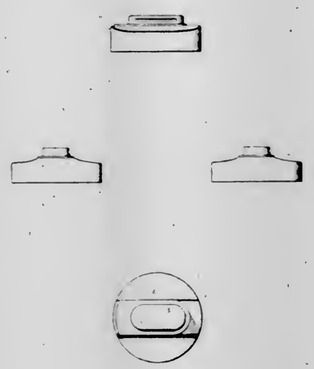
The ornamental design for a collapsible music stand, as shown and described.

141,990
DESIGN FOR A WHEEL BALANCING DEVICE
Arthur N. Butler, Oakland, Calif., assignor to Speedmaster Limited, Alameda County, Calif., a copartnership composed of Jay Graves and Arthur N. Butler
Application April 30, 1945, Serial No. 119,323
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a wheel balancing device, substantially as shown.

141,991
DESIGN FOR A CAN TOP
John Coyle and William F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 21, 1945, Serial No. 118,614
Term of patent 14 years
(Cl. D58—26)



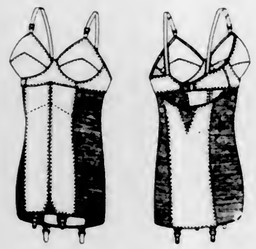
The ornamental design for a can top, substantially as shown.

141,992
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Brice L. Jackson, East Orange, N. J.
Application March 14, 1945, Serial No. 118,478
Term of patent 14 years
(Cl. D85—2)



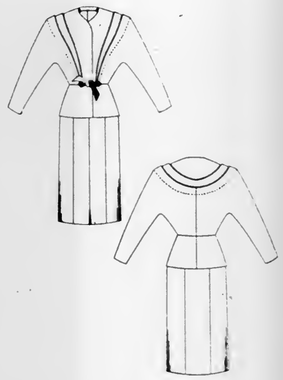
The ornamental design for an ash tray or similar article, as shown.

141,993
DESIGN FOR A COMBINED GIRDLE AND BRASSIERE
Mollie Kleinitz, New York, N. Y.
Application May 4, 1945, Serial No. 119,396
Term of patent 7 years
(Cl. D20—2)



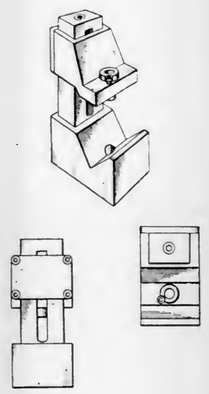
The ornamental design for a combined girdle and brassière, substantially as shown.

141,994
DESIGN FOR A SUIT
Molly Levy, New York, N. Y.
Application June 2, 1945, Serial No. 119,853
Term of patent 3½ years
(Cl. D3—4)



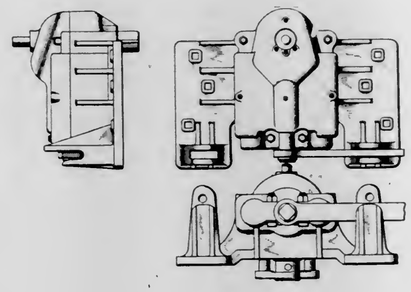
The ornamental design for a suit, substantially as shown.

141,995
DESIGN FOR A DRILL JIG
Frank McCullough, Detroit, Mich.
Application October 19, 1944, Serial No. 115,871
Term of patent 14 years
(Cl. D54—4)



The ornamental design for a drill jig, substantially as shown.

141,996
DESIGN FOR A HUB SWITCH STAND
Charles H. Nordberg, Chicago, Ill., assignor to Pettibone Mulliken Corporation, Chicago, Ill., a corporation of Illinois
Application November 25, 1944, Serial No. 116,553
Term of patent 14 years
(Cl. D66—3)



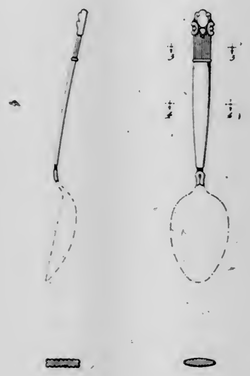
The ornamental design for a hub switch stand, as shown.

141,997
DESIGN FOR A SHIELD
Holger Pedersen, New York, N. Y.
Application March 22, 1945, Serial No. 118,631
Term of patent 7 years
(Cl. D29—2)



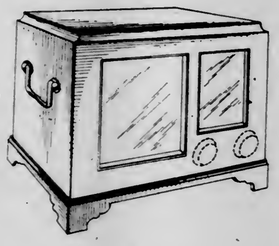
The ornamental design for a shield, as shown and described.

141,998
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF FLATWARE
Shirley Summon, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application May 3, 1945, Serial No. 119,377
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of flatware, as shown.

141,999
DESIGN FOR A RADIO RECEIVER CABINET
Horace Terrell, New York, N. Y., assignor to Espey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1944, Serial No. 116,877
Term of patent 3½ years
(Cl. D56—4)



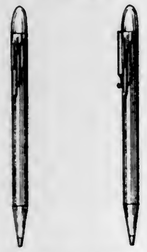
The ornamental design for a radio receiver cabinet, as shown and described.

142,000
DESIGN FOR A FOUNTAIN PEN
Maurice J. Waldinger, Flushing, N. Y.
Application November 25, 1944, Serial No. 116,559
Term of patent 14 years
(Cl. D74—17)



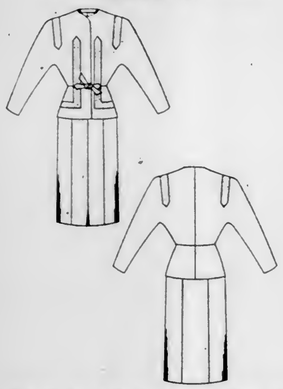
The ornamental design for a fountain pen, substantially as shown.

142,001
DESIGN FOR A MECHANICAL PENCIL
Maurice J. Waldinger, Flushing, N. Y.
Application November 25, 1944, Serial No. 116,560
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a mechanical pencil, substantially as shown.

142,002
DESIGN FOR A SUIT
Molly Levy, New York, N. Y.
Application June 2, 1945, Serial No. 119,851
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

142,003
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
Charlene Champness, Toronto, Ontario, Canada
Application October 5, 1944, Serial No. 115,635
Term of patent 14 years
(Cl. D29—23)



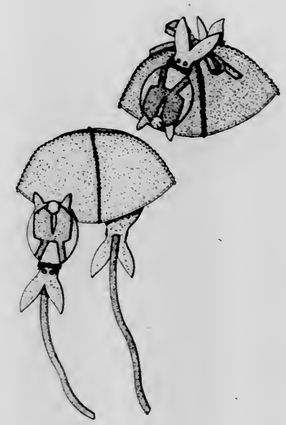
The ornamental design for a figurine or similar article, as shown.

142,004
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 8, 1945, Serial No. 119,976
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

142,005
DESIGN FOR A HAT
John C. Marks, New York, N. Y.
Application May 30, 1945, Serial No. 119,814
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown and described.

142,006
DESIGN FOR A HAT
John C. Marks, New York, N. Y.
Application May 30, 1945, Serial No. 119,815
Term of patent 3½ years
(Cl. D3—13)



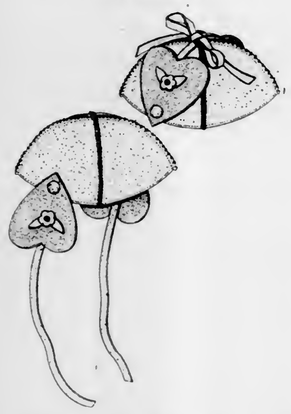
The ornamental design for a hat, substantially as shown and described.

142,007
DESIGN FOR A HAT
John C. Marks, New York, N. Y.
Application May 30, 1945, Serial No. 119,816
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown and described.

142,008
DESIGN FOR A HAT
John C. Marks, New York, N. Y.
Application May 30, 1945, Serial No. 119,817
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abeles Shirt Company, New York, N. Y. Men's and boys' dress and sport shirts. Serial No. 482,233; Aug. 7. Class 39.

Adel Precision Products Corp., Burbank, Calif. Hydraulic unitary control apparatus. Serial No. 465,727; Aug. 7. Class 23.

Aisenstein, Louis, & Bros., New York, N. Y. Glass picture frames. Serial No. 483,805; Aug. 7. Class 32.

All-Best Specialties Corp., New York, N. Y. Nursing bottle holders. Serial No. 481,169; Aug. 7. Class 44.

Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Chemical compound. Serial No. 482,517; Aug. 7. Class 6.

American Stationery Products, Chicago, Ill. Looseleaf binders and loose leaf binder inserts. Serial No. 480,812; Aug. 7. Class 37.

American Varnish Company, The, Chicago, Ill. Paints. Serial No. 481,512; Aug. 7. Class 16.

Anderson, Belle, Chicago, Ill. Stickers made of paper, place cards, paper napkins, etc. Serial No. 470,132; Aug. 7. Class 37.

Andrew Jergens Company, The, Cincinnati, Ohio. Make-up cream. Serial No. 478,228; Aug. 7. Class 6.

Apollo Shirt Company, New York, N. Y. Dress shirts, sport shirts, blouses, etc. Serial No. 481,769; Aug. 7. Class 39.

Arco Company, The, Cleveland, Ohio. Ready mixed paint. Serial No. 481,828; Aug. 7. Class 16.

Ashland Pharmacy, The: *See*—
Rudd, Cicero.

Baker Clothes, Philadelphia, Pa. Men's suits, sport coats and trousers. Serial No. 478,739; Aug. 7. Class 39.

Banite, Inc., Buffalo, N. Y. Cleaner. Serial No. 482,086; Aug. 7. Class 4.

Barber Asphalt Corporation, Barber, N. J. Gasoline. Serial No. 483,954; Aug. 7. Class 15.

Berming Products Corp., New York, N. Y. Pyrophoric cigarette lighters. Serial No. 484,509; Aug. 7. Class 34.

Bischoff, Ernst, Company, Incorporated, Ivoryton, Conn. Preparation in suppository form. Serial No. 479,549; Aug. 7. Class 6.

Blue Ridge Overalls Company, Baltimore, Md. Overalls. Serial No. 482,519; Aug. 7. Class 39.

Bohemian Distributing Company, doing business as International Products Co., Los Angeles, Calif. Wines. Serial No. 479,062; Aug. 7. Class 47.

Bradley & Mellin, Minneapolis, Minn. Game of sport employing balls and ball catching paddles. Serial No. 471,997; Aug. 7. Class 22.

Briese, William F., Jr., doing business as Split Second Games, Steubenville, Ohio. Baseball game. Serial No. 473,361; Aug. 7. Class 22.

Briske, Louis J., Jr., doing business as Briskraft Novelty Company, Menasha, Wis. Toy animals. Serial No. 484,556; Aug. 7. Class 22.

Briskraft Novelty Company: *See*—
Briske, Louis J., Jr.

Bunton, Katherine F., doing business as The K. B. B. Laboratories, Manchester, N. H. Compound for the treatment of asthma. Serial No. 481,133; Aug. 7. Class 6.

Burnette, C. A., Macon, Ga. Salve. Serial No. 481,774; Aug. 7. Class 6.

C-Z Chemical Company, Beloit, Wis. Liquid glass cleaner. Serial No. 479,772; Aug. 7. Class 4.

Carsello Chemical Products, Chicago, Ill. Liquid wax. Serial No. 474,227; Aug. 7. Class 16.

Chemotek Manufacturing Company, Houston, Tex. Lubricating and sealing grease. Serial No. 479,028; Aug. 7. Class 15.

Cohn, David, doing business as Main Street Trading Company, New York, N. Y. Handbags, wallets, key cases, etc. Serial No. 480,856; Aug. 7. Class 3.

Cohn, David, doing business as Main Street Trading Company, New York, N. Y. Lipstick, rouge, deodorant, etc. Serial No. 480,857; Aug. 7. Class 6.

Continental Products, Inc., Chicago, Ill. Pneumatic tire tubes. Serial No. 482,868; Aug. 7. Class 35.

Cosmos Dental Products, Inc., New York, N. Y. Colloid duplicating compound. Serial No. 482,980; Aug. 7. Class 44.

Croda Limited, Goole, England. Composition of solid alcohols and sterols prepared from wool grease. Serial No. 462,069; Aug. 7. Class 6.

Danbury Novelty Co., Danbury, Conn. Children's and infants' playsuits, wash suits, snowsuits, etc. Serial No. 482,524; Aug. 7. Class 39.

Diversey Corporation, The, Chicago, Ill. Compound for sterilizing and treating water. Serial No. 469,386; Aug. 7. Class 6.

Dritz, Arthur, doing business as Vitaplay Toy Co., New York, N. Y. Educational toys and games. Serial No. 483,962; Aug. 7. Class 22.

E & G Avocado Company: *See*—
Wassinger, Glenn.

E. & G. Avocado Co.: *See*—
Wassinger, Glenn A.

Farrar, Cecil W., New York, N. Y. Column in a periodical publication. Serial No. 482,621; Aug. 7. Class 38.

Fean, William, doing business as Wm. Fean Products Co., Columbus, Ohio. Substitute for lemon juice. Serial No. 475,388; Aug. 7. Class 45.

Fean, Wm., Products Co.: *See*—
Fean, William.

Fibre Conduit Company, The, Orangesburg, N. Y. Couplings for low pressure water pipe, sewer pipe, and drain pipe. Serial No. 471,521; Aug. 7. Class 12.

Firestone Tire & Rubber Company, The, Akron, Ohio. Natural and synthetic rubber adhesive compositions. Serial No. 484,201; Aug. 7. Class 5.

Futter, Carl A., doing business as the Kenwood Laboratory, Chicago, Ill. Hop concentrate in the form of liquid or powder. Serial No. 470,455; Aug. 7. Class 48.

Galter Manufacturing Company, Chicago, Ill. Pyrophoric cigar lighters. Serial Nos. 484,398–400; Aug. 7. Class 34.

Gamlen Chemical Company, San Francisco, Calif., and Pittsburgh, Pa. Soap. Serial No. 464,266; Aug. 7. Class 4.

Gibbs & Company, Chicago, Ill. Facial make-up, lipstick, lip rouge, etc. Serial No. 468,604; Aug. 7. Class 6.

Globetrotter, Inc., The, Chicago, Ill. Coasters. Serial No. 477,652; Aug. 7. Class 2.

Hechler, Erie, New York, N. Y. Hearing aid devices and parts thereof. Serial No. 483,820; Aug. 7. Class 44.

Heribert, Herbert J., New York, N. Y. Plastic composition. Serial No. 481,788; Aug. 7. Class 1.

Heribert, Herbert J., New York, N. Y. Plastic composition. Serial No. 481,992; Aug. 7. Class 1.

Hi-Score Co.: *See*—
King Kone Corporation.

Hollywood Casuals, Los Angeles, Calif. Women's playclothes. Serial No. 479,712; Aug. 7. Class 39.

Horowitz & Son, Inc., New York, N. Y. Watches. Serial No. 476,102; Aug. 7. Class 27.

Hudnut, Richard, New York, N. Y. Talcum powder, deodorant, cleansing cream and skin freshener. Serial No. 473,700; Aug. 7. Class 6.

Imperial Chemical Industries, Limited, London, England. Chemical cellulosic substances. Serial No. 462,882; Aug. 7. Class 6.

Industrial Synthetics Corporation, Irvington, N. J. Rods, tubes and partly prepared articles. Serial No. 471,308; Aug. 7. Class 1.

International Products Co.: *See*—
Bohemian Distributing Company.

International Pulverizing Corporation, Moorestown, N. J. Calomel and sulfathiazole medicaments. Serial No. 476,515; Aug. 7. Class 6.

Jacobs, A. H., Manufacturing Co., Inc., Danielson, Conn. Loom supplies. Serial No. 472,424; Aug. 7. Class 23.

Joseph, Irving N., Chicago, Ill. Shoes, slippers, and boots. Serial No. 479,130; Aug. 7. Class 39.

K. B. B. Laboratories, The: *See*—
Bunton, Katherine F.

Kassel, Dorothy, doing business as Dotty Kassel, Fort Worth, Tex. Publication issued periodically. Serial No. 482,330; Aug. 7. Class 38.

Kendall Company, The, Walpole, Mass. Roll holder and cutter. Serial No. 473,102; Aug. 7. Class 23.

Kenwood Laboratory: *See*—
Futter, Carl A.

Keystone Lubricating Company, Philadelphia, Pa. Lubricating oils. Serial No. 482,331; Aug. 7. Class 15.

King Kone Corporation, New York, N. Y. French fried popcorn, cheese flavored popcorn, and caramel flavored popcorn. Serial No. 471,190; Aug. 7. Class 46.

King Kone Corporation, doing business as Hi-Score Co., New York, N. Y. Raw popcorn. Serial No. 484,174; Aug. 7. Class 46.

Kohnstamm, H., & Co., Inc., New York, N. Y. Bluing. Serial No. 480,664; Aug. 7. Class 6.

Lady Harriet Brands Company, Detroit, Mich. Non-alcoholic flavoring extracts for alcoholic liquors. Serial No. 483,859; Aug. 7. Class 49.

La Floreal Parfum Sales Company: *See*—
Simon, Harry A.

Lakeside Laboratories, Inc., Milwaukee, Wis. Tablets containing liver, iron and copper, and crystalline B vitamins. Serial No. 480,334; Aug. 7. Class 6.

Lanair Chemical Corporation, Chicago, Ill. Oil sludge emulsifier. Serial No. 479,390; Aug. 7. Class 15.

Latrobe Electric Steel Company, Latrobe, Pa. Steel bars, billets and forgings. Serial No. 482,106; Aug. 7. Class 14.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soap. Serial No. 482,163; Aug. 7. Class 4.
Llewellyn Biological Institute, The, Los Angeles, Calif. Testicular and prostatic extract. Serial No. 476,069; Aug. 7. Class 6.
Llewellyn Biological Institute, The, Los Angeles, Calif. Ovarian, testicular, and prostatic extract. Serial No. 476,070; Aug. 7. Class 6.
M. L. J. Magazines, New York, N. Y., and St. Louis, Mo. Magazine issued quarterly. Serial No. 481,851; Aug. 7. Class 38.
Main Street Trading Company: *See*—
Cohn, David.
Mariano Beauty Salon, The, New York, N. Y. Hair pomade and scalp ointment. Serial No. 482,683; Aug. 7. Class 6.
Marte Preparations, Chicago, Ill. Face powder, face creams, face lotions, etc. Serial No. 478,636; Aug. 7. Class 6.
Maxson, W. L., Corporation, The, New York, N. Y. Storage cabinets. Serial No. 482,692; Aug. 7. Class 32.
McKinstry, Joseph E., Los Angeles, Calif. Worms for fishing bait. Serial No. 482,806; Aug. 7. Class 22.
McKinstry, Joseph E., Los Angeles, Calif. Worms for fishing bait. Serial No. 483,186; Aug. 7. Class 22.
Mellos, Athanasios K., doing business as Mellos Peanut Co., Los Angeles, Calif. Popcorn in its natural state. Serial No. 473,071; Aug. 7. Class 46.
Mellos Peanut Co.: *See*—
Mellos, Athanasios K.
Midland Grocery Company, The, Columbus, Ohio. Canned Bartlett pears, canned pineapple, canned apricots, etc. Serial No. 453,311; Aug. 7. Class 46.
Moers Mills Inc., Nashville, Tenn. Anklets or bobby socks. Serial No. 484,578; Aug. 7. Class 39.
National Garment Company, St. Louis, Mo. Sport shirts, sport jackets, slacks, etc. Serial No. 460,098; Aug. 7. Class 39.
New York Knitting Mills, Inc., New York, N. Y. Knitted sweaters, knitted skirts, ladies' knitted dresses and suits. Serial No. 482,543; Aug. 7. Class 39.
Norwich Pharmacal Company, The, Norwich, N. Y. Vaginal preparation. Serial No. 483,440; Aug. 7. Class 6.
Oakes & Co., doing business as Tru-Test, Chicago, Ill. Electric refrigerators, deep freeze food storage cabinets, ice boxes, etc. Serial No. 480,617; Aug. 7. Class 31.
Olmstead, Horatio C., doing business as Olmy's Chevy Chase Candies, Washington, D. C. Candy. Serial No. 477,855; Aug. 7. Class 46.
Olmy's Chevy Chase Candies: *See*—
Olmstead, Horatio C.
Orchard Yarn and Thread Company, New York, N. Y. Crochet and knitting cotton, knitting worsted, and rayon yarns. Serial No. 481,956; Aug. 7. Class 43.
Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes used as machine accessories, wire brushes, rotary brushes, etc. Serial No. 480,424; Aug. 7. Class 23.
Overbrook Company, Inc., The, Baltimore, Md. Liqueur. Serial No. 483,232; Aug. 7. Class 49.
Owenswood Products Co.: *See*—
Woodruff, Owen E.
P. H. D. Laboratory, Inc., New Orleans, La. Vitamin B-complex preparation. Serial No. 481,291; Aug. 7. Class 6.
Parfait, Incorporated, Chicago, Ill. Soap. Serial No. 481,903; Aug. 7. Class 4.
Parfums Charbert, Inc., New York, N. Y. Gentlemen's toiletries. Serial No. 481,957; Aug. 7. Class 6.
Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.
Plaimar Limited, West Perth, Australia. Essential oils. Serial No. 476,781; Aug. 7. Class 6.
Pollak, Henry, Inc., New York, N. Y. Hat bodies and hats for women and children. Serial No. 479,951; Aug. 7. Class 39.
R. S. V. P. Inc., New York, N. Y. Letter writing paper, envelopes, and mailing devices. Serial No. 482,950; Aug. 7. Class 37.
Redwood Fiber Products Company, Inc., Santa Cruz, Calif. Redwood fiber. Serial No. 462,321; Aug. 7. Class 1.
Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation. Serial No. 475,512; Aug. 7. Class 6.
Rexon Inc., New York, N. Y. Mouth organs, harmonicas, music boxes, etc. Serial No. 470,636; Aug. 7. Class 36.
Rexon Inc., New York, N. Y. Mouth organs, harmonicas, music boxes, etc. Serial No. 470,640; Aug. 7. Class 36.
Rockwood & Co., Brooklyn, N. Y. Cocoa. Serial No. 470,349; Aug. 7. Class 46.
Rourke, Robert U., Pomfret, Conn. Wooden parts of furniture. Serial No. 476,788; Aug. 7. Class 32.
Rudd, Cicero, doing business as The Ashland Pharmacy, Ashland, Ala. Non-toxic liquid healing agent. Serial No. 477,954; Aug. 7. Class 6.
Scheidt, Adam, Brewing Company, Norristown, Pa. Beer. Serial No. 481,438; Aug. 7. Class 48.
Schiller-Dubrow, New York, N. Y. Housecoats, pajamas, nightgowns, etc. Serial No. 482,017; Aug. 7. Class 39.
Simon, Harry A., doing business as La Floreal Parfum Sales Company, Hollywood, Calif. Perfumes and colognes. Serial No. 482,652; Aug. 7. Class 6.
Split Second Games: *See*—
Briese, William F., Jr.
Steel Warehousing Corporation, Chicago, Ill. Structural steel bars and steel plates. Serial No. 477,900; Aug. 7. Class 12.
Testagar & Co., Inc., Detroit, Mich. Vitamin products. Serial No. 477,901; Aug. 7. Class 6.
Testagar & Co., Inc., Detroit, Mich. Medicinal preparation. Serial No. 477,902; Aug. 7. Class 6.
Tru-Test: *See*—
Oakes & Co.
Tucker General Sales Agency, Seattle, Wash. Bacterial inhibitor in powdered form. Serial No. 481,035; Aug. 7. Class 6.
Turco Products, Inc., Los Angeles, Calif. Chemical preparations. Serial No. 471,501; Aug. 7. Class 6.
United-Carr Fastener Corporation, Cambridge, Mass. Stamped sheets and metal fasteners. Serial No. 478,301; Aug. 7. Class 13.
United States Time Corporation, The, Waterbury, Conn. Clocks and watches. Serial No. 477,169; Aug. 7. Class 27.
Vitaplay Toy Co.: *See*—
Dritz, Arthur.
Vulcan Radiator Company, The, Hartford, Conn. Heating radiator units. Serial No. 483,098; Aug. 7. Class 34.
Wassinger, Glenn, doing business as E & G Avocado Company. Fresh avocados. Serial No. 484,152; Aug. 7. Class 46.
Wassinger, Glenn Arthur, doing business as E. & G. Avocado Co., Los Angeles, Calif. Fresh avocados, fresh citrus fruits, deciduous fruits, etc. Serial No. 481,594; Aug. 7. Class 46.
Wausau Brewing Company, Wausau, Wis. Beer. Serial No. 467,327; Aug. 7. Class 48.
Weathercraft Company, New York, N. Y. Raincoats for women and girls. Serial No. 478,527; Aug. 7. Class 39.
Wellington Sears Company, Incorporated, New York, N. Y. Cotton twill piece goods. Serial No. 481,968; Aug. 7. Class 42.
Welta Watch Co., Ltd., Bienne, Switzerland. Watches. Serial No. 480,362; Aug. 7. Class 27.
Westerfield Pharmacal Co. Inc., Dayton, Ohio. Vitamin B complex pharmaceutical preparation. Serial No. 481,505; Aug. 7. Class 6.
Wickwire Spencer Steel Company, New York, N. Y. Tungsten carbide dies and carbide tools. Serial No. 479,607; Aug. 7. Class 23.
Wile, Oscar J., & Company, New York, N. Y. Port wine. Serial No. 473,080; Aug. 7. Class 47.
Wilets, Mrs. E.: *See*—
Wilets, Sophie.
Wilets, Sophie, doing business under the name Mrs. E. Wilets, Burlington, Wis. Face cream. Serial No. 472,384; Aug. 7. Class 6.
Wilmington Hosiery Mills, Inc., Wilmington, Del. Hosiery. Serial No. 482,561; Aug. 7. Class 39.
Wise, William H., & Co. Inc., New York, N. Y. Series of books. Serial No. 481,168; Aug. 7. Class 38.
Witkowska, Ethel D., Washington, D. C. Purse liners. Serial No. 483,356; Aug. 7. Class 3.
Woodruff, Owen E., doing business under the name of Owenswood Products Co., Buffalo, N. Y. Throat pastilles. Serial No. 479,609; Aug. 7. Class 6.
Woods, Harold R., Los Angeles, Calif. Soap. Serial No. 481,301; Aug. 7. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Abshire, Arnold A., doing business as Old Fashioned Herb Co., Alhambra, Calif. Digestive tea. 415,434; Aug. 7; Serial No. 480,096; published May 8, 1945. Class 6.
Abshire, Arnold A., doing business as Old Fashioned Herb Co., Alhambra, Calif. Digestive wafer. 415,433; Aug. 7; Serial No. 480,097; published May 15, 1945. Class 6.
Adel Precision Products Corp., Burbank, Calif. Conduit supporting blocks and conduit supporting clips. 415,504; Aug. 7; Serial No. 473,759; published May 22, 1945. Class 13.
Advance Stove Works, Evansville, Ind. Wood and coal cooking and heating stoves, combination coal and gas ranges, and gas ranges. 204,632; renewed Oct. 20, 1945. O. G. Aug. 7. Class 34.
Aero-Crafts Corporation, Los Angeles, Calif. Electronic high-frequency heat generators. 415,496; Aug. 7; Serial No. 471,176; published May 22, 1945. Class 21.
Alaska Salmon Company, San Francisco, Calif., by change of name to Bristol Bay Packing Company, Seattle, Wash. Canned salmon. 200,972; renewed July 14, 1945. O. G. Aug. 7. Class 46.

Alexander, Jane, Valley Stream, N. Y. Handbags, wallets, portfolios. 415,572; Aug. 7; Serial No. 481,684; published May 22, 1945. Class 3.
Alexander, Jane, Valley Stream, N. Y. Dolls, dolls' clothes, board games, etc. 415,573; Aug. 7; Serial No. 481,685; published May 22, 1945. Class 22.
Alien Property Custodian: *See*—
Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft.
All-Church Press, Fort Worth, Tex. Weekly newspapers. 197,212; renewed Apr. 14, 1945. O. G. Aug. 7. Class 38.
Alperin, M., & Sons, Inc., Memphis, Tenn. Hosiery and underwear. 204,169; renewed Oct. 13, 1945. O. G. Aug. 7. Class 39.
Alpine Vineyards: *See*—
Alpine Winery.
Alpine Winery, also doing business as Alpine Vineyards, Healdsburg, Calif. Wines. 415,502; Aug. 7; Serial No. 473,170; published Nov. 7, 1944. Class 47.
Amberg File and Index Company, Kankakee, Ill. File folders and expanding filing pockets and filing wallets. 415,306; Aug. 7; Serial No. 467,742; published May 15, 1945. Class 37.
American Agriculturist, Inc.: *See*—
Orange Judd Company, assignor.
American Brake Shoe Company: *See*—
American Brake Shoe & Foundry Company, The.
American Brake Shoe & Foundry Company, The, Wilmington, Del., and New York, by change of name to American Brake Shoe Company, New York, N. Y. Brake shoes. 204,106; renewed Oct. 6, 1945. O. G. Aug. 7. Class 19.
American Cable Company, Inc., Wilmington, Del., and New York, N. Y., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope. 200,586; renewed July 7, 1945. O. G. Aug. 7. Class 7.
American Cable Company, Inc., Wilmington, Del., and New York, N. Y., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Attachments and fittings for wire rope. 202,043; renewed Aug. 11, 1945. O. G. Aug. 7. Class 13.
American Chain & Cable Company, Inc.: *See*—
American Cable Company, Inc., assignor.
American Emery Wheel Works, Providence, R. I. Abrasive grains and grinding wheels. 204,321; renewed Oct. 13, 1945. O. G. Aug. 7. Class 4.
American Home Products Corporation, New York, N. Y. Multiple vitamins in dosage form. 415,334; Aug. 7; Serial No. 475,180; published May 15, 1945. Class 6.
American Steel and Wire Company of New Jersey, The: *See*—
Pearson, J. C., Co., assignor.
Angelus Laboratories: *See*—
Brunswig Drug Company.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Adhesive plasters and bandages. 415,452; Aug. 7; Serial No. 481,349; published May 15, 1945. Class 44.
Argus, Incorporated, Ann Arbor, Mich. Photographic lenses and lens assemblies. 415,570; Aug. 7; Serial No. 481,398; published May 22, 1945. Class 26.
Arrow Laboratories Inc., New York, N. Y. Perfumes and toilet water. 415,409; Aug. 7; Serial No. 479,547; published May 15, 1945. Class 6.
Associated Merchandising Corporation, assignor to Associated Merchandising Corporation, New York, N. Y. Men's shoes. 203,193; renewed Sept. 15, 1945. O. G. Aug. 7. Class 39.
Associated Merchandising Corporation, assignor to Associated Merchandising Corporation, New York, N. Y. Women's hats. 204,459; renewed Oct. 20, 1945. O. G. Aug. 7. Class 39.
Atlantic Spice Company, The: *See*—
Bird, John, Company.
Authorite Corporation, Boston, Mass. Machinery 415,345; Aug. 7; Serial No. 476,898; published May 15, 1945. Class 23.
Automatic Equipment Manufacturing Co., Pender, Nebr. Medicated dip oil. 415,471; Aug. 7. Class 6.
Automotive Utilities Co., Newark, N. J. Oil filter cartridges. 415,448; Aug. 7; Serial No. 480,975; published May 15, 1945. Class 31.
Babbitt, B. T., Inc.: *See*—
Mendleson, A., & Sons, assignor.
Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Electric welded tubing. 415,310; Aug. 7; Serial No. 470,133; published May 8, 1945. Class 13.
Bachman, Aurelia, New York, N. Y. Charms, bracelets, rings, etc. 415,534; Aug. 7; Serial No. 478,848; published May 22, 1945. Class 28.
Baker Clothes, Philadelphia, Pa. Men's and women's suits, sport coats, and slacks. 415,346; Aug. 7; Serial No. 477,050; published May 8, 1945. Class 39.
Beachurst Hats, Inc., New York, N. Y. Ladies' hats. 315,376; Aug. 7; Serial No. 478,607; published May 15, 1945. Class 39.
Bee Textile Company, New York, N. Y. Knitted fabrics in the piece. 415,406; Aug. 7; Serial No. 479,372; published May 8, 1945. Class 42.
Bendel, Henri, Inc., New York, N. Y. Lipstick and rouge. 415,401; Aug. 7; Serial No. 479,106; published May 8, 1945. Class 6.
Benet Drug Corporation, The, Cincinnati, Ohio. Preparation applied to the skin and the scalp. 415,479; Aug. 7. Class 6.
Benner, Wm. R.: *See*—
Crary, C. S., Company, assignor.
Big "G" Farms: *See*—
Gertmenian's Produce.
Bilhuber, E., Inc., Orange, N. J. Chemical compound useful as a vasaconstrictor. 415,440–1; Aug. 7; Serial Nos. 480,436–7; published May 15, 1945. Class 6.
Bird, John, Company, doing business as The Atlantic Spice Company, Rockland, Maine. Cream of tartar, saleratus, soda, etc. 201,659; renewed Aug. 4, 1945. O. G. Aug. 7. Class 6.
Bisset, John, & Co. Limited, Leith, Edinburgh, Scotland. Scotch whiskey. 415,532; Aug. 7; Serial No. 478,678; published May 22, 1945. Class 49.
Blackett-Sample-Hummert, Chicago, Ill. Radio script. 415,494; Aug. 7; Serial No. 468,692; published May 22, 1945. Class 38.
Blair of Virginia: *See*—
Morton Manufacturing Corporation.
Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Door handles. 415,338; Aug. 7; Serial No. 475,718; published May 8, 1945. Class 13.
Blumstein, Abraham, New York, N. Y. Watches and watch movements therefor. 415,555; Aug. 7; Serial No. 480,043; published May 22, 1945. Class 27.
Bohemian Distributing Company, Los Angeles, Calif. Nonalcoholic, maltless beverages, and sirups for making the same. 202,437; renewed Aug. 25, 1945. O. G. Aug. 7. Class 45.
Bone, William H., doing business as Crown Products Co., Douglas, Ga. Hydraulic brake fluid. 415,468; Aug. 7. Class 6.
Bougie, Lucien, doing business as Lucien Bougie Shoe Mfg., Montreal, Quebec, Canada. Babies' and young children's shoes. 415,311; Aug. 7; Serial No. 470,456; published May 8, 1945. Class 39.
Bougie, Lucien, Shoe Mfg.: *See*—
Bougie, Lucien.
Boyd, M. B., Co.: *See*—
Boyd, Maud B.
Boyd, Maud B., doing business under the name of M. B. Boyd Co., Oklahoma City, Okla. Ointment in the nature of a counter-irritant. 415,291; Aug. 7; Serial No. 460,789; published May 9, 1944. Class 6.
Brannon, Clifton W., doing business as Whosoever Heareth, Toccoa, Ga. Periodical publication. 415,511; Aug. 7; Serial No. 475,602; published May 1, 1945. Class 38.
Breitenbach, M. J., Co., New York, N. Y. Liquid preparation of peptonates of iron and manganese. 415,322; Aug. 7; Serial No. 473,497; published May 8, 1945. Class 6.
Brian Fabrics Corp., New York, N. Y. Scarves and fascinators. 415,340; Aug. 7; Serial No. 476,094; published May 1, 1945. Class 39.
Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Steel wool. 200,774; renewed July 7, 1945. O. G. Aug. 7. Class 4.
Bristol Bay Packing Company: *See*—
Alaska Salmon Company.
Bristol Bay Packing Company, San Francisco, Calif., by change of name to Bristol Bay Packing Company, Seattle, Wash. Canned salmon. 200,975; renewed July 14, 1945. O. G. Aug. 7. Class 46.
Bristol Bay Packing Company, San Francisco, Calif., by change of name to Bristol Bay Packing Company, Seattle, Wash. Canned salmon. 200,982; renewed July 14, 1945. O. G. Aug. 7. Class 46.
British Drug Houses, Limited, and Hopkin & Williams, Limited, The, London, England. Chemical substances. 415,383; Aug. 7; Serial No. 478,780; published May 15, 1945. Class 6.
Bromley-Shepard Company, Inc., Lowell, Mass. Cummerbunds. 415,364; Aug. 7; Serial No. 478,207; published May 15, 1945. Class 39.
Brunswig Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Gargle. 415,343; Aug. 7; Serial No. 476,657; published May 8, 1945. Class 6.
Buckeye Paint & Varnish Company, The, Toledo, Ohio. Paste paint. 203,418; renewed Sept. 15, 1945. O. G. Aug. 7. Class 16.
Budd Wheel Company, Philadelphia, Pa. Brake control devices. 415,487; Aug. 7; Serial No. 456,998; published May 22, 1945. Class 19.
Burkaw Electric Co., New York, N. Y. Clothes washing machines. 415,367; Aug. 7; Serial No. 478,307; published May 8, 1945. Class 24.
Butler Manufacturing Company, Kansas City, Mo. Oil storage tanks, stock water storage tanks, and grain bins. 415,478; Aug. 7. Class 2.
Cable Company, The, Chicago, Ill., assignor to Schiller-Cable Piano Manufacturing Company, Bronx, N. Y. Pianos. 45,635; re-renewed Aug. 22, 1945. O. G. Aug. 7. Class 36.
California Vegetable Union, to Jones & Kavanagh Co., Ltd., Los Angeles, Calif. Fresh vegetables, fresh deciduous fruits, fresh melons, etc. 194,269; renewed Jan. 20, 1945. O. G. Aug. 7. Class 46.

Camden Furniture Company, Camden, Ark. Household furniture. 415,582–3; Aug. 7. Class 32.
Caro & Co., Inc., New York, N. Y. Ladies' kimonos, house dresses, house aprons, etc. 204,257; renewed Oct. 13, 1945. O. G. Aug. 7. Class 39.
Cashin, W. D., Co., Boston, Mass. Traps, valves, low pressure automatic boiler feeders, etc. 204,223; renewed Oct. 13, 1945. O. G. Aug. 7. Class 15.
Castyrone Manufacturing Corp., New York, N. Y. Brazing compound. 415,352; Aug. 7; Serial No. 477,257; published May 8, 1945. Class 6.
Caterpillar Tractor Co.: *See*—
Russell Grader Manufacturing Company, assignor.
Central Chemical Corporation of Maryland, Hagerstown, Md. Chemicals and insecticides. 415,402; Aug. 7; Serial No. 479,109; published May 15, 1945. Class 6.
Central Radio Laboratories, assignor to Globe-Union Inc., Milwaukee, Wis. Radio signaling apparatus and parts thereof. 204,006; renewed Oct. 6, 1945. O. G. Aug. 7. Class 21.
Central Soya Company, Fort Wayne, Ind. Toasted soy grits. 415,461; Aug. 7. Class 46.
Certain-teed Products Corporation, New York, N. Y. Mixed paints, varnishes, floor waxes, etc. 198,327; renewed May 12, 1945. O. G. Aug. 7. Class 16.
Certain-teed Products Corporation, New York, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Linoleum cement. 198,779; renewed May 26, 1945. O. G. Aug. 7. Class 5.
Champion Chemical Works, Chicago, Ill., assignor to Champion Chemical Works, Incorporated, New York, N. Y. Lye and potash. 45,040; re-renewed Aug. 1, 1945. O. G. Aug. 7. Class 6.
Champion Chemical Works, Chicago, Ill., assignor to Champion Chemical Works, Incorporated, New York, N. Y. Powdered lye. 45,041; re-renewed Aug. 1, 1945. O. G. Aug. 7. Class 6.
Champion Chemical Works, Incorporated: *See*—
Champion Chemical Works, assignor.
Chancellor Radio Company: *See*—
Kranzberg, Max H.
Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, C.
Cheim, Harry J., Marysville, Calif. Fresh deciduous fruits. 415,360; Aug. 7; Serial No. 477,915; published May 15, 1945. Class 46.
Chemical Corporation, The, Springfield, Mass. Powdered hand soap. 415,469; Aug. 7. Class 4.
Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft, Berlin, Germany; vested in the Alien Property Custodian, Washington, D. C. Soaps, albumen soaps, and cleaning liquors, etc. 197,286; renewed Apr. 14, 1945. O. G. Aug. 7. Class 4.
Chesler Glass Co., Brooklyn, N. Y. Mirrors. 415,368; Aug. 7; Serial No. 478,308; published May 15, 1945. Class 32.
Chic Manufacturing Co., Peoria, Ill., by change of name to Princess Peggy, Inc. Cloth aprons. 197,001; renewed Apr. 7, 1945. O. G. Aug. 7. Class 39.
Chicago Hydraulic Oil Co., Chicago, Ill. Hydraulic brake fluid. 415,460; Aug. 7. Class 6.
Christian Science Publishing Society, The, Boston, Mass. Newspaper column. 415,495; Aug. 7; Serial No. 469,223; published May 22, 1945. Class 38.
Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co., Inc., New York, N. Y. Baking-soda, saleratus, and baking-powder. 46,901; re-renewed Oct. 17, 1945. O. G. Aug. 7. Classes 6 and 46.
Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co., Inc., New York, N. Y. Sal-soda. 46,902; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 6.
Church & Dwight Co., Inc.: *See*—
Church & Dwight Company, assignor.
Claflin, Robert A., Industry, Maine. Finger guards. 415,467; Aug. 7. Class 44.
Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 46,382; re-renewed Sept. 19, 1945. O. G. Aug. 7. Class 39.
Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 46,591; re-renewed Sept. 26, 1945. O. G. Aug. 7. Class 39.
Cluett, Peabody & Co., Inc.: *See*—
Cluett, Peabody & Co., assignor.
Earl & Wilson, assignor.
Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 204,273; renewed Oct. 13, 1945. O. G. Aug. 7. Class 39.
Cohan, William, Chicago, Ill. Shoes. 415,358; Aug. 7; Serial No. 477,797; published May 1, 1945. Class 39.
Cohen Bros. Dresses, Boston, Mass. Ladies' and misses' dresses. 415,535; Aug. 7; Serial No. 478,921; published May 15, 1945. Class 39.
Cohen & Goshin, New York, N. Y. Girls', misses' and women's dresses, suits and coats. 415,544; Aug. 7; Serial No. 479,376; published May 22, 1945. Class 39.
Cohn, Herman, doing business as Herman Cohn Company and the House of Puzzy, Baltimore, Md. Combination kit of tooth-paste, tooth brush and drinking glass. 415,410; Aug. 7; Serial No. 479,553; published May 15, 1945. Class 50.
Cohn, Herman, Company: *See*—
Cohn, Herman.
Cole Chemical Company, St. Louis, Mo. Intravenous or intramuscular injections for correcting calcium deficiency. 415,379; Aug. 7; Serial No. 478,702; published May 15, 1945. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 415,394; Aug. 7; Serial No. 479,031; published May 1, 1945. Class 4.
Commercial Paste Company, The, Columbus, Ohio. Adhesive rubber. 197,405; renewed Apr. 14, 1945. O. G. Aug. 7. Class 5.
Container Corporation of America, Chicago, Ill. Folding cartons. 415,465; Aug. 7. Class 2.
Continental Pharmaceutical Corporation, Valparaiso, Ind. Compound of karaya, cascara, senna and buckthorn with phenolphthalein for human consumption. 415,395; Aug. 7; Serial No. 479,032; published May 15, 1945. Class 6.
Cooper, T. G., & Co., Inc., Philadelphia, Pa. Synthetic wax. 415,437; Aug. 7; Serial No. 480,165; published May 15, 1945. Class 1.
Cordage, Incorporated, Chicago, Ill. Retractable extension cords. 415,518–19; Aug. 7; Serial Nos. 477,148–9; published May 22, 1945. Class 21.
Corona Foothill Lemon Company, Corona, Calif. Fresh citrus fruits. 415,486; Aug. 7. Class 46.
Countess Mara Incorporated, New York, N. Y. Eau de cologne. 415,462; Aug. 7. Class 6.
Craddock-Terry Shoe Corporation: *See*—
Witt, Geo. D., Shoe Co.
Crary, C. S., Company, assignor, by mesne assignments, to Wm. R. Benner, Streator, Ill. Canned vegetables, canned fruits, canned fish, etc. 204,429; renewed Oct. 20, 1945. O. G. Aug. 7. Class 46.
Creamette Company, The, Minneapolis, Minn. Grape juice. 198,245; renewed May 12, 1945. O. G. Aug. 7. Class 45.
Creamette Company, The, Minneapolis, Minn. Chewing gum. 198,425; renewed May 19, 1945. O. G. Aug. 7. Class 46.
Crescent Hosiery Co., New York, N. Y. Women's hosiery and lingerie. 415,513; Aug. 7; Serial No. 475,647; published May 15, 1945. Class 39.
Crown Products Co.: *See*—
Bone, William H.
Cupples, Samuel, Envelope Co., St. Louis, Mo., to Samuel Cupples Envelope Company, Inc., Brooklyn, N. Y., successor. Envelopes. 47,013; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 37.
Cupples, Samuel, Envelope Company, Inc.: *See*—
Cupples, Samuel, Envelope Co.
Cutter-Crossette Co., Chicago, Ill. Cravats and neckties. 415,384; Aug. 7; Serial No. 478,806; published May 1, 1945. Class 39.
Damrau, William F., doing business as Michigan Industrial Sales Company, Detroit, Mich. Drill head. 415,296; Aug. 7; Serial No. 464,080; published Mar. 28, 1944. Class 23.
Daumit, Kay, Chicago, Ill. Liquid shampoo preparations. 415,476; Aug. 7. Class 6.
Davidson Manufacturing Corporation, Chicago, Ill. Blankets for lithographic printing presses. 415,493; Aug. 7; Serial No. 467,805; published May 22, 1945. Class 50.
Davies, Rose & Company, Limited, Boston, Mass. Toilet cream or lotion for the skin. 198,185; renewed May 5, 1945. O. G. Aug. 7. Class 6.
Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures and parts thereof. 415,330; Aug. 7; Serial No. 474,070; published May 15, 1945. Class 21.
Dell, Samuel M., & Company, Inc., Baltimore, Md. Brushes. 199,147; renewed June 2, 1945. O. G. Aug. 7. Class 29.
Den-Nap Electric Mold Co., Macon, Ga. Tire vulcanizing machines. 415,349; Aug. 7; Serial No. 477,100; published May 15, 1945. Class 23.
Dental Fillings Limited, London, England. Dental cement. 415,327; Aug. 7; Serial No. 473,426; published May 15, 1945. Class 44.
Des Moines Wholesale Grocer Co., Des Moines, Iowa, assignor to Twin City Wholesale Grocer Co., St. Paul, Minn. Canned fish, canned fruits, evaporated canned milk, etc. 197,673; renewed Apr. 21, 1945. O. G. Aug. 7. Class 46.
Des Moines Wholesale Grocer Co., Des Moines, Iowa, to Twin City Wholesale Grocer Co., St. Paul, Minn. Apple butter, canned fish, canned fruits, etc. 200,581; renewed July 7, 1945. O. G. Aug. 7. Class 46.
De Tuvaché, M., New York, N. Y. Cologne, toilet water, talcum powder, etc. 415,355; Aug. 7; Serial No. 477,548; published May 8, 1945. Class 6.
De Tuvaché, M., New York, N. Y. Toilet soap and shaving cream. 415,373; Aug. 7; Serial No. 478,540; published May 1, 1945. Class 4.
Diamond Springs Lime Company, Diamond Springs, Calif. Powder consisting essentially of calcium hydroxide and a complex mixture of proteoses, peptones, and amino acids. 415,302; Aug. 7; Serial No. 466,831; published May 15, 1945. Class 12.

Display Equipment Corp., The, New York, N. Y. Garment display equipment. 415,533; Aug. 7; Serial No. 478,704; published May 22, 1945. Class 50.
Diversey Corporation, The, Chicago, Ill. Cleaner in powdered form. 415,580; Aug. 7. Class 4.
Dixie Manufacturing Co., Greenville, Tex. Women's, men's, and children's underwear, lounging robes; women's housecoats, etc. 415,587; Aug. 7. Class 39.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 415,545; Aug. 7. Serial No. 479,377; published May 22, 1945. Class 37.
Dorelis, Inc., New York, N. Y. Perfume and toilet water and cologne. 415,331; Aug. 7; Serial No. 474,397; published May 8, 1945. Class 6.
Dover Hall Co., Inc., New York, N. Y. Tobacco pouches. 415,584; Aug. 7. Class 8.
Durene Association of America, New York, N. Y. Wearing apparel. 415,288; Aug. 7; Serial No. 457,824; published June 27, 1944. Class 39.
Durene Association of America, New York, N. Y. Knitted piece goods of cotton, mesh piece goods of cotton, curtain netting, etc. 415,289; Aug. 7; Serial No. 457,825; published May 15, 1945. Class 42.
Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Electrical ship telegraph transmission and receiving communication sets. 415,313; Aug. 7; Serial No. 470,563; published May 15, 1945. Class 21.
Earl Products Company, Chappaqua, N. Y. Silverware cleaner. 415,293; Aug. 7; Serial No. 462,551; published Feb. 1, 1944. Class 4.
Earl & Wilson, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Outer and dress shirts. 46,604; re-renewed Sept. 26, 1945. O. G. Aug. 7. Class 39.
Earnshaw Knitting Company, Newton, Mass., now by change of name to The Vanta Company. Infants' and children's knitted garments. 415,549; Aug. 7; Serial No. 479,782; published May 15, 1945. Class 39.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquer. 204,118–22; renewed Oct. 6, 1945. O. G. Aug. 7. Class 16.
Electric Steel Foundry, Portland, Oreg. Ferrous metal pipe. 415,595; Aug. 7. Class 13.
Emporium World Millinery Co., Chicago, Ill. Women's hats. 415,577–9; Aug. 7. Class 39.
Enamel Products Company, The, Cleveland, Ohio. Table tops. 415,375; Aug. 7; Serial No. 478,575; published May 15, 1945. Class 32.
Energine Company, The, Cleveland, Ohio, assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Liquid hydrocarbon fuels for automobiles. 46,575; re-renewed Sept. 26, 1945. O. G. Aug. 7. Class 15.
Euclid Avenue Orange Association, Upland, Calif. Fresh citrus fruits. 415,300; Aug. 7; Serial No. 465,678; published May 15, 1945. Class 46.
Eureka Vacuum Cleaner Company, Detroit, Mich. Electric laundry irons and for electric motors. 415,347; Aug. 7; Serial No. 477,061; published May 15, 1945. Class 21.
Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.
Evangeline Products, Inc., Brooklyn, N. Y. Shoe dressings and shoe polishes. 415,415; Aug. 7; Serial No. 479,617; published May 15, 1945. Class 4.
F-R Publishing Corporation, The, New York, N. Y. Magazine column. 415,556; Aug. 7; Serial No. 480,064; published May 8, 1945. Class 38.
Fansteel Metallurgical Corporation, North Chicago, Ill. Tools and parts of tools. 415,427; Aug. 7; Serial No. 479,971; published May 15, 1945. Class 23.
Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, and overcoats for men and boys. 415,483; Aug. 7. Class 39.
Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, and overcoats for men and boys. 415,606; Aug. 7. Class 39.
Fassett & Company, Tacoma, Wash. Food sirups. 204,568; renewed Oct. 20, 1945; O. G. Aug. 7. Class 46.
Fenton, Jean, Inc., New York, N. Y. Ladies' and misses' blouses. 415,602; Aug. 7. Class 39.
Festival Music Company: *See*—
Sargent, Lester L.
Finley, Abe H., doing business as Finley & Co., Syracuse, N. Y. Vitamin tablets. 415,304; Aug. 7; Serial No. 467,026; published May 8, 1945. Class 6.
Finley & Co.: *See*—
Finley, Abe H.
Fischer & Co., Inc., New York, N. Y. Ladies' lingerie. 415,326; Aug. 7; Serial No. 473,696; published Oct. 24, 1944. Class 39.
Flaster, Alfred A., New York, N. Y. Perfumes, colognes, toilet waters, etc. 415,590; Aug. 7. Class 6.
Fleck, Joseph, doing business as Fleck Mfg. Co., Asbury Park, N. J. Liquid preparation. 415,431; Aug. 7; Serial No. 480,014; published May 8, 1945. Class 6.
Fleck Mfg. Co.: *See*—
Fleck, Joseph.
Food Conveyors Limited, London, England. Solid and fluid burning food warmers. 415,295; Aug. 7; Serial No. 463,901; published May 15, 1945. Class 34.
Forstenzer & Frank, New York, N. Y. Wallets and key cases. 415,425; Aug. 7; Serial No. 479,870; published May 15, 1945. Class 3.
Frank, A. B., Company, San Antonio, Tex. Overalls and other work clothes for men and boys. 204,547; renewed Oct. 20, 1945. O. G. Aug. 7. Class 39.
Fuchs, Leopold, New York, N. Y. Question and answer ouija game device. 415,420; Aug. 7; Serial No. 479,791; published May 15, 1945. Class 22.
Fuller Brush Company, The, Hartford, Conn. Vanity cases. 202,196; renewed Aug. 18, 1945. O. G. Aug. 7. Class 6.
G. M. Manufacturing Co., New York, N. Y. Lubricants for moulds. 415,546; Aug. 7; Serial No. 479,386; published May 8, 1945. Class 15.
Gelnett Mears Enterprises, Philadelphia, Pa. Social stationary. 415,531; Aug. 7; Serial No. 478,615; published May 22, 1945. Class 37.
General Aircraft Equipment, Inc., South Norwalk, Conn. Metal cutting machine tools. 415,505; Aug. 7; Serial No. 473,811; published May 22, 1945. Class 23.
General Baking Company, New York, N. Y. Cake. 204,027; renewed Oct. 6, 1945. O. G. Aug. 7. Class 46.
General Mills, Inc., Minneapolis, Minn. Blank record books. 415,463; Aug. 7. Class 37.
General Refractories Company, Philadelphia, Pa. Standard refractory brick. 415,303; Aug. 7; Serial No. 466,893; published May 15, 1945. Class 12.
Gertmenian's Produce, also doing business as Big "G" Farms, Los Angeles, Calif. Fresh deciduous fruits and fresh vegetables. 415,488; Aug. 7; Serial No. 458,630; published May 22, 1945. Class 46.
Gibbs Gas Engine Company of Florida, Jacksonville, Fla. Men's, women's, juvenile boys' and girls' clothing. 415,591; Aug. 7. Class 39.
Girdler Corporation, The, Louisville, Ky. Apparatus for producing high frequency electric currents and high frequency electric and magnetic fields and apparatus for utilizing such currents and fields in the heating or other treatment of materials. 415,490; Aug. 7; Serial No. 462,643; published Oct. 17, 1944. Class 21.
Glass Industries, Inc., Cincinnati, Ohio. Glass bottles and vials. 415,397; Aug. 7; Serial No. 479,035; published May 15, 1945. Class 33.
Glass Industries, Inc., Cincinnati, Ohio. Hypodermic syringes. 415,512; Aug. 7; Serial No. 475,614; published May 22, 1945. Class 44.
Globe Instrument Company, Inc., Woodside, N. Y. Hand and table perophoric device. 415,598; Aug. 7. Class 34.
Globe Soap Company, The, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap flakes. 202,012; renewed Aug. 11, 1945. O. G. Aug. 7. Class 4.
Globe Soap Company, The, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 202,722–3; renewed Sept. 1, 1945. O. G. Aug. 7. Class 4.
Globe-Union Inc.: *See*—
Central Radio Laboratories, assignor.
Gold Medal Candy Company, Brooklyn, N. Y. Candy. 415,566; Aug. 7; Serial No. 481,064; published May 22, 1945. Class 46.
Gordon, G. M., doing business as G. M. Gordon Drug Co., assignor to G. M. Gordon Drug Company, Dallas, Tex. Antiseptic medicine for diseases of the stomach and bowels. 198,742; renewed May 26, 1945. O. G. Aug. 7. Class 6.
Gordon, G. M., Drug Co.: *See*—
Gordon, G. M.
Gordon, G. M., Drug Company: *See*—
Gordon, G. M., assignor.
Gradiaz, Annis & Co., Inc.: *See*—
Sanchez & Haya Co., assignor.
Grand Brokerage Company, St. Louis, Mo. Beverage syrup. 415,480; Aug. 7. Class 45.
Great States Corporation, Shelbyville, Ind. Lawn mowers. 415,492; Aug. 7; Serial No. 467,452; published May 22, 1945. Class 23.
Greenberg & Lobel, New York, N. Y. Leather hand bags for women. 415,374; Aug. 7; Serial No. 478,550; published May 15, 1945. Class 3.
Grennan Bakeries Incorporated, Detroit, Mich., to Grennan Bakeries, Incorporated, Chicago, Ill. Cakes. 204,532; renewed Oct. 20, 1945. O. G. Aug. 7. Class 46.
Griess-Pfleger Tanning Co., The: *See*—
Griess Pfleger Tanning Company, The.
Griess Pfleger Tanning Company, The, Cincinnati, Ohio, to The Griess-Pfleger Tanning Co., Waukegan, Ill. Leather. 203,728; renewed Sept. 22, 1945. O. G. Aug. 7. Class 1.
Groves Shoe Company, Chicago, Ill. Shoes and slippers. 415,385; Aug. 7; Serial No. 478,815; published Apr. 24, 1945. Class 39.
Haas, J. G., Soap Co., St. Louis, Mo., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Laundry soap. 45,427; re-renewed Aug. 15, 1945. O. G. Aug. 7. Class 4.
Haire Publishing Company, New York, N. Y. Annual directories. 415,473; Aug. 7. Class 38.
Handi Bag Co., New York, N. Y. Ladies' and children's handbags. 415,453; Aug. 7; Serial No. 481,372; published May 15, 1945. Class 3.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. 415,351; Aug. 7; Serial No. 477,193; published May 15, 1945. Class 12.
Harris, Robert, Brooklyn, N. Y. Slides made of metal or plastics, tapes and waist belts, etc. 415,601; Aug. 7. Class 40.
Hearst Corporation, The: *See*—
Star Company, assignor.

Heath Company, Benton Harbor, Mich. Combination air scoops and filters. 415,520; Aug. 7; Serial No. 477,194; published May 22, 1945. Class 23.
Hecht Company, The, Washington, D. C., also doing business as The Hub, Baltimore, Md. Boys' clothing. 415,562; Aug. 7; Serial No. 480,373; published May 22, 1945. Class 39.
Heine & Co., New York, N. Y. Essential oils suitable for perfumery purposes. 204,250–2; renewed Oct. 13, 1945. O. G. Aug. 7. Class 6.
Henri Company: *See*—
Jacobs, Henry.
Hercules Powder Company, Wilmington, Del. Nitrocellulose. 201,728–9; renewed Aug. 4, 1945. O. G. Aug. 7. Class 1.
Hercules Powder Company, Wilmington, Del. Rosin. 201,825; renewed Aug. 11, 1945. O. G. Aug. 7. Class 1.
Hercules Powder Company, Wilmington, Del. Rosin. 201,858; renewed Aug. 11, 1945. O. G. Aug. 7. Class 1.
Hettrick Manufacturing Company, The, Toledo, Ohio. Bowling ball bags. 415,506; Aug. 7; Serial No. 473,818; published May 22, 1945. Class 22.
Hill, Fred A., Redlands, Calif. Fresh citrus fruits. 415,472; Aug. 7. Class 46.
Hillman Co., The: *See*—
Van Syoc, Glenn W.
Hirsch, Julius, New York, N. Y. Men's hats. 415,594; Aug. 7. Class 39.
Hirsch, William L., Buffalo, N. Y. Medicinal preparation for internal use. 415,337; Aug. 7; Serial No. 475,363; published May 8, 1945. Class 6.
Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. 415,308; Aug. 7; Serial No. 469,398; published July 11, 1944. Class 6.
Hopkin & Williams, Limited: *See*—
British Drug Houses, Limited, The.
Horlacher Brewing Company, Allentown, Pa. Beer and ale. 415,516; Aug. 7; Serial No. 476,866; published May 15, 1945. Class 48.
Hospital Liquids, Inc., Chicago, Ill. Solution for parenteral administration. 415,332; Aug. 7; Serial No. 474,664; published Feb. 6, 1945. Class 6.
House of Puzzy: *See*—
Cohn, Herman.
House of Wines, Washington, D. C. Wines. 415,538; Aug. 7; Serial No. 478,997; published May 22, 1945. Class 47.
House of Wines, Washington, D. C. Whiskey and gin. 415,539; Aug. 7; Serial No. 478,998; published May 22, 1945. Class 49.
Hoyle, Joseph, & Son, Limited, Longwood, near Huddersfield, England. Cloths and stuffs of wool, worsted, or hair. 198,009; renewed Apr. 28, 1945. O. G. Aug. 7. Class 42.
Hoyt, F., & Co., Inc.: *See*—
Hoyt, F., & Company, Limited, assignor.
Hoyt, F., & Company, Limited, Philadelphia, Pa., assignor, by mesne assignments, to F. Hoyt & Co., Inc., New York, N. Y. Perfumery. 46,216; re-renewed Sept. 12, 1945. O. G. Aug. 7. Class 6.
Hub, The: *See*—
Hecht Company.
Hubinger Co., The: *See*—
Hubinger, J. C., Bros. Co., assignor.
Hubinger, J. C., Bros. Co., Keokuk, Iowa, and New Haven, Conn., assignor to The Hubinger Co., Keokuk, Iowa. Starch. 26,882; re-renewed July 30, 1945. O. G. Aug. 7. Class 6.
Hudnut, Richard, New York, N. Y. Series of pamphlets. 415,530; Aug. 7; Serial No. 478,605; published May 1, 1945. Class 38.
Hunt, C. B., & Son, Salem, Ohio. Pressure flood control valves. 415,527; Aug. 7; Serial No. 478,389; published May 22, 1945. Class 13.
Hunter, Jacque A., Los Angeles, Calif. Perfumes. 415,323; Aug. 7; Serial No. 473,505; published May 15, 1945. Class 6.
Hydro-Power Systems, Incorporated, Mount Gilead, Ohio. Hydraulic pumps, hydraulic presses, hydraulic control valves, etc. 415,454; Aug. 7. Class 23.
Hyland Bag Company: *See*—
Hyland, Richard C.
Hyland, Richard C., doing business as Hyland Bag Company, assignor, by mesne assignments, to Pacific Diamond H Bag Company, San Francisco, Calif. Burlap bags. 203,679; renewed Sept. 22, 1945. O. G. Aug. 7. Class 2.
Hyman, L., & Sons, New York, N. Y. Twine. 200,413; renewed June 30, 1945. O. G. Aug. 7. Class 7.
Hytron Corporation, Salem, Mass. Radio tubes. 415,432; Aug. 7; Serial No. 480,021; published May 15, 1945. Class 21.
Ideals Publishing Company, Milwaukee, Wis. Books published from time to time. 415,536; Aug. 7; Serial No. 478,960; published May 15, 1945. Class 38.
Import Publications, Inc., New York, N. Y. Section in a periodical. 415,457; Aug. 7. Class 38.
Industrial Medicine Publishing Company, Chicago, Ill. Periodical publication. 415,455; Aug. 7. Class 38.
Industrial Publishing Company, The, Cleveland, Ohio. Publication published monthly. 415,565; Aug. 7; Serial No. 480,952; published May 22, 1945. Class 38.
International Merit Products Corporation, New York, N. Y. Phonograph needles. 415,450; Aug. 7; Serial No. 481,109; published May 15, 1945. Class 36.
International Merit Products Corporation, New York, N. Y. Phonograph needles. 415,567; Aug. 7; Serial No. 481,110; published May 22, 1945. Class 36.
Iowa Canning Company, Vinton, Iowa. Canned vegetables. 203,899; renewed Sept. 29, 1945. O. G. Aug. 7. Class 46.
Iowa Canning Company, Vinton, Iowa. Canned vegetables. 203,902; renewed Sept. 29, 1945. O. G. Aug. 7. Class 46.
Irwin, Neisler & Co., Decatur, Ill. Preparation containing sodium taurocholate and sodium glycocholate. 415,411; Aug. 7; Serial No. 479,570; published May 15, 1945. Class 6.
Irwin, Neisler & Co., Decatur, Ill. Preparation containing per fluid ounce 16 grains of terpin hydrate. 415,412; Aug. 7; Serial No. 479,571; published May 15, 1945. Class 6.
Ivers-Lee Company, Newark, N. J. Merchandise envelopes. 415,571; Aug. 7; Serial No. 481,544; published May 22, 1945. Class 2.
Jacobs, Henry, doing business as Henri Company, Chicago, Ill. Cologne and after shave lotion. 415,386; Aug. 7; Serial No. 478,875; published May 8, 1945. Class 6.
Janney Coffee Co.: *See*—
Janney-Marshall Co. Inc.
Janney-Marshall Co. Inc., doing business as Janney Coffee Co., Fredericksburg, Va. Coffee. 204,017; renewed Oct. 6, 1945. O. G. Aug. 7. Class 46.
Jockey Grinder Limited, Toronto, Ontario, Canada. Saw grinders, power chain saws, saw setters, etc. 415,503; Aug. 7; Serial No. 473,382; published May 22, 1945. Class 23.
Johnson Belting Company, Inc., New York, N. Y. Leather belting. 204,413; renewed Oct. 20, 1945. O. G. Aug. 7. Class 35.
Johnson Belting Company, Inc., New York, N. Y. Leather belting. 415,485; Aug. 7. Class 35.
Johnston & Jennings Company, The, Cleveland, Ohio. Electrodes. 415,525; Aug. 7; Serial No. 478,052; published May 22, 1945. Class 21.
Jones & Kavanagh Co., Ltd.: *See*—
California Vegetable Union.
Kangaroo, Columbus, Ohio. Place mats of composition material. 415,361; Aug. 7; Serial No. 478,129; published May 15, 1945. Class 50.
Kastrin, Mathew, doing business as Mathew Matzuni Laboratories, Detroit, Mich. Salve. 415,362; Aug. 7; Serial No. 478,158; published May 8, 1945. Class 6.
Kaufman, L. J., Mfg. Co., Manitowoc, Wis. Electric hedge trimmers. 415,333; Aug. 7; Serial No. 474,855; published May 15, 1945. Class 21.
Kayser, Julius, & Co., New York, N. Y. Monthly newspaper. 415,521; Aug. 7; Serial No. 477,515; published May 8, 1945. Class 38.
Keenan Oil and Fuel Company: *See*—
Keenan, Walter J.
Keenan, Walter J., doing business as Keenan Oil and Fuel Company, Cincinnati, Ohio. Fuel oil. 415,607; Aug. 7. Class 15.
Kennel Food Supply Company, The, Fairfield, Conn. Dog meal. 415,608; Aug. 7. Class 46.
Kerkow, L. O., Cleveland, to L. O. Kerkow, Cleveland Heights, Ohio. Liquid cleaner and polish. 204,319; renewed Oct. 13, 1945. O. G. Aug. 7. Class 16.
Keystone Watch Case Co., The, Philadelphia, Pa., assignor to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 44,604–5; re-renewed July 18, 1945. O. G. Aug. 7. Class 27.
Keystone Watch Case Co., Philadelphia, Pa., assignor to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 44,607; re-renewed July 18, 1945. O. G. Aug. 7. Class 27.
Keystone Watch Case Co., The, Philadelphia, Pa., assignor to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 45,834; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 27.
Keystone Watch Case Co., The, Philadelphia, Pa., assignor to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, watch movements, parts thereof. 200,376; renewed June 30, 1945. O. G. Aug. 7. Class 27.
Killion, Earl, North Hollywood, Calif. Non-alcoholic, non-cereal, maltless beverages. 415,508; Aug. 7; Serial No. 474,287; published May 15, 1945. Class 45.
Kimac Company, The, Old Greenwich, Conn. Hand monocular viewers. 415,526; Aug. 7; Serial No. 478,281; published May 15, 1945. Class 26.
Kirsch-Blacher Company, Inc., New York, N. Y. Shoes. 415,585; Aug. 7. Class 39.
Kommel, A., & Sons, New York, N. Y. All types of underwear, knitted or woven, hosiery, and all types of sweaters. 204,270; renewed Oct. 13, 1945. O. G. Aug. 7. Class 39.
Kranzberg, Max H., doing business as Chancellor Radio Company, New York, N. Y. Phonograph records and phonograph recording discs. 415,344; Aug. 7; Serial No. 476,792; published May 15, 1945. Class 36.

Krementz & Company, Newark, N. J. Jewelry made of precious metal. 204,226; renewed Oct. 13, 1945. O. G. Aug. 7. Class 28.
Kresge Department Store Newark: *See*—
Kresge, Sebastian S.
Kresge, Sebastian S., doing business as Kresge Department Store Newark, Newark, N. J. Women's and misses' coats. 415,522; Aug. 7; Serial No. 477,768; published May 22, 1945. Class 39.
Kress, S. H., and Company, New York, N. Y. Hair nets. 204,624; renewed Oct. 20, 1945; O. G. Aug. 7. Class 39.
Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory cement and bricks. 201,965; renewed Aug. 11, 1945. O. G. Aug. 7. Class 12.
Lambert Pharmacal Company: *See*—
Lambert Pharmacal Co., assignor.
Lambert Pharmacal Co., St. Louis, Mo., assignor to Lambert Pharmacal Company, Wilmington, Del. Antiseptic medicinal preparations. 45,682; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 6.
Lambert Pharmacal Company, St. Louis, Mo., assignor to Lambert Pharmacal Company, Wilmington, Del. Cold cream. 203,366; renewed Sept. 15, 1945. O. G. Aug. 7. Class 6.
Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Anti-perspirant and deodorant cream. 415,439; Aug. 7; Serial No. 480,418; published May 8, 1945. Class 6.
Lamont-Reed Corporation, New York, N. Y. Wax combinatfons. 415,335; Aug. 7; Serial No. 475,210; published May 8, 1945. Class 6.
Lanoil System Ltd., now by change of name Nestle Lanoil Co., Ltd., assignor to The Nestle-Le Mur Company, New York, N. Y. Preparations adapted and intended for use in waving and curling hair, etc. 200,234; renewed June 30, 1945. O. G. Aug. 7. Class 6.
Lazarus, F. & R., & Company, The, Columbus, Ohio. Maternity dresses. 415,559; Aug. 7; Serial No. 480,337; published May 15, 1945. Class 39.
Lederle Laboratories, Inc., New York, N. Y. Vitamin B Complex preparation. 415,408; Aug. 7; Serial No. 479,520; published May 15, 1945. Class 6.
Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 415,442; Aug. 7; Serial No. 480,591; published May 15, 1945. Class 35.
Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 415,443–4; Aug. 7; Serial Nos. 480,595–6; published May 15, 1945. Class 35.
Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 415,445–6; Aug. 7; Serial Nos. 480,598–9; published May 15, 1945. Class 35.
Leeds Ltd., Coats, Inc.: *See*—
Siegel Bros. Garment Corp.
Lenzer, Sol, Corporation, Buffalo, N. Y. Non-alcoholic carbonated beverages. 415,552; Aug. 7; Serial No. 479,851; published May 15, 1945. Class 45.
Les Parfums De Dana, Inc., New York, N. Y. Toilet soaps. 415,416; Aug. 7; Serial No. 479,628; published May 15, 1945. Class 4.
Les Parfums D'Isabey Inc., New York, N. Y. Perfumes, perfume extracts, toilet water, face powder, etc. 415,315; Aug. 7; Serial No. 471,091; published May 15, 1945. Class 6.
Les Parfums Worth De Paris, Inc.: *See*—
Societe Worth, assignor.
Levering Coffee Co., assignor to The Levering Coffee Company, Baltimore, Md. Coffee. 44,370; re-renewed July 4, 1945. O. G. Aug. 7. Class 46.
Levering Coffee Co., assignor to The Levering Coffee Company, Baltimore, Md. Coffee. 44,372; re-renewed July 4, 1945. O. G. Aug. 7. Class 46.
Levering Coffee Co., assignor to The Levering Coffee Company, Baltimore, Md. Coffee. 45,124–5; re-renewed Aug. 8, 1945. O. G. Aug. 7. Class 46.
Levering Coffee Company, The: *See*—
Levering Coffee Co., assignor.
Lewis, Richard C., Chicago, Ill. Babies' folding bathtubs. 415,413; Aug. 7; Serial No. 479,582; published May 8, 1945. Class 13.
Link-Belt Company, Chicago, Ill. Sprocket wheels. 204,153; renewed Oct. 6, 1945. O. G. Aug. 7. Class 23.
Louis, M.: *See*—
Napolitan, Louis.
Lowe Bros. Co., The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Paint pigments. 47,016; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 16.
Lowe Brothers Company, The: *See*—
Lowe Bros. Co., The, assignor.
M. R. Products Co.: *See*—
Maccabee, Maxwell B.
Maccabee, Maxwell B., doing business as M. R. Products Co., New York, N. Y. Depilatory creams. 415,314; Aug. 7; Serial No. 471,807; published May 8, 1945. Class 6.
Maritime Milling Co. Inc., New York, N. Y. Poultry and stock food. 204,081; renewed Oct. 6, 1945. O. G. Aug. 7. Class 46.
Marlon Confections Company, New York, N. Y. Candies. 415,339; Aug. 7; Serial No. 475,765; published May 15, 1945. Class 46.
Mascot Knitting Mills, to Sweetwater Hosiery Mills, Sweetwater, Tenn., successor. Hosiery. 45,530; renewed Aug. 22, 1945. O. G. Aug. 7. Class 39.
Masie, Hans H., New York, N. Y. Pine bath preparations. 415,336; Aug. 7; Serial No. 475,214; published May 15, 1945. Class 6.
Mason, Au & Magenheimer Conf. Mfg. Co., assignor to Mason, Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y. Candies. 415,489; Aug. 7; Serial No. 460,119; published May 22, 1945. Class 46.
Mason, Au & Magenheimer Confectionery Mfg. Co.: *See*—
Mason, Au & Magenheimer Conf. Mfg. Co., assignor.
Mathieson Alkali Works (Inc.), The: *See*—
Southern Gypsum Company, Incorporated, assignor.
Matzuni, Mathew, Laboratories: *See*—
Kastrin, Mathew.
Maxcy, Latimer, Frostproof, Fla. Citrous fruit. 204,655; renewed Oct. 20, 1945. O. G. Aug. 7. Class 46.
Mazzie, E. C., trading as Mazzie Farms, Bakersfield, Calif. Fresh vegetables. 415,354; Aug. 7; Serial No. 477,427; published May 15, 1945. Class 46.
Mazzie Farms: *See*—
Mazzie, E. C.
McBride, Robert J., doing business as Midway Cigar Company, Kearney, Nebr. Cigars. 415,558; Aug. 7; Serial No. 480,250; published May 22, 1945. Class 17.
McCord Corporation, Detroit, Mich. Mufflers and tail pipes. 415,600; Aug. 7. Class 23.
McCrary Hosiery Mills, Inc., Asheboro, N. C. Women's hosiery. 415,597; Aug. 7. Class 39.
McGreevey, Werring & Howell Co., New York, N. Y. Ladies' coats, suits, skirts, etc. 415,509; Aug. 7; Serial No. 474,498; published May 22, 1945. Class 39.
Mendleson, A., & Sons, Albany, assignor, by mesne assignments, to B. T. Babbitt, Inc., Albany and New York, N. Y. Potash or lye. 26,908; re-renewed Aug. 6, 1945. O. G. Aug. 7. Class 6.
Merck & Co., Inc., Rahway, N. J. Preparation for testing for acidity and alkalinity. 415,318; Aug. 7; Serial No. 472,959; published May 8, 1945. Class 6.
Metalsalts Corporation, Hackensack, N. J. Various types of salts. 415,312; Aug. 7; Serial No. 470,540; published May 8, 1945. Class 6.
Michigan Fertilizer Company, The, Sandusky, Ohio, and Lansing, Mich. Mineral and vitamin compound. 415,459; Aug. 7. Class 6.
Michigan Industrial Sales Company: *See*—
Damrau, William F.
Middleby, Joseph, Jr., Inc., assignor to Joseph Middleby, Jr., Inc., Boston, Mass. Imitation maple extract. 197,986; renewed Apr. 28, 1945. O. G. Aug. 7. Class 46.
Midway Cigar Company: *See*—
McBride, Robert J.
Miers, Robert, doing business as Romier Products Co., New York, N. Y. Poisonous rat and mice food. 415,466; Aug. 7. Class 6.
Mishel, Hyman H., Philadelphia, Pa. Beach robes, beach pajamas, rain coats, etc. 415,365; Aug. 7; Serial No. 478,236; published Apr. 24, 1945. Class 39.
Moland's, Wm., Sons, Inc.: *See*—
Squire, Paul C., assignor.
Monroe Chemical Company: *See*—
Monroe Drug Company.
Monroe Drug Company to Monroe Chemical Company, Quincy, Ill., successor. Bleaching powder. 198,888; renewed May 26, 1945. O. G. Aug. 7. Class 6.
Monroe Drug Company, to Monroe Chemical Company, Quincy, Ill., successor. Dyes. 200,425; renewed June 30, 1945. O. G. Aug. 7. Class 6.
Moorman Manufacturing Company, Quincy, Ill. Preparation for use in the prevention and control of coccidiosis in poultry. 415,341; Aug. 7; Serial No. 476,111; published May 15, 1945. Class 6.
Moriarty, Frederick M., Providence, R. I. Jewelers' tools and jewelers' dies. 415,524; Aug. 7; Serial No. 478,012; published May 22, 1945. Class 23.
Morton Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Insecticides. 415,470; Aug. 7. Class 6.
Muscatine Processing Corporation, Muscatine, Iowa. Soybean meal. 415,540; Aug. 7; Serial No. 479,135; published May 22, 1945. Class 46.
Napolitan, Louis, doing business as M. Louis, New York, N. Y. Permanent wave lotion, hair-end cream, etc. 415,581; Aug. 7. Class 6.
National Fabric and Finishing Company, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods and other textile fabrics. 199,783; renewed June 16, 1945. O. G. Aug. 7. Class 42.
National Marking Machine Company, The, Cincinnati, Ohio. Ink thinner. 415,371; Aug. 7; Serial No. 478,515; published May 8, 1945. Class 11.
National Marking Machine Company, The, Cincinnati, Ohio. Indelible ink. 415,372; Aug. 7; Serial No. 478,516; published Apr. 17, 1945. Class 11.
Nestle Lanoil Co., Ltd.: *See*—
Lanoil System Ltd.

Nestle Lanoil Co. Ltd., assignor to The Nestle-Le Mur Company, New York, N. Y. Electric heaters, their supports and fittings for waving and curling hair. 203,841; renewed Sept. 29, 1945. O. G. Aug. 7. Class 44.

Nestle-Le Mur Company, The: *See*—
Lanoil System Ltd., assignor.

New England Coal and Coke Company, assignor to New England Coke Company, Boston, Mass. Coke. 203,300; renewed Sept. 15, 1945. O. G. Aug. 7. Class 1.

New England Coke Company: *See*—
New England Coal and Coke Company, assignor.

New England Screw Co., Keene, N. H. Machine screw and washer unit fastenings. 415,404; Aug. 7; Serial No. 479,297; published May 15, 1945. Class 13.

New Wrinkle, Inc., Wilmington, Del., and Dayton, Ohio. Publication. 415,501; Aug. 7; Serial No. 472,289; published May 1, 1945. Class 38.

Northland Farms: *See*—
Sproul, William W., assignor.

Nu-Fashion Underwear Corp., New York, N. Y. Ladies' and misses' slips, nightgowns, pajamas, and bed jackets. 415,477; Aug. 7. Class 39.

Nu-Lift Company, Inc., The, Hollywood, Calif. Maternity girdles, maternity belts, and maternity corsets. 415,589; Aug. 7. Class 39.

Nutter Bros., Sanford, Maine. Fresh deciduous fruits. 415,529; Aug. 7; Serial No. 478,591; published May 15, 1945. Class 46.

Oakes Bros., Inc., Jamaica Plain, Mass. Sweaters. 415,604; Aug. 7. Class 39.

Office Publications Company: *See*—
Schulhof, William.

Oil & Chemical Products, Inc., New York, N. Y. Hair cream, dental cream, and talcum powder. 415,588; Aug. 7. Class 6.

Old Fashioned Herb Co.: *See*—
Abshire, Arnold A.

Olson, Diana, doing business as Toby & Co. Sportswear, New York, N. Y. Ladies' and misses' suits and slacks. 415,369; Aug. 7; Serial No. 478,404; published May 8, 1945. Class 39.

Orange Judd Company, New York, assignor, by mesne assignments, to American Agriculturist, Inc., Ithaca, N. Y. Periodicals. 46,134; re-renewed Sept. 5, 1945. O. G. Aug. 7. Class 38.

Orr and Sembower, Inc., Reading, Pa. Fluid fuel burning, steam and hot water generating units, and parts thereof. 415,319; Aug. 7; Serial No. 473,072; published May 1, 1945. Class 34.

O'Shaughnessy, Richard, doing business as O'Shaughnessy & Co., St. Louis, Mo. Medicinal salve. 415,398; Aug. 7; Serial No. 479,046; published May 8, 1945. Class 6.

O'Shaughnessy & Co.: *See*—
O'Shaughnessy, Richard.

Ovington, Edward J., doing business as Ovingtons, Boston, Mass. Needles, pins and tipping wire for constituting the parts which are called the "Needles" of needle valves. 415,290; Aug. 7; Serial No. 458,897; published May 8, 1945. Class 13.

Ovingtons: *See*—
Ovington, Edward J.

PHC Housing Corporation, New York, N. Y. Prefabricated building and structural parts thereof. 415,417; Aug. 7; Serial No. 479,639; published May 15, 1945. Class 12.

Pacific Diamond H Bag Company: *See*—
Hyland, Richard C., assignor.

Pacific Mills, Lawrence, Mass., to Pacific Mills, New York, N. Y. Crape. 46,523; re-renewed Sept. 26, 1945. O. G. Aug. 7. Class 42.

Pacific Mills, Lawrence and Boston, Mass., to Pacific Mills, New York, N. Y. Cotton piece goods. 201,488; renewed July 28, 1945. O. G. Aug. 7. Class 42.

Packing Products Company, New York, N. Y. Hardware. 415,497; Aug. 7; Serial No. 471,617; published May 22, 1945. Class 13.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 204,456; renewed Oct. 20, 1945. O. G. Aug. 7. Class 42.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 204,533; renewed Oct. 20, 1945. O. G. Aug. 7. Class 42.

Pantasote Leather Company, The, Passaic, N. J. Leather substitutes in the piece. 415,356; Aug. 7; Serial No. 477,664; published May 15, 1945. Class 50.

Parfait, Incorporated, Chicago, Ill. Dusting powder, toilet water, bath salts, and talcum powder. 415,387; Aug. 7; Serial No. 478,893; published May 15, 1945. Class 6.

Parfumerie Casella, Brooklyn, N. Y. After shave lotion. 415,426; Aug. 7; Serial No. 479,897; published May 8, 1945. Class 6.

Parke, Davis & Company, Detroit, Mich. Antimony compound. 415,428; Aug. 7; Serial No. 479,984; published May 8, 1945. Class 6.

Parke, Davis & Company, Detroit, Mich. Vitamin combination. 415,429; Aug. 7; Serial No. 479,985; published May 8, 1945. Class 6.

Parnes, Samuel J., doing business as Vesco Products Co., Kittanning, Pa. Laundry washing machine parts. 415,350; Aug. 7; Serial No. 477,118; published May 15, 1945. Class 24.

Paskin, Louis, doing business as Soprano Perfume Co., New York, N. Y. Perfumes, toilet waters, cold creams, etc. 415,380; Aug. 7; Serial No. 478,759; published May 15, 1945. Class 6.

Patchogue-Plymouth Mills Corporation, New York, N. Y. Rugs and carpets of matting material. 204,406; renewed Oct. 20, 1945. O. G. Aug. 7. Class 42.

Paulette Originals, Inc., New York, N. Y. Ladies', misses' and children's handbags and purses. 415,563; Aug. 7; Serial No. 480,674; published May 22, 1945. Class 3.

Peake, W. O., Limited, St. Albans and London, England. Weatherproof coats for men and women. 415,517; Aug. 7; Serial No. 477,078; published May 22, 1945. Class 39.

Pearson, J. C., Co., Boston, Mass., assignor to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Nails provided with a non-metallic coating. 45,458-9; re-renewed Aug. 22, 1945. O. G. Aug. 7. Class 13.

Pepperell Manufacturing Company: *See*—
National Fabric and Finishing Company, assignor.
Smith, Hogg & Co., assignor.

Philadelphia Watch Case Co., assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 45,402; re-renewed Aug. 15, 1945. O. G. Aug. 7. Class 27.

Philadelphia Watch Case Co., assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watch cases, and watch movements. 45,406; re-renewed Aug. 15, 1945. O. G. Aug. 7. Class 27.

Philadelphia Watch Case Co., assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 45,841; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 27.

Philco Corporation, Philadelphia, Pa. Air conditioners, air conditioning ducts, etc. 415,320; Aug. 7; Serial No. 473,121; published May 15, 1945. Class 34.

Pl-Do Corporation, Dallas, Tex. Pie and pastry crust mix. 415,498; Aug. 7; Serial No. 472,079; published May 22, 1945. Class 46.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders, garters, arm bands, and belts. 204,317; renewed Oct. 13, 1945. O. G. Aug. 7. Class 39.

Pittsburg Chemical Co., Los Angeles, Calif. Fumigating compounds, refrigerants, food preserving chemicals, etc. 415,298; Aug. 7; Serial No. 464,926; published May 8, 1945. Class 6.

Pogue, H. E., Distillery Company, Inc., The, Maysville, Ky. Whiskey. 415,547; Aug. 7; Serial No. 479,644; published May 8, 1945. Class 49.

Post Watch Co., New York, N. Y. Horological instruments. 415,599; Aug. 7. Class 27.

Potash Company of America, Atlanta, Ga., New York, N. Y., and Carlsbad, N. Mex. Muriate of potash. 415,392; Aug. 7; Serial No. 478,930; published May 15, 1945. Class 10.

Premier Precision Manufacturing Corp., New York, N. Y. Dial indicator gauges, plug gauges, plug thread gauges, etc. 415,560; Aug. 7; Serial No. 480,347; published May 15, 1945. Class 26.

Princess Peggy, Inc.: *See*—
Chic Manufacturing Co.

Procter & Gamble Company, The: *See*—
Globe Soap Company, The, assignor.
Haas, J. G., Soap Co., assignor.
Waltke, William, & Co., assignor.

Progressive Musical Instrument Corporation, New York, N. Y. Strings for violins and similar musical instruments. 415,568; Aug. 7; Serial No. 481,125; published May 22, 1945. Class 36.

Quaker Chemical Products Corporation, Conshohocken, Pa. Solvent cleanser detergent. 415,407; Aug. 7; Serial No. 479,398; published May 8, 1945. Class 4.

Quaker Chemical Products Corporation, Conshohocken, Pa. Chemicals used for the fulling and felting of textile fabrics. 415,414; Aug. 7; Serial No. 479,596; published May 15, 1945. Class 6.

Quaker Handkerchief Co., New York, N. Y. Handkerchiefs. 415,553; Aug. 7; Serial No. 479,900; published May 15, 1945. Class 39.

Quality Screw Machine Products, Chicago, Ill. Roller pins, shoulder pins, set screws, etc. 415,576; Aug. 7. Class 13.

R. & S. Mfg. Co., Brooklyn, N. Y. Toy holsters. 415,523; Aug. 7; Serial No. 477,953; published May 22, 1945. Class 22.

Rail Welding & Bonding Company, Cleveland, Ohio, by change of name to Una Welding, Inc. Welding rods. 204,299; renewed Oct. 13, 1945. O. G. Aug. 7. Class 14.

Rampel Chemical Co.: *See*—
Rampel, Leo J.

Rampel, Leo J., doing business as Rampel Chemical Co., Mount Vernon, N. Y. Anti-mildew agent. 415,430; Aug. 7; Serial No. 479,988; published May 15, 1945. Class 6.

Rappaport, Sol, Elmhurst, N. Y. Vapor inhalant. 415,436; Aug. 7; Serial No. 480,119; published May 15, 1945. Class 6.

Red Fox Ginger Ale Co., Providence, R. I. Non-alcoholic, non-cereal, maltless beverages. 415,464; Aug. 7. Class 45.

Register and Tribune Company, The, Des Moines, Iowa. Weekly column of a regularly issued daily newspaper. 415,557; Aug. 7; Serial No. 480,120; published May 8, 1945. Class 38.

Renoir Parfums, Ltd., New York, N. Y. Toilet soap. 415,363; Aug. 7; Serial No. 478,189; published May 1, 1945. Class 4.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Rex Cutlery Corporation, Irvington, N. J. Household scissors, sewing scissors, pocket scissors, etc. 415,537; Aug. 7; Serial No. 478,974; published May 22, 1945. Class 23.

Rich, Ivor, New York, N. Y. Toilet soaps. 415,388; Aug. 7; Serial No. 478,903; published May 1, 1945. Class 4.

Riggs, Ida M., Paris, Ky. Certain medicinal preparations adapted for human and animal use. 415,475; Aug. 7. Class 6.

Riverside Metal Company, The: *See*—
Keystone Watch Case Co., The, assignor.
Philadelphia Watch Case Co., assignor.

Rocket Products Company, Clayton, Mo. Insecticides. 415,399; Aug. 7; Serial No. 479,050; published May 15, 1945. Class 6.

Roddis Lumber and Veneer Co., Marshfield, Wis. Wooden doors. 415,451; Aug. 7; Serial No. 481,246; published May 15, 1945. Class 12.

Romier Products Co.: *See*—
Miers, Robert.

Rothberg-Gross, Inc., New York, N. Y. Ladies', Misses', and children's handbags and purses. 415,449; Aug. 7; Serial No. 481,084; published May 15, 1945. Class 3.

Royal Liquors Company, North Bergen, N. J. Gin. 415,510; Aug. 7; Serial No. 474,553; published May 1, 1945. Class 49.

Russell Grader Manufacturing Company, Minneapolis, Minn., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road-grading machines. 197,752; renewed Apr. 21, 1945. O. G. Aug. 7. Class 23.

Saks & Company, New York, N. Y. Women's and misses' dresses and blouses, night gowns, etc. 415,377; Aug. 7; Serial No. 478,660; published May 8, 1945. Class 39.

Salter, John L., to Woodward, Baldwin and Company, New York, N. Y. Bleached, brown, and colored cotton sheetings and drillings. 46,903; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 42.

Salter, John L., to Woodward, Baldwin and Company, New York, N. Y., successor. Bleached, brown, and colored cotton sheetings and drillings. 47,028; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 42.

Sanchez & Haya Co., assignor to Gradiaz, Annis & Co., Inc., Tampa, Fla., Cigars. 44,973; re-renewed Aug. 1, 1945. O. G. Aug. 7. Class 17.

Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 415,548; Aug. 7; Serial No. 479,697; published May 15, 1945. Class 39.

Sargent, Lester L., doing business as Festival Music Company, Washington, D. C. Sheet music. 415,474; Aug. 7. Class 38.

Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, face creams, etc. 415,325; Aug. 7; Serial No. 473,617; published May 15, 1945. Class 6.

Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, etc. 415,328; Aug. 7; Serial No. 473,751; published May 15, 1945. Class 6.

Schiller-Cable Piano Manufacturing Company: *See*—
Cable Company, The, assignor.

Schulhof, William, doing business as Office Publications Company, New York, N. Y. Periodical publications. 415,561; Aug. 7; Serial No. 480,353; published May 8, 1945. Class 38.

Shadex Company, The, West Springfield, to The Shadex Company, Springfield, Mass. Paper window-shade material. 197,206; renewed Apr. 14, 1945. O. G. Aug. 7. Class 37.

Sherwin-Williams Company, The, Cleveland, Ohio. Nitrocellulose lacquers and enamels, undercoatings and thinners. 203,242; renewed Sept. 15, 1945. O. G. Aug. 7. Class 16.

Siegel Bros. Garment Corp., New York, N. Y., now by change of name Leeds Ltd. Coats, Inc. Ladies' and misses' coats and suits. 415,307; Aug. 7. Serial No. 468,542; published May 30, 1944. Class 39.

Siegel, Hochberg & Co., North Bergen, N. J. Ladies', misses', and girls' dresses, blouses, jackets, etc. 415,603; Aug. 7. Class 39.

Sigal and Berg, Chicago, Ill. Living room furniture, bedroom furniture, and dining room furniture. 415,541; Aug. 7; Serial No. 479,151; published May 22, 1945. Class 32.

Signal Electronic & Mfg. Co., New York, N. Y. Radio receiving sets, radio transmitters, electric phonographs, etc. 415,515; Aug. 7; Serial No. 475,817; published May 22, 1945. Class 21.

Simmonds Products Limited, Brentford, England. Cleaning preparation for general use. 415,324; Aug. 7; Serial No. 473,515; published May 8, 1945. Class 4.

Simon, Franklin & Co.: *See*—
Societe Worth, assignor.

Simon Millinery Company: *See*—
Simon Millinery Supply Co., assignor.

Simon Millinery Supply Co., assignor to Simon Millinery Company, San Francisco, Calif. Ladies' hats. 203,323; renewed Sept. 15, 1945. O. G. Aug. 7. Class 39.

Skelly Oil Company, Tulsa, Okla., to Skelly Oil Company, Kansas City, Mo. Natural gasoline, motor gasoline, kerosene, petroleum distillates. 203,329; renewed Sept. 15, 1945. O. G. Aug. 7. Class 15.

Smart Maid Coat Co. Inc., New York, N. Y. Girls' and misses' coats. 415,389; Aug. 7; Serial No. 478,907; published May 8, 1945. Class 39.

Smith, Hogg & Co., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blankets and bed and crib coverings. 200,556; renewed July 7, 1945. O. G. Aug. 7. Class 42.

Snyder, Dan, & Co., New York, N. Y. Misses', junior misses', girls', and children's coats, suits, leggings, and legging sets, etc. 415,550; Aug. 7; Serial No. 479,815; published May 15, 1945. Class 39.

Societe Worth, Paris, France, assignor, by mesne assignments, to Les Parfums Worth De Paris, Inc., New York, N. Y. Soaps. 196,697; renewed Mar. 24, 1945. O. G. Aug. 7. Class 4.

Societe Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., assignor, by mesne assignments, to Les Parfums Worth De Paris, Inc., New York, N. Y. Soaps. 196,736; renewed Mar. 24, 1945. O. G. Aug. 7. Class 4.

Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 415,551; Aug. 7; Serial No. 479,819; published May 15, 1945. Class 39.

Soprano Perfume Co.: *See*—
Paskin, Louis.

Southern Gypsum Company, Incorporated, North Holston, Va., assignor, by mesne assignments, to The Mathieson Alkali Works (Inc.), New York, N. Y. Gypsum and lime-gypsum plaster. 203,678; renewed Sept. 22, 1945. O. G. Aug. 7. Class 12.

Southern Gypsum Company, Incorporated, North Holston, Va., assignor, by mesne assignments, to The Mathieson Alkali Works (Inc.), New York, N. Y. Wall plasters, gypsum plaster board, and gypsum partition tile. 203,938; renewed Sept. 29, 1945. O. G. Aug. 7. Class 12.

Southern Saw Works, Inc., Atlanta, Ga. Saws. 415,593; Aug. 7. Class 23.

Southern Supply Co., Pasadena, Calif. Steam generators. 415,447; Aug. 7; Serial No. 480,719; published May 15, 1945. Class 34.

Sparks-Withington Company, The, Jackson, Mich. Electrically-operated automobile horns. 204,178; renewed Oct. 13, 1945. O. G. Aug. 7. Class 21.

Sportline, Inc., New York, N. Y. Shaving soap, shaving cream, and pre shaving lotion. 415,297; Aug. 7; Serial No. 464,831; published May 8, 1945. Class 4.

Sprague Electric Company, North Adams, Mass. Electrical condensers. 415,586; Aug. 7. Class 21.

Sproul, William W., doing business as Northland Farms, Grand Rapids, assignor to Northland Farms, Zeeland, Mich. Live chicks and eggs. 202,929; renewed Sept. 8, 1945. O. G. Aug. 7. Class 46.

Squire, Paul C., Boston, Mass., assignor to Wm. Moland's Sons, Inc., to Wm. Moland's Sons, Inc., Philadelphia, Pa. Scrapple, hams, and bacon. 197,296; renewed Apr. 14, 1945. O. G. Aug. 7. Class 46.

Star Brass Manufacturing Company, Boston, Mass. Pressure gages and indicators. 44,584; re-renewed July 11, 1945. O. G. Aug. 7. Class 26.

Star Company, assignor to The Hearst Corporation, New York, N. Y. Newspaper section. 202,973; renewed Sept. 8, 1945. O. G. Aug. 7. Class 38.

Star-Peerless Wall Paper Mills, Joliet, to Star-Peerless Wall Paper Mills, Chicago, Ill. Ready-mixed paints, varnishes, stains, etc. 204,264; renewed Oct. 13, 1945. O. G. Aug. 7. Class 16.

Star Watch Case Co., Ludington, Mich. Watchcases. 204,313; renewed Oct. 13, 1945. O. G. Aug. 7. Class 27.

Stauffer Chemical Company, San Francisco, Calif. Insecticides and fungicides. 415,400; Aug. 7; Serial No. 479,098; published May 15, 1945. Class 6.

Steele Canning Company, Springdale, Ark. Canned vegetables. 415,569; Aug. 7; Serial No. 481,166; published May 22, 1945. Class 46.

Steinam, A., Company, Inc., New York, N. Y. Piece goods of cotton, rayon, and mixtures of cotton and rayon. 415,403; Aug. 7; Serial No. 479,153; published May 8, 1945. Class 42.

Steinway & Sons, New York, N. Y. Pianos. 45,411; re-renewed Aug. 15, 1945. O. G. Aug. 7. Class 36.

Steinway & Sons, New York, N. Y. Pianos. 45,846; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 36.

Steinway & Sons, New York, N. Y. Grand pianos. 45,847; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 36.

Steinway & Sons, New York, N. Y. Upright pianos. 45,848; re-renewed Aug. 29, 1945. O. G. Aug. 7. Class 36.

Steri-Seal, Columbus, Ohio. Sanitary nipple protectors for nursing bottles. 415,292; Aug. 7; Serial No. 461,072; published May 15, 1945. Class 44.

Sterling Drug Inc.: *See*—
Energine Company, The, assignor.

Sterling Food Products, Los Angeles, Calif. Ripe dates. 415,507; Aug. 7; Serial No. 473,871; published May 22, 1945. Class 46.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 415,370; Aug. 7; Serial No. 478,478; published Apr. 24, 1945. Class 39.

Stewart Hartshorn Company: *See*—
Stewart Hartshorn Co.

Stewart Hartshorn Co., East Newark, N. J., to Stewart Hartshorn Company, New York, N. Y. Spring shade-rollers. 45,287; re-renewed Aug. 8, 1945. O. G. Aug. 7. Class 32.

Stewart Hartshorn Co., East Newark, N. J., to Stewart Hartshorn Company, New York, N. Y. Spring shade-rollers and fittings. 45,289; re-renewed Aug. 8, 1945; O. G. Aug. 7. Classes 13 and 32.

Stewart Hartshorn Co., East Newark, N. J., to Stewart Hartshorn Company, New York, N. Y. Spring shade-rollers and fittings. 46,050; re-renewed Sept. 5, 1944. O. G. Aug. 7. Classes 13 and 32.

Stewart-Warner Corporation, Chicago, Ill. Liquid fuel combustion heaters. 415,329; Aug. 7; Serial No. 474,007; published May 15, 1945. Class 34.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Cotton piece goods. 204,408; renewed Oct. 20, 1945. O. G. Aug. 7. Class 42.

Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Cotton piece goods. 204,411; renewed Oct. 20, 1945. O. G. Aug. 7. Class 42.

Stonebraker, Hal, doing business as Technicut Wood Products Co., Overland Park, Kans. Sectional shelving, filing cabinets, and filing racks. 415,390; Aug. 7; Serial No. 478,912; published May 15, 1945. Class 32.

Street & Smith Publications, Inc., New York, N. Y. Title for a column relating to shopping advice. 415,500; Aug. 7; Serial No. 472,163; published May 15, 1945. Class 38.

Stylepark Hats, Inc., Philadelphia, Pa. Women's hats. 415,393; Aug. 7; Serial No. 478,979; published Apr. 24, 1945. Class 39.

Sumco Products, Inc., New York, N. Y. Water scale removing preparation. 415,592; Aug. 7. Class 6.

Sundheim, Lennie S., Philadelphia, Pa. Hand wrought silverware. 415,342; Aug. 7; Serial No. 476,484; published May 15, 1945. Class 28.

Sweden House Bakers, Inc., Chicago, Ill. Cookies. 415,484; Aug. 7. Class 46.

Sweetwater Hosiery Mills: *See*—
Mascot Knitting Mills.

Swift and Company, Chicago, Ill. Toilet and bath soaps. 415,357; Aug. 7; Serial No. 477,750; published May 1, 1945. Class 4.

Syntron Company, Homer City, Pa. Hydraulic and pneumatic vibrators and their controls, etc. 415,309; Aug. 7; Serial No. 470,009; published May 15, 1945. Class 23.

Takk Corporation, The, Newark, Ohio. Electronic tubes. 415,421; Aug. 7; Serial No. 479,822; published May 15, 1945. Class 21.

Talon, Inc., Meadville, Pa. Slide operated fasteners. 415,418; Aug. 7; Serial No. 479,651; published May 8, 1945. Class 13.

Taylor Instrument Companies, Rochester, N. Y. Thermometers. 198,350; renewed May 12, 1945. O. G. Aug. 7. Class 26.

Taylor, Walter P., New York, N. Y. Hat pins. 415,366; Aug. 7; Serial No. 478,298; published May 15, 1945. Class 40.

Technicut Wood Products Co.: *See*—
H. Stonebraker.

Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electric generators, motors, and transformers; instrument boards, etc. 415,574; Aug. 7. Class 21.

Toby & Co. Sportswear: *See*—
Olson, Diana.

Touraine Chemical Co.: *See*—
Touraine, H. Muller.

Touraine, H. Muller, doing business as Touraine Chemical Co., New York, N. Y. Cleaning fluid and detergent preparations and compounds. 415,294; Aug. 7; Serial No. 463,715; published May 15, 1945. Class 4.

Tourneau: *See*—
Turnheim, Henry K.

Tovrea Packing Company, Phoenix, Ariz. Garden, lawn, shrub, and flower fertilizer. 415,458; Aug. 7. Class 10.

Transit Grain & Commission Co., Fort Worth, Tex. Feed concentrate. 415,305; Aug. 7; Serial No. 467,579; published Apr. 17, 1945. Class 46.

Tru Form Dress House, New York, N. Y. Ladies' dresses. 415,605; Aug. 7. Class 39.

Turner, Day and Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 201,030; renewed July 14, 1945. O. G. Aug. 7. Class 23.

Turner, Day and Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 202,788–9; renewed Sept. 1, 1945. O. G. Aug. 7. Class 23.

Turner, Day and Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 203,722; renewed Sept. 22, 1945. O. G. Aug. 7. Class 23.

Turnheim, Henry K., doing business as Tourneau, New York, N. Y. Watches. 415,287; Aug. 7; Serial No. 446,640; published May 15, 1945. Class 27.

Twin City Wholesale Grocer Co.: *See*—
Des Moines Wholesale Grocer Co., assignor.

Typatune, Inc., New York, N. Y. Toy musical instruments. 415,378; Aug. 7; Serial No. 478,667; published May 15, 1945. Class 22.

Una Welding, Inc.: *See*—
Rail Welding & Bonding Company.

United Drug Company, assignor to United-Rexall Drug Company, Boston, Mass. Rubber nursing nipples. 197,772; renewed Apr. 21, 1945. O. G. Aug. 7. Class 44.

United-Rexall Drug Company: *See*—
United Drug Company, assignor.

United States Rubber Company, New York, N. Y. Rubber thread or yarn. 415,419; Aug. 7; Serial No. 479,759; published May 8, 1945. Class 43.

United States Rubber Company, New York, N. Y. Electrical wire and cable. 415,424; Aug. 7; Serial No. 479,859; published May 15, 1945. Class 21.

Universal Match Corporation, St. Louis, Mo. Matches. 415,301; Aug. 7; Serial No. 466,660; published May 8, 1945. Class 9.

Valentine & Company, Inc.: *See*—
Valentine & Company, assignor.

Valentine & Company, assignor, by mesne assignments, to Valentine & Company, Inc., New York, N. Y. Eggshell-gloss finishing enamel. 204,293; renewed Oct. 13, 1945. O. G. Aug. 7. Class 16.

Van Pelt & Brown, Inc., Richmond, Va. Synthetic female hormone tablet. 415,422; Aug. 7; Serial No. 479,826; published May 8, 1945. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Lotion. 415,423; Aug. 7; Serial No. 479,827; published May 8, 1945. Class 6.

Van Syoc, Glenn W., doing business as The Hillmann Co., Detroit, Mich. Chemical fertilizer. 415,575; Aug. 7. Class 10.

Vanta Company, The: *See*—
Earnshaw Knitting Company.

Van Wagenen and Schickhaus Company, Newark, N. J. Sausage 197,377; renewed Apr. 14, 1945. O. G. Aug. 7. Class 46.

Van Wagenen and Schickhaus Company, Newark, N. J. Cured, sliced and boneless bacon, cured hams, and cured beef tongues. 197,959; renewed Apr. 28, 1945. O. G. Aug. 7. Class 46.

Velso Products Company, Burlington, Iowa. Soap impregnated paper. 415,405; Aug. 7; Serial No. 479,365; published May 8, 1945. Class 4.

Venasco, Inc., New York, N. Y. Venetian blind hardware and fittings. 415,528; Aug. 7; Serial No. 478,526; published May 22, 1945. Class 13.

Venus Foundation Garments, Inc., Chicago, Ill. Foundation garments. 415,381; Aug. 7; Serial No. 478,772; published May 15, 1945. Class 39.

Vesco Products Co.: *See*—
Parnes, Samuel J.

Victor Electric Products, Inc., Cincinnati, Ohio. Electrical ironing machines. 415,316; Aug. 7; Serial No. 412,916; published Mar. 6, 1945. Class 24.

Victor Electric Products, Inc., Cincinnati, Ohio. Electrical ironing machines. 415,317; Aug. 7; Serial No. 472,917; published May 1, 1945. Class 24.

Vita-Var Corporation, Newark, N. J. Synthetic resins. 415,499; Aug. 7; Serial No. 472,090; published May 22, 1945. Class 1.

Walker, Ralph J., doing business as Walker's Medical Arts Pharmacy, Newport News, Va. Medical cream for external use. 415,596; Aug. 7. Class 6.

Walker's Medical Art Pharmacy: *See*—
Walker, Ralph J.

Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Useful and ornamental articles of solid silver. 27,108; re-renewed Oct. 1, 1945. O. G. Aug. 7. Class 28.

Waltke, William, & Co., St. Louis, Mo., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap. 46,540; re-renewed Sept. 26, 1945. O. G. Aug. 7. Class 4.

Ward, Eugene B., Springfield, Mass. Arch supports. 415,554; Aug. 7; Serial No. 479,959; published May 22, 1945. Class 44.

Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Astringent and antiseptic and for suppositories. 415,321; Aug. 7; Serial No. 473,168; published May 15, 1945. Class 6.

Warren Brothers Company, Boston, to Warren Brothers Company, Cambridge, Mass. Bituminous cement or cement composition. 46,947; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 12.

Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Chemical flux composition. 415,433; Aug. 7; Serial No. 480,035; published May 15, 1945. Class 6.

Weissman Watch Co., New York, N. Y. Ladies' and men's watches. 415,491; Aug. 7; Serial No. 466,519; published May 22, 1945. Class 27.

Wentz, M. C., Co., Los Angeles, Calif. Metal figurines. 415,542; Aug. 7; Serial No. 479,218; published May 22, 1945. Class 50.

White Rock Corporation: *See*—
White Rock Mineral Spring Co., The, assignor.

White Rock Mineral Spring Co., The, Waukesha, Wis., assignor, by mesne assignments, to White Rock Corporation, New York, N. Y. Mineral waters. 45,543; re-renewed Aug. 22, 1945. O. G. Aug. 7. Class 45.

Whitlock Supply Co., The, New York, N. Y. Key blanks, keys. 415,481–2; Aug. 7. Class 25.

Whosoever Heareth: *See*—
Brannon, Clifton W.

Williams, William G., Anaheim, Calif. Board game. 415,564; Aug. 7; Serial No. 480,884; published May 22, 1945. Class 22.

Wilson, Pearl E., Santa Barbara, Calif. Blank note-books, loose leaf notebook covers, and blank tablets. 415,353; Aug. 7; Serial No. 477,387; published May 15, 1945. Class 37.

Wimelbacher & Rice, New York, N. Y. Fabric gloves. 415,359; Aug. 7; Serial No. 477,861; published May 1, 1945. Class 39.

Winkels & Fisher, Whitestone, N. Y. Liquid compound formulated from chemicals to improve the durability of leather and leather soles. 415,299; Aug. 7; Serial No. 465,518; published May 15, 1945. Class 6.

Wirth Granite Works: *See*—
Wirth, Peter.

Wirth, Peter, doing business as Wirth Granite Works, St. Cloud, Minn. Memorials. 415,543; Aug. 7; Serial No. 479,369; published May 22, 1945. Class 50.

Wisconsin Chemical Products Company, Milwaukee, Wis. Preparations used in the leather and shoe industries for cleaning, waterproofing, softening, etc. 415,382; Aug. 7; Serial No. 478,779; published May 15, 1945. Class 4.

Witt, Geo. D., Shoe Co., to Craddock-Terry Shoe Corporation, Lynchburg, Va., successor. Leather boots and shoes. 46,790; re-renewed Oct. 10, 1945. O. G. Aug. 7. Class 39.

Witt, Geo. D., Shoe Co., to Craddock-Terry Shoe Corporation, Lynchburg, Va., successor. Leather boots and shoes. 46,983; re-renewed Oct. 17, 1945. O. G. Aug. 7. Class 39.

Wittemann Company, Inc., The, Buffalo, N. Y. Brewery machinery and apparatus. 415,514; Aug. 7; Serial No. 475,787; published May 22, 1945. Class 23.

Woods, Frank Z., Chicago, Ill. Throat wafers. 415,348; Aug. 7; Serial No. 477,084; published May 15, 1945. Class 6.

Woodward, Baldwin and Company: *See*—
Salter, John L.

Woolsey, C. A., Paint & Color Co., Jersey City, N. J., assignor, by mesne assignments, to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y. Varnish. 204,123; renewed Oct. 6, 1945. O. G. Aug. 7. Class 16.

Woolsey, C. A., Paint & Color Co. Inc.: *See*—
Woolsey, C. A., Paint & Color Co., assignor.

Yankee Shoemakers, Inc., The, Newmarket, N. H. New and reconditioned leather shoes, shoe soles and heels of leather and of composition. 415,391; Aug. 7; Serial No. 478,918; published Apr. 24, 1945. Class 39.

Ziff-Davis Publishing Company, Chicago, Ill. Annual publication. 415,456; Aug. 7. Class 38.

Zobrist, J. C., Company: *See*—
Zobrist, John C.

Zobrist, John C., doing business as J. C. Zobrist Company, Charleston, W. Va. After shaving lotion. 415,438; Aug. 7; Serial No. 480,219; published May 15, 1945. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coke. New England Coal and Coke Company. 203,300; renewed Sept. 15, 1945. O. G. Aug. 7.

Leather. Griess Pfleger Tanning Company. 203,728; renewed Sept. 22, 1945. O. G. Aug. 7.

Nitrocellulose. Hercules Powder Company. 201,728–9; renewed Aug. 4, 1945. O. G. Aug. 7.

Resins, Synthetic. Vita-Var Corporation. 415,499; Aug. 7; Serial No. 472,090; published May 22, 1945.

Rosin. Hercules Powder Company. 201,825; renewed Aug. 11, 1945. O. G. Aug. 7.

Rosin. Hercules Powder Company. 201,858; renewed Aug. 11, 1945. O. G. Aug. 7.

Wax, Synthetic. T. G. Copper & Co., Inc. 415,437; Aug. 7; Serial No. 480,165; published May 15, 1945.

CLASS 2

Bags, Burlap. R. C. Hyland. 203,679; renewed Sept. 22, 1945. O. G. Aug. 7.

Cartons, Folding. Container Corporation of America. 415,465; Aug. 7.

Envelopes, Merchandise. Ivers-Lee Company. 415,571; Aug. 7; Serial No. 481,544; published May 22, 1945.

Tanks, stock water storage tanks, and grain bins, Oil storage. Butler Manufacturing Company. 415,478; Aug. 7.

CLASS 3

Handbags and purses, Ladies', misses', and children's. Rothberg-Gross. 415,449; Aug. 7; Serial No. 481,084; published May 15, 1945.

Handbags and purses, Ladies', misses', and children's. Paulette Originals, Inc. 415,563; Aug. 7; Serial No. 480,674; published May 22, 1945.

Handbags for women, Leather. Greenberg & Lobel. 415,374; Aug. 7; Serial No. 478,550; published May 15, 1945.

Handbags, Ladies' and children's. Handi Bag Co. 415,453; Aug. 7; Serial No. 481,372; published May 15, 1945.

Handbags, wallets, portfolios, etc. J. Alexander. 415,572; Aug. 7; Serial No. 481,684; published May 22, 1945.

Wallets and key cases. Forstenzer & Frank. 415,425; Aug. 7; Serial No. 479,870; published May 15, 1945.

CLASS 4

Abrasive grains and grinding wheels. American Emery Wheel Works. 204,321; renewed Oct. 13, 1945. O. G. Aug. 7.

Cleaner in powdered form. Diversey Corporation. 415,580; Aug. 7.

Cleaner, Silverware. Earl Products Company. 415,293; Aug. 7; Serial No. 462,551; published Feb. 1, 1944.

Cleaning fluid and detergent preparations and compounds. H. M. Touraine. 415,294; Aug. 7; Serial No. 463,715; published May 15, 1945.

Cleaning preparation for general use. Simmonds Products Limited. 415,324; Aug. 7; Serial No. 473,515; published May 8, 1945.

Detergent, Solvent cleanser. Quaker Chemical Products Corporation. 415,407; Aug. 7; Serial No. 479,398; published May 8, 1945.

Dressings and shoe polishes, Shoe. Evangeline Products, Inc. 415,415; Aug. 7; Serial No. 479,617; published May 15, 1945.

Paper, Soap impregnated. Velso Products Company. 415,405; Aug. 7; Serial No. 479,365; published May 8, 1945.

Preparations used in the leather and shoe industries for cleaning, waterproofing, softening, etc. Wisconsin Chemical Products Company. 415,382; Aug. 7; Serial No. 478,779; published May 15, 1945.

Soap. Globe Soap Company. 202,722–3; renewed Sept. 1, 1945. O. G. Aug. 7.

Soap. Renoir Parfums, Ltd. 415,363; Aug. 7; Serial No. 478,189; published May 1, 1945.

Soap. William Waltke & Co. 46,540; re-renewed Sept. 26, 1945. O. G. Aug. 7.

Soap and shaving cream, Toilet. M. De Tuvaché. 415,373; Aug. 7; Serial No. 478,540; published May 1, 1945.

Soap flakes. Globe Soap Company. 202,012; renewed Aug. 11, 1945. O. G. Aug. 7.

Soap, Laundry. J. G. Haas Soap Co. 45,427; re-renewed Aug. 15, 1945. O. G. Aug. 7.

Soap, Powdered hand. Chemical Corporation. 415,469; Aug. 7.

Soap, shaving cream, and pre-shaving lotion, Shaving. Sportline, Inc. 415,297; Aug. 7; Serial No. 464,831; published May 8, 1945.

Soap, Toilet. Colgate-Palmolive-Peet Company. 415,394; Aug. 7; Serial No. 479,031; published May 1, 1945.

Soaps. Societe Worth. 196,697; renewed Mar. 24, 1945. O. G. Aug. 7.

Soaps. Societe Worth. 196,736; renewed Mar. 24, 1945. O. G. Aug. 7.

Soaps, albumen soaps, and cleaning liquors, etc. Chemische Fabrick Grünau Landshoff & Meyer Aktiengesellschaft. 197,286; renewed Apr. 14, 1945. O. G. Aug. 7.

Soaps, Toilet. I. Rich. 415,388; Aug. 7; Serial No. 478,903; published May 1, 1945.

Soaps, Toilet. Les Parfums De Dana, Inc. 415,416; Aug. 7; Serial No. 479,628; published May 15, 1945.

Soaps, Toilet and bath. Swift and Company. 415,357; Aug. 7; Serial No. 477,750; published May 1, 1945.

Steel wool. Brillo Manufacturing Company, Inc. 200,774; renewed July 7, 1945. O. G. Aug. 7.

CLASS 5

Adhesive rubber. Commercial Paste Company. 197,405; renewed Apr. 14, 1945. O. G. Aug. 7.

Cement, Linoleum. Certain-teed Products Corporation. 198,779; renewed May 26, 1945. O. G. Aug. 7.

CLASS 6

Agent, Anti-mildew. L. J. Rampel. 415,430; Aug. 7; Serial No. 479,988; published May 15, 1945.

Antimony compound. Parke, Davis & Company. 415,428; Aug. 7; Serial No. 479,984; published May 8, 1945.

Anti-perspirant and deodorant cream. Lambert Pharmacal Company. 415,439; Aug. 7; Serial No. 480,418; published May 8, 1945.

Astringent and antiseptic and for suppositories. William R. Warner & Co., Inc. 415,321; Aug. 7; Serial No. 473,168; published May 15, 1945.
Baking-soda, saleratus, and baking-powder. Church & Dwight Company. 46,901; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Brazing compound. Castyrone Manufacturing Corp. 415,352; Aug. 7; Serial No. 477,257; published May 8, 1945.
Chemical compound useful as a vasoconstrictor. E. Bilhuber Inc. 415,440–1; Aug. 7; Serial Nos. 480,436–7; published May 15, 1945.
Chemical flux composition. R. D. Wasserman. 415,433; Aug. 7; Serial No. 480,035; published May 15, 1945.
Chemical substances. British Drug Houses, Limited, and Hopkins & Williams, Limited. 415,383; Aug. 7; Serial No. 478,780; published May 15, 1945.
Chemicals and insecticides. Central Chemical Corporation of Maryland. 415,402; Aug. 7; Serial No. 479,109; published May 15, 1945.
Chemicals used for the fulling and felting of textile fabrics. Quaker Chemical Products Corporation. 415,414; Aug. 7; Serial No. 479,596; published May 15, 1945.
Cologne and after shave lotion. H. Jacobs. 415,386; Aug. 7; Serial No. 478,875; published May 8, 1945.
Cologne, toilet water, talcum powder, etc. M. De Tuvaché. 415,355; Aug. 7; Serial No. 477,548; published May 8, 1945.
Compound, Mineral and vitamin. Michigan Fertilizer Company. 415,459; Aug. 7.
Compound of karaya, cascara, senna and buckthorn with phenolphthalein for human consumption. Continental Pharmaceutical Corporation. 415,395; Aug. 7; Serial No. 479,032; published May 15, 1945.
Cream, Cold. Lambert Pharmacal Company. 203,366; renewed Sept. 17, 1945. O. G. Aug. 7.
Cream, dental cream, and talcum powder, Hair. Oil & Chemical Products, Inc. 415,588; Aug. 7.
Cream, Medical. R. J. Walker. 415,596; Aug. 7.
Cream of tartar, saleratus, soda, etc. John Bird Company. 201,659; renewed Aug. 4, 1945. O. G. Aug. 7.
Cream or lotion for the skin, Toilet. Davies, Rose & Company, Limited. 198,185; renewed May 5, 1945. O. G. Aug. 7.
Creams, Depilatory. M. B. Maccabee. 415,314; Aug. 7; Serial No. 471,807; published May 8, 1945.
Dyes. Monroe Drug Company. 200,425; renewed June 30, 1945. O. G. Aug. 7.
Eau de cologne. Countess Mara Incorporated. 415,462; Aug 7.
Fluid, Hydraulic brake. Chicago Hydraulic Oil Co. 415,460; Aug. 7.
Fluid, Hydraulic brake. W. H. Bone. 415,468; Aug. 7.
Food, Poisonous rat and mice food. R. Miers. 415,466; Aug. 7.
Fumigating compounds, refrigerants, food preserving chemicals, etc. Pittsberg Chemical Co. 415,298; Aug. 7; Serial No. 464,926; published May 8, 1945.
Gargle. Brunswig Drug Company. 415,343; Aug. 7; Serial No. 476,657; published May 8, 1945.
Hormone tablet, Synthetic female. Van Pelt & Brown, Inc. 415,422; Aug. 7; Serial No. 479,826; published May 8, 1945.
Inhalent, Vapor. S. Rappaport. 415,436; Aug. 7; Serial No. 480,119; published May 15, 1945.
Injections for correcting calcium deficiency, Intravenous or intramuscular. Cole Chemical Company. 415,379; Aug. 7; Serial No. 478,702; published May 15, 1945.
Insecticides. Rocket Products Company. 415,399; Aug. 7; Serial No. 479,050; published May 15, 1945.
Insecticides. Morton Manufacturing Corporation. 415,470; Aug. 7.
Insecticides and fungicides. Stauffer Chemical Company. 415,400; Aug. 7; Serial No. 479,098; published May 15, 1945.
Lipstick and rouge. Henri Bendel, Inc. 415,401; Aug. 7; Serial No. 479,106; published May 8, 1945.
Liquid compound formulated from chemicals to improve the durability of leather and leather soles. Winkels & Fischer. 415,299; Aug. 7; Serial No. 465,518; published May 15, 1945.
Liquid preparation. J. Fleck. 415,431; Aug. 7; Serial No. 480,014; published May 8, 1945.
Lotion. Van Pelt & Brown, Inc. 415,423; Aug. 7; Serial No. 479,827; published May 8, 1945.
Lotion, After shave. Parfumerie Casella. 415,420; Aug. 7; Serial No. 479,897; published May 8, 1945.
Lotion, After shaving. J. C. Zobrist. 415,438; Aug. 7; Serial No. 480,219; published May 15, 1945.
Lotion, hair-end cream, etc., Permanent wave. L. Napolitan. 415,581; Aug. 7.
Lye and potash. Champion Chemical Works. 45,040; renewed Aug. 1, 1945. O. G. Aug. 7.
Lye, Powdered. Champion Chemical Works. 45,041; renewed Aug. 1, 1945. O. G. Aug. 7.
Medicinal preparation. Hoffman-La Roche, Inc. 415,308; Aug. 7; Serial No. 469,398; published July 11, 1944.
Medicinal preparation, Certain. I. M. Riggs. 415,475; Aug. 7.
Medicinal preparation for internal use. W. L. Hirsch. 415,337; Aug. 7; Serial No. 475,363; published May 8, 1945.
Medicinal preparations, Antiseptic. Lambert Pharmacal Co. 45,682; re-renewed Aug. 29, 1945. O. G. Aug. 7.
Medicine for diseases of the stomach and bowels, Antiseptic. G. M. Gordon. 198,742; renewed May 26, 1945. O. G. Aug. 7.
Oil, Medicated dip. Automatic Equipment Manufacturing Co. 415,471; Aug. 7.
Oils suitable for perfumery purposes, Essential. Heine & Co. 204,250–2; renewed Oct. 13, 1945. O. G. Aug. 7.
Ointment in the nature of a counterirritant. M. B. Boyd. 415,291; Aug. 7; Serial No. 460,789; published May 9, 1944.
Perfume and toilet water and cologne. Dorelis, Inc. 415,331; Aug. 7; Serial No. 474,397; published May 8, 1945.
Perfumery. F. Hoyt & Company, Limited. 46,216; re-renewed Sept. 12, 1945. O. G. Aug. 7.
Perfumes. J. A. Hunter. 415,323; Aug. 7; Serial No. 473,505; published May 15, 1945.
Perfumes and toilet water. Arrow Laboratories Inc. 415,409; Aug. 7; Serial No. 479,547; published May 15, 1945.
Perfumes, colognes, toilet waters, etc. A. A. Flaster. 415,590; Aug. 7.
Perfumes, face powder, talcum powder, etc. Ludwig Scherk, Inc. 415,325; Aug. 7; Serial No. 473,617; published May 15, 1945.
Perfumes, perfume extracts, toilet water, face powder, etc. Les Parfums D'Isabey Inc. 415,315; Aug. 7; Serial No. 471,091; published May 15, 1945.
Perfumes, face powder, talcum powder, etc. Ludwig Scherk, Inc. 415,328; Aug. 7; Serial No. 473,751; published May 15, 1945.
Perfumes, toilet waters, cold creams, etc. L. Paskin. 415,380; Aug. 7; Serial No. 478,759; published May 15, 1945.
Pine bath preparations. H. H. Masie. 415,336; Aug. 7; Serial No. 475,214; published May 15, 1945.
Potash or lye. A. Mendleson & Sons. 26,908; re-renewed Aug. 6, 1945. O. G. Aug. 7.
Powder, Bleaching. Monroe Drug Company. 198,888; renewed May 26, 1945. O. G. Aug. 7.
Powder, toilet water, bath salts and talcum powder, Dusting. Parfait, Incorporated. 415,387; Aug. 7; Serial No. 478,893; published May 15, 1945.
Preparation applied to the skin and the scalp. The Benet Drug Corporation. 415,479; Aug. 7.
Preparation containing per fluid ounce 16 grains of terpin hydrate. Irwin, Neisler & Co. 415,412; Aug. 7; Serial No. 479,571; published May 15, 1945.
Preparation containing sodium taurocholate and sodium glycocholate. Irwin, Neisler & Co. 415,411; Aug. 7; Serial No. 479,570; published May 15, 1945.
Preparation for testing for acidity and alkalinity. Merck & Co., Inc. 415,318; Aug. 7; Serial No. 472,959; published May 8, 1945.
Preparation for use in the prevention and control of coccidiosis in poultry. Moorman Manufacturing Company. 415,341; Aug. 7; Serial No. 476,111; published May 15, 1945.
Preparation of peptonates of iron and manganese. M. J. Breitenbach Co. 415,322; Aug. 7; Serial No. 473,497; published May 8, 1945.
Preparations adapted and intended for use in waving or curling hair, etc. Lanoil System Ltd. 200,234; renewed June 30, 1945. O. G. Aug. 7.
Sal-soda. Church & Dwight Company. 46,902; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Salts, Various types of. Metalsalts Corporation. 415,312; Aug. 7; Serial No. 470,540; published May 8, 1945.
Salve. M. Kastrin. 415,362; Aug. 7; Serial No. 478,158; published May 8, 1945.
Salve, Medicinal. R. O'Shaughnessy. 415,398; Aug. 7; Serial No. 479,046; published May 8, 1945.
Scale removing preparation, Water. Sumco Products, Inc. 415,592; Aug. 7.
Shampoo preparation, Liquid. K. Daumit. 415,476; Aug. 7.
Solution for parenteral administration. Hospital Liquids, Inc. 415,332; Aug. 7; Serial No. 474,664; published Feb. 6, 1945.
Starch. J. C. Hubinger Bros. Co. 26,882; re-renewed July 30, 1945. O. G. Aug. 7.
Tea, Digestive. A. A. Abshire. 415,434; Aug. 7; Serial No. 480,096; published May 8, 1945.
Vanity cases. Fuller Brush Company. 202,196; renewed Aug. 18, 1945. O. G. Aug. 7.
Vitamin B complex preparation. Lederle Laboratories, Inc. 415,408; Aug. 7; Serial No. 479,520; published May 15, 1945.
Vitamin combination. Parke, Davis & Company. 415,429; Aug. 7; Serial No. 479,985; published May 8, 1945.
Vitamin tablets. A. H. Finley. 415,304; Aug. 7; Serial No. 467,026; published May 8, 1945.
Vitamins in dosage form, Multiple. American Home Products Corporation. 415,334; Aug. 7; Serial No. 475,180; published May 15, 1945.
Wafer, Digestive. A. A. Abshire. 415,435; Aug. 7; Serial No. 480,097; published May 15, 1945.

Wafers, Throat. F. Z. Woods. 415,348; Aug. 7; Serial No. 477,084; published May 15, 1945.
Wax combinations. Lamont-Reed Corporation. 415,335; Aug. 7; Serial No. 475,210; published May 8, 1945.

CLASS 7

Twine. L. Hyman & Sons. 200,413; renewed June 30, 1945. O. G. Aug. 7.
Wire rope. American Cable Company, Inc. 200,586; renewed July 7, 1945. O. G. Aug. 7.

CLASS 8

Pouches, Tobacco. Dover Hall Co., Inc. 415,584; Aug. 7.

CLASS 9

Matches. Universal Match Corporation. 415,301; Aug. 7; Serial No. 466,660; published May 8, 1945.

CLASS 10

Fertilizer, Chemical. G. W. Van Syoc. 415,575; Aug. 7.
Fertilizer, Garden, lawn, shrub, and flower. Tovrea Packing Company. 415,458; Aug. 7.
Muriate of potash Potash Company of America. 415,392; Aug. 7; Serial No. 478,930; published May 15, 1945.

CLASS 11

Ink, Indelible. National Marking Machine Company. 415,372; Aug. 7; Serial No. 478,516; published Apr. 17, 1945.
Ink thinner. National Marking Machine Company. 415,371; Aug. 7; Serial No. 478,515; published May 8, 1945.

CLASS 12

Brick, Fire. Harbison-Walker Refractories Company. 415,351; Aug. 7; Serial No. 477,193; published May 15, 1945.
Brick, Standard refractory. General Refractories Company. 415,303; Aug. 7; Serial No. 466,893; published May 15, 1945.
Building and structural parts thereof, Prefabricated. PIIC Housing Corporation. 415,417; Aug. 7; Serial No. 479,639; published May 15, 1945.
Cement and bricks, Refractory. Laclede-Christy Clay Products Company. 201,965; renewed Aug. 11, 1945. O. G. Aug. 7.
Cement or cement composition, Bituminous. Warren Brothers Company. 46,947; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Doors, Wooden. Roddis Lumber and Veneer Co. 415,451; Aug. 7; Serial No. 481,246; published May 15, 1945.
Plaster, Gypsum and lime-gypsum. Southern Gypsum Company, Incorporated. 203,678; renewed Sept. 22, 1945. O. G. Aug. 7.
Plasters, gypsum plaster board, and gypsum partition tile, Wall. Southern Gypsum Company, Incorporated. 203,938; renewed Sept. 29, 1945. O. G. Aug. 7.
Powder consisting essentially of calcium hydroxide and a complex mixture of proteoses, peptones and amino acids. Diamond Springs Lime Company. 415,302; Aug. 7; Serial No. 466,831; published May 15, 1945.

CLASS 13

Attachments and fittings for wire rope. American Cable Company, Inc. 202,043; renewed Aug. 11, 1945. O. G. Aug. 7.
Bathtubs, Babies' folding. R. C. Lewis. 415,413; Aug. 7; Serial No. 479,582; published May 8, 1945.
Blocks and conduit supporting clips, Conduit supporting. Adel Precision Products Corp. 415,504; Aug. 7; Serial No. 473,759; published May 22, 1945.
Door handles. C. Blum. 415,338; Aug. 7; Serial No. 475,718; published May 8, 1945.
Fasteners, Slide operated. Talon, Inc. 415,418; Aug. 7; Serial No. 479,651; published May 8, 1945.
Hardware Packing Products Company. 415,497; Aug. 7; 471,617; published May 22, 1945.
Hardware and fittings, Venetian blind. Venasco, Inc. 415,528; Aug. 7; Serial No. 478,526; published May 22, 1945.
Nails provided with a nonmetallic coating. J. C. Pearson Co. 45,458–9; re-renewed Aug. 22, 1945. O. G. Aug. 7.
Needles, pins and tipping wire for constituting the parts which are called the "Needles" of needle valves. E. J. Ovington. 415,290; Aug. 7; Serial No. 458,897; published May 8, 1945.
Pins, shoulder pins, set screws, etc., Roller. Quality Screw Machine Products. 415,576; Aug. 7.
Pipe, Ferrous metal. Electric Steel Foundry. 415,595; Aug. 7.
Screw and washer unit fastenings, Machine. New England Screw Co. 415,404; Aug. 7; Serial No. 479,297; published May 15, 1945.
Shade-rollers and fittings, Spring. Stewart Hartshorn Co. 45,289; re-renewed Aug. 8, 1945. O. G. Aug. 7.
Shade-rollers and fittings, Spring. Stewart Hartshorn Co. 46,050; re-renewed Sept. 5, 1945. O. G. Aug. 7.
Traps, valves, low pressure automatic boiler feeders, etc. W. D. Cashin Co. 204,223; renewed Oct. 13, 1945. O. G. Aug. 7.
Tubing, Electric welded. Babcock & Wilcox Tube Company. 415,310; Aug. 7; Serial No. 470,133; published May 8, 1945.
Valves, Pressure flood control. C. B. Hunt & Co. 415,527; Aug. 7; Serial No. 478,389; published May 22, 1945.

CLASS 14

Welding rods. Rail Welding & Bonding Company. 204,299; renewed Oct. 13, 1945. O. G. Aug. 7.

CLASS 15

Fuels for automobiles, Liquid hydrocarbon. Energine Company. 46,575; re-renewed Sept. 26, 1945. O. G. Aug. 7.
Gasoline, motor gasoline, kerosene, petroleum, distillates, Natural. Skelly Oil Company. 203,329; renewed Sept. 15, 1945 O. G. Aug. 7.
Lubricants for moulds. G. M. Manufacturing Co. 415,546; Aug. 7; Serial No. 479,386; published May 8, 1945.
Oil, Fuel. W. J. Keenan. 415,607; Aug. 7.

CLASS 16

Cleaner and polish, Liquid. L. O. Kerkow. 204,319; renewed Oct. 13, 1945. O. G. Aug. 7.
Enamel, Eggshell-gloss finishing. Valentine & Company. 204,293; renewed Oct. 13, 1945. O. G. Aug. 7.
Lacquer Egyptian Manufacturing Company. 204,118–22; renewed Oct. 6, 1945. O. G. Aug. 7.
Lacquers and enamels, and undercoatings and thinners, Nitrocellulose. Sherwin-Williams Company. 203,242; renewed Sept. 15, 1945. O. G. Aug. 7.
Paint, Paste. Buckeye Paint & Varnish Company. 203,418; renewed Sept. 15, 1945. O. G. Aug. 7.
Paints, varnishes, floor waxes, etc., Mixed. Certain-teed Products Corporation. 198,327; renewed May 12, 1945. O. G. Aug. 7.
Paints, varnishes, stains, etc., Ready-mixed. Star-Peerless Wall Paper Mills. 204,264; renewed Oct. 13, 1945. O. G. Aug. 7.
Pigments, Paint. Lowe Bros. Co. 47,016; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Varnish. C. A. Woolsey Paint & Color Co. 204,123; renewed Oct. 6, 1945. O. G. Aug. 7.

CLASS 17

Cigars. Sanchez & Haya Co. 44,973; re-renewed Aug. 1, 1945. O. G. Aug. 7.
Cigars. R. J. McBride. 415,558; Aug. 7; Serial No. 480,250; published May 22, 1945.

CLASS 19

Brake control devices. Budd Wheel Company. 415,487; Aug. 7; Serial No. 456,998; published May 22, 1945.
Brake shoes. American Brake Shoe & Foundry Company. 204,106; renewed Oct. 6, 1945. O. G. Aug. 7.

CLASS 21

Apparatus for producing high frequency electric currents and high frequency electric and magnetic fields and apparatus for utilizing such currents and fields in the heating or other treatment of materials. Girdler Corporation, The. 415,490; Aug. 7; Serial No. 462,643; published Oct. 17, 1944.
Condensers, Electrical. Sprague Electric Company. 415,586; Aug. 7.
Cords, Retractable extension. Cordage, Incorporated. 415,518–19; Aug. 7; Serial Nos. 477,148–9; published May 22, 1945.
Electrodes. Johnston & Jennings Company. 415,525; Aug. 7; Serial No. 478,052; published May 22, 1945.
Generators, Electronic high-frequency heat. Aero-Crafts Corporation. 415,496; Aug. 7; Serial No. 471,176; published May 22, 1945.
Generators, motors, and transformers; instrument boards, etc., Electric. Telefonaktiebolaget L. M. Ericsson. 415,574; Aug. 7.
Horns, Electrically-operated automobile. Sparks-Withington Company. 204,178; renewed Oct. 13, 1945. O. G. Aug. 7.
Hedge trimmers, Electric. L. J. Kaufman Mfg. Co. 415,333; Aug. 7; Serial No. 474,855; published May 15, 1945.
Laundry irons and for electric motors, Electric. Eureka Vacuum Cleaner Company. 415,347; Aug. 7; Serial No. 477,061; published May 15, 1945.
Lighting fixtures and parts thereof, Fluorescent. Day-Brite Lighting, Inc. 415,330; Aug. 7; Serial No. 474,070; published May 15, 1945.
Radio receiving sets, radio transmitters, electric phonograph, etc. Signal Electronic & Mfg. Co. 415,515; Aug. 7; Serial No. 475,817; published May 22, 1945.
Radio signaling apparatus and parts thereof. Central Radio Laboratories. 204,006; renewed Oct. 6, 1945. O. G. Aug. 7.
Radio tubes. Hytron Corporation. 415,432; Aug. 7; Serial No. 480,021; published May 15, 1945.

Transmission and receiving communication sets, Electrical ship telegraph. Durkee Marine Products Corporation. 415,313; Aug. 7; Serial No. 470,563; published May 15, 1945.
Tubes, Electronic. Takk Corporation. 415,421; Aug. 7; Serial No. 479,822; published May 15, 1945.
Wire and cable, Electrical. United States Rubber Company. 415,424; Aug. 7; Serial No. 479,859; published May 15, 1945.

CLASS 22

Bags, Bowling ball. Hettrick Manufacturing Company. 415,506; Aug. 7; Serial No. 473,818; published May 22, 1945.
Dolls, dolls' clothes, board games, etc. J. Alexander. 415,573; Aug. 7; Serial No. 481,685; published May 22, 1945.
Game, Board. W. G. Williams. 415,564; Aug. 7; Serial No. 480,884; published May 22, 1945.
Game device, Question and answer ouija. L. Fuchs. 415,420; Aug. 7; Serial No. 479,791; published May 15, 1945.
Toy holsters. R. & S. Mfg. Co. 415,523; Aug. 7; Serial No. 477,953; published May 22, 1945.
Toy musical instruments Typatune, Inc. 415,378; Aug. 7; Serial No. 478,667; published May 15, 1945.

CLASS 23

Drill head. W. F. Damrau. 415,296; Aug. 7; Serial No. 464,080; published Mar. 28, 1944.
Grinders, power chain saws, saw setters, etc., Saw. Jockey Grinder Limited. 415,503; Aug. 7; Serial No. 473,382; published May 22, 1945.
Handles, Wooden tool. Turner, Day and Woolworth Handle Company. 201,030; renewed July 14, 1945. O. G. Aug. 7.
Handles, Wooden tool. Turner, Day and Woolworth Handle Company. 202,788–9; renewed Sept. 1, 1945. O. G. Aug. 7.
Handles, Wooden tool. Turner, Day and Woolworth Handle Company. 203,722; renewed Sept. 22, 1945. O. G. Aug. 7.
Machinery. Authorite Corporation. 415,345; Aug. 7; Serial No. 476,898; published May 15, 1945.
Machinery and apparatus, Brewery. Wittemann Company, Inc. 415,514; Aug. 7; Serial No. 475,787; published May 22, 1945.
Mowers, Lawn. Great States Corporation. 415,492; Aug. 7; Serial No. 467,452; published May 22, 1945.
Mufflers and tail pipes. McCord Corporation. 415,600; Aug. 7.
Pumps, hydraulic presses, hydraulic control valves, etc., Hydraulic. Hydro-Power Systems, Incorporated. 415,454; Aug. 7.
Road-grading machines. Russell Grader Manufacturing Company. 197,752; renewed Apr. 21, 1945. O. G. Aug. 7.
Saws. Southern Saw Works, Inc. 415,593; Aug. 7.
Scissors, sewing scissors, pocket scissors, etc., Household. Rex Cutlery Corporation. 415,537; Aug. 7; Serial No. 478,974; published May 22, 1945.
Scoops and filters, Combination. Heath Company. 415,520; Aug. 7; Serial No. 477,194; published May 22, 1945.
Tire vulcanizing machines. Den-Nap Electric Mold Co. 415,349; Aug. 7; Serial No. 477,100; published May 15, 1945.
Tools and jewelers' dies, Jewelers'. F. M. Moriarty. 415,524; Aug. 7; Serial No. 478,012; published May 22, 1945.
Tools and parts of tools. Fansteel Metallurgical Corporation. 415,427; Aug. 7; Serial No. 479,971; published May 15, 1945.
Tools, Metal cutting machine. General Aircraft Equipment, Inc. 415,505; Aug. 7; Serial No. 473,811; published May 22, 1945.
Vibrators and their controls, etc., Hydraulic and pneumatic. Syntron Company. 415,309; Aug. 7; Serial No. 470,009; published May 15, 1945.
Wheels, Sprocket. Link-Belt Company. 204,153; renewed Oct. 6, 1945. O. G. Aug. 7.

CLASS 24

Electrical ironing machine. Victor Electric Products, Inc. 415,316; Aug. 7; Serial No. 472,916; published Mar. 6, 1945.
Electrical ironing machine. Victor Electric Products, Inc. 415,317; Aug. 7; Serial No. 472,917; published May 1, 1945.
Washing machine parts, Laundry. S. J. Parnes. 415,350; Aug. 7; Serial No. 477,118; published May 15, 1945.
Washing machines, Clothes. Burkaw Electric Co. 415,367; Aug. 7; Serial No. 478,307; published May 8, 1945.

CLASS 25

Key blanks, keys. Whitlock Supply Co. 415,481–2; Aug. 7.

CLASS 26

Gages and indicators, Pressure. Star Brass Manufacturing Company. 44,584; re-renewed July 11, 1945. O. G. Aug. 7.
Gauges, plug gauges, plug thread gauges, etc., Dial indicator. Premier Precision Manufacturing Corp. 415,560; Aug. 7; Serial No. 480,347; published May 15, 1945.
Lenses and lens assemblies, Photographic. Argus, Incorporated. 415,570; Aug. 7; Serial No. 481,398; published May 22, 1945.
Monocular viewers, Hand. Kimac Company. 415,526; Aug. 7; Serial No. 478,281; published May 15, 1945.
Thermometers. Taylor Instrument Companies. 198,350; renewed May 12, 1945. O. G. Aug. 7.

CLASS 27

Horological instruments. Post Watch Co. 415,599; Aug. 7.
Watchcases. Star Watch Case Co. 204,313; renewed Oct. 13, 1945. O. G. Aug. 7.
Watches. H. K. Turnheim. 415,287; Aug. 7; Serial No. 446,640; published May 15, 1945.
Watches and watch movements therefor. A. Blumstein. 415,555; Aug. 7; Serial No. 480,043; published May 22, 1945.
Watches, Ladies' and men's. Weissman Watch Co. 415,491; Aug. 7; Serial No. 466,519; published May 22, 1945.
Watches, watchcases, and watch movements. Keystone Watch Case Co. 44,604–5; re-renewed July 18, 1945. O. G. Aug. 7.
Watches, watchcases, and watch movements. Keystone Watch Case Co. 44,607; re-renewed July 18, 1945. O. G. Aug. 7.
Watches, watchcases and watch movements. Keystone Watch Case Co. 45,834; re-renewed Aug. 29, 1945. O. G. Aug. 7.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 200,376; renewed June 30, 1945. O. G. Aug. 7.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 45,402; re-renewed Aug. 15, 1945. O. G. Aug. 7.
Watches, watch cases, and watch movements. Philadelphia Watch Case Co. 45,406; re-renewed Aug. 15, 1945. O. G. Aug. 7.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 45,841; re-renewed Aug. 29, 1945. O. G. Aug. 7.

CLASS 28

Charms, bracelets, rings, etc. A. Bachman. 415,534; Aug. 7; Serial No. 478,848; published May 22, 1945.
Jewelry made of precious metal. Krementz & Company. 204,226; renewed Oct. 13, 1945. O. G. Aug. 7.
Silver, Useful and ornamental articles of solid. R. Wallace & Sons Manufacturing Company. 27,108; re-renewed Oct. 1, 1945. O. G. Aug. 7.
Silverware, Hand wrought. L. S. Sundheim. 415,342; Aug 7; Serial No. 476,484; published May 15, 1945.

CLASS 29

Brushes. Samuel M. Dell & Company. 199,147; renewed June 2, 1945. O. G. Aug. 7.

CLASS 31

Oil filter cartridges. Automotive Utilities Co. 415,448; Aug. 7; Serial No. 480,975; published May 15, 1945.

CLASS 32

Furniture, bedroom furniture, and dining room furniture, Living room. Sigal and Berg. 415,541; Aug. 7; Serial No. 479,151; published May 22, 1945.
Furniture, Household. Camden Furniture Company. 415,582–3; Aug. 7.
Mirrors. Chesler Glass Co. 415,368; Aug. 7; Serial No. 478,308; published May 15, 1945.
Shade-rollers and fittings, Spring. Stewart Hartshorn Co. 45,289; re-renewed Aug. 8, 1945. O. G. Aug. 7.
Shade-rollers and fittings, Spring. Stewart Hartshorn Co. 46,050; re-renewed Sept. 5, 1945. O. G. Aug. 7.
Shade-rollers, Spring. Stewart Hartshorn Co. 45,287; re-renewed Aug. 8, 1945. O. G. Aug. 7.
Shelving, filing cabinets, and filing racks, Sectional. H. Stonebraker. 415,390; Aug. 7; Serial No. 478,912; published May 15, 1945.
Table tops. Enamel Products Company. 415,375; Aug. 7; Serial No. 478,575; published May 15, 1945.

CLASS 33

Bottles and vials, Glass. Glass Industries, Inc. 415,397; Aug. 7; Serial No. 479,035; published May 15, 1945.

CLASS 34

Air conditioners, air conditioning ducts, etc. Philco Corporation. 415,320; Aug. 7; Serial No. 473,121; published May 15, 1945.
Food warmers, Solid and fluid burning. Food Conveyors Limited. 415,295; Aug. 7; Serial No. 463,901; published May 15, 1945.
Generating units, and parts thereof, Fluid fuel burning steam and hot water. Orr and Sembower, Inc. 415,319; Aug. 7; Serial No. 473,072; published May 1, 1945.

Generators, Steam. Southern Supply Co. 415,447; Aug. 7; Serial No. 480,719; published May 15, 1945.
Heaters, Liquid fuel combustion. Stewart-Warner Corporation. 415,329; Aug. 7; Serial No. 474,007; published May 15, 1945.
Pyrophoric device, Hand and table. Globe Instrument Company, Inc. 415,598; Aug. 7.
Stoves, combination coal and gas ranges, and gas ranges, Wood and coal cooking and heating. Advance Stove Works. 204,632; renewed Oct. 20, 1945. O. G. Aug. 7.

CLASS 35

Belting, Leather. Johnson Belting Company, Inc. 415,485; Aug. 7.
Belting, Leather. Johnson Belting Company, Inc. 204,413; renewed Oct. 20, 1945. O. G. Aug. 7.
Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 415,442; Aug. 7; Serial No. 480,591; published May 15, 1945.
Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 415,443–4; Aug. 7; Serial Nos. 480,595–6; published May 15, 1945.
Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 415,445–6; Aug. 7; Serial Nos. 480,598–9; published May 15, 1945.

CLASS 36

Phonograph needles. International Merit Products Corporation. 415,450; Aug. 7; Serial No. 481,109; published May 15, 1945.
Phonograph needles. International Merit Products Corporation. 415,567; Aug. 7; Serial No. 481,110; published May 22, 1945.
Phonograph records and phonograph recording discs. M. H. Kranzberg. 415,344; Aug. 7; Serial No. 476,792; published May 15, 1945.
Pianos. Cable Company. 45,635; re-renewed Aug. 22, 1945. O. G. Aug. 7.
Pianos. Steinway & Sons. 45,411; re-renewed Aug. 15, 1945; O. G. Aug. 7.
Pianos. Steinway & Sons. 45,846; re-renewed Aug. 29, 1945. O. G. Aug. 7.
Pianos, Grand. Steinway & Sons. 45,847; re-renewed Aug. 29, 1945. O. G. Aug. 7.
Pianos, Upright. Steinway & Sons. 45,848; re-renewed Aug. 29, 1945. O. G. Aug. 7.
Strings for violins and similar musical instruments. Progressive Musical Instrument Corporation. 415,568; Aug. 7; Serial No. 481,125; published May 22, 1945.

CLASS 37

Books, Blank record. General Mills, Inc. 415,463; Aug. 7.
Envelopes. Samuel Cupples Envelope Co. 47,013; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Folders and expanding filing pockets and filing wallets, File. Amberg File and Index Company. 415,306; Aug. 7; Serial No. 467,742; published May 15, 1945.
Note-books, loose leaf note-book covers, and blank tablets, Blank. P. E. Wilson. 415,353; Aug. 7; Serial No. 477,387; published May 15, 1945.
Paper window-shade material. Shadex Company. 197,206; renewed Apr. 14, 1945. O. G. Aug. 7.
Pencils, Lead. Joseph Dixon Crucible Company. 415,545; Aug. 7; Serial No. 479,377; published May 22, 1945.
Stationery, Social. Gelnett Mears Enterprises. 415,531; Aug. 7; Serial No. 478,615; published May 22, 1945.

CLASS 38

Books published from time to time. Ideals Publishing Company. 415,536; Aug. 7; Serial No. 478,960; published May 15, 1945.
Column of a regularly issued daily newspaper, Weekly. Register and Tribune Company. 415,557; Aug. 7; Serial No. 480,120; published May 8, 1945.
Column relating to shopping advice, Title for a. Street & Smith Publications, Inc. 415,500; Aug. 7; Serial No. 472,163; published May 15, 1945.
Directories, Annual. Haire Publishing Company. 415,473; Aug. 7.
Magazine column. F-R Publishing Corporation. 415,556; Aug. 7; Serial No. 480,064; published May 8, 1945.
Music, Sheet. L. L. Sargent. 415,474; Aug. 7.
Newspaper column. Christian Science Publishing Society. 415,495; Aug. 7; Serial No. 469,223; published May 22, 1945.
Newspaper, Monthly. Julius Kayser & Co. 415,521; Aug. 7; Serial No. 477,515; published May 8, 1945.
Newspaper section. Star Company. 202,973; renewed Sept. 8, 1945. O. G. Aug. 7.
Newspapers, Weekly. All-Church Press. 197,212; renewed Apr. 14, 1945. O. G. Aug. 7.
Periodical, Section in a. Import Publications, Inc. 415,457; Aug. 7.
Periodicals. Orange Judd Company. 46,134; re-renewed Sept. 5, 1945. O. G. Aug. 7.
Publication. New Wrinkle, Inc. 415,501; Aug. 7; Serial No. 472,289; published May 1, 1945.
Publication, Annual. Ziff-Davis Publishing Company. 415,456; Aug. 7.
Publication, Periodical. C. W. Brannon. 415,511; Aug. 7; Serial No. 475,602; published May 1, 1945.
Publication, Periodical. Industrial Medicine Publishing Company. 415,455; Aug. 7.
Publication published monthly. Industrial Publishing Company. 415,565; Aug. 7; Serial No. 480,952; published May 22, 1945.
Publications, Periodical. W. Schulhof. 415,561; Aug. 7; Serial No. 480,353; published May 8, 1945.
Radio script. Blackett-Sample-Hummert. 415,494; Aug. 7; Serial No. 468,692; published May 22, 1945.
Series of pamphlets. R. Hudnut. 415,530; Aug. 7; Serial No. 478,605; published May 1, 1945.

CLASS 39

Apparel, Wearing. Durene Association of America. 415,288; Aug. 7; Serial No. 457,824; published June 27, 1944.
Aprons, Cloth. Chic Manufacturing Co. 197,001; renewed Apr. 7, 1945. O. G. Aug. 7.
Blouses, Ladies' and misses'. Jean Fenton, Inc. 415,602; Aug. 7.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 46,790; re-renewed Oct. 10, 1945. O. G. Aug. 7.
Boots and shoes, Leather. Geo. D. Witt Shoe Co. 46,983; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Clothing, Boys'. Hecht Company. 415,562; Aug. 7; Serial No. 480,373; published May 22, 1945.
Clothing, Men's, women's, juvenile boys' and girls'. Gibbs Gas Engine Company of Florida. 415,591; Aug. 7.
Coats and suits, Ladies' and misses'. Siegel Bros. Garment Corp. 415,307; Aug. 7; Serial No. 468,542; published May 30, 1944.
Coats for men and women, Weatherproof. W. O. Peake, Limited. 415,517; Aug. 7; Serial No. 477,078; published May 22, 1945.
Coats, Girls' and misses'. Smart Maid Coat Co. Inc. 415,389; Aug. 7; Serial No. 478,907; published May 8, 1945.
Coats, suits, jackets, etc., Ladies' and misses'. M. & S. Solomon. 415,551; Aug. 7; Serial No. 479,819; published May 15, 1945.
Coats, suits, legging and legging sets, etc., Misses', junior misses', girls', and children's. Dan Snyder & Co. 415,550; Aug. 7; Serial No. 479,815; published May 15, 1945.
Coats, suits, skirts, etc., Ladies'. McGreevey, Werring & Howell Co. 415,509; Aug. 7; Serial No. 474,498; published May 22, 1945.
Coats, vests, pants, and overcoats for men and boys. Fashion Park, Inc. 415,606; Aug. 7.
Coats, vests, pants, and overcoats for men and boys. Fashion Park, Inc. 415,483; Aug. 7.
Coats, Women's and misses'. Sabastian S. Kresge. 415,522; Aug. 7; Serial No. 477,768; published May 22, 1945.
Collars and cuffs. Cluett, Peabody & Co. 46,382; re-renewed Sept. 19, 1945. O. G. Aug. 7.
Collars and cuffs. Cluett, Peabody & Co. 46,591; re-renewed Sept. 26, 1945. O. G. Aug. 7.
Cravats and neckties. Cutter-Crossette Co. 415,384; Aug. 7; Serial No. 478,808; published May 1, 1945.
Cummerbunds. Bromley-Shepard Company, Inc. 415,364; Aug. 7; Serial No. 478,207; published May 15, 1945.
Dresses and blouses, night gowns, etc., Women's and misses'. Saks & Company. 415,377; Aug. 7; Serial No. 478,660; published May 8, 1945.
Dresses, blouses, jackets, etc., Ladies', misses', and girls'. Siegel, Hochberg & Co. 415,603; Aug. 7.
Dresses, Ladies'. Tru Form Dress House. 415,605; Aug. 7.
Dresses, Ladies' and misses'. Cohen Bros. Dresses. 415,535; Aug. 7; Serial No. 478,921; published May 15, 1945.
Dresses, Maternity. F. & R. Lazarus & Company. 415,559; Aug. 7; Serial No. 480,337; published May 15, 1945.
Dresses, suits, and coats, Girls', misses', and women's. Cohen & Goshin. 415,544; Aug. 7; Serial No. 479,376; published May 22, 1945.
Garments, Foundation. Venus Foundation Garments, Inc. 415,381; Aug. 7; Serial No. 478,772; published May 15, 1945.
Garments, Infants' and children's knitted. Earnshaw Knitting Company. 415,549; Aug. 7; Serial No. 479,782; published May 15, 1945.
Girdles, maternity belts, and maternity corsets, Maternity. Nu-Lift Company, Inc. 415,589; Aug. 7.
Gloves, Fabric. Wimelbacher & Rice. 415,359; Aug. 7; Serial No. 477,861; published May 1, 1945.
Handkerchiefs. Quaker Handkerchief Co. 415,553; Aug. 7; Serial No. 479,900; published May 15, 1945.
Hats and caps. John B. Stetson Company. 415,370; Aug. 7; Serial No. 478,478; published Apr. 24, 1945.
Hats, Ladies'. Simon Millinery Supply Co. 203,323; renewed Sept. 15, 1945. O. G. Aug. 7.
Hats, Ladies'. Beachurst Hats, Inc. 315,376; Aug. 7; Serial No. 478,607; published May 15, 1945.
Hats, Men's. J. Hirsch. 415,594; Aug. 7.
Hats, Women's. Stylepark Hats, Inc. 415, 393; Aug. 7; Serial No. 478,979; published Apr. 24, 1945.
Hats, Women's. Associated Merchandising Corporation. 204,459; renewed Oct. 20, 1945. O. G. Aug. 7.
Hats, Women's. Emporium World Millinery Co. 415,577–9; Aug. 7.

Hosiery. Mascot Knitting Mills. 45,530; re-renewed Aug. 22, 1945. O. G. Aug. 7.
Hosiery. Sarfert Hosiery Mills, Inc. 415,548; Aug. 7; Serial No. 479,697; published May 15, 1945.
Hosiery and lingerie, Women's. Crescent Hosiery Co. 415,513; Aug. 7; Serial No. 475,647; published May 15, 1945.
Hosiery and underwear. M. Alperin & Sons, Inc. 204,169; renewed Oct. 13, 1945. O. G. Aug. 7.
Hosiery, Women's. McCrary Hosiery Mills, Inc. 415,597; Aug. 7.
Nets, Hair. S. H. Kress Company. 204,624; renewed Oct. 20, 1945. O. G. Aug. 7.
Kimonos, house dresses, house aprons, etc., Ladies'. Caro & Co., Inc. 204,257; renewed Oct. 13, 1945. O. G. Aug. 7.
Lingerie, Ladies'. Fischer & Co. 415,326; Aug. 7; Serial No. 473,696; published Oct. 24, 1944.
Overalls and other work clothes for men and boys. A. B. Frank Company. 204,547; renewed Oct. 20, 1945. O. G. Aug. 7.
Robes, beach pajamas, rain coats, etc., Beach. H. H. Mishel. 415,365; Aug. 7; Serial No. 478,236; published Apr. 24, 1945.
Scarves and fascinators. Brian Fabrics Corp. 415,340; Aug. 7; Serial No. 476,094; published May 1, 1945.
Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 204,273; renewed Oct. 13, 1945. O. G. Aug. 7.
Shirts, Outer and dress. Earl & Wilson. 46,604; re-renewed Sept. 26, 1945. O. G. Aug. 7.
Shoes. W. Cohan. 415,358; Aug. 7; Serial No. 477,797; published May 1, 1945.
Shoes. Kirsch-Blacher Company, Inc. 415,585; Aug. 7.
Shoes and slippers. Groves Shoe Company. 415,385; Aug. 7; Serial No. 478,815; published Apr. 24, 1945.
Shoes, Babies' and young children's. L. Bougie. 415,311; Aug. 7; Serial No. 470,456; published May 8, 1945.
Shoes, Men's. Associated Merchandising Corporation. 203,193; renewed Sept. 15, 1945. O. G. Aug. 7.
Shoes, shoe soles and heels of leather and of composition, New and reconditioned leather. Yankee Shoemakers, Inc. 415,391; Aug. 7; Serial No. 478,918; published Apr. 24, 1945.
Slips, nightgowns, pajamas, and bed jackets, Ladies' and misses'. Nu-Fashion Underwear Corp. 415,477; Aug. 7.
Suits and slacks, Ladies' and misses'. D. Olson. 415,369; Aug. 7; Serial No. 478,404; published May 8, 1945.
Suits, sport coats, and slacks, Men's and women's. Baker Clothes. 415,346; Aug. 7; Serial No. 477,050; published May 8, 1945.
Suspenders, garters, arm bands, and belts. Pioneer Suspender Company. 204,317; renewed Oct. 13, 1945. O. G. Aug. 7.
Sweaters. Oakes Bros., Inc. 415,604; Aug. 7.
Underwear, knitted or woven hosiery, and all types of sweaters. All types of. A. Kommel & Sons. 204,270; renewed Oct. 13, 1945. O. G. Aug. 7.
Underwear, lounging robes; women's housecoats, etc., Women's, men's and children's. Dixie Manufacturing Co. 415,587; Aug. 7.

CLASS 40

Pins, Hat. W. P. Taylor. 415,366; Aug. 7; Serial No. 478,298; published May 15, 1945.
Slides made of metal or plastics, tapes and waist belts, etc. R. Harris. 415,601; Aug. 7.

CLASS 42

Blankets and bed and crib coverings. Smith, Hogg & Co. 200,556; renewed July 7, 1945. O. G. Aug. 7.
Cloths and stuffs of wool, worsted, or hair. Joseph Hoyle & Son, Limited. 198,009; renewed Apr. 28, 1945. O. G. Aug. 7.
Cotton piece goods. Pacific Mills. 201,488; renewed July 28, 1945. O. G. Aug. 7.
Cotton piece goods. Pacolet Mfg. Co. 204,456; renewed Oct. 20, 1945. O. G. Aug. 7.
Cotton piece goods. Pacolet Mfg. Co. 204,533; renewed Oct. 20, 1945. O. G. Aug. 7.
Cotton piece goods. J. L. Stifel & Sons. 204,408; renewed Oct. 20, 1945. O. G. Aug. 7.
Cotton piece goods. J. L. Stifel & Sons. 204,411; renewed Oct. 20, 1945. O. G. Aug. 7.
Cotton piece goods and other textile fabrics. National Fabric and Finishing Company. 199,783; renewed June 16, 1945. O. G. Aug. 7.
Crape. Pacific Mills. 46,523; re-renewed Sept. 26, 1945. O. G. Aug. 7.
Knitted fabrics in the piece. Bee Textile Company. 415,406; Aug. 7; Serial No. 479,372; published May 8, 1945.
Piece goods of cotton, mesh piece goods of cotton, curtain netting, etc., Knitted. Durene Association of America. 415,289; Aug. 7; Serial No. 457,825; published May 15, 1945.
Piece goods of cotton, rayon and mixtures of cotton and rayon. A. Steinam Company, Inc. 415,403; Aug. 7; Serial No. 479,153; published May 8, 1945.
Rugs and carpets of matting material. Patchogue-Plymouth Mills Corporation. 204,406; renewed Oct. 20, 1945. O. G. Aug. 7.
Sheetings and drillings, Bleached, brown, and colored cotton. J. L. Salter. 46,903; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Sheetings and drillings, Bleached, brown, and colored cotton. J. L. Salter. 47,028; re-renewed Oct. 17, 1945. O. G. Aug. 7.

CLASS 43

Rubber thread or yarn. United States Rubber Company. 415,419; Aug. 7; Serial No. 479,759; published May 8, 1945.

CLASS 44

Dental cement. Dental Fillings Limited. 415,327; Aug. 7; Serial No. 473,726; published May 15, 1945.
Electric heaters, their supports, and fittings for waving or curling hair. Nestle Lanoil Co. Ltd. 203,841; renewed Sept. 29, 1945. O. G. Aug. 7.
Guards, Finger. R. A. Chaflin. 415,467; Aug. 7.
Nipples. Rubber nursing. United Drug Company. 197,772; renewed Apr. 21, 1945. O. G. Aug. 7.
Plasters and bandages, Adhesive. Elizabeth Arden Sales Corporation. 415,452; Aug. 7; Serial No. 481,349; published May 15, 1945.
Protectors for nursing bottles, Sanitary nipple. Steri-Seal. 415,292; Aug. 7; Serial No. 461,072; published May 15, 1945.
Supports, Arch. E. B. Ward. 415,554; Aug. 7; Serial No. 479,959; published May 22, 1945.
Syringes, Hypodermic. Glass Industries, Inc. 415,512; Aug. 7; Serial No. 475,614; published May 22, 1945.

CLASS 45

Beverages and sirups for making the same, Nonalcoholic, maltless. Bohemian Distributing Company. 202,437; renewed Aug. 25, 1945. O. G. Aug. 7.
Beverages, Non-alcoholic carbonated. Sol Lenzer Corporation. 415,552; Aug. 7; Serial No. 479,851; published May 15, 1945.
Beverages, Non-alcoholic, non-cereal, maltless. E. Killion. 415,508; Aug. 7; Serial No. 474,287; published May 15, 1945.
Beverages, Non-alcoholic, non-cereal, maltless. Red Fox Ginger Ale Co. 415,464; Aug. 7.
Grape juice. Creamette Company. 198,245; renewed May 12, 1945. O. G. Aug. 7.
Mineral waters. White Rock Mineral Spring Co. 45,543; re-renewed Aug. 22, 1945. O. G. Aug. 7.
Syrup, Beverage. Grand Brokerage Company. 415,480; Aug. 7.

CLASS 46

Apple butter, canned fish, canned fruits, etc. Des Moines Wholesale Grocer Co. 200,581; renewed July 7, 1945. O. G. Aug. 7.
Bacon, cured hams, and cured beef tongues, Cured, sliced and boneless. Van Wagenen and Schickhaus Company. 197,959; renewed Apr. 28, 1945. O. G. Aug. 7.
Baking-soda, saleratus, and baking-powder. Church & Dwight Company. 46,901; re-renewed Oct. 17, 1945. O. G. Aug. 7.
Cake. General Baking Company. 204,027; renewed Oct. 6, 1945. O. G. Aug. 7.
Cakes. Grennan Bakeries Incorporated. 204,532; renewed Oct. 20, 1945. O. G. Aug. 7.
Candies. Marlon Confections Company. 415,339; Aug. 7; Serial No. 475,765; published May 15, 1945.
Candies. Mason, Au & Magenheimer Conf. Mfg. Co. 415,489; Aug. 7; Serial No. 460,119; published May 22, 1945.
Candy. Gold Medal Candy Company. 415,566; Aug. 7; Serial No. 481,064; published May 22, 1945.
Canned fish, canned fruits, evaporated canned milk, etc. Des Moines Wholesale Grocer Co. 197,673; renewed Apr. 21, 1945. O. G. Aug. 7.
Canned salmon. Alaska Salmon Company. 200,972; renewed July 14, 1945. O. G. Aug. 7.
Canned salmon. Bristol Bay Packing Company. 200,975; renewed July 14, 1945. O. G. Aug. 7.
Canned salmon. Bristol Bay Packing Company. 200,982; renewed July 14, 1945. O. G. Aug. 7.
Canned vegetables. Iowa Canning Company. 203,899; renewed Sept. 29, 1945. O. G. Aug. 7.
Canned vegetables. Iowa Canning Company. 203,902; renewed Sept. 29, 1945. O. G. Aug. 7.
Canned vegetables. Steele Canning Company. 415,569; Aug. 7; Serial No. 481,166; published May 22, 1945.
Canned vegetables, canned fruits, canned fish, etc. C. S. Crary Company. 204,429; renewed Oct. 20, 1945. O. G. Aug. 7.
Chicks and eggs, Live. W. W. Sproul. 202,929; renewed Sept. 8, 1945. O. G. Aug. 7.
Coffee. Levering Coffee Co. 44,370; re-renewed July 4, 1945. O. G. Aug. 7.
Coffee. Levering Coffee Co. 44,372; re-renewed July 4, 1945. O. G. Aug. 7.
Coffee. Levering Coffee Co. 45,124-5; re-renewed Aug. 8, 1945. O. G. Aug. 7.
Coffee. Janney-Marshall Co. Inc. 204,017; renewed Oct. 6, 1945. O. G. Aug. 7.
Cookies. Sweden House Bakers, Inc. 415,484; Aug. 7.
Crust mix, Pie and pastry. Pi-Do Corporation. 415,498; Aug. 7; Serial No. 472,079; published May 22, 1945.

Dates, Ripe. Sterling Food Products. 415,507; Aug. 7; Serial No. 473,871; published May 22, 1945.
Dog meal. Kennel Food Supply Company. 415,608; Aug. 7.
Extract, Imitation maple. J. Middleby, Jr., Inc. 197,986; renewed Apr. 28, 1945. O. G. Aug. 7.
Feed concentrate. Transit Grain & Commission Co. 415,305; Aug. 7; Serial No. 467,579; published Apr. 17, 1945.
Fruit, Citrous. L. Maxcy. 204,655; renewed Oct. 20, 1945. O. G. Aug. 7.
Fruits and fresh vegetables, Fresh deciduous. Gertmanian's Produce. 415,488; Aug. 7; Serial No. 458,630; published May 22, 1945.
Fruits, Fresh citrus. Euclid Avenue Orange Association. 415,300; Aug. 7; Serial No. 465,678; published May 15, 1945.
Fruits, Fresh citrus. F. A. Hill. 415,472; Aug. 7.
Fruits, Fresh citrus. Corona Foothill Lemon Company. 415,486; Aug. 7.
Fruits, Fresh deciduous. H. J. Cheim. 415,360; Aug. 7; Serial No. 477,915; published May 15, 1945.
Fruits, Fresh deciduous. Nutter Bros. 415,529; Aug. 7; Serial No. 478,591; published May 15, 1945.
Grits, Toasted soy. Central Soya Company. 415,461; Aug. 7.
Gum, Chewing. Creamette Company. 198,425; renewed May 19, 1945. O. G. Aug. 7.
Meal, Soy bean. Muscatine Processing Corporation. 415,540; Aug. 7; Serial No. 479,135; published May 22, 1945.
Poultry and stock food. Maritime Milling Co. Inc. 204,081; renewed Oct. 6, 1945. O. G. Aug. 7.
Sausage. Van Wagenen and Schickhaus Company. 197,377; renewed Apr. 14, 1945. O. G. Aug. 7.
Scrapple, hams, and bacon. P. C. Squire. 197,296; renewed Apr. 14, 1945. O. G. Aug. 7.
Sirups, Food. Fassett & Company. 204,568; renewed Oct. 20, 1945. O. G. Aug. 7.
Vegetables, Fresh. E. C. Mazzie. 415,354; Aug. 7; Serial No. 477,427; published May 15, 1945.
Vegetables, fresh deciduous fruits, fresh melons, etc., Fresh. California Vegetable Union. 194,269; renewed Jan. 20, 1945. O. G. Aug. 7.

CLASS 47

Wines. Alpine Winery. 415,502; Aug. 7; Serial No. 473,170; published Nov. 7, 1944.
Wines. House of Wines. 415,538; Aug. 7; Serial No. 478,997; published May 22, 1945.

CLASS 48

Beer and ale. Horlacher Brewing Company. 415,516; Aug. 7; Serial No. 476,866; published May 15, 1945.

CLASS 49

Gin. Royal Liquors Company. 415,510; Aug. 7; Serial No. 474,553; published May 1, 1945.
Whiskey. H. E. Pogue Distillery Company, Inc. 415,547; Aug. 7; Serial No. 479,644; published May 8, 1945.
Whiskey and gin. House of Wines. 415,539; Aug. 7; Serial No. 478,998; published May 22, 1945.
Whiskey, Scotch. John Bisset & Co. Limited. 415,532; Aug. 7; Serial No. 478,678; published May 22, 1945.

CLASS 50

Blankets for lithographic printing presses. Davidson Manufacturing Corporation. 415,493; Aug. 7; Serial No. 467,805; published May 22, 1945.
Figurines, Metal. M. C. Wentz Co. 415,542; Aug. 7; Serial No. 479,218; published May 22, 1945.
Garment display equipment. Display Equipment Corp. 415,533; Aug. 7; Serial No. 478,704; published May 22, 1945.
Kit of tooth-paste, tooth brush and drinking glass, Combination. H. Cohn. 415,410; Aug. 7; Serial No. 479,553; published May 15, 1945.
Leather substitutes in the piece. Pantasote Leather Company. 415,356; Aug. 7; Serial No. 477,664; published May 15, 1945.
Mats of composition material, Place. Kangaroo. 415,361; Aug. 7; Serial No. 478,129; published May 15, 1945.
Memorials. P. Wirth. 415,543; Aug. 7; Serial No. 479,369; published May 22, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alien Property Custodian: *See*—
Gosslau, F., and Schmidt.

Babson Bros. Co.: *See*—
Babson, H. B., and Stampen, assignors.

Babson, Henry B., Chicago, and J. J. Stampen, Hollywood, assignors, by mesne assignments, to Babson Bros. Co., Chicago, Ill. Milking parlor. Re. 22,657; Aug. 7.

Bucyrus Erie Company: *See*—
Mork, George W., assignor.

Dictograph Products Company, Inc.: *See*—
Koch, Henry, assignor.

Evans, Ralph L., New York, and E. G. McDonough, Yonkers, assignors to Zotos Corporation, New York, N. Y. Waving hair. Re. 22,660; Aug. 7.

Gosslau, Fritz, Berlin-Charlottenburg, and J. Schmidt, Berlin-Eichkamp, Germany; vested in the Alien Property Custodian. Aircraft engine control. Re. 22,661; Aug. 7.

Koch, Henry, Jamaica, assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction audiphone. Re. 22,658; Aug. 7.

McDonough, Everett G.: *See*—
Evans, R. L., and McDonough.

Mork, George W., assignor to Bucyrus Erie Company, South Milwaukee, Wis. Tractor propelled implement. Re. 22,662; Aug. 7.

Schmidt, Johannes: *See*—
Gosslau, F., and Schmidt.

Stampen, Jacob J.: *See*—
Babson, H. B., and Stampen.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastener. Re. 22,659; Aug. 7.

Tinnerman Products, Inc.: *See*—
Tinnerman, George A., assignor.

Zotos Corporation: *See*—
Evans, R. L., and McDonough, assignors.

LIST OF DESIGN PATENTEES

Barrett, Benjamin P., Salem, Ohio. Target game device. 141,952; Aug. 7.

Berg, Willie, Chicago, Ill. Collapsible music stand. 141,989; Aug. 7.

Busby, Clyde W., Dixmont, Pa. Combined hoe and weeder head. 141,945; Aug. 7.

Butler, Arthur N., Oakland, assignor to Speedmaster Limited, Alameda County, Calif. Wheel balancing device. 141,990; Aug. 7.

Campbell, Willard S., Chicago, Ill. Conveyer frame. 141,975; Aug. 7.

Champness, Charlene, Toronto, Ontario, Canada. Figurine or similar article. 142,003; Aug. 7.

Christison, Grace P., New York, N. Y. Shoe. 141,953; Aug. 7.

Coffed, Earl J., Depew, N. Y. Towel rack or the like. 141,976; Aug. 7.

Cohen, Myer, Beverly, Mass. Doll stroller. 141,946; Aug. 7.

Continental Can Company, Inc.: *See*—
Coyle, J., and Punte, assignors.

Coro, Inc.: *See*—
Katz, Adolph, assignor.

Cotton, Lucy, Miami, Fla. Roller blotter. 141,954; Aug. 7.

Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continenal Can Company, Inc., New York, N. Y. Can top. 141,991; Aug. 7.

Crane Co: *See*—
Zinkil, R. H., and Dreyfuss, assignors.

De Vry Corporation: *See*—
De Vry, William C., assignor.

De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Portable motion picture machine and carrying case therefor. 141,955; Aug. 7.

Dreyfuss, Henry: *See*—
Zinkil, R. H., and Dreyfuss.

Ekco Products Company: *See*—
Glass, Henry P., assignor.

Espey Manufacturing Company, Inc.: *See*—
Terrell, Horace, assignor.

Forte, Rocco, Madison, N. J. Cracker. 141,977; Aug. 7.

Frederics, Fred, New York, N. Y. Multiple holder for cosmetic preparations or the like. 141,978; Aug. 7.

Gabriel, Milan E., New York, N. Y. Picture frame or similar article. 141,947.

Gilbert, Samuel: *See*—
Lerner, G. and Gilbert, assignors.

Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Knife rack. 141,956; Aug. 7.

Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Knife rack. 141,957; Aug. 7.

Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Knife rack. 141,958; Aug. 7.

Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Knife rack. 141,959; Aug. 7.

Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Knife rack. 141,960; Aug. 7.

Gruber, Abe, New York, N. Y. Suit. 142,004; Aug. 7.

Hedfield, Reynold T., Madison, Wis. Fish line reel. 141,979; Aug. 7.

Holland, Robert L., and W. F. Nessen, assignors to Holland & Small, Chicago, Ill. Toilet kit or the like. 141,980; Aug. 7.

Holland & Small: *See*—
Holland, R. L., and Nessen, assignors.

Jackson, Brice L., East Orange, N. J. Ash tray or similar article. 141,992; Aug. 7.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,961; Aug. 7.

Kleinitz, Mollie, New York, N. Y. Combined girdle and brassière. 141,993; Aug. 7.

Knobel, Irvin, Osseo, Minn. Clamp. 141,962; Aug. 7.

Know Your Bible Company: *See*—
Tatar, Frank, assignor.

Lemle, Irwin W., Chicago, Ill. Plaque. 141,963; Aug. 7.

Lerner, George, and S. Gilbert, Los Angeles, Calif. Toy truck. 141,964; Aug. 7.

Levy, Molly, New York, N. Y. Suit. 141,981; Aug. 7.

Levy, Molly, New York, N. Y. Suit. 141,994; Aug. 7.

Levy, Molly, New York, N. Y. Suit. 142,002; Aug. 7.

Long, Benjamin F., Union City, N. J. Toy. 141,965; Aug. 7.

Marks, John C., New York, N. Y. Hat. 142,005; Aug. 7.

Marks, John C., New York, N. Y. Hat. 142,006; Aug. 7.

Marks, John C., New York, N. Y. Hat. 142,007; Aug. 7.

Marks, John C., New York, N. Y. Hat. 142,008; Aug. 7.

McCullough, Frank, Detroit, Mich. Drill Jig. 141,995; Aug. 7.

Michaels, John I., Wichita, Kans. Utility fork. 141,948; Aug. 7.

National Silver Company: *See*—
Summon, Shirley, assignor.

Nessen, Walter F.: *See*—
Holland, R. L., and Nessen.

Nordberg, Charles H., assignor to Pettibone Mulliken Corporation, Chicago, Ill. Hub switch stand. 141,996; Aug. 7.

Paul, Walter, assignor to E. M. Vernon, San Francisco, Calif. Animal toy. 141,982; Aug. 7.

Paul, Walter, assignor to E. M. Vernon, San Francisco, Calif. Animal toy. 141,983; Aug. 7.

Pedersen, Holger, New York, N. Y. Shield. 141,997; Aug. 7.

Pedersen, Peter O., Oakland, Calif. Display case. 141,966; Aug. 7.

Pettibone Mulliken Corporation: *See*—
Nordberg, Charles H., assignor.

Pivcevich, John F., New York, N. Y. Clip for wearing apparel or similar article. 141,949; Aug. 7.

Plate, Robert T., Grosse Pointe Park, Mich. Vanity case. 141,984; Aug. 7.

Punte, William F.: *See*—
Coyle, J., and Punte.

Ramsay, Charles F., Toronto, Ontario, Canada. Sales meter. 141,985; Aug. 7.

Ranseen, Mauritz C., Minneapolis, Minn. Container closure remover. 141,967; Aug. 7.

Ranseen, Mauritz C., Minneapolis, Minn. Crown cap remover. 141,968; Aug. 7.

Rubin, Herbert, Chicago, Ill. Handbag. 141,986; Aug. 7.

Sewell, William B., Los Angeles, Calif. Poker chip rack. 141,950; Aug. 7.

Silston, Janina, New York, N. Y. Combined perfume bottle and cover. 141,987; Aug. 7.

Smith, Donald J., Los Angeles, Calif. Poker chip and playing card holder. 141,951; Aug. 7.

Speedmaster Limited: *See*—
Butler, Arthur N., assignor.
Stupakoff, Semon H., Latrobe, Pa. Perpetual calendar. 141,969; Aug. 7.
Summon, Shirley, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 141,998; Aug. 7.
Tatar, Frank, assignor to Know Your Bible Company, Cincinnati, Ohio. Bible book cover. 141,970; Aug. 7.
Terrell, Horace, assignor to Espey Manufacturing Company, Inc., New York, N. Y. Radio receiver cabinet. 141,999; Aug. 7.
Vernon, Ethel M.: *See*—
Paul, Walter, assignor.
Waldinger, Maurice J., Flushing, N. Y. Fountain pen. 142,000; Aug. 7.
Waldinger, Maurice J., Flushing, N. Y. Mechanical pencil. 142,001; Aug. 7.
Walhimer, Morris, New Haven, Conn. Tray for cosmetics. 141,971; Aug. 7.
Wolf, Leo, Chicago, Ill. Toy. 141,972; Aug. 7.
Wolf, Leo, Chicago, Ill. Toy. 141,973; Aug. 7.
Wright-Batchelder Corporation: *See*—
Wright, Wallace C., assignor.
Wright, Wallace C., Brookfield, N. H., assignor to Wright-Batchelder Corporation, Boston, Mass. Shoe welt. 141,974; Aug. 7.
Zinkil, Roy H., Oak Park, Ill., and H. Dreyfuss, New York, N. Y., assignors to Crane Co., Chicago, Ill. Cover plate for a sink and laundry tub supply fitting or the like. 141,988; Aug. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Harry H., Coldwater, Mich. Universal joint. 2,381,096; Aug. 7.
Aber Engineering Works Incorporated: *See*—
Horth, Bertrand D., assignor.
Adams, Eugene, Newark, N. J. Helicopter. 2,381,417; Aug. 7.
Adams, Frederick W., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Providing matte surfaces upon glass. 2,381,479; Aug. 7.
Adams, Joseph C., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Magnetic pickup device. 2,381,097; Aug. 7.
Addink, Nicolaas W. H., J. J. A. P. van Amstel, and N. Bos, Eindhoven, Netherlands; vested in the Alien Property Custodian. Blocking-laying rectifier. 2,381,025; Aug. 7.
Addressograph-Multigraph Corporation: *See*—
Morse, Lawrence H., assignor.
Adels, Sidney, Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y. Babbitting. 2,381,797; Aug. 7.
Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: *See*—
Balch, Royal T., assignor.
Balls, A. K., and Hale, assignors.
Woodward, C. F., Eisner, and Haines, assignors.
Ahier, Jean, and R. Hardy, Lyon, France; vested in the Alien Property Custodian. Indicating system particularly for the measure of angles. 2,380,929; Aug. 7.
Ahlberg, Jacob E.: *See*—
Lee, E. C., and Ahlberg.
Air Communications, Inc.: *See*—
Erickson, Carl V., assignor.
Air Reduction Company, Incorporated: *See*—
Blashfield, Floyd A., assignor.
Glekler, John T., assignor.
Aircooled Motors Corporation: *See*—
Doman, Carl T., assignor.
Airoast Corporation: *See*—
Goldfine, Wesley R., assignor.
Airplane Manufacturing & Supply Corporation: *See*—
Mabery, Nelson, assignor.
Ajax Engineering Corporation: *See*—
Tama, Manuel, and Mario, assignors.
Aktiebolaget Aerotransport: *See*—
Carlstein, Olof W., assignor.
Aktiebolaget Hammarbylampan: *See*—
Wolff, Hans H., assignor.
Aktiengesellschaft Brown, Boveri & Cie: *See*—
Jonas, Julius, assignor.
Alben, Frank L.: *See*—
Brecht, W. A., and Alben.
Albrecht, Martin L., and J. G. Birn, assignors to F. W. Brehmer Machine & Tool Co., Cincinnati, Ohio. Clamp. 2,381,480; Aug. 7.
Alderfer, Sterling W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Oven for manufacturing continuous rubber articles. 2,381,387; Aug. 7.
Alien Property Custodian: *See*—
Addink, N. W. H., van Amstel, and Bos.
Ahier, J., and Hardy.
Möller, R., and Kosche.
Schlumberger, Marcel.
Seyerle, Wilhelm.
Vanecra, Rudolf.
Waseige, Charles R.
Allen, Bernard: *See*—
Schaefer, R. K., Allen, and Lopez.
Allen, Charles J.: *See*—
Bowen, J. M., and Allen.
Allen, Edward A.: *See*—
Pyne, R. S., and Allen.
Allen, Kenneth R., Ridgewood, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Method and apparatus for making hood caps. 2,381,851; Aug. 7.
Allen, Leonard B., San Diego, and W. C. Heath, La Mesa, assignors to Solar Aircraft Company, San Diego, Calif. Flexible exhaust line joint. 2,381,426; Aug. 7.
Allen, S. L., & Co., Inc.: *See*—
Bowen, J. M., and Allen, assignors.
Alltools, Limited: *See*—
Tomes, Gilbert A. R., assignor.
Alsdorf, James W., Winnetka, assignor to Cory Glass Coffee Brewer Co., Not Inc., Chicago, Ill. Grinding annular surfaces. 2,381,418; Aug. 7.
Aluminum Company of America: *See*—
Beck, Paul C., assignor.
Gantz, Marvin E., assignor.
Le Baron, Ira M., assignor.
Wood, Robert T., assignor.
American Agricultural Chemical Company, The: *See*—
Phelps, Donald S., assignor.
American Can Company: *See*—
Huth, Carl A., assignor.
Meyer, Willard A., assignor.
American Cyanamid Company: *See*—
Ericks, Walter P., assignor.
Hill, William H., assignor.
American Heat Corporation: *See*—
Breault, Delphis C., assignor.
American Houses, Inc.: *See*—
McLaughlin, R. W., Jr., assignor.
Taylor, Walter K., assignor.
American Manufacturing Company: *See*—
Robinson, H. C., and Challis, assignors.
American Optical Company: *See*—
Canning, William P. assignor.
Splaine, Edward M., assignor.
American Paper Bottle Company, The: *See*—
Monroe, Charles Z., assignor.
American Rolling Mill Company, The: *See*—
Burns, R. S., and McCabe, assignors.
American Seal-Kap Corporation of Delaware: *See*—
Allen, Kenneth R., assignor.
American Steel and Wire Company of New Jersey, The: *See*—
Horwedel, C. R., and Resch, assignors.
Little, R. A., and Rice, assignors.
American Steel Foundries: *See*—
Cottrell, Robert B., assignor.
American Viscose Corporation: *See*—
Bruenner, Alexander, assignor.
Decker, F. A., Jr., and Woodward, assignors.
Wicker, D. B., and Cox, assignors.
Amott, Earl, Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Sulphonation process. 2,381,708; Aug. 7.
Andersen, Arthur H., and N. R. Fasken, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Carbonization. 2,380,930; Aug. 7.
Anderson, Howard M., West Lafayette, Ind., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,381,566; Aug. 7.
Anderson, John A., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversions and catalysts therefor. 2,381,481; Aug. 7.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,381,427; Aug. 7.
Angel, Henry S., E. W. Fuller, and H. G. Berger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil. 2,381,377; Aug. 7.
Apex Electrical Manufacturing Company, The, trustee: *See*—
Kirby, James B., assignor.
Apgar, Frank A., and J. W. Teter, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Production of organic compounds containing nitrogen. 2,381,709; Aug. 7.
Ariens, Mando S., Brillion, Wis. Road surface-working machine. 2,381,330; Aug. 7.
Arkansas Company, Inc.: *See*—
Cook, A. A., and Whitworth, assignors.
Armour Research Foundation: *See*—
Camras, Marvin, assignor.
Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical interlock. 2,381,243; Aug. 7.
Arnhym, Albert A., San Diego, Calif., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner. 2,381,710; Aug. 7.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,381,244; Aug. 7.
Art Metal Company, The: *See*—
Hrabak, Robert A., assignor.
Arthur, William H., assignor to Container Corporation of America, Chicago, Ill. Lined carton. 2,381,026; Aug. 7.
Asbill, Clarence M., Jr., La Grange, Ga., assignor to Monarch Mills, Union, S. C. Bobbin lifting apparatus. 2,381,482; Aug. 7.
Askey, John S., Mount Lebanon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Molded cell for field coils. 2,381,245; Aug. 7.

Aspin, Frank M., Bury, England. Rotary valve for internal-combustion engines, compressors, and the like. 2,381,711; Aug. 7.

Associated Patentees, Inc.: *See*—
Borton, Alwyn E., assignor.

Associated Spring Corporation: *See*—
Wilcox, George G., assignor.

Atlantic Coast Fisheries Company, The: *See*—
Savrda, Charles M., assignor.

Atlass, Alfred, New York, N. Y. Shoe tree. 2,381,419; Aug. 7.

Attapulgus Clay Company: *See*—
LaLande, William A., Jr., assignor.

Attick, Purdy E., Chicago, Ill. Height-measuring device. 2,381,428; Aug. 7.

Austenal Laboratories, Inc.: *See*—
Collins, Paul F., assignor.
Merrick, Albert W., assignor.

Automatic Electric Laboratories, Inc.: *See*—
McCreary, Harold J., assignor.
Molnar, Imre, assignor.

Automatic Products Company: *See*—
Johnson, R. W., and Zarwell, assignors.

Automatic Telephone & Electric Company Limited: *See*—
Cannon, James R., assignor.

Automotive Products Company Limited: *See*—
Eves, Frederick S., assignor.

Aviation Corporation, The: *See*—
Adels, Sidney, assignor.

Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Terminal connector. 2,381,331; Aug. 7.

Babicz, George, Chicago, Ill. Device for regulating pressure in machine rollers. 2,381,712; Aug. 7.

Babicz, George, Chicago, Ill. Paper elevating device for printing machines. 2,381,713; Aug. 7.

Back, Franz G., assignor to Helix Gage Works, New York, N. Y. Testing device. 2,381,634; Aug. 7.

Bahn, Carl E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens spacing fixture. 2,381,098; Aug. 7.

Bailey, Grant C., and J. A. Reid, assignors to Phillips Petroleum Company. Catalytic polymerization of olefins. 2,381,198; Aug. 7.

Baker, George W., Chicago Heights, assignor to United States Gypsum Company, Chicago, Ill. Partition structure. 2,381,635; Aug. 7.

Baker, Rhea V., Seattle, Wash., assignor to Feenaughty Machinery Co., Portland, Oreg. Vehicle jack. 2,381,199; Aug. 7.

Baker, Robert M., H. G. Frostick, and C. C. Whittaker, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating coil. 2,381,246; Aug. 7.

Baker, Walter: *See*—
Deal, T. M., and Baker.

Balch, Royal T., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Hard waxes and fatty products derived from crude sugar cane waxes. 2,381,420; Aug. 7.

Baldesberger, Robert J., Pittsburgh, Pa. Artificial fishing bait. 2,381,099; Aug. 7.

Baldeschwieler, Emile L., Cranford, and P. J. Gaylor, Union, N. J., assignors to Standard Oil Development Company. Recovering boron fluoride. 2,381,027; Aug. 7.

Ball, Charles J. P.: *See*—
Hobbs, Howard F., assignor.

Ballard, John S.: *See*—
Booth, G. M., and Ballard.

Balls, Arnold K., Washington, D. C., and W. S. Hale, Alexandria, Va., assignors to Claude R. Wickard as Secretary of Agriculture of the United States of America, and to his successors in office. Treating cereal grains. 2,381,421; Aug. 7.

Bancroft, Thomas, Sherburn-in-Elmet, assignor of one-half to N. W. G. Blackburn, Yorkshire, England. Adjustable head golf club. 2,381,636; Aug. 7.

Barker Poultry Equipment Company: *See*—
Franz, Chester B., assignor.

Barnes Drill Co.: *See*—
Caldwell, Harry J., assignor.

Barr, Harry, Ironwood, Mich. Automatic fish lock. 2,381,100; Aug. 7.

Barth, Robert H., Ridgewood, and H. Burrell, Paramus, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation. Plasticized compositions. 2,381,247; Aug. 7.

Bartholomew, Robert J., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Lay motion for looms. 2,381,028; Aug. 7.

Bascom, Roger C., Port Clinton, Ohio, assignor to The Standard Products Company, Detroit, Mich. Gasket material. 2,381,248; Aug. 7.

Bastian, Arthur J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,381,249; Aug. 7.

Bastian Blessing Co., The: *See*—
Evarts, Ralph E., assignor.

Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Compressional wave transmitting and receiving apparatus. 2,380,931; Aug. 7.

Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro-magnetic compass. 2,380,932; Aug. 7.

Baumann, Charles L., Jr., New York, N. Y. Electric engine control apparatus. 2,381,250; Aug. 7.

Bausch & Lomb Optical Company: *See*—
Bahn, Carl E., assignor.
Bausch, William, assignor.
Keller, Robert D., assignor.

Bausch, William, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ocular tube. 2,381,101; Aug. 7.

Beach, Howard P., Jr., Washington, D. C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mooring buoy. 2,381,394; Aug. 7.

Beal, Fay, assignor to H. A. Douglas Manufacturing Co., Bronson, Mich. Electrical connection means. 2,380,916; Aug. 7.

Beardsley & Piper Company, The: *See*—
Briner, Frank, assignor.

Beck, Paul C., Bay Village, assignor to Aluminum Company of America, Pittsburgh, Pa. Thermally treating aluminum base alloy ingots and product thereof. 2,381,714; Aug. 7.

Bell, Forrest F., assignor to Curtis Companies Incorporated, Clinton, Iowa. Supporting screen cloth. 2,381,029; Aug. 7.

Belaieff, James F., assignor of two-thirds to C. T. Delaney, and Gallay, Limited, Cricklewood, London, England. Water and oil cooler. 2,381,251; Aug. 7.

Bell Telephone Laboratories, Incorporated: *See*—
Hartley, Ralph V. L., assignor.
Mitchell, Doren, assignor.
Potter, Ralph K., assignor.

Bell, Wade L., and J. S. McKinley, Great Bend, Kans. Pressure responsive device. 2,381,429; Aug. 7.

Belluche, Frank R., assignor to Christensen Machine Company, Racine, Wis. Sheet delivery mechanism. 2,381,430; Aug. 7.

Beloit Iron Works: *See*—
Hornbostel, L., and Berry, assignors.

Bemis Bro. Bag Co.: *See*—
Williams, Russell J., assignor.

Bendix Aviation Corporation: *See*—
Bremser, Albert T., assignor.
Goepfrich, Rudolph A., assignor.
Goepfrich, R. A., and House, assignors.
Gregg, David, assignor.
House, Bryan E., assignor.
Nardone, Romeo M., assignor.

Bendix Products Corporation: *See*—
Mock, Frank C., assignor.

Bendix Stromberg Carburetor Company: *See*—
Hunt, Scott F., assignor.

Bennett, Milton, Briarcliff Manor, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Packaging. 2,380,913; Aug. 7.

Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Article conveying mechanism. 2,381,798; Aug. 7.

Berger, Henry G.: *See*—
Angel, H. S., Fuller, and Berger.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Connecting means for conveyer troughs. 2,381,252; Aug. 7.

Berkeley Pump Company: *See*—
Carpenter, Fred A., assignor.

Berkholder, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Diaphragm valve. 2,381,799; Aug. 7.

Berry, Earl E.: *See*—
Hornbostel, L., and Berry.

Bertram, John, & Sons Co. Limited, The: *See*—
Knutzen, Max T., assignor.

Bickel, Clifford A., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Sensitive precision lathe. 2,381,422; Aug. 7.

Bierwert, Howard L., Maplewood, N. J. Flower holder and arranger. 2,381,253; Aug. 7.

Billeb, Clyde K., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Manufacturing pouches. 2,380,914; Aug. 7.

Biskamp, Ernest J., San Antonio, Tex. Measuring and dispensnig package. 2,381,800; Aug. 7.

Biske, Michel A.: *See*—
Boehlen, C. F. J., and Biske.

Blackburn, Hubert E., Los Angeles, Calif. Sheet metal seam or joint. 2,381,030; Aug. 7.

Blackburn, Norman W. G.: *See*—
Bancroft, Thomas, assignor.

Blake, Alfred E., West Caldwell, N. J. Gas producer. 2,381,200; Aug. 7.

Blake, Edward S., and K. L. Godfrey, Nitro, W. Va., assignors to Monsanto Chemical Company, St. Louis, Mo. Chlor benzyl xanthates. 2,381,483; Aug. 7.

Blank, Rudolph H., Treadwell, N. Y. Hydraulic safety valve. 2,381,484; Aug. 7.

Blashfield, Floyd A., Madison, Wis., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Sterile drawoff faucet. 2,381,031; Aug. 7.

Bloomer Bros. Company: *See*—
Inman, William H., assignor.

Bloxom, Harvey L., Council Bluffs, Iowa. Reflectoscope. 2,381,801; Aug. 7.

Bludworth, Joseph E., and G. Flower, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Separation of organic compounds. 2,381,032; Aug. 7.

Boate, John W., Detroit, Mich. Nursing bottle holder. 2,381,201; Aug. 7.

Boehlen, Constant F. J., East Orange, N. J., and M. A. Biske, assignors to Federal Telephone & Radio Corporation, New York, N. Y. Voltage regulating system. 2,381,715; Aug. 7.

Bohn, Donald I., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Arc quencher. 2,381,637; Aug. 7.

Boldt, Werner F., Clayton, Mo. Attack weapon for airplanes. 2,381,332; Aug. 7.

Bolley, Herschel C., and E. E. Johnson, assignors to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,380,933; Aug. 7.

Bolsey, Jacques, New York, N. Y. Film magazine. 2,381,033; Aug. 7.

Bonham, Walter R., Palo Alto, Calif. Fan construction. 2,381,567; Aug. 7.

Bonine, Ralph O., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control. 2,381,254; Aug. 7.

Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Carburizing steels. 2,381,638; Aug. 7.

Booharin, Leo Y., assignor of one-half to M. Cooney, San Francisco, Calif. Gas mask. 2,381,568; Aug. 7.

Boon, William R., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Substituted ureas. 2,380,934; Aug. 7.

Boone, John S. W., Chapel Hill, N. C. Self-loading truck body. 2,380,917; Aug. 7.

Boonton Molding Company: *See*—
Sayre, Gordon B., assignor.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Chair. 2,381,718; Aug. 7.

Booth, George M., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Collapsible tube folding apparatus. 2,381,716; Aug. 7.

Booth, George M., Westfield, and J. S. Ballard, Montclair, assignor to Wallace & Tiernan Co. Inc., Belleville, N. J. Dry chemical feeder. 2,381,802; Aug. 7.

Borden Company, The: *See*—
Lemmel, P. T., and Fell, assignors.

Bordo, Lambert J., North Willow Grove, Pa. Gate valve. 2,381,431; Aug. 7.

Borg-Warner Corporation: *See*—
Conkle, Carl J., assignor.
Dupuis, Ervin F., assignor.

Borton, Alwyn E., South Orange, assignor to Associated Patentees, Inc., Ampere, N. J. Strip feed. 2,380,918; Aug. 7.

Bos, Nicolaas: *See*—
Addink, N. W. H., van Amstel, and Bos.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for processing cord. 2,381,398; Aug. 7.

Bossard, Werner: *See*—
Krebser, A., and Bossard.

Boston Machine Works Company: *See*—
Osgood, Walter P., assignor.

Boston Wire Stitcher Company: *See*—
Harred, George H., assignor.

Bowen, Bertram E. V.: *See*—
Wood, W. L., and Bowen.

Bowen, James M., Cape May Court House, and C. J. Allen, Moorestown, N. J., assignors to S. L. Allen & Co., Inc., Philadelphia, Pa. Adjustable gauge wheel support. 2,381,202; Aug. 7.

Bower, Walter, Barlborough, England. Wheel for agricultural tractors. 2,381,639; July 31.

Bowman, Jake F., Houston, Tex. Rodent guard. 2,381,569; Aug. 7.

Bowser, S. F., & Company: *See*—
Merrill, Joseph A., assignor.

Boyd, Leo B., Gardena, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Flexible adapter. 2,381,102; Aug. 7.

Boyle, John R., assignor to Westerlin and Campbell Company, Chicago, Ill. Air circulating apparatus. 2,380,935; Aug. 7.

Bradley Pie Company: *See*—
Bryant, Frank, assignor.

Brainard, Kenneth A., Altadena, Calif. Electrical terminal. 2,380,936; Aug. 7.

Brandstrom, Fred, Westport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Air volume control. 2,381,640; Aug. 7.

Bratton, Samuel M., assignor to The Pusey & Jones Corporation, Wilmington, Del. Joint construction. 2,381,432; Aug. 7.

Breault, Delphis C., Boston, assignor to American Heat Corporation, Lowell, Mass. Oil burner. 2,381,803; Aug. 7.

Brecht, Winston A., Forest Hills, and F. L. Alben, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive unit. 2,381,255; Aug. 7.

Brehmer, F. W., Machine & Tool Co.: *See*—
Albrecht, M. L., and Birn, assignors.

Bremser, Albert T., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Cooling system for fuel injection nozzles. 2,371,804; Aug. 7.

Brighton, Cyril A.: *See*—
Staudinger, H. P., Tuerck, and Brighton.

Briner, Frank, Chester, Pa., assignor to The Beardsley & Piper Company, Chicago, Ill. Portable hopper. 2,381,103; Aug. 7.

Brintnall, Harry W., San Francisco, Calif. Sheet control delivery mechanism for lithograph, varnishing machines and the like. 2,381,719; Aug. 7.

British Celanese Limited: *See*—
Taylor, William I., assignor.

British Insulated Cables Limited: *See*—
Quayle, Joshua C., assignor.

British Timken Limited: *See*—
Emmerton, John T., assignor.

Bromley, Thomas C. and A. Shortland, Leicester, England, assignors to Mellor Bromley & Co. Limited. Circular knitting machine. 2,381,641; Aug. 7.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,381,333; Aug. 7.

Brown, Charles F., Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Rubberlike compositions. 2,381,720; Aug. 7.

Brown Instrument Company, The: *See*—
Jones, Harry S., assignor.

Brown, Marion G., Tacoma, Wash. Hand truck and brake therefor. 2,381,642; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction retarding mechanism for vehicle suspension. 2,381,378; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Airplane propeller deicer shoe. 2,381,381; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aviation control guide. 2,381,391; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Brake. 2,381,393; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizing mold. 2,381,395; Aug. 7.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Torque tube support. 2,381,399; Aug. 7.

Brown, William: *See*—
Campbell, J. S., Brown, and Douglas.

Brownshield, Milton L., Dobbs Ferry, N. Y. Loop antenna unit. 2,381,334; Aug. 7.

Bruenner, Alexander, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for handling filamentary material. 2,381,643; Aug. 7.

Brügger, Albert, Horgen, Switzerland. Driving arrangement for thread guides, particularly for cop winding machines. 2,381,570; Aug. 7.

Brunswick-Balke-Collender Company, The: *See*—
Coker, John B., assignor.

Brush Beryllium Company, The: *See*—
Kjellgren, Bengt R. F., assignor.

Brush Development Company, The: *See*—
Massa, Frank, assignor.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Esters of endoethylene hydroxycyclopentanoindane and their preparation. 2,381,433; Aug. 7.

Bryant Electric Company, The: *See*—
Smith, R. M., and Webster, assignors.

Bryant, Frank, assignor to Bradley Pie Company, Los Angeles, Calif. Apparatus for trimming pies and the like. 2,381,644; Aug. 7.

Buchan, Elmer E., Chicago, Ill. Feeder for die presses. 2,381,571; Aug. 7.

Buck, Clyde D., Fremont, Ind. Variable speed transmission mechanism. 2,381,805; Aug. 7.

Buck, Foster, Lisle, Ill., assignor to International Harvester Company. Fuel injector. 2,381,423; Aug. 7.

Bucyrus-Erie Company: *See*—
Mork, George W., assignor.

Budd Wheel Company: *See*—
Eksergian, C. L., and Coombes, assignors.
Strickland, Harold A., Jr., assignor.

Bugenhagen, George H., Midland, Mich. Conformator gauge for tubular joints. 2,380,919; Aug. 7.

Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,380,920; Aug. 7.

Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloy. 2,380,921; Aug. 7.

Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloy. 2,380,922; Aug. 7.

Bura, Walter M., Orange, N. J., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,381,034; Aug. 7.

Burgess, Louis, Jersey City, N. J. Navigation instrument. 2,380,937; Aug. 7.

Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Inhibiting cracking in re-forming of hydrocarbons. 2,380,938; Aug. 7.

Burk, Robert E., Cleveland, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Isomerization. 2,381,434; Aug. 7.

Burnham, Frank J., Los Angeles, Calif. Strainer filter for coffee making. 2,381,104; Aug. 7.

Burns, Robert S., Middletown, and A. S. McCabe, Seven Mile, assignors to The American Rolling Mill Company, Middletown, Ohio. Grain shape control in killed deep drawing materials. 2,381,435; Aug. 7.

Burrell, Harry: *See*—
Barth, R. H., and Burrell.

Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pump control. 2,381,203; Aug. 7.

Butterfield, John P.: *See*—
Herreshoff, A. G., and Butterfield.

Buzzell, Jonathan J.: *See*—
Lutes, H., and Buzzell.

Cadman, Addi B., San Diego, Calif. Offsetting mechanism. 2,381,105; Aug. 7.

Cafagno, Joe, Marion, Ohio. Heating furnace. 2,381,106; Aug. 7.

Calabro, Anthony A., New Haven, Conn. Permanent wave mandrel. 2,381,107; Aug. 7.

Caldwell, Harry J., assignor to Barnes Drill Co., Rockford, Ill. Control mechanism for honing machines. 2,381,572; Aug. 7.

California Fruit Growers Exchange: *See*—
Finley, James A., assignor.
Wilson, Clarence W., assignor.

California Packing Corporation: *See*—
Dunn, Guy A., assignor.

Callaway, John R., Teaneck, N. J., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon fractions. 2,381,256; Aug. 7.

Camloc Fastener Corporation: *See*—
Summers, J. Millis, assignor.

Campbell, Frank L., and W. C. Fernelius, Columbus, Ohio. Insecticide compound and dispensing an insecticide. 2,381,257; Aug. 7.

Campbell, John S., and W. Brown, Melbourne, and G. A. Douglas, Mount Brydges, Ontario, Canada. Egg grading machine. 2,381,035; Aug. 7.

Campbell, Lee, Hackensack, N. J. Producing stringer tapes for slide fasteners. 2,380,939; Aug. 7.

Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Safety timing mechanism for magnetic recorders. 2,381,036; Aug. 7.

Canning, William P., assignor to American Optical Company, Southbridge, Mass. Lens chuck. 2,381,573; Aug. 7.

Cannon, Albert L.: *See*—
Markwart, E. H., and Cannon.

Cannon, James R., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Negative feedback amplifier. 2,380,923; Aug. 7.

Cantral, John I., assignor to Deere & Company, Moline, Ill. Hitch device. 2,381,258; Aug. 7.

Carbide and Carbon Chemicals Corporation: *See*—
Wilkes, B. G., and Denison, assignors.
Wilson, Alexander L., assignor.

Cardoza, Antone J., San Francisco, Calif. Cumulative sheet binder. 2,381,204; Aug. 7.

Carlstein, Olof W., assignor to Aktiebolaget Aerotransport, Stockholm, Sweden. Apparatus for determining unbalance in rotors. 2,381,645; Aug. 7.

Carpenter, Fred A., assignor to Berkeley Pump Company, Berkeley, Calif. Self-priming pumping system. 2,380,924; Aug. 7.

Carr, Edward L.: *See*—
Smith, G. E. P., Jr., and Carr.

Carr, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization accelerator. 2,381,384; Aug. 7.

Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,380,940; Aug. 7.

Carroll, Guy B., Minneapolis, Minn. Airplane aileron control. 2,381,721; Aug. 7.

Carter, Albert S., and F. W. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chlorobutadienes from butane. 2,381,037; Aug. 7.

Carter, Albert S., and A. V. Willett, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation process. 2,381,038; Aug. 7.

Carter Carburetor Corporation: *See*—
Coffey, Irven E., assignor.

Carter, Fred, Tampa, Fla. Two-cycle engine. 2,381,646; Aug. 7.

Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Erection device for gyro verticals. 2,380,941; Aug. 7.

Carter, Mitchell, Trenton, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of sponge rubber. 2,381,380; Aug. 7.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering and loading machine. 2,381,108; Aug. 7.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering and loading machine. 2,381,109; Aug. 7.

Case, J. I., Company: *See*—
Russell, Stanley D., assignor.

Caughey, Robert A., assignor to University of New Hampshire, Durham, N. H. Molding powder and making same. 2,381,205; Aug. 7.

Cavallero, Luis J.: *See*—
Jadraque, J. M., and Cavallero, assignors.

Celanese Corporation of America: *See*—
Bludworth, J. E., and Flower, assignors.
Pecker, J. S. Simpson, and Kirshner, assignors.

Chain Belt Company: *See*—
Longenecker, Charles I., assignor.

Challis, Thomas F.: *See*—
Robinson, H. C., and Challis.

Chandler, Edward F., Brooklyn, N. Y. Lock nut. 2,381,110; Aug. 7.

Chandler, Edward F., Brooklyn, N. Y. Self-locking nut. 2,381,111; Aug. 7.

Chaplin Corporation: *See*—
Chaplin, Merle P., assignor.

Chaplin, Merle P., South Portland, assignor to Chaplin Corporation, Portland, Maine. Machine for manufacturing molded pulp articles. 2,380,942; Aug. 7.

Chapman, Charles E., Chicago, Ill. Time signaling apparatus. 2,380,943; Aug. 7.

Chapman, George S., Dedham, Mass. Cutting tool. 2,381,485; Aug. 7.

Cheyney, LaVerne E., assignor to Wingfoot Corporation, Akron, Ohio. Plasticized polyvinyl acetal. 2,380,925; Aug. 7.

Cheyney, LaVerne E., assignor to Wingfoot Corporation, Akron, Ohio. Plastic composition. 2,380,926; Aug. 7.

Chicago Forging & Manufacturing Company: *See*—
Howe, Earl E., assignor.

Chisholm, Douglas S., assignor to The Dow Chemical Company, Midland, Mich. Recovery of magnesium from vapor mixtures. 2,381,403; Aug. 7.

Chivers & Sons Limited: *See*—
Rendle, Theodore, assignor.

Christensen Machine Company: *See*—
Belluche, Frank R., assignor.

Chrysler Corporation: *See*—
Herreshoff, A. G., and Butterfield, assignors.

Churchill, Ivan F., Fayetteville, N. Y. Multiple drilling machine. 2,381,039; Aug. 7.

Ciba Pharmaceutical Products Inc.: *See*—
Miescher, K., and Meystre, assignors.

Cibulka, Alois, Highlands, Tex. Derrick. 2,381,647; Aug. 7.

Clare, Charles H., assignor to Clare-Collets Limited, Salford, England. Chuck for drills, reamers, milling cutters and like tools. 2,381,335; Aug. 7.

Clare-Collets Limited: *See*—
Clare, Charles H., assignor.

Clarin, Werner E., assignor of one-half to A. J. Jacobson, Chicago, Ill. Locking device for folding chairs. 2,381,574; Aug. 7.

Clark, Arthur R., Hamilton, Ontario, Canada. Mechanical movement. 2,381,112; Aug. 7.

Clark Equipment Company: *See*—
Dunham, E. J., and Mulvany, assignors.

Clark, Milton A., Mexico, Mo. Metal boring tool. 2,381,806; Aug. 7.

Clayson, Harry F., New Lenton, Nottingham, assignor to Simmonds Development Corporation Limited, London, England. Lock nut. 2,381,206; Aug. 7.

Climax Molybdenum Company: *See*—
Linz, Arthur, assignor.

Coffey, Irven E., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump. 2,381,259; Aug. 7.

Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Eelectric Company. Control of electric switches. 2,381,336; Aug. 7.

Cohen, Samuel A., Berkeley, C. D. Thurmond, El Cerrito, and L. S. Read, Piedmont, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Floor covering drying oil vehicle and process therefor. 2,381,486; Aug. 7.

Coker, John B., San Diego, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling score projector. 2,381,260; Aug. 7.

Cole, Edward J., Peekskill, N. Y., assignor to Cole Machinery Mfg. Corp. Cold rolled grip bolt. 2,380,944; Aug. 7.

Cole Machinery Mfg. Corp.: *See*—
Cole, Edward J., assignor.

Coleman, Philip G., assignor of one-fourth to R. Troxel, Cincinnati, Ohio. Closure. 2,381,207; Aug. 7.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuits for railroads. 2,381,722; Aug. 7.

Colgate-Palmolive-Peet Company: *See*—
Ross, John, assignor.

Collins, Paul F., assignor to Austenal Laboratories, Inc., Chicago, Ill. Refractory mold. 2,380,945; Aug. 7.

Columbus Coated Fabrics Corporation: *See*—
Hyatt, C. S., and Kerr, assignors.

Commercial Solvents Corporation: *See*—
Senkus, Murray, assignor.
Stengel, L. A., and Maple, assignors.
Tryon, Philip F., assignor.

Conkle, Carl J., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,380,927; Aug. 7.

Conmar Products Corporation: *See*—
Mikulas, William, assignor.

Consolidated Vultee Aircraft Corporation: *See*—
Hall, Theodore P., assignor.
Livers, Carlos B., assignor.

Container Corporation of America: *See*—
Arthur, William H., assignor.
Lowey, Roy E., assignor.

Continental Can Company, Inc.: *See*—
Kimmig, E. W., and Peters, assignors.

Control Instrument Company, Inc.: *See*—
Lehde, Henry, assignor.

Cook, Alton A., Glen Ridge, and E. B. Whitworth, Hillside, assignors to Arkansas Company, Inc., Newark, N. J. Formation of fire-retardant and water-repellent finishes. 2,381,487; Aug. 7.

Cook, Earle S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and power interlock apparatus. 2,381,208; Aug. 7.

Cook, George W., Los Angeles, Calif. Blind rivet. 2,381,113; Aug. 7.

Cooke, William T., Huntington, and K. L. Schussman, Hempstead, assignors to Sperry Gyroscope Company, Brooklyn, N. Y. Tuning control mechanism. 2,380,946; Aug. 7.

Coombes, Joseph H.: *See*—
Eksergian, C. L., and Coombes.

Cooney, Mark: *See*—
Booharin, Leo Y., assignor.

Cooper, William A.: *See*—
Macdonald, W. G., and Cooper.

Cornthwaite, William R., Niagara Falls, and N. D. Scott, Sanborn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl trimethyl acetate and synthetic resins made therefrom. 2,381,338; Aug. 7.

Cory Glass Coffee Brewer Co., Not Inc.: *See*—
Alsdorf, James W., assignor.

Cota, Alvin F., assignor to A. O. Smith Corporation, Milwaukee, Wis. X-ray film holder. 2,381,261; Aug. 7.

Cotton, William J., Chicora, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Purification of dihydroxy benzene compounds. 2,381,209; Aug. 7.

Cotton, William J., Chicora, assignor to Pennsylvania Coal Products Company, Petrolia, Pa. Production of zingerone. 2,381,210; Aug. 7.

Cotton, William Limited: *See*—
Macdonald, W. G., and Cooper, assignors.

Cottrell, Herbert, Point Pleasant, N. J. Device for making rosettelike articles. 2,381,337; Aug. 7.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Friction absorbing device. 2,381,404; Aug. 7.

Coulson, Walter, assignor to Ex-Cell-O Corporation, Detroit, Mich. Rotary spindle drive. 2,381,488; Aug. 7.

Cox, Charles W.: *See*—
Wicker, D. B., and Cox.

Cox, Jesse C., Robbinsdale, Minn. Safety climbing device. 2,381,114; Aug. 7.

Cozzoli, Frank J., Plainfield, N. J. Tube aligning mechanism. 2,381,436; Aug. 7.

Cranston, Lawrence: *See*—
Muller, J. A., and Cranston.

Crew, Morris W., and G. A. Short, assignors to The Hotstream Heater Company, Cleveland, Ohio. Control means for draft regulators. 2,381,437; Aug. 7.

Crist, Robert W., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car dumper. 2,381,723; Aug. 7.

Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric decelerometer. 2,381,211; Aug. 7.

Crompton & Knowles Loom Works: *See*—
Darwin, Clifford, assignor.
Turner, Richard G., assignor.

Crosby, David R., Haddonfield, N. J., assignor to Radio Corporation of America. Resistor. 2,381,724; Aug. 7.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Wave length modulator and control means. 2,380,947; Aug. 7.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Electronic motor control. 2,380,948; Aug. 7.

Crowe Chemical Company: *See*—
Crowe, Morton B., assignor.

Crowe, Morton B., assignor to Crowe Chemical Company, Tulsa, Okla. Medicament vehicles or emulsions. 2,381,262; Aug. 7.

Cubberley, Mitchell H., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Collapsible tube folding apparatus. 2,381,717; Aug. 7.

Cumming, James M.: *See*—
Peek, H. L., and Cumming.

Cummings, Ira R.: *See*—
Pegg, E. H., and Cummings.

Curry, Robert S., Jr., Baldwin, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Controlling means for gyro instruments. 2,381,438; Aug. 7.

Curtis Companies Incorporated: *See*—
Bell, Forrest F., assignor.

Curtis, Frank W., Springfield, Mass., assignor to Van Norman Company. Spark gap. 2,381,648; Aug. 7.

Cutler-Hammer, Inc.: *See*—
Lassen, E. U., and Newman, assignors.

Dalton, Samuel L., Ysleta, Tex. Power spraying machine. 2,381,649; Aug. 7.

Danielson, Raymond W., Chicago, Ill. Calculating device. 2,381,424; Aug. 7.

D'Anna, Anthony J., et al.: *See*—
Rainsford, Thomas F., assignor.

Darling, Chester A.: *See*—
Darling, Nathan C., and C. A.

Darling, Nathan C., Shelton, Conn., and C. A. Darling, McClellan Field, Calif. Mason's implement. 2,381,263; Aug. 7.

Darwin, Clifford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin magazine for weft replenishing looms. 2,381,725; Aug. 7.

Davidson, John T., assignor to The Standard Register Company, Dayton, Ohio. Strip burster. 2,380,949; Aug. 7.

Davis, Elmer E., and T. F. Stevens, Newton Falls, assignors to The Thomas Steel Company, Warren, Ohio. Method of and means for removing burr from strips. 2,381,807; Aug. 7.

Davis, Elmer E., and T. F. Stevens, Newton Falls, assignors to The Thomas Steel Company, Warren, Ohio. Producing bevel edges on metal strip and the like. 2,381,808; Aug. 7.

Davis, Lincoln K., Brockton, Mass. Lighter for cigarettes and the like. 2,381,726; Aug. 7.

Davison, Leona, et al.: *See*—
Root, Joseph M., assignor.

Davison, Walter E., et al.: *See*—
Root, Joseph M., assignor.

Davy, Lee G.: *See*—
Von Bramer, H., and Davy.

Dawson, Arthur L. B.: *See*—
Meredew, G. C., and Dawson, assignors.

Dawson, George H., Needham, Mass., and P. O. Unger, Elmhurst, assignors to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,381,040; Aug. 7.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,380,950; Aug. 7.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Automatic and semiautomatic telephone exchange system. 2,381,727; Aug. 7.

Deal, Troy M., and W. Baker, Cedar Rapids, Iowa, assignors to Link-Belt Speeder Corporation. Stabilizer. 2,381,425; Aug. 7.

Decker, Ferdinand A., Jr., and P. G. Woodward, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for evaluating thread tensioning devices. 2,380,951; Aug. 7.

Deere & Company: *See*—
Cantral, John I., assignor.
Stueland, Harold M., assignor.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. New chemical compound and making same. 2,381,115; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Ester-linked acyl amides and making same. 2,381,116; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Ester-linked acyl amides and making same. 2,381,117; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain ester-linked acylated derivatives of polyamino ether alcohols and making same. 2,381,118; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Ester-linked acylated aminoalcohols and making same. 2,381,575; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain subresinous esterification derivatives of acylated polyamines and making same. 2,381,576; Aug. 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Subresinous esterification derivatives of hydroxylated amides and making same. 2,381,577; Aug. 7.

De Jong, Johan J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of saturated hydrocarbons. 2,381,041; Aug. 7.

Delaney, Cyril Terence, and Gallay, Limited: *See*—
Belaieff, James F., assignor.

De Laval Steam Turbine Company: *See*—
Sennet, Morgan B., assignor.

De Leeuw, Frederick J. G.: *See*—
Schmelkes, F. C., and de Leeuw.

Dembenski, Joseph E., New York, N. Y. Sanitary dental floss holder. 2,381,530; Aug. 7.

Denison, Walter A.: *See*—
Wilkes, B. G., and Denison.

Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronizing control system. 2,381,264; Aug. 7.

Designers for Industry, Inc.: *See*—
Lanese, Donald C., assignor.

De Stramp, Louise: *See*—
Hinton, O. A., and De Stramp.

Detroit Lubricator Company: *See*—
Von Wangenheim, Adolf, assignor.

Dew, Stanley J., Toronto, Ontario, Canada. Flexible support for artificial legs. 2,381,265; Aug. 7.

Dewey, Clarence L., Elkhart, Ind. Propeller shaft. 2,380,952; Aug. 7.

Dick, Joseph A., Greenock, Pa. Cutting fluid pump unit for drilling machines. 2,381,650; Aug. 7.

Dickens, L. A., Co., Inc.: *See*—
Dickens, Lonnie A., assignor.

Dickens, Lonnie A., Archdale, assignor to L. A. Dickens Co., Inc., High Point, N. C. Valve mechanism. 2,381,651; Aug. 7.

Dickey, Joseph B.: *See*—
McNally, J. G., and Dickey.

Diera, Lewis G.: *See*—
Knudsen, Percy E., and Diera.

Dietz, Douglas, Smithton, Ill. Carcass saw. 2,381,489; Aug. 7.

Dill, Gilbert D., Wilmette, Ill., assignor to Standard Oil Development Company, New York, N. Y. Facilitating and controlling chemical reactions or physical treatments. 2,381,119; Aug. 7.

Dillon, Lyle, San Gabriel, and E. G. Ragatz, San Marino, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus and method for coalescing foam. 2,381,578; Aug. 7.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Interferometer. 2,381,728; Aug. 7.

Dishauzi, Steve J., Hollidays Cove, W. Va., assignor to National Steel Corporation. Continuous strip pickling. 2,381,652; Aug. 7.

Distillers Company Limited, The: *See*—
Staudinger, H. P., and Tuerck, assignors.
Staudinger, H. P., Tuerck, and Brighton, assignors.
Wood, W. L., and Bowen, assignors.

Doman, Carl T., Geddes, assignor to Aircooled Motors Corporation, Syracuse, N. Y. Valve lubricating system for internal-combustion engines. 2,381,339; Aug. 7.

Doran Brothers, Incorporated: *See*—
Schultze, Paul, assignor.

Douglas Aircraft Company, Inc.: *See*—
Boyd, Leo B., assignor.

Douglas, George A.: *See*—
Campbell, J. S., Brown, and Douglas.

Douglas, H. A., Manufacturing Co.: *See*—
Beal, Fay, assignor.

Douglas, H. A., Mfg. Co.: *See*—
Bolley, H. C., and Johnson.

D'Ouville, Edmond L., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,381,439; Aug. 7.

Dow Chemical Company, The: *See*—
Chisholm, Douglas S., assignor.
Griswold, Thomas, Jr., assignor.
Stowe, Stephen C., assignor.

Drake, Charles E., Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y. Abrasive articles. 2,381,266; Aug. 7.

Drake, Charles E., Bloomfield, N. J., assignor to United States Rubber Company, New York, N. Y. Abrasive articles. 2,381,267; Aug. 7.

Drapeau, Joseph E., Jr., Calumet City, Ill., assignor to The Glidden Company, Cleveland, Ohio. High density compressible iron powder and process. 2,381,440; Aug. 7.

Draper Corporation: *See*—
Brown, Carl D., assignor.

Drissner, Alfred E., and W. J. Hogg, assignors to The National Acme Company, Cleveland, Ohio. Stock stop for metalworking machines. 2,381,441; Aug. 7.

Drummond, Folsom E., Metuchen, N. J., assignor to New Wrinkle, Inc., Wilmington, Del. Producing rapid drying coating compositions. 2,381,653; Aug. 7.

Dubassoff, Dmitri T., New York, N. Y. Structural beam. 2,380,953; Aug. 7.

Dubner, Harry J., Forest Hills, N. Y. Foundation garment. 2,381,442; Aug. 7.

Dudley, J. K., Philadelphia, Pa. Shuttle. 2,381,042; Aug. 7.

Dueweke, Florian G., Detroit, Mich. Awning. 2,380,928; Aug. 7.

Duncan, Walter E., Rosiclare, Ill., assignor to Mahoning Mining Company, Youngstown, Ohio. Reducing barite in fluorspar concentrate. 2,381,120; Aug. 7.

Dunham, Elmer J., and K. E. Mulvany, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,381,729; Aug. 7.

Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Pear peeler stemming tube brake assembly. 2,380,954; Aug. 7.

Du Pont, E. I., de Nemours & Company: *See*—
Carter, A. S., and Johnson, assignors.
Carter, A. S., and Willett, assignors.
Cornthwaite, W. R., and Scott, assignors.
Green, Howard D., assignor.
Iler, Ralph K., assignor.
Korb, E. L., and Sabina, assignors.
Shannon, Olyn W., assignor.

Dupuis, Ervin F., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Oven burner lighter. 2,381,152; Aug. 7.

Durdin, Augustus C., III, Skokie, Ill. Sewage treating apparatus. 2,381,579; Aug. 7.

Duriron Company, Inc., The: *See*—
Jacobsen, Oystein, assignor.

Eastman, Fred S., Seattle, Wash. Scale compensator. 2,381,268; Aug. 7.

Eastman, Harold, College Point, N. Y. Clamping device. 2,381,340; Aug. 7.

Eastman Kodak Company: *See*—
Carroll, B. H., and Spence, assignors.
McNally, J. G., and Dickey, assignors.
Von Bramer, H., and Davy, assignors.

Eastman, Lewis A.: *See*—
Elwood, Harland D., assignor.

Eby, Hugh H., Jenkintown, Pa. Plug-in device and socket receptacle. 2,380,955; Aug. 7.

Edgar, Kenneth L.: *See*—
Stavely, F. W., Edgar, and Hoffman.

Edison, Thomas A., Incorporated: *See*—
Adams, Joseph C., assignor.
Proctor, George N., assignor.

Edmonds, Asbury S., New York, N. Y. Brake. 2,381,654; Aug. 7.

Edmonds, Asbury S., Lowry Field, Colo. Brake. 2,381,655; Aug. 7.

Edson, Clarence E.: *See*—
Hunsdorf, William P.

Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Cargo sling hook. 2,381,531; Aug. 7.

Einbinder, Morris A., Denver, Colo. Garment. 2,381,580; Aug. 7.

Eisner, Abner: *See*—
Woodward, C. F., Eisner, and Haines.

Eitel-McCullough, Inc.: *See*—
Eitel, W. W., and McCullough, assignors.

Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electronic tube. 2,381,490; Aug. 7.

Eksergian, Carolus L., and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Work handling mechanism. 2,381,656; Aug. 7.

Eksergian, Carolus L., and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Work clamping mechanism. 2,381,657; Aug. 7.

Electric Steel Foundry: *See*—
Ehmann, Leslie G., assignor.

Elmendorf, Armin, Winnetka, and M. Lieff, Chicago, Ill. Making thick hardboard. 2,381,269; Aug. 7.

Ellis, Robert P., Belleville, N. J. Ball bearing. 2,381,730; Aug. 7.

Elwood, Harland D., Detroit, assignor to Lewis A. Eastman, Wyandotte, Mich. Fire escape chute. 2,381,809; Aug. 7.

Elwood, Harland D., Detroit, assignor to Lewis A. Eastman, Wyandotte, Mich. Fire escape chute support. 2,381,810; Aug. 7.

Elwood, Harland D., Detroit, assignor to Lewis A. Eastman, Wyandotte, Mich. Fire escape apparatus. 2,381,811; Aug. 7.

Elwood, Harland D., Detroit, assignor to Lewis A. Eastman, Wyandotte, Mich. Fire escape apparatus for aerial ladder trucks. 2,381,812; Aug. 7.

Emery Industries, Inc.: *See*—
Shields, William H., assignor.

Emmerton, John T., Birmingham, assignor, by mesne assignments, to British Timken Limited, Aston, Birmingham, England. Guiding gauges. 2,381,491; Aug. 7.

Engstrom, Andrew G.: *See*—
Levinson, A. A., Julian, and Engstrom.

Entringer, Engelbert, Sheboygan, Wis. Hoop stick. 2,381,581; Aug. 7.

Enz, Vern E., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing assembly. 2,381,270; Aug. 7.

Epst, Joseph, Chicago, Ill. Treatment of animal tissue. 2,381,813; Aug. 7.

Erdahl, Nicholas M., assignor to Trackson Company, Milwaukee, Wis. Revolving crane. 2,381,731; Aug. 7.

Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation products of triazines and substitute triazines with alkylene oxides. 2,381,121; Aug. 7.

Erickson, Carl V., assignor to Air Communications, Inc., Kansas City, Mo. Pressure switch. 2,381,582; Aug. 7.

Eureka Vacuum Cleaner Company: *See*—
Lloyd, Milby W., assignor.

Evarts, Ralph E., Aurora, assignor to The Bastian Blessing Co., Chicago, Ill. Throwover regulator. 2,380,956; Aug. 7.

Evering, Bernard L.: *See*—
D'Ouville, E. L., and Evering.

Eves, Frederick S., assignor to Automotive Products Company Limited, Leamington Spa, England. Fluid pressure remote control system. 2,381,814; Aug. 7.

Ex-Cell-O Corporation: *See*—
Coulson, Walter, assignor.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 2,381,212; Aug. 7.

Farmer, Frank H., deceased, by M. E. Farmer, executrix, Hinsdale, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Booster regulator. 2,381,271; Aug. 7.

Farmer, Millie E., executrix: *See*—
Farmer, Frank H.

Farnsworth, Fordyce B.: *See*—
Hanlon, R. H., and Farnsworth.

Fasken, Norman R.: *See*—
Andersen, A. H., and Fasken.

Fechheimer, Carl J., Milwaukee, Wis. Cooling means for dynamoelectric machines. 2,381,122; Aug. 7.

Fechtenburg, Jörgen F. H., Cheltenham Township, Montgomery County, Pa. Airplane carrier. 2,381,583; Aug. 7.

Federal Electric Company, Inc.: *See*—
Kopp, Carl J., assignor.

Federal Telephone & Radio Corporation: *See*—
Boehlen, C. F. J., and Biske, assignors.
Frankel, Sidney, assignor.
Iden, Floyd W.
Ryan, Albert O., assignor.

Feenaughty Machinery Co.: *See*—
Baker, Rhea V., assignor.

Feldtkeller, Carl L., assignor to Solar Corporation, Milwaukee, Wis. Transfer mechanism for grid panels. 2,380,957; Aug. 7.

Feldtkeller, Carl L., assignor to Solar Corporation, Milwaukee, Wis. Transfer mechanism for grid panels. 2,381,153; Aug. 7.

Fell, Hugh P.: *See*—
Lemmel, P. T., and Fell.

Felt and Tarrant Manufacturing Company: *See*—
Turck, Joseph A. V., assignor.

Fenner, Gladys M., Cleveland, Ohio. Stepladder. 2,381,492; Aug. 7.

Fernelius, Willis C.: *See*—
Campbell, F. L., and Fernelius.

Fessler, William A., Camillus, assignor to The Solvay Process Company, New York, N. Y. Removing volatile organic material. 2,381,658; Aug. 7.

Filburn, John H., Detroit, Mich. Hold-down device. 2,381,815; Aug. 7.

Finley, James A., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Recovery of essential oils. 2,381,732; Aug. 7.

Firestone Tire & Rubber Company, The: *See*—
Alderfer, Sterling W., assignor.
Beach, Howard P., Jr., assignor.
Bosomworth, George P., assignor.
Brown, Roy W., assignor.
Carr, Edward L., assignor.
Carter, Mitchell, assignor.
Hale, James E., assignor.
Kuhn, Max O., assignor.
Riesing, Mabel P., assignor.
Smith, George E. P., Jr., assignor.
Smith, G. E. P., Jr., and Carr, assignors.
Stavely, F. W., Edgar, and Hoffmann, assignors.
Steinel, George E., assignor.
Stevens, Horace D., assignor.
Tann, William E., assignor.
Vanke, Louis J., assignor.
Weber, F. A., and Gregg, assignors.

Fischer, Eugene H., Derry, assignor Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple die equalizer. 2,381,272; Aug. 7.

Fischer, Friedrich E., Zurich, Switzerland. Adjustable network. 2,381,733; Aug. 7.

Fite, Preston L.: *See*—
Joyce, Thomas M., and Fite.

Fletcher, Ed, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for attenuating fibers. 2,380,915; Aug. 7.

Fletcher Works, Incorporated: *See*—
Bartholomew, Robert J., assignor.

Flower, Guiles, Jr.: *See*—
Bludworth, J. E., and Flower.

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,381,123; Aug. 7.

Focht, Nevin S., Syracuse, N. Y. Shock absorber. 2,381,532; Aug. 7.

Folkins, Hillis O., Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,380,958; Aug. 7.

Forman, Benjamin, Stelton, N. J. Imparting gyratory and other motions to flexible tubular members. 2,381,213; Aug. 7.

Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Motor armature. 2,381,533; Aug. 7.

Foster Wheeler Corporation: *See*—
Scott, Norris A., Jr., assignor.

Four Wheel Drive Auto Company, The: *See*—
Simonds, George D., assignor.

Fowler, John T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Crusher. 2,381,661; Aug. 7.

Fowler, Victor M., Spokane, Wash. Ladder. 2,381,154; Aug. 7.

Frank, Louis, Fellows, Calif. Safety razor. 2,381,043; Aug. 7.

Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency changing signal generating system. 2,380,959; Aug. 7.

Franklin, Hubert F., Baldwin, N. Y., assignor to Republic Aviation Corporation. Aircraft gun mount. 2,381,341; Aug. 7.

Franz, Chester B., Brentwood, Mo., assignor of one-half to Barker Poultry Equipment Company. Poultry handling method. 2,381,044; Aug. 7.

Fraser, Harold M., assignor to International Lubricant Corporation, New Orleans, La. Production of lubricants. 2,380,960; Aug. 7.

Fraser, Malcolm W., trustee: *See*—
Parsons, John B., assignor.

Frederick, George J., Portsmouth, Ohio. Bomb protector. 2,381,534; Aug. 7.

Freeland Spool and Bobbin Corp.: *See*—
Markle, George B., Jr., assignor.

Frey, Frederick E. Bartlesville, Okla., assignor to Phillips Petroleum Company. Regeneration of catalytic material. 2,381,659; Aug. 7.

Friedlander, Jean, Brooklyn, N. Y. Calculating machine. 2,381,660; Aug. 7.

Frieman, Jacob G., Tiffin, Ohio. Undergarment. 2,381,816; Aug. 7.

Froehlich, Kurt, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Indicator drive for reciprocating engines. 2,381,273; Aug. 7.

Frommer, Joseph C., assignor to Rolling & Engraving Mills, Inc., Chicago, Ill. Electric circuits. 2,381,155; Aug. 7.

Frostick, Harold G.: *See*—
Baker, R. M., Frostick, and Whittaker.

Frostick, Harold G., Pittsburgh, and E. M. Sollie, Saxonburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inductive heating coil. 2,381,274; Aug. 7.

Fuller, Everett W.: *See*—
Angel, H. S., Fuller, and Berger.

Fulleton, Lee W., Portland, Oreg. Welding holder for metal pipes and bars and the like. 2,381,584; Aug. 7.

Furter, Max F., Upper Montclair, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Manufacture of improved hulled rice. 2,381,342; Aug. 7.

Further, Max F., Upper Montclair, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Manufacture of improved hulled rice. 2,381,343; Aug. 7.

Fyksen, Johnny W., Rawlins, Wyo. Fuel supplying apparatus. 2,380,961; Aug. 7.

Galvin Manufacturing Corporation: *See*—
Holthouse, Harry B., assignor.

Gambrell, Ernest C., Wichita Falls, Tex. Fuel injection pump. 2,381,585; Aug. 7.

Gammel, John A., assignor to Isaacson Iron Works, Seattle, Wash. Tongs. 2,381,045; Aug. 7.

Gantz, Marvin E., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold chill. 2,381,734; Aug. 7.

Gantz, Marvin E., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold chill. 2,381,735; Aug. 7.

Gardner, Percy, Glen Ridge, N. J., and R. Kagan, Brooklyn, assignors of Lever Bias Machine Corporation, New York, N. Y. Sewing apparatus. 2,381,817; Aug. 7.

Garner, Walter, Menston in Wharfedale, assignor to Lister and Company, Limited, Bradford, England. Thermal insulation material made from fibrous substances. 2,381,214; Aug. 7.

Garraway, George C., Rutherford, N. J. Photographic printing machine. 2,380,962; Aug. 7.

Gaudin, Antoine M., Newtonville, Mass. Concentration of ores. 2,381,662; Aug. 7.

Gaylor, Peter J.: *See*—
Baldeschwieler, E. L., and Gaylor.

Geigy, J. R., A. G.: *See*—
Krebser, A., and Bossard, assignors.

Gemmel, Wilbur R., Wheaton, assignor to Teletype Corporation, Chicago, Ill. Tape reel. 2,381,535; Aug. 7.

General Aircraft Equipment, Inc.: *See*—
Levy-Savoye, Charles, assignor.

General Aniline & Film Corporation: *See*—
Von Glahn, W. H., Walsh, and Streck, assignors.

General Electric Company: *See*—
Ayers, Edgar H., assignor.
Coggeshall, Thellwell R., assignor.
Kenefake, Edwin W., assignor.
McFarland, George L., Jr., assignor
Minneci, Salvatore, assignor.
Morey, Arthur H., assignor.
Patnode, Winton I., assignor.
Patnode, W. I., and Sauer, assignors.
Patnode, W. I., and Schiessler, assignors.
Rochow, Eugene G., assignor.
Rochow, E. G., and Patnode, assignors.
Sauer, Robert O., assignor.
Sprung, M. M., and Gilliam, assignors.
Stephens, Howard O., assignor.
Terpak, S., and Wetherill, assignors.
Traver, Oliver C., assignor.
Warrington, Albert R. van C., assignor.

General Electric Company Limited: *See*—
Saunders, Charles W., assignor.

General Finance Corporation: *See*—
Iler, George A., assignor.

General Motors Corporation: *See*—
Jones, Kenneth L., assignor.
Lillquist, Torsten O., assignor.
Salisbury, Carl D., assignor.

General Printing Ink Corporation: *See*—
Irion, Clarence E., assignor.

General Railway Signal Company: *See*—
Coley, Nelson B., assignor.

General Timber Service, Inc.: *See*—
Hammond, Richard N., assignor.

General Tire & Rubber Company, The: *See*—
Riefenstahl, Lester A., assignor.

George, Howard: *See*—
Mellor, Fred, assignor.

Gill, John B., San Francisco, and T. L. Smith, South San Francisco, Calif. Pipe-cutting tool. 2,381,156; Aug. 7.

Gillette, C. F.: *See*—
Gray, Roy O., assignor.

Gilliam, William F.: *See*—
Sprung, M. M., and Gilliam.

Giorgi, Adelmo, assignor of one-third to B. Pasquasi, Highwood, and one-third to C. E. Worsfold, Wilmette, Ill. Comb attachment for hair clippers. 2,381,046; Aug. 7.

Gleason Works: *See*—
Wildhaber, Ernest, assignor.

Glekler, John T., Cleveland, Ohio, assignor to Air Reduction Company, Incorporated. Fastening device. 2,381,047; Aug. 7.

Glidden Company, The: *See*—
Drapeau, Joseph E., Jr., assignor.
Levinson, A. A., Jullan, and Engstrom, assignors.

Glines, Frederick S., East Lynn, assignor to Lorenz F. Muther, Newton Center, Mass. Machine for forming and reinforcing cutouts. 2,381,818; Aug. 7.

Globe Slicing Machine Co. Inc.: *See*—
Waage, John J., assignor.

Godfrey, Kenneth L.: *See*—
Blake, E. S., and Godfrey.

Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Making brake actuating means. 2,381,736; Aug. 7.

Goepfrich, Rudolph A., and B. E. House, assignors to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,381,737; Aug. 7.

Golay, Marcel J. E., Long Branch, N. J. Antiaircraft flare. 2,381,443; Aug. 7.

Goldfine, Wesley R., assignor to Airoast Corporation, Chicago, Ill. Roasting coffee or the like. 2,381,493; Aug. 7.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Directional ground preference relaying. 2,381,277; Aug. 7.

Goodman Manufacturing Company: *See*—
Bergmann, Ernst R., assignor.
Cartlidge, Frank, assignor.

Goodrich, B. F., Company, The: *See*—
Jones, Paul C., assignor.
Kling, Frederick E., assignor.
Stewart, William D., assignor.

Goss Printing Press Company, The: *See*—
Worthington, Emory W., assignor.

Grannan, Clara M., Indianapolis, Ind. Cap. 2,381,738; Aug. 7.

Graves, Arnold, Surbiton, and G. A. R. Tomes, West Wickham; said Tomes assignor to Alltools, Limited, Brentford, England. Thermocouple. 2,381,819; Aug. 7.

Gray, Reid B., Dundalk, assignor to The Glenn L. Martin Company, Middle River, Md. Hidden barrier. 2,381,739; Aug. 7.

Gray, Roy O., assignor of one-half to C. F. Gillette, Denver, Colo. Metals recovery apparatus. 2,381,157; Aug. 7.

Green, Howard D., Pasadena, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of HCN and catalyst therefor. 2,381,344; Aug. 7.

Green, Isaac H. C., and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,381,275; Aug. 7.

Green, James H., West Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing apparatus. 2,381,586; Aug. 7.

Green, Oscar, Detroit, Mich. Venetian blind. 2,381,158; Aug. 7.

Greenlaw, Alfred L., New Britain, Conn. Grill. 2,381,345; Aug. 7.

Greenleaf, Robert M., and J. L. Hunt, Grosse Pointe, Mich., assignors to M. L. Trust, F. R. Pendleton, trustee. Wheel gauging instrument. 2,381,276; Aug. 7.

Greenman, Hugh M., assignor to Woodward Governor Company, Rockford, Ill. Governor adjusting mechanism. 2,380,963; Aug. 7.

Gregg, David, Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Regulator. 2,381,346; Aug. 7.

Gregg, Harry H.: *See*—
Weber, F. A., and Gregg.

Gregory, Luther W., Baltimore, and S. S. Schneider, Halethorpe, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inductive heating coil shielding. 2,381,278; Aug. 7.

Grelson, Peter, Minneapolis, Minn. Lawn sprinkler. 2,381,740; Aug. 7.

Greneker, Lillian L., New York, N. Y. Display head. 2,381,663; Aug. 7.

Griffin, Ira L., D. E. Truax, and N. H. Nuttall, Charlotte, N. C., assignors to Stein, Hall & Company, Inc., New York, N. Y. Treatment of textile materials. 2,381,587; Aug. 7.

Griswold, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Recovery of magnesium. 2,381,405; Apg. 7.

Grosse, Aristid V., and W. J. Mattox, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,381,820; Aug. 7.

Grosser, Christian E., Winchester, Mass., assignor to Standard Machinery Company, Cranston, R. I. Pump or motor unit. 2,381,741; Aug. 7.

Grover, Elliott E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety device. 2,380,964; Aug. 7.

Grusenmeyer, Nettie F., San Francisco, Calif. Toy. 2,381,536; Aug. 7.

Grusenmeyer, Nettie F., San Francisco, Calif. Toy. 2,381,537; Aug. 7.

Guardian Electric Manufacturing Co.: *See*—
Nelsen, Marvin G., assignor.
Obszarny, Thedore, assignor.

Gudkov, Marie, New York, N. Y. Musical game board. 2,381,347; Aug. 7.

Guirl, Howard P., Munster, Ind., assignor to The Superheater Company, New York, N. Y. Resistance welding metallic strips to metallic bodies. 2,381,742; Aug. 7.

Gulbransen, Capron R., Wilmette, assignor to National Live Stock and Meat Board, Chicago, Ill. Indicating instrument. 2,381,494; Aug. 7.

Gulf States Paper Corporation: *See*—
Hodges, Paul, assignor.

Gumz, Herman H., Newark, N. J. Ladder construction. 2,381,348; Aug. 7.

Guyer, Jesse A.: *See*—
Schulze, W. A., and Guyer.

Haberkorn, Matthew J., Oak Park, Ill. Fish lure. 2,381,279; Aug. 7.

Habostad, Arne, Fairbanks, Alaska. Applicator. 2,381,048; Aug. 7.

Hagen, Eugene F., St. Louis, and H. E. Muench, University City, Mo. Clamp. 2,381,349; Aug. 7.

Hahn, Otto W., assignor to Industrial Research Laboratories, Ltd., San Francisco, Calif. Burner control apparatus. 2,381,215; Aug. 7.

Haines, Paul G.: *See*—
Woodward, C. F., Eisner, and Haines.

Hale, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bead lock. 2,381,382; Aug. 7.

Hale, Walter S.: *See*—
Balls, A. K., and Hale.

Hull, Asa W., Watseka, Ill. Ground working tool lift. 2,381,588; Aug. 7.

Hall, Elmo, Denver, Colo. Combined coat and skirt hanger. 2,381,159; Aug. 7.

Hall, Erik H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,381,353; Aug. 7.

Hall, Frank W., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treating plastic compositions. 2,381,495; Aug. 7.

Hall, Theodore P., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplane fairings. 2,381,350; Aug. 7.

Hamilton Watch Company: *See*—
Mentzer, Ralph B., assignor.

Hammond, Richard N., Longview, Wash., assignor to General Timber Service, Inc., St. Paul, Minn. Preservation and fireproofing of wood. 2,381,049; Aug. 7.

Handelsman, Bert, West Bridgewater, Pa. Safety shoe tee. 2,381,280; Aug. 7.

Hanlon, Robert H., and F. B. Farnsworth, assignors to The Ohio Injector Company, Wadsworth, Ohio. Injector. 2,381,216; Aug. 7.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing and positioning apparatus. 2,381,160; Aug. 7.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio system. 2,381,444; Aug. 7.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse transmission system. 2,381,445; Aug. 7.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Generating currents for non-signaling purposes. 2,381,496; Aug. 7.

Hansen, Carl V., Cedar Falls, Iowa. Hydraulic lift. 2,381,664; Aug. 7.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical relay system. 2,381,281; Aug. 7.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Faulted phase selector. 2,381,282; Aug. 7.

Hardinge Company, Inc.: *See*—
Hardinge, Harlowe, assignor.

Hardinge, Harlowe, assignor to Hardinge Company, Inc., York, Pa. Feeding material to grinding mills. 2,381,351; Aug. 7.

Hardinge, Mervyn G., Loma Linda, Calif. Fracture reducing device. 2,381,050; Aug. 7.

Hardy, René: *See*—
Ahier, J., and Hardy.

Harford, Charles G., Wollaston, Mass., assignor, by mesne assignments, to Jefferson Electric Company, Bellwood, Ill. Electrical insulating material. 2,381,163; Aug. 7.

Harley, Stanley J., and J. E. Wainwright, Coventry, England. Thread grinding machine. 2,381,051; Aug. 7.

Harmon, Bennett B., Jamaica, N. Y. Aircraft control column. 2,381,217; Aug. 7.

Harman, Emil: *See*—
Jensen, D. H. L., and Harman.

Harred, George H., East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Carton-blank handling apparatus for wire-stitching machines. 2,381,743; Aug. 7.

Harris, Frederic R., New York, N. Y., assignor to New Jersey Shipbuilding Corporation, Barber, N. J. Equipment for shipbuilding. 2,381,446; Aug. 7.

Harris, Henry H., Champaign, Ill. Muffle. 2,381,538; Aug. 7.

Hart, Joseph F., assignor to Kelite Products, Inc., Los Angeles, Calif. Composition for cleaning metal such as aluminum and magnesium. 2,381,124; Aug. 7.

Hartford National Bank and Trust Company: *See*—
Jadraque, J. M., and Cavallero, assignors.

Hartford National Bank and Trust Company, The, trustee: *See*—
Richards, Claude L., assignor.

Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,381,539; Aug. 7.

Harvey, Earle M., Springfield, Mass. Front sight for firearms. 2,380,965; Aug. 7.

Hass, Henry B., West Lafayette, Ind., and W. R. McElroy, Beacon, N. Y., assignors to Purdue Research Foundation, Lafayette, Ind. Aliphatic dinitro tetranitrates. 2,381,406; Aug. 7.

Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Mounting testing apparatus. 2,381,283; Aug. 7.

Hathaway Instrument Company: *See*—
Hathaway, Claude M., assignor.

Hayes Industries, Inc.: *See*—
Hollerith, Charles, assignor.

Hayes, Stanley A., Berkeley, Calif. System and apparatus for distributing liquid solutions. 2,381,589; Aug. 7.

Hayter, Bruce, assignor to Oil Devices, Santa Fe, N. Mex. Pot type burner and improved air admission means therefor. 2,381,744; Aug. 7.

Heath, William C.: *See*—
Allen, L. B., and Heath.

Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Indexing airplane propeller blade. 2,381,284; Aug. 7.

Heatton, Walter H., Franklin, Mass. Shoe stiffener. 2,381,590; Aug. 7.

Hedene, Edwin E., Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Fluid pressure operated valve. 2,381,447; Aug. 7.

Hedin, Oscar C., Cleveland Heights, assignor to The Weldon Tool Company, Cleveland, Ohio. Shadow screen inspection and method and article related to the same. 2,381,164; Aug. 7.

Helix Gage Works: *See*—
Back, Franz G., assignor.

Helleberg, Tore, Stockholm, and S. Malmström, Linkoping, Sweden. Device for determining the volume of gas or liquid in receptacles. 2,381,821; Aug. 7.

Hemphill Company: *See*—
Green, I. H. C., and Pierre, assignors.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Antifriction alloy. 2,381,497; Aug. 7.

Hercules Powder Company: *See*—
Scrutchfield, Paul H., assignor.
Shapleigh, James H., assignor.

Hermann, Arthur, assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for bumping platen presses. 2,381,125; Aug. 7.

Herreshoff, Alexander G., Grosse Pointe, and J. P. Butterfield, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Coupling. 2,381,745; Aug. 7.

Heyden Chemical Corporation: *See*—
Barth, R. H., and Burrell, assignors.
Remensnyder, John P., assignor.

Heymann, Seymour E., Hollywood, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heating apparatus. 2,381,591; Aug. 7.

Higgins, Andrew J., Jr., New Orleans, La. Obstacle plow. 2,381,665; Aug. 7.

Hill, William H., Mount Lebanon, Pa., assignor to American Cyanamid Company, New York, N. Y. Making alkali metal cyanides. 2,381,285; Aug. 7.

Hilliard, John D., Glens Falls, N. Y. Circuit breaker. 2,381,592; Aug. 7.

Hillyer, John C.: *See*—
Schulze, W. A., and Hillyer.

Hines, Claude M.: *See*—
Mitchell, R. A., and Hines.

Hinton, Ora A., Long Island City, N. Y., and L. De Stramp, Washington, D. C. Combination outer doors for dwellings. 2,381,666; Aug. 7.

Hobbs, Howard F., Leamington Spa, assignor of one-half to C. J. P. Ball, London, England. Power transmission gear. 2,381,593; Aug. 7.

Hochwalt, Carroll A., Montgomery County, Ohio, assignor to Monsanto Chemical Company. Treatment of textiles. 2,381,852; Aug. 7.

Hodge, Howard M., Linthicum Heights, Md., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Glycerol fermentation process. 2,381,052; Aug. 7.

Hodges, Paul, Crossett, Ark., assignor to Gulf States Paper Corporation. Making metal soaps. 2,381,822; Aug. 7.

Hoffman, Edward C., Montclair, N. J. Aiding in the creation of a line rendition in true perspective of an object to be depicted. 2,381,165; Aug. 7.

Hoffmann-La Roche, Inc.: *See*—
Furter, Max F., assignor.

Hoffmann, Samuel W.: *See*—
Stavely, F. W., Edgar, and Hoffmann.

Hofft, M. A.: *See*—
Puckett, Nick T., assignor.

Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Trigger type collapsing tap. 2,381,448; Aug. 7.

Hogg, William J.: *See*—
Drissner, A. E., and Hogg.

Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Wheel brake. 2,381,166; Aug. 7.

Holman, Arthur J., Brighton, N. Y. Spherical surface generating device. 2,381,449; Aug. 7.

Holmes, Gordon C., Los Angeles, Calif. Treating magnesian ores and minerals. 2,381,053; Aug. 7.

Holmes, Louis D., Blue Island, assignor to Whiting Corporation, Harvey, Ill. Vehicle washing apparatus. 2,381,054; Aug. 7.

Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Engine operated burner. 2,381,594; Aug. 7.

Hoof Products Company: *See*—
Trich, Henry C., assignor.

Hooker Electrochemical Company: *See*—
Sconce, James S., assignor.

Hornbarger, Earl H.: *See*—
Schaelchlin, W., and Hornbarger.

Hornbostel, Lloyd, and E. E. Berry, assignors to Beloit Iron Works, Beloit, Wis. Stock inlet. 2,381,286; Aug. 7.

Horth, Bertrand D., assignor to Aber Engineering Works Incorporated, Waterford, Wis. Side milling cutter. 2,381,540; Aug. 7.

Horwedel, Charles R., Lakewood, and W. J. Resch, East Cleveland, Ohio, assignors to The American Steel and Wire Company. Electrolytically polishing stainless steel. 2,381,167; Aug. 7.

Hotchkin, James R., Short Hills, assignor to The Palnut Company, Irvington, N. J. Self-locking nut. 2,381,352; Aug. 7.

Hotstream Heater Company, The: *See*—
Crew, Morris W., and Short, assignors.

House, Bryan E.: *See*—
Goepfrich, R. A., and House.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,381,746; Aug. 7.

Howe, Earl E., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Tool for forming joints. 2,381,747; Aug. 7.

Howe, Earl E., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Forming joints. 2,381,748; Aug. 7.

Hoy, Thomas J., Newark, N. J. Resilient valve head. 2,381,541; Aug. 7.

Hoyt, Howard E., Stamford, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Purification of glycerin. 2,381,055; Aug. 7.

Hrabak, Robert A., Lakewood, assignor to The Art Metal Company, Cleveland, Ohio. Ultraviolet sterilizer. 2,381,450; Aug. 7.

Hrabak, Robert A., Lakewood, assignor to The Art Metal Company, Cleveland, Ohio. Ultraviolet sterilizer. 2,381,451; Aug. 7.

Hrabak, Robert A., Lakewood, assignor to The Art Metal Company, Cleveland, Ohio. Ultraviolet sterilizer. 2,381,452; Aug. 7.

Huber, Matthew W., Chicago, Ill., assignor, by mesne assignments, to The New York Air Brake Company. Pump. 2,381,056; Aug. 7.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Process wherein fluid hydrocarbons are contacted and mixed with acidic fluid in a confined zone. 2,381,165; Aug. 7.

Hulfish, Buford W., assignor to Victor Aircraft Company, Inc., Newark, N. J. Elbow connection for use with spark plugs. 2,381,595; Aug. 7.

Hull, J. Leonard: *See*—
Lee, Floyd J.

Hull, James L., Los Angeles, and F. J. Lee, La Habra, Calif. Fire extinguishing unit. 2,381,749; Aug. 7.

Hunsdorf, William P., Cleveland, Ohio, assignor to W. P. Hunsdorf and C. E. Edson, joint trustees. Coil winding apparatus. 2,381,750; Aug. 7.

Hunt, John L.: *See*—
Greenleaf, R. M., and Hunt.

Hunt, Scott F., South Bend, Ind., assignor, by mesne assignments, to Bendix Stromberg Carburetor Company. Carburetor. 2,381,751; Aug. 7.

Hunziker, Charles E., Paterson, N. J. Filter. 2,381,453; Aug. 7.

Hutcheson, John A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburg, Pa. Oscillator circuit for inductive heating. 2,381,057; Aug. 7.

Huth, Carl A., Rutherford, N. J., assignor to American Can Company, New York, N. Y. Machine for filling products into containers. 2,381,454; Aug. 7.

Hyatt, Charles S., and T. J. Kerr, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Coated glass fiber window shade. 2,381,542; Aug. 7.

Hydraulic Brake Company: *See*—
Swift, John F., assignor.

Hyman, Henry: *See*—
Muldoon, Bernard F., assignor.

I-T-E Circuit Breaker Company: *See*—
Bohn, Donald L., assignor.

Iden, Floyd W., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Alternator. 2,380,966; Aug. 7.

Iler, George A., Riverside, assignor, by mesne assignments, to General Finance Corporation, Chicago, Ill. Valve. 2,381,287; Aug. 7.

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insolubilizing protein and product. 2,381,752; Aug. 7.

Imperial Chemical Industries Limited: *See*—
Boon, William R., assignor.
Shufflebotham, John S., assignor.
Thomson, Robin H. K., assignor.

Independent Pneumatic Tool Company: *See*—
Forss, Frithiof P., assignor.

Industrial Engineering Corporation: *See*—
Miller, William F., assignor.

Industrial Patents Corporation: *See*—
Williams, Beverly E., assignor.

Industrial Research Laboratories, Ltd.: *See*—
Hahn, Otto W., assignor.

Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Carton partition means. 2,381,543; Aug. 7.

International Harvester Company: *See*—
Buck, Foster, assignor.
Mott, Carl W., assignor.
Peterson, Raymond E., assignor.

International Lubricant Corporation: *See*—
Fraser, Harold M., assignor.

International Marine Radio Company Limited: *See*—
Thorpe-Woods, Henry, assignor.

International Paper Box Machine Company, The: *See*—
La Bombard, Leon E., assignor.

International Standard Electric Corporation: *See*—
Deakin, Gerald, assignor.
Ullrich, Edward H., assignor.

Ipatieff, Vladimir N.: *See*—
Linn, C. B., and Ipatieff.

Irion, Clarence E., Montclair, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Printing ink. 2,381,753; Aug. 7.

Isaacson Iron Works: *See*—
Gammel, John A., assignor.

Iverson, Sigmund L., Minneapolis, Minn. Handwheel for lawn hose couplings. 2,384,498; Aug. 7.

Jackel, Arthur P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective receiver for remote control systems. 2,381,499; Aug. 7.

Jackson, Leslie K.: *See*—
Lithgow, J., and Jackson.

Jacob, Carlyle W., Lynn, Mass. Electrical precipitation apparatus. 2,381,455; Aug. 7.

Jacob, Ezekiel J., Brooklyn, assignor to Benjamin Liebowitz, New York, N. Y. Pile fabric. 2,381,218; Aug. 7.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Diaphragm valve. 2,381,544; Aug. 7.

Jacobson, Abe J.: *See*—
Clarin, Werner E., assignor.

Jadraque, Joaquin M. and L. J. Cavallero, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn. Frequency modulation receiver. 2,381,754; Aug. 7.

Jameson, Charles M., Detroit, Mich. Automatic braking device. 2,381,755; Aug. 7.

Jarvis, Harold T., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Ignition timing. 2,380,967; Aug. 7.

Jasco, Incorporated: *See*—
Robey, R. F., and Swaney.

Jefferson Electric Company: *See*—
Harford, Charles G., assignor.

Jeffrey Manufacturing Company, The: *See*—
Fowler, John T., assignor.
Lee, Arthur L., assignor.

Jensen, Dan H. L., and E. Harman, assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Refrigerattion. 2,381,667; Aug. 7.

Jensen, Martin, assignor to Langley Aviation Corporation, New York, N. Y. Airplane. 2,381,596; Aug. 7.

Jessop, William, & Sons Limited: *See*—
Oliver, Donald A., assignor.

Johns, Harold C., et al.: *See*—
Root, Joseph M., assignor.

Johns, Virginia, et al.: *See*—
Root, Joseph M., assignor.

Johnson & Johnson: *See*—
Stonehill Albert A., assignor.

Johnson, Elmer E.: *See*—
Boiley, H. C., and Johnson.

Johnson, Frank W.: *See*—
Carter, A. S., and Johnson.

Johnson, Richard J., San Francisco, Calif. Socket wrench. 2,381,597; Aug. 7.

Johnson, Roy W., and C. E. Zarwell, assignors to Automatic Products Company, Milwaukee, Wis. Liquid fuel feeding mechanism. 2,381,756; Aug. 7.

Jonas, Julius, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Earth fault protection arrangement. 2,381,668; Aug. 7.

Jones, Elizabeth T., administratrix: *See*—
Jones, Karl M.

Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermocouple. 2,381,058; Aug. 7.

Jones, Joseph W., New York, N. Y. Aircraft identifying and range estimating trainer. 2,381,757; Aug. 7.

Jones, Karl M., deceased, Montclair, N. J.; E. T. Jones, administratrix. Nut cracking device. 2,381,288; Aug. 7.

Jones, Kenneth L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Lighting system. 2,381,169; Aug. 7.

Jones, Mager C., Portsmouth, Va. Oil vaporizer and burner. 2,381,289; Aug. 7.

Jones, Paul C., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Synthetic rubber composition. 2,381,059; Aug. 7.

Jones, Welton P., Rydal, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet construction. 2,381,598; Aug. 7.

Joy Manufacturing Company: *See*—
Russel, John D., assignor.

Joyce, Teresa O.: *See*—
(Joyce, T. M., assignor), and Fite.

Joyce, Thomas M., deceased, Salinas, and P. L. Fite, Sacramento, Calif.; said T. M. Joyce assignor by decree of court to T. O. Joyce. Single-row scour prevention fence. 2,381,290; Aug. 7.

Julian, Percy L.: *See*—
Levinson, A. A., Julian, and Engstrom.

Kagan, Ralph: *See*—
Gardner, P., and Kagan.

Kahn, Lewis I., Jamaica, N. Y. Venetian blind structure. 2,381,060; Aug. 7.

Kallmann, Heinz E., Boston, Mass. Flexible plastic sheet. 2,381,061; Aug. 7.

Keiser, Bernhard: *See*—
De Groote, M., and Keiser.

Kelite Products, Inc.: *See*—
Hart, Joseph F., assignor.

Keller, Robert D., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic instrument. 2,381,126; Aug. 7.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Lubricating composition. 2,881,127; Aug. 7.

Kendig, John R., assignor to Gobin Smith, East Orange, N. J. Screen type transfer agent duplicating form. 2,381,170; Aug. 7

Kenefake, Edwin W., Schenectady, N. Y., assignor to General Electric Company. Carrier current system. 2,381,758; Aug. 7.

Kennedy, Donald S.: *See*—
Newman, John E., assignor.

Kerr, Thomas J.: *See*—
Hyatt, C. S., and Kerr.

Kimmig, Emil W., Rutherford, and F. J. Peters, Clifton, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for degreasing containers. 2,380,968; Aug. 7.

King, William R., Mineola, Tex. Intermitter timing device. 2,380,969; Aug. 7.

Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio. Laundry machine. 2,381,545; Aug. 7.

Kirsch, Frank K., Detroit, Mich., assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Punch and die mounting. 2,381,062; Aug. 7.

Kirshner, Abraham S.: *See*—
Pecker, J. S., Simpson, and Kirshner.

Kitter, Vladimir, New York, N. Y. Stable packaged pharmaceutical preparation and method of preparing the same. 2,380,970; Aug. 7.

Kjellgren, Bengt R. F., University Heights, assignor to The Brush Beryllium Company, Cleveland, Ohio. Producing beryllium. 2,381,291; Aug. 7.

Kluttz, John D.: *See*—
Mooney, Charles F., assignor.

Knitter, Elmer T., Redwood City, Calif. Razor blade sharpener. 2,381,669; Aug. 7.

Knox, Harry A., Washington, D. C. Bearing. 2,380,971; Aug. 7.

Knudsen, Percy E., and L. G. Diera, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Drain structure. 2,381,500; Aug. 7.

Knutzen, Max T., assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada. Fluid control valve. 2,381,501; Aug. 7.

Kopp, Carl J., assignor to Federal Electric Company, Inc., Chicago, Ill. Automatic control or indicator. 2,380,972; Aug. 7.

Kopp, Carl J., assignor to Federal Electric Company, Inc., Chicago, Ill. Control for fluid operated motors. 2,380,973; Aug. 7.

Kopp, Carl J., assignor to Federal Electric Company, Inc., Chicago, Ill. Fluid control valve. 2,380,974; Aug. 7.

Kopp, Carl J., assignor to Federal Electric Company, Inc., Chicago, Ill. Automatic control for fluid operated pistons. 2,380,975; Aug. 7.

Korb, Ernest L., Woodstown, N. J., and J. R. Sabina, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized solutions of copper mercaptides. 2,380,976; Aug. 7.

Kosche, Erich: *See*—
Möller, R., and Kosche.

Kramer, William: *See*—
Newmark, David, assignor.

Krant, Samuel B., Cleveland Heights, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Canopy for luminaires. 2,381,292; Aug. 7.

Krebser, Adolf, Riehen near Basel, and W. Bossard, assignors to J. R. Geigy A. G., Basel, Switzerland. Triazo dyestuffs, their copper compounds, and their manufacture. 2,381,599; Aug. 7.

Kreider, Walter J., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,381,546; Aug. 7.

Kreitner, Johann: *See*—
Nettel, Frederick.

Kress, Otto, Appleton, Wis., and F. Zeitlin, and R. K. Staman, Mechanicville, assignors to West Virginia Pulp and Paper Company, New York, N. Y. Making paper. 2,381,600; Aug. 7.

Kuhn, Max O., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Constructing contianers. 2,381,385; Aug. 7.

Kuhn, Max O., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making containers. 2,381,386; Aug. 7.

Kuhn, Max O., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reinforced container. 2,381,396; Aug. 7.

Küng, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing agent. 2,381,063; Aug. 7.

Kurkjian, Yervant H., Clifton, N. J. Automatic tension control for let-off mechanism of looms. 2,381,670; Aug. 7.

La Bombard, Leon E., assignor to The International Paper Box Machine Company, Nashua, N. H. Automatic sheet feeding mechanism. 2,381,853; Aug. 7.

La Bour, Harry E., Elkhart, Ind. Liquid sealed pump. 2,381,823; Aug. 7.

La Bour, Harry E., Elkhart, Ind. Vertical self-priming pump. 2,381,824; Aug. 7.

Ladner, Lawrence A., Camden, N. J., assignor to F. F. Slocomb Corporation, Wilmington, Del. Safety device. 2,381,671; Aug. 7.

La Lande, William A., Jr., Upper Darby, assignor to Attapulgus Clay Company, Philadelphia, Pa. Decolorizing hydrocarbon oil. 2,381,293; Aug. 7.

Lane, Joseph, New York, N. Y. Closing for garments. 2,381,601; Aug. 7.

Lanese, Donald C., assignor to Designers for Industry, Inc., Cleveland, Ohio. Combined baby crib and bassinet. 2,381,759; Aug. 7.

Lang, Rudolph C., assignor to National Biscuit Company, New York, N. Y. Coating machine. 2,381,502; Aug. 7.

Langdon, Jesse D., Downey, Calif. Airship. 2,381,456; Aug. 7.

Langley Aviation Corporation: *See*—
Jensen, Martin, assignor.

Langstroth, Hall, Greenwich, Conn., assignor to Maguire Industries, Incorporated. Circuit breaker. 2,381,294; Aug. 7.

Lankelma, Herman P.: *See*—
Burk, Robert E., and Lankelma.

Larsen, Earl I.: *See*—
Hensel, F. R., and Larsen.

Larson, Frank W., Sioux City, Iowa. Rain gauge. 2,381,602; Aug. 7.

Larson, Gustave A., Wauwatosa, Wis. Dehydrator. 2,381,354; Aug. 7.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car coupling equipment. 2,381,603; Aug. 7.

Laskin, Jacob E., Shaker Heights, Ohio. Orthodontic bracket spring. 2,381,128; Aug. 7.

Lassen, Elvind U., Whitefish Bay, and J. M. Newman, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 2,381,604; Aug. 7.

Latham, Allen, Jr., Jamaica Plain, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass. Supplying clarified liquid. 2,381,760; Aug. 7.

Laughton, George W., Jr., assignor to Marine Iron & Ship Building Company, Duluth, Minn. Cutting metal. 2,381,355; Aug. 7.

Lawson, Lloyd, et al.: *See*—
Rainsford, Thomas F., assignor.

Leander, Russell J., assignor to The Leaton Corporation, Chicago, Ill. Indicia and applying. 2,381,605; Aug. 7.

Leaton Corporation, The: *See*—
Leander, Russell J., assignor.

Le Baron, Ira M., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy. 2,381,219; Aug. 7.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Shuttle car. 2,381,672; Aug. 7.

Lee, Bernard F., Framingham, assignor to Jacob Sandler, Brookline, Mass. Shoemaking. 2,381,356; Aug. 7.

Lee, Edward C., deceased, Chicago, Ill., by J. S. Lee, Ames, Iowa, administratrix, and J. E. Ahlberg, New York, N. Y., assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion process. 2,381,825; Aug. 7.

Lee, Floyd J.: *See*—
Hull, J. L., and Lee, assignors.

Lee, Floyd J., La Habra, assignor of one-half to J. L. Hull, Los Angeles, Calif. Fire extinguishing apparatus. 2,381,606; Aug. 7.

Lee, Floyd J., La Habra, assignor of one-half to J. L. Hull, Los Angeles, Calif. Liquid-ejecting apparatus. 2,381,607; Aug. 7.

Lee, Julia S., administratrix: *See*—
Lee, E. C., and Ahlberg.

Lehde, Henry, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Electromagnetic device. 2,381,675; Aug. 7.

Leininger, Floyd F., Plant City, Fla. Electrical firearm. 2,381,547; Aug. 7.

Lemmel, Paul T., Madison, Wis., and H. P. Fell, assignors to The Borden Company, New York, N. Y. Preparation of concentrated fluid milk products. 2,381,761; Aug. 7.

Leon, Harry J., Hartford, Conn. Garment. 2,381,295; Aug. 7.

LeRette, William P., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making platform shoes. 2,381,503; Aug. 7.

Lever Bias Machine Corporation: *See*—
Gardner, P., and Kagan, assignors.

Levinson, Arthur A., Chicago, P. L. Julian, Maywood, and A. G. Engstrom, Itasca, Ill., assignors to The Glidden Company, Cleveland, Ohio. Protein composition of matter and making. 2,381,407; Aug. 7.

Levy-Savoye, Charles, New York, N. Y., assignor to General Aircraft Equipment, Inc. Indicating device responsive to a condition. 2,381,826; Aug. 7.

Lewin, Jacob W., Oak Park, Ill. Pipe bender. 2,381,064; Aug. 7.

Lewis, James O., Houston, assignor of one-half to R. T. Wilson, Corpus Christi, Tex. Method and apparatus for obtaining samples. 2,380,977; Aug. 7.

Leyerle, Arthur R., assignor to Vitreous Steel Products Co., Cleveland, Ohio. Dehydration tray. 2,381,608; Aug. 7.

Libbey-Owens-Ford Glass Company: *See*—
Watkins, George B., assignor.

Liberty, Joseph B., Royal Oak, Mich. Air locked window. 2,381,504; Aug. 7.

Licht, Anna, New York, N. Y. Brassière. 2,380,978; Aug. 7.

Lieber, Eugene, West New Brighton, Staten Island, and M. E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company. Condensation products and preparing and using same. 2,381,457; Aug. 7.

Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Piston for two-stroke internal-combustion engine. 2,381,065; Aug. 7.

Liebowitz, Benjamin: *See*—
Jacob, Ezekiel J., assignor.

Lieff, Morris: *See*—
Elmendorf, A., and Lieff.

Lillquist, Torsten O., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Generating electric drive and control system. 2,381,827; Aug. 7.

Lind, Otto H., Cincinnati, Ohio. Storm sash. 2,381,129; Aug. 7.

Lindholm, Arthur W., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,381,565; Aug. 7.

Link-Belt Speeder Corporation: *See*—
Deal, T. M., and Baker, assignors.

Linn, Carl B., and V. N. Ipatieff, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,381,828; Aug. 7.

Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Producing tungsten containing ferrous alloys. 2,381,674; Aug. 7.

Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Briquettes for alloying. 2,381,675; Aug. 7.

Lister and Company, Limited: *See*—
Garner, Walter, assignor.

Lithgow, John, Oak Park, Ill., and L. K. Jackson, Cleveland, Ohio, assignors to Sears, Roebuck and Co., Chicago, Ill. Absorption refrigerator. 2,380,979; Aug. 7.

Little, Arthur D., Inc.: *See*—
Latham, Allen, Jr., assignor.

Little, Lawrence E., Epsom, England. Folding perambulator. 2,381,066; Aug. 7.

Little, Robert A., Donora, and J. A. Rice, Belle Vernon, Pa., assignors to The American Steel and Wire Company of New Jersey. Duplex head nail machine. 2,381,171; Aug. 7.

Livers, Carlos B., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Tube coupling. 2,381,829; Aug. 7.

Lloyd, Milby W., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Aircraft pyrotechnic. 2,381,130; Aug. 7.

Loane, Clarence M., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Solvent composition. 2,381,506; Aug. 7.

Lobel, Mervyn J., New York, N. Y. Medicinal preparation. 2,381,830; Aug. 7.

Longenecker, Charles L., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Pump construction. 2,381,220; Aug. 7.

Looney, Leo E., Revere, Mass. Bearing cup puller. 2,380,980; Aug. 7.

Lopez, Rufino: *See*—
Schaefer, R. K., Allen, and Lopez.

Lowey, Roy E., Evanston, assignor to Container Corporation of America, Chicago, Ill. Container. 2,381,067; Aug. 7.

Luber-Finer, Inc.: *See*—
Russell, John K., assignor.

Lundberg, Loren L., Pine Bluffs, Wyo. Potato harvesting machine. 2,381,172; Aug. 7.

Lutes, Herschel, Detroit, and J. J. Buzzell, Alpena, Mich. Refrigerating apparatus. 2,381,068; Aug. 7.

Lutes, Herschel, Detroit, and J. J. Buzzell, Alpena, Mich. Refrigerating apparatus. 2,381,069; Aug. 7.

Lyden, Frank J., Erie, Pa. Bearing construction for dynamo-electric machines. 2,381,070; Aug. 7.

Lynn, Clarence, Pittsburgh 21, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current dynamoelectric machine and ventilating system therefor. 2,381,296; Aug. 7.

Lynn, Clarence, Pittsburgh 21, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ventilated electromagnetic device. 2,381,297; Aug. 7.

Lynn, Lawrence B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gun stabilizing apparatus. 2,381,161; Aug. 7.

M. L. Trust, F. R. Pendleton, trustee: *See*—
Greenleaf, R. M., and Hunt, assignors.

Mabe Corporation: *See*—
Weisman, Maurice, assignor.

Mabery, Nelson, assignor to Airplane Manufacturing & Supply Corporation, Glendale, Calif. Starter tester. 2,381,549; Aug. 7.

Macdonald, William G., and W. A. Cooper, assignors to William Cotton Limited, Loughborough, England. Cotton's patent and other straight bar knitting machines. 2,381,072; Aug. 7.

MacLean, Kenneth G., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal oscillator and mounting. 2,381,173; Aug. 7.

Maddy, Charles C., Ottumwa, Iowa. Photographic printing mask. 2,381,831; Aug. 7.

Maguire Industries, Incorporated: *See*—
Langstroth, Hall, assignor.

Mahnke, Kurt, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing relay. 2,381,300; Aug. 7.

Mahoning Mining Company: *See*—
Duncan, Walter E., assignor.

Mallory, Marion, Detroit, Mich. Governor for internal-combustion engines. 2,381,131; Aug. 7.

Mallory, Marion, Detroit, Mich. Engine governor. 2,381,550; Aug. 7.

Mallory, Marion, Detroit, Mich. Ignition system for internal-combustion engines. 2,381,610; Aug. 7.

Mallory, Marion, Detroit, Mich. Combination governor and ignition system for internal-combustion engines. 2,381,611; Aug. 7.

Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,381,612; Aug. 7.

Mallory, P. R., & Co., Inc.: *See*—
Hensel, F. R., and Larsen, assignors.

Malmström, Sven: *See*—
Helleberg, T., and Malmström.

Manning, Maxwell & Moore, Incorporated: *See*—
Brandstrom, Fred, assignor.

Mansoff, Arthur P., Dauphin, Manitoba, Canada. Internal-combustion engine. 2,381,832; Aug. 7.

Maple, Frank E.: *See*—
Stengel, L. A., and Maple.

Marchand, Adolph, Jackson Heights, N. Y. Cabinet door fixture. 2,381,132; Aug. 7.

Marine Iron & Ship Building Company: *See*—
Laughton, George W., Jr., assignor.

Markle, George B., Jr., assignor to Freeland Spool and Bobbin Corp., Hazleton, Pa. Releasing tube adapter for supporting tubes or the like. 2,381,301; Aug. 7.

Markwart, Earl H., and A. L. Cannon; said Cannon assignor to said Markwart, doing business as Yuba Tank & Steel Co., Sacramento, Calif. Pump control and the like. 2,381,221; Aug. 7.

Marshall, William A., Jr., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Altitude compensator. 2,381,358; Aug. 7.

Martin, Glenn L., Company, The: *See*—
Gray, Reid B., assignor.
Turnbull, William J., assignor.

Martin, J. F., et al.: *See*—
Overbey, Herman T., assignor.

Martinek, Louis P., Cleveland, Ohio. Print handling device. 2,381,765; Aug. 7.

Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Communication system. 2,381,174; Aug. 7.

Mathews, Martin D., Indianapolis, Ind. Insulator. 2,381,676; Aug. 7.

Mathieson Alkali Works, Inc., The: *See*—
Vincent, George P., assignor.

Mattox, William J.: *See*
Grosse, A. V., and Mattox.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of alkyl aromatic hydrocarbons. 2,381,175; Aug. 7.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating catalysts. 2,381,677; Aug. 7.

Maxwell, Frank R., Rose Valley, Pa. Airplane wing. 2,381,678; Aug. 7.

Maxwell, Frank R., Rose Valley, Pa. Airplane and control device therefor. 2,381,679; Aug. 7.

Maxwell, Frank R., Rose Valley, Pa. Airplane and control device therefor. 2,381,680; Aug. 7.

Maxwell, Frank R., Rose Valley, Pa. Airplane and control device therefor. 2,381,681; Aug. 7.

May, Harry C., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,381,222; Aug. 7.

May, John W., Durham, N. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric operating means for circuit breakers. 2,381,302; Aug. 7.

Mayer, Charles W., deceased, Rochester, N. Y.; K. B. Mayer, executrix. Apparatus for removing water from paper webs. 2,381,766; Aug. 7.

Mayer, Katherine B., executrix: *See*—
Mayer, Charles W.

Mayer, Michael, Cleveland, Ohio. Windshield defroster. 2,381,767; Aug. 7.

Mayner, Stanley, Cleveland, Ohio. Power transmitting apparatus. 2,381,682; Aug. 7.

McCabe, Arthur S.: *See*—
Burns, R. S., and McCabe, assignors.

McConkle, Charles C., Omaha, Nebr. Forced draft conveyer. 2,381,762; Aug. 7.

McCormick, Paul A., San Diego, Calif. Steam pump. 2,381,298; Aug. 7.

McCoy, Charles W., Ontario, Calif. Ignition analyzer. 2,381,609; Aug. 7.

McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Inductive device. 2,381,763; Aug. 7.

McCullough, Jack A.: *See*—
Eitel, W. W., and McCullough.

McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hygrometer. 2,381,299; Aug. 7.

McElhannon, Raymond J., Flushing, N. Y. Radio scanning system. 2,380,981; Aug. 7.

McElroy, Wilbur R.: *See*—
Hass, H. B., and McElroy.

McFarland, George L., Jr., Scotia, N. Y., assignor to General Electric Company. Apparatus for charging and sealing tubular containers. 2,381,764; Aug. 7.

McKeever, Charles H.: *See*—
Spence, Le R. U., and McKeever.

McKeown, John L., Winnetka, Ill. Cable thimble and clamp. 2,381,357; Aug. 7.

McKinley, John S.: *See*—
Bell, W. I., and McKinley.

McLaughlin, Robert W., Jr., Bedford Village, assignor to American Houses, Inc., New York, N. Y. Chimney construction. 2,381,548; Aug. 7.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. N-phosphono-phosphatoalkyl cyclic amines. 2,381,071; Aug. 7.

McQuay-Norris Manufacturing Company: *See*—
Smith, Dallas M., assignor.

Meader, Warren S., et al.: *See*—
Sharp, William V., assignor.

Meister, Leo, Irvington, N. J. Work positioning apparatus. 2,381,458; Aug. 7.

Mellor Bromley & Co. Limited: *See*—
Bromley, T. C., and Shortland, assignors.

Mellor, Fred, Shreveport, assignor of one-half to H. George, Benton, La. Paper roll rack. 2,381,303; Aug. 7.

Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Surfacing machine. 2,381,833; Aug. 7.

Merck & Co., Inc.: *See*—
Weijlard, J., Messerly, and Tishler, assignors.

Merco Nordstrom Valve Company: *See*—
Hedene, Edwin E., assignor.

Meredew, George C. and A. L. B. Dawson, assignors to Self-Priming Pump & Engineering Co. Limited, London, England. Centrifugal pump for liquid. 2,381,834; Aug. 7.

Merrick, Albert W., Ossining, assignor to Austenal Laboratories, Inc., New York, N. Y. Turbine bucket for exhaust turbine superchargers. 2,381,459; Aug. 7.

Merrill, Joseph A., Winnetka, Ill., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Liquid dispensing apparatus. 2,381,304; Aug. 7.

Messerly, John P.: *See*—
Weijlard, J., Messerly, and Tishler.

Metals and Controls Corporation: *See*—
Moorhead, John O., assignor.

Meyer, Willard A., Mamaroneck, assignor to American Can Company, New York, N. Y. Producing can bodies. 2,381,460; Aug. 7.

Meystre, Charles: *See*—
Miescher, K., and Meystre.

Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Esters of inorganic acids and making same. 2,381,073; Aug. 7.

Mikulas, William, West Brighton, Staten Island, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Releasing end stop slide fastener. 2,381,359; Aug. 7.

Miller, Eloir P., El Campo, Tex. Machine for shelling rice and other grains. 2,381,507; Aug. 7.

Miller, William F., Evansville, Ind., assignor to Industrial Engineering Corporation. Automatic control for heating systems. 2,381,223; Aug. 7.

Milprint, Inc.: *See*—
Bennett, Milton, assignor.
Billeb, Clyde K., assignor.

Miner, W. H., Inc.: *See*—
Olander, Roland J., assignor.

Minneapolis-Honeywell Regulator Company: *See*—
Berkholder, George H., assignor.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Electric circuit. 2,381,768; Aug. 7.

Misfeldt, Charles C., Glendale, Calif. Lock nut and nut plate. 2,381,176; Aug. 7.

Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic commutation of currents. 2,380,982; Aug. 7.

Mitchell, Jabez T., Claremore, Okla. Removable form for concrete wall construction. 2,381,613; Aug. 7.

Mitchell, Robert A., Wilmerding, and C. M. Hines, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Air raid warning system. 2,381,224; Aug. 7.

Mitchell, Rollin C., Spokane, Wash. Horse shoe. 2,381,177; Aug. 7.

Mock, Frank C., assignor to Bendix Products Corporation, South Bend, Ind. Pressure responsive mechanism. 2,380,983; Aug. 7.

Moeller, Raymond H. C., Oak Park, Ill. Canning. 2,380,984; Aug. 7.

Möller, Rolf, Kleinmachnow near Berlin, and E. Kosche, Stuttgart W, Germany; vested in the Alien Property Custodian. Projection screen. 2,381,614; Aug. 7.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,381,769; Aug. 7.

Monarch Machine Tool Co., The: *See*—
Bickel, Clifford A., assignor.

Monarch Mills: *See*—
Asbill, Clarence M., Jr., assignor.

Monopower Corporation, The: *See*—
Tyler, Tracy B., assignor.

Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Mechanism for cooling freshly coated containers. 2,381,360; Aug. 7.

Monsanto Chemical Company: *See*—
Blake, E. S., and Godfrey, assignors.
Hochwalt, Carroll A., assignor.
Throdahl, Monte C., assignor.

Monteleone, John, New Orleans, La. Solution-catching device. 2,381,133; Aug. 7.

Mooney, Charles F., assignor of one-half to J. D. Kluttz, Charlotte, N. C. Safety device for trailers. 2,381,305; Aug. 7.

Moore, George A., assignor to National Biscuit Company, New York, N. Y. Shipping container. 2,381,508; Aug. 7.

Moorhead, John O., assignor to Metals and Controls Corporation, Attleboro, Mass. Switch. 2,381,835; Aug. 7.

Morey, Arthur H., Schenectady, N. Y., assignor to General Electric Company. Bearing lubricating means. 2,380,985; Aug. 7.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Elevating scraper. 2,380,986; Aug. 7.

Morris, John Y., assignor to V. E. Sprouse and A. Sprouse, a copartnership doing business as V. E. Sprouse Company, Columbus, Ind. Adjustable end hose clamp. 2,381,551; Aug. 7.

Morrison, Willard L., Lake Forest, Ill. Twin-cylinder refrigerator. 2,380,987; Aug. 7.

Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Clamp for master sheets of printing machines. 2,381,461; Aug. 7.

Morton, Eldred O.: *See*—
Woodman, K. L., and Morton.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Agricultural implement. 2,381,552; Aug. 7.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Control valve for fluid-operated systems. 2,381,553; Aug. 7.

Mudler, James T., U. S. Navy, Brooklyn, N. Y. Dental instrument sharpener. 2,380,988; Aug. 7.

Mueller, Erich O.: *See*—
Wagner, R. H., and Mueller.

Mueller, John, North Bergen, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Tabulating and accounting machine 2,381,361; Aug. 7.

Muench, Herbert E.: *See*—
Hagen, E. F., and Muench.

Muenzen, Frank R., New Rochelle, N. Y. Combination folding orthopedic and reclining bed board. 2,381,509; Aug. 7.

Muldoon, Bernard F., Caldwell, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Portable flashlight. 2,381,510; Aug. 7.

Muller, John A., Ridgewood, and L. Cranston, Glen Rock, N. J., assignors to United States Rubber Company, New York, N. Y. Making inflatable hose. 2,381,074; Aug. 7.

Mulvany, Kenneth E.: *See*—
Dunham, E. J., and Mulvany.

Munyon, Lester H., Spokane, Wash. Chimney liner extension. 2,381,178; Aug. 7.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Plasticized cellulose ester. 2,381,511; Aug. 7.

Muther, Lorenz F.: *See*—
Glines, Frederick S., assignor.

Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Submersible structure. 2,381,615; Aug. 7.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft control. 2,381,362; Aug. 7.

National Acme Company, The: *See*—
Drissner, A. E., and Hogg, assignors.
Hogg, William J., assignor.

National Automatic Tool Company, Inc.: *See*—
Rodal, Ralph, assignor.

National Biscuit Company: *See*—
Lang, Rudolph C., assignor.
Moore, George A., assignor.

National Cash Register Company, The: *See*—
Kreider, Walter J., assignor.

National Live Stock and Meat Board: *See*—
Gulbransen, Capron R., assignor.

National Steel Corporation: *See*—
Dishauzi, Steve J., assignor.

Naugle, John J., New York, N. Y. Filtering means. 2,381,462; Aug. 7.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Solenoid contactor. 2,381,075; Aug. 7.

Nettel, Frederick, Manhasset, and J. Kreitner, Brooklyn, N. Y.; said Kreitner assignor to said Nettel. Combustion turboengine drive. 2,380,989; Aug. 7.

Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Wheel-slip detecting device. 2,381,225; Aug. 7.

New England Butt Company: *See*—
Sleicher, Charles A., assignor.

New Jersey Shipbuilding Corporation: *See*—
Harris, Frederic R., assignor.

Newman, John E., Cirencester, assignor of two-thirds to D. S. Kennedy, Andover, Hampshire, England. Grass drying apparatus. 2,381,076; Aug. 7.

Newman, John M.: *See*—
Lassen, E. U., and Newman.

Newmark, David, assignor of one-half to W. Kramer, New York, N. Y. Moulded balsa article. 2,381,134; Aug. 7.

New Wrinkle, Inc.: *See*—
Drummond, Folsom E., assignor.

New York Air Brake Company, The: *See*—
Huber, Matthew W., assignor.

Nitschman, George H., assignor to The S. & S. Products Company, Lima, Ohio. Bottle dispensing machine. 2,381,179; Aug. 7.

Noble, Ross A., Flint, Mich. Calculating device. 2,381,836; Aug. 7.

Noblitt-Sparks Industries, Inc.: *See*—
Booth, Earl C., assignor.

Nordberg Manufacturing Company: *See*—
Froehlich, Kurt, assignor.

Norgren, Carl A., Denver, Colo. Compression fitting. 2,381,554; Aug. 7.

Norton Company: *See*—
Bura, Walter M., assignor.
Flygare, Carl G., assignor.

Nuttall, Norman H.: *See*—
Griffin, I. L., Truax, and Nuttall.

Nye, Owen K.: *See*—
Wadsworth, R. J., and Nye.

Obszarny, Theodore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Hand grip switch device. 2,381,077; Aug. 7.

Ohio Brass Company, The: *See*—
Larsson, Ernst A., assignor.

Ohio Injector Company, The: *See*—
Hanlon, R. H., and Farnsworth, assignors.

Oil Devices: *See*—
Hayter, Bruce, assignor.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,381,135; Aug. 7.

Olin Industries, Inc.: *See*—
Silk, Charles E., assignor.

Oliver, Donald A., assignor to William Jessop & Sons Limited, Sheffield, England. Manufacture of ferromagnetic material. 2,381,363; Aug. 7.

Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Pressing machine for ends of boxes and covers 2,381,364; Aug. 7.

Osterhof, Harold J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Stabilized cyclized rubber. 2,381,180; Aug. 7.

Overbey, Herman T., Wadesboro, N. C. Stop motion for textile machines. 2,381,684; Aug. 7.

Overbey, Herman T., assignor of one-third to J. F. Martin and one-third to H. P. Taylor, Wadesboro, N. C. Stop motion for textile machines. 2,381,683; Aug. 7.

Overly, Charles F., East Cleveland, Ohio. Rotary shaft coupling. 2,381,770; Aug. 7.

Owens-Corning Fiberglas Corporation: *See*—
Fletcher, Ed, assignor.

Owens-Illinois Glass Company: *See*—
Benoit, Joseph P., assignor.
Schutz, Harold R., assignor.

Oxhandler, Samuel, Flushing, N. Y., assignor to Sargent & Company, New Haven, Conn. Adjustable cylinder lock mechanism. 2,381,136; Aug. 7.

Oxhandler, Samuel, Flushing, N. Y., assignor to Sargent & Company, New Haven, Conn. Lock for airplane doors or the like. 2,381,512; Aug. 7.

Palnut Company, The: *See*—
Hotchkin, James R., assignor.

Paraffine Companies, Inc., The: *See*—
Cohen, S. A., Thurmond, and Read, assignors.

Park Manufacturing Company: *See*—
Root, Joseph M.

Parker Appliance Company, The: *See*—
Parker, Arthur L., assignor.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Safety wrench. 2,381,226; Aug. 7.

Parker Rust Proof Company: *See*—
Richards, Ernest W., assignor.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,381,685; Aug. 7.

Parsons, John B., assignor to M. W. Fraser, Toledo, Ohio, as trustee. Window regulator mechanism. 2,381,365; Aug. 7.

Pasquasi, Battista, et al.: *See*—
Giorgi, Adelmo, assignor.

Patnode, Winton I.: *See*—
Rochow, E. G., and Patnode.

Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Contact masses. 2,380,997; Aug. 7.

Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Organo-dihalogenosiloxanes. 2,381,366; Aug. 7.

Patnode, Winton I., and R. O. Sauer, Schenectady, N. Y., assignors to General Electric Company. Preparing tetrakis-2-chloroethyl silicate. 2,381,137; Aug. 7.

Patnode, Winton I., and R. O. Sauer, Schenectady, N. Y., assignors to General Electric Company. 2-halogenoethyl silicon compounds. 2,381,138; Aug. 7.

Patnode, Winton I., Schenectady, N. Y., and R. W. Schiessler, State College, Pa., assignors to General Electric Company. Halogenated organosilicon compounds. 2,381,000; Aug. 7.

Patnode, Winton I., Schenectady, N. Y., and R. W. Schiessler, State College, Pa., assignors to General Electric Company. Preparing tetrachloroethylene and chlorosilanes. 2,381,001; Aug. 7.

Patnode, Winton I., Schenectady, N. Y., and R. W. Schiessler, State College, Pa., assignors to General Electric Company. Cyclic organosilicon compounds. 2,381,002; Aug. 7.

Paul, Edgar D., Wynnewood, Pa. Clamp. 2,380,990; Aug. 7.

Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,381,771; Aug. 7.

Payne, Ralph W., Washington, D. C. Resilient rail fastener. 2,380,991; Aug. 7.

Pearson, Elmer O., Seattle, Wash. Journal bearing. 2,381,513; Aug. 7.

Peck, Clarence E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas generator unit. 2,381,306; Aug. 7.

Peck, Henry L., Camp Gordon, Ga., and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,381,307; Aug. 7.

Pecker, Joseph S., and H. A. Simpson, Philadelphia, and A. S. Kirshner, Llanerch, Pa., assignors to Celanese Corporation of America. Wrapping machine. 2,381,078; Aug. 7.

Pegg, Edward H. R., and I. R. Cummings, Lakewood, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical dust-precipitator system and interchangeable parts therefor. 2,380,992; Aug. 7.

Peltier, Frank D., Horsham, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Evaporator. 2,381,686; Aug. 7.

Pennsylvania Coal Products Company: *See*—
Cotton, William J., assignor.

Pentz, Albert D., New York, N. Y. Power transmission mechanism. 2,381,772; Aug. 7.

Peters, Francis J.: *See*—
Kimmig, E. W., and Peters.

Peterson, Raymond E., Riverside, Ill., assignor to International Harvester Company. Fuel injection pump. 2,381,555; Aug. 7.

Petrolite Corporation, Ltd.: *See*—
De Groote, M., and Keiser, assignors.

Pfleger, George T., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Centrifugal casting apparatus. 2,381,616; Aug. 7.

Phelan, Louis A. M., Rockton, Ill. Freezer chamber and evaporator. 2,381,617; Aug. 7.

Phelps, Donald S., Harvard, Mass., assignor to The American Agricultural Chemical Company, New York, N. Y. Settling of phosphate ore materials. 2,381,514; Aug. 7.

Philco Corporation: *See*—
Jones, Welton P., assignor.

Philco Radio and Television Corporation: *See*—
Jensen, D. H. L., and Harman, assignors.
Peltier, Frank D., assignor.
Pittman, Charles A., Jr., assignor.

Phillips, Dick G.: *See*—
Tiner, W. J., and Phillips.

Phillips Petroleum Company: *See*—
Bailey, G. C., and Reid, assignors.
Frey, Frederick E., assignor.
Matuszak, Maryan P., assignor.
Schulze, W. A., and Guyer, assignors.
Schulze, W. A., and Hillyer, assignors.

Pilkington Brothers Limited: *See*—
Sherlock, Albert, assignor.

Pittman, Charles A., Jr., Sellersville, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Variable speed phonograph drive. 2,381,079; Aug. 7.

Pittsburgh Plate Glass Company: *See*—
Adams, Frederick W., assignor.
Hall, Frank W., assignor.
Knudsen, P. E., and Diera, assignors.
Muskat, I. E., and Strain, assignors.

Plott, George R., near Concord, N. C. Heddle frame. 2,381,308; Aug. 7.

Powell, Edward U., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bowstring relay. 2,381,309; Aug. 7.

Powers Accounting Machines Limited: *See*—
Thomas, Arthur, assignor.

Pneumatic Scale Corporation, Limited: *See*—
Lindholm, Arthur W., assignor.

Poole, Ralph, London, England. Liquid trap. 2,381,837; Aug. 7.

Poston, Dallas W., Kimberly, Nev. Mine car loader. 2,381,515; Aug. 7.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic sound record. 2,381,463; Aug. 7.

Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Relay type key sender. 2,381,516; Aug. 7.

Powers, Frank T., Glen Cove, N. Y. Cassette. 2,381,556; Aug. 7.

Price, Thomas H., Chelmsford, England, assignor to Radio Corporation of America. Radio transmitter. 2,381,181; Aug. 7.

Price, Wilbur H., Cleveland, Ohio. Phonograph disk record cabinet. 2,381,517; Aug. 7.

Proctor, George N., Verona, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Storage battery. 2,381,140; Aug. 7.

Puckett, Nick T., assignor to M. A. Hofft, Indianapolis, Ind. Apparatus for burning refuse. 2,381,182; Aug. 7.

Pummill, Edwin W., Indianapolis, Ind. Self-locking nut or bolt. 2,380,994; Aug. 7.

Purdue Research Foundation: *See*—
Hass, H. B., and McElroy, assignors.

Pure Oil Company, The: *See*—
Folkins, H. O., and Thacker, assignors.

Pusey & Jones Corporation, The: *See*—
Bratton, Samuel M., assignor.

Pyne, Roger S., Springfield, and E. A. Allen, Westfield, Mass., assignors to Van Norman Company. Drive for oscillating grinders. 2,381,687; Aug. 7.

Quayle, Joshua C., Helsby, assignor to British Insulated Cables Limited, Prescot, Lancashire, England. Guide for the transmission of electric waves. 2,381,367; Aug. 7.

Rabasa, Joseph, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Drawing mechanism for spinning and roving frames. 2,381,856; Aug. 7.

Radio Corporation of America: *See*—
Crosby, David R., assignor.
Crosby, Murray G., assignor.
Dimmick, Glenn L., assignor.
Hansell, Clarence W., assignor.
MacLean, Kenneth G., assignor.
Price, Thomas H., assignor.
Wendt, Karl R., assignor.

Ragatz, Edward G.: *See*—
Dillon, L., and Ragatz.

Rainsford, Thomas F., Detroit, assignor of one-half to L. Lawson, Dearborn, and one-half to A. J. D'Anna, Wyandotte, Mich. Gear shifting mechanism. 2,381,773; Aug. 7.

Ray, William A., Los Angeles, Calif. Electromagnetic relay. 2,381,080; Aug. 7.

Ray, William A., Los Angeles, Calif. Thermostat. 2,381,557; Aug. 7.

Raytheon Manufacturing Company: *See*—
Stutsman, Paul W., assignor.

Read, Lee S.: *See*—
Cohen, S. A., Thurmond, and Read.

Reed Roller Bit Company: *See*—
Stokes, John C., assignor.

Reid, James A.: *See*—
Bailey, G. C., and Reid.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Sulphides of alkylated aryl, oxy-organic carboxylic acids. 2,381,854; Aug. 7.

Reiff, Vincent N., assignor to Stackpole Carbon Company, St. Marys, Pa. Circuit controlling device. 2,381,688; Aug. 7.

Remensnyder, John P., Metuchen, N. J., assignor, by mesne assignments, to Heyden Chemical Corporation. Protecting seeds and plants from pests. 2,381,411; Aug. 7.

Remington Rand Inc.: *See*—
Mueller, John, assignor.

Rendle, Theodore, assignor to Chivers & Sons Limited, Histon, England. Preparation of cooked starchy vegetables in powder form. 2,381,838; Aug. 7.

Republic Aviation Corporation: *See*—
Franklin, Hubert F., assignor.

Resch, William J.: *See*—
Horwedel, C. R., and Resch.

Resinous Products & Chemical Company, The: *See*—
Bruson, Herman A., assignor.
Spence, Le R. U., and McKeever, assignors.

Revere Copper and Brass Incorporated: *See*—
Bunn, Edward S., assignor.

Rice, Joseph A.: *See*—
Little, R. A., and Rice.

Richards, Claude L., London, England, assignor to The Hartford National Bank and Trust Company, as trustee, Hartford, Conn. Tuning arrangement for wireless receivers. 2,381,227; Aug. 7.

Richards, Ernest W., St. Clair Shores, assignor to Parker Rust Proof Company, Detroit, Mich. Apparatus for and method of rustproofing. 2,381,183; Aug. 7.

Richter, Walther, Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Temperature control for electric heating. 2,381,310; Aug. 7.

Riefenstahl, Lester A., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Making cork substitute. 2,381,774; Aug. 7.

Riesing, Mabel P., Pontiac, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Plastic shoe. 2,381,389; Aug. 7.

Ripley, George K., assignor to Troy Blanket Mills, Troy, N. H. Reinforced textile fabric and making. 2,381,184; Aug. 7.

Roberts, William M., Tyler, Tex. Kiddie barrow. 2,381,618; Aug. 7.

Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,381,518; Aug. 7.

Robertshaw Thermostat Company: *See*—
Strobel, Charles K., assignor.

Robey, Richard F., Roselle, and M. W. Swaney, Linden, N. J., assignors to Jasco, Incorporated. Concentrating diolefins. 2,381,311; Aug. 7.

Robinson, Gerard B., Mount Gilead, Ohio. Plastic atomizer. 2,381,558; Aug. 7.

Robinson, Harry C., and T. F. Challis, assignors to American Manufacturing Company, Chattanooga, Tenn. Tree-type display rack. 2,381,619; Aug. 7.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparation of organosilicon halides. 2,380,995; Aug. 7.

Rochow, Eugene G., and W. I. Patnode, Schenectady, N. Y., assignors to General Electric Company. Preparation of organo-silicon halides. 2,380,996; Aug. 7.

Rodal, Ralph, assignor to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool control apparatus. 2,381,312; Aug. 7.

Roddy, Fred M., Providence, R. I. Granulating and cutting machine. 2,381,775; Aug. 7.

Roehr, Albert B., Sarasota, Fla. Ditch digger. 2,381,689; Aug. 7.

Roeser, Harry M., assignor to Streeter-Amet Company, Chicago, Ill. Lever. 2,381,412; Aug. 7.

Rogers, C. E., Company: *See*—
Rogers, R. M., and Walker, assignors.

Rogers, Roger M., Birmingham, and A. M. Walker, Dearborn, assignors to C. E. Rogers Company, Detroit, Mich. Conveyer mechanism. 2,381,183; Aug. 7.

Rolling & Engraving Mills, Inc.: *See*—
Frommer, Joseph C., assignor.

Root, Joseph M., assignor to H. C. and V. Johns and W. E. and L. Davison, co-partners, doing business as Park Manufacturing Company, Detroit, Mich. Swaging machine. 2,381,559; Aug. 7.

Roquemore, Glen F., assignor to Wingfoot Corporation, Akron, Ohio. Rubber-to-metal adhesions. 2,381,186; Aug. 7.

Rosenthal, Charles, New York, N. Y. Knockdown collapsible wardrobe. 2,381,464; Aug. 7.

Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap preparation. 2,381,368; Aug. 7.

Rost, Helge F.: *See*—
Söderström, N. M. G., and Rost.

Russell, John D., Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company. Flight and link connector. 2,381,519; Aug. 7.

Russell, John K., assignor to Luber-Finer, Inc., Los Angeles, Calif. Liquid purifier. 2,381,141; Aug. 7.

Russell, Stanley D., Racine, Wis., assignor to J. I. Case Company. Pickup baler. 2,381,620; Aug. 7.

Ryan, Albert O., River Edge, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Insulated electric conductor. 2,381,003; Aug. 7.

S. & S. Products Company, The: *See*—
Nitschman, George H., assignor.

Sabina, John R.: *See*—
Korb, E. L., and Sabina.

Saco-Lowell Shops: *See*—
Rabasa, Joseph, assignor.

St. Pierre, Eugene: *See*—
Green, I. H. C., and St. Pierre.

Salisbury, Carl D., Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine lubricating system. 2,381,839; Aug. 7.

Sandler, Jacob: *See*—
Lee, Bernard F., assignor.

Sargent & Company: *See*—
Oxhandler, Samuel, assignor.

Sauer, Robert O.: *See*—
Patnode, W. I., and Sauer.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Resolution of azeotropic mixtures of chlorosilanes. 2,381,139; Aug. 7.

Saunders, Charles W., Bramley, assignor to General Electric Company Limited, London, England. Electric torch which floats lamp uppermost in water. 2,381,520; Aug. 7.

Savrda, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Fish filleting machine. 2,381,560; Aug. 7.

Sayre, Gordon B., Brooklyn, N. Y., assignor to Boonton Molding Company, Boonton, N. J. Valve control for hydraulic presses. 2,381,776; Aug. 7.

Schaefer, Rudolph K., B. Allen, and R. Lopez, Brownsville, Tex. Automatic longitudinal trimmer. 2,381,840; Aug. 7.

Schaelchlin, Walter, Pittsburgh, and E. H. Hornbarger, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stability controlled ship propulsion system. 2,381,313; Aug. 7.

Schiessler, Robert W.: *See*—
Patnode, W. I., and Schiessler.
Schlumberger, Marcel, Paris, France; vested in the Alien Property Custodian. Gun perforator. 2,381,081; Aug. 7.
Schmelkes, Franz C., Montclair, N. J., and F. J. G. de Leeuw, East Aurora, N. Y., assignors to Wallace & Tiernan Products Inc. Composite therapeutic film. 2,381,621; Aug. 7.
Schmidt, Charles B., Buffalo, N. Y. Focusing attachment for cameras. 2,381,228; Aug. 7.
Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blower apparatus. 2,381,777; Aug. 7.
Schneider, Stanley S.: *See*—
Gregory, L. W., and Schneider.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Ratio changing fluid pressure system. 2,381,004; Aug. 7.
Schoonmaker, James M., Jr., Sewickley, and F. Stockton, assignors to Standard Steel Spring Company, Coraopolis, Pa. Producing protected metal articles. 2,381,778; Aug. 7.
Schröder, Alf, Brooklyn, N. Y. Combustion engine. 2,381,465; Aug. 7.
Schultz, Alfred and C., Upham, N. D. Farm implement. 2,381,005; Aug. 7.
Schultz, Carl: *See*—
Schultz, Alfred and C.
Schultz, Henry F., New Lothrop, Mich. Trailer hitch. 2,381,841; Aug. 7.
Schultze, Paul, assignor to Doran Brothers, Incorporated, Danbury, Conn. Riveting apparatus. 2,381,690; Aug. 7.
Schulze, Walter A., and J. A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrocarbon conversion process. 2,381,466; Aug. 7.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,381,691; Aug. 7.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,381,692; Aug. 7.
Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,381,693; Aug. 7.
Schussman, Kenneth L.: *See*—
Cooke, W. T., and Schussman.
Schutz, Harold R., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for burning off glassware. 2,381,467; Aug. 7.
Schwend, Fred N., Berkeley, Calif. Aircraft wheel control device. 2,381,842; Aug. 7.
Sconce, James S., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Separation of asbestos fiber from associated solids. 2,381,369; Aug. 7.
Scott, Frederick S., assignor to Union Oil Company of California, Los Angeles, Calif. Protection device against aerial and other bombardment. 2,381,779; Aug. 7.
Scott, Norman D.: *See*—
Cornthwaite, W. R., and Scott.
Scott, Norris A., Jr., Mountain Lakes, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchange device. 2,381,006; Aug. 7.
Scrantom, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Part for knitting machines. 2,381,370; Aug. 7.
Scrutchfield, Paul H., assignor to Hercules Powder Company, Wilmington, Del. Rubber derivative composition. 2,381,694; Aug. 7.
Sears, Roebuck and Co.: *See*—
Lithgow, J., and Jackson, assignors.
Self-Priming Pump & Engineering Co. Limited: *See*—
Meredew, G. C., and Dawson, assignors.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitro amines and preparing same. 2,381,408; Aug. 7.
Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Pumping system. 2,381,695; Aug. 7.
Servel, Inc.: *See*—
Andersson, Sven W. E., assignor.
Seyerle, Wilhelm, Waldenbronn, near Esslingen-on-the-Neckar, Germany; vested in the Alien Property Custodian. Cooling arrangement for internal-combustion engines. 2,381,007; Aug. 7.
Shalhoub, William J., North Bergen, N. J. Roll paper dispenser. 2,381,229; Aug. 7.
Shannon, Olyn W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of acetone with unsaturated compounds. 2,381,371; Aug. 7.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Production of hydrogen-nitrogen mixtures. 2,381,696; Aug. 7.
Sharp, Phyllis M., et al.: *See*—
Sharp, William V., assignor.
Sharp, William V., assignor of fifty-one percent to W. S. Meader and nineteen percent to P. M. E. Sharp, Pocatello, Idaho. Advertising device. 2,381,008; Aug. 7.
Shawinigan Chemicals Limited: *See*—
Andersen, A. H., and Fasken, assignors.
Shell Development Company: *See*—
De Jong, Johan J., assignor.
Shepard, Frank B., Texon, Tex. Hub structure. 2,381,697; Aug. 7.
Shepherd, Reginald V., and H. J. Turpin, London, England. Trigger mechanism. 2,381,521; Aug. 7.
Sheppard, Creedy C., Fort Lee, N. J. Boat. 2,381,622; Aug. 7.
Sherlock, Albert, Rainford, assignor to Pilkington Brothers Limited, Lancaster, England. Purification of sand and other minerals from iron. 2,381,843; Aug. 7.
Shields, William H., assignor to Emery Industries, Inc., Cincinnati, Ohio. Manufacture of greases from grease bases. 2,381,314; Aug. 7.
Shinkle, Seaphes D., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Insect repellent. 2,381,082; Aug. 7.
Short, George A.: *See*—
Crew, Morris W., and Short.
Shortland, Arthur: *See*—
Bromley, T. C., and Shortland.
Shufflebotham, John S., Walsall, England, assignor to Imperial Chemical Industries Limited. Cartridge case. 2,381,083; Aug. 7.
Siderman, Joseph A., Eatontown, N. J. Chronometric radiosonde system. 2,381,009; Aug. 7.
Silber, Eugene, New York, N. Y. Injector-timer for internal-combustion engines. 2,381,623; Aug. 7.
Silex Company, The: *See*—
Wolcott, Frank E., assignor.
Silk, Charles E., Alton, Ill., assignor to Olin Industries, Inc. Making extruded powder. 2,381,468; Aug. 7.
Simmonds Development Corporation Limited: *See*—
Clayson, Harry F., assignor.
Simonds, George D., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis. Tandem drive axle. 2,381,624; Aug. 7.
Simons, Glenn, Larrabee, Iowa. Convertible elevator for trucks. 2,381,780; Aug. 7.
Simpson, Henry A.: *See*—
Pecker, J. S., Simpson, and Kirshner.
Sinclair Refining Company: *See*—
Apgar, F. A., and Teter, assignors.
Teter, John W., assignor.
Singer Manufacturing Company, The: *See*—
Arnhym, Albert A., assignor.
Parry, Frank, assignor.
Sireci, Gesualdo, Brooklyn, N. Y. Plumb bob. 2,381,698; Aug. 7.
Slad, Harry A., assignor of fifty per cent to L. C. Slad, West Chester, Ill. Tweezers. 2,381,084; Aug. 7.
Slad, Lillian C.: *See*—
Slad, Harry A., assignor.
Sleicher, Charles A., assignor to New England Butt Company, Providence, R. I. Grate-supporting structure. 2,381,781; Aug. 7.
Slocomb, F. F., Corporation: *See*—
Ladner, Lawrence A., assignor.
Smith, A. O., Corporation: *See*—
Cota, Alvin F., assignor.
Heath, William C., assignor.
Richter, Walther, assignor.
Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,381,699; Aug. 7.
Smith, George E. P., Jr., and E. L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company. Vulcanization accelerator. 2,381,392; Aug. 7.
Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanization of rubber. 2,381,397; Aug. 7.
Smith, Gobin: *See*—
Kendig, John R., assignor.
Smith, Lloyd S., Tustin, Calif. Rotary pump. 2,381,700; Aug. 7.
Smith, Raymond: *See*—
Wyche, E. H., and Smith.
Smith, Roy M., Fairfield, and B. C. Webster, Southport, assignors to The Bryant Electric Company, Bridgeport, Conn. Connection. 2,381,315; Aug. 7.
Smith, Telford L.: *See*—
Gill, J. B., and Smith.
Snyder, Ernest R., Tempe, Ariz. Excavator. 2,381,085; Aug. 7.
Socony-Vacuum Oil Company, Incorporated: *See*—
Angel, H. S., Fuller, and Berger, assignors.
Reiff, Orland M., assignor.
Söderström, Nils M. G., Spanga, and H. F. Rost, Djursholm, Sweden. Cultivating yeast with treated waste sulphite liquor. 2,381,230; Aug. 7.
Solar Aircraft Company: *See*—
Allen, L. B., and Heath, assignors.
Solar Corporation: *See*—
Feldtkeller, Carl L., assignor.
Sollie, Elvyn M.: *See*—
Frostick, H. G., and Sollie.
Solvay Process Company, The: *See*—
Fessler, William A., assignor.
Spear, Clifton T., Texarkana, Tex. Fish lure. 2,381,231; Aug. 7.
Spence, John: *See*—
Carroll, B. H., and Spence.

Spence, Le Roy U., Elkins Park, and C. H. McKeever, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Raw material for resin synthesis. 2,381,855; Aug. 7.
Sperry Gyroscope Company, Inc.: *See*—
Bates, Mortimer F., assignor.
Carter, Leslie F., assignor.
Cooke, W. T., and Schussman, assignors.
Curry, Robert S., Jr., assignor.
Spigelsky, William S., Monessen, Pa. Gun aligning device. 2,381,010; Aug. 7.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,381,011; Aug. 7.
Sprouse, Ada, et al.: *See*—
Morris, John Y., assignor.
Sprouse, V. E., Company: *See*—
Morris, John Y.
Sprouse, Verner E., et al.: *See*—
Morris, John Y., assignor.
Sprung, Murray M., Scotia, and W. F. Gilliam, Schenectady, N. Y., assignors to General Electric Company. Organosilicon halides. 2,380,998; Aug. 7.
Sprung, Murray M., Scotia, and W. F. Gilliam, Schenectady, N. Y., assignors to General Electric Company. Preparation of organosilicon halides. 2,380,999; Aug. 7.
Square D Company: *See*—
Van Valkenburg, Hermon L., assignor.
Stackpole Carbon Company: *See*—
Reiff, Vincent N., assignor.
Staman, Robert K.: *See*—
Kress, O., Zeitlin, and Staman.
Standard Machinery Company: *See*—
Grosser, Christian E., assignor.
Standard Oil Company: *See*—
Anderson, John A., assignor.
D'Ouville, E. L., and Evering, assignors.
Loane, Clarence M., assignor.
Standard Oil Company, The: *See*—
Burk, Robert E., assignor.
Burk, R. E., and Lankelma, assignors.
Standard Oil Development Company: *See*—
Baldeschwieler, E. L., and Gaylor, assignors.
Dill, Gilbert D., assignor.
Lieber, E., and Thorner, assignors.
Standard Products Company, The: *See*—
Bascom, Roger C., assignor.
Standard Register Company, The: *See*—
Davidson, John T., assignor.
Standard Steel Spring Company: *See*—
Schoonmaker, J. M., Jr., and Stockton, assignors.
Staudinger, Hanns P., Ewell, K. H. W. Tuerck, Banstead, and C. A. Brighton, Ewell, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. 2,381,561; Aug. 7.
Staudinger, Hanns P., Ewell, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of condensation products of acetylene. 2,381,701; Aug. 7.
Stavely, Frederick W., K. L. Edgar, and S. W. Hoffmann, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel tank. 2,381,400; Aug. 7.
Steele, Doty M., Los Angeles, Calif. Assayer's scale. 2,381,086; Aug. 7.
Stein, Hall & Company, Inc.: *See*—
Griffin, I. L., Truax, and Nuttall, assignors.
Steinel, George E., Barberton, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Proofing tubes. 2,381,383; Aug. 7.
Stengel, Leonard A., and F. E. Maple, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyst and process for producing polyhydroxy compounds. 2,381,316; Aug. 7.
Stephens, Howard O., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,381,782; Aug. 7.
Stephens, Thomas J., New York, N. Y. Liquid fuel feed control. 2,381,372; Aug. 7.
Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 2,381,379; Aug. 7.
Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus (ply turndown). 2,381,401; Aug. 7.
Stevens, Thomas F.: *See*—
Davis, E. E., and Stevens.
Stevenson, Francis W., Detroit, Mich. Conveyer for automotive vehicles. 2,381,783; Aug. 7.
Stewart, Charles P., Los Angeles, Calif. Chuck attachment. 2,381,087; Aug. 7.
Stewart, Meredith M., Beacon, assignor to The Texas Company, New York, N. Y. Hydrocarbon conversion process. 2,381,522; Aug. 7.
Stewart, Meredith M., Beacon, assignor to The Texas Company, New York, N. Y. Isomerization of paraffin hydrocarbons. 2,381,562; Aug. 7.
Stewart, Nelson H., Fairmont, W. Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray tube anode seal. 2,381,625; Aug. 7.
Stewart-Warner Corporation: *See*—
Heymann, Seymour E., assignor.
Marshall, William A., Jr., assignor.
Stewart, William D., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization initiator. 2,381,702; Aug. 7.
Stinson, Jamie T., Jonesboro, La. Wire twisting plier. 2,381,703; Aug. 7.
Stockton, Franklin: *See*—
Schoonmaker, J. M., Jr., and Stockton.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core taking apparatus. 2,381,844; Aug. 7.
Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Pressure core drilling apparatus. 2,381,845; Aug. 7.
Stone, Charles, Brooklyn, N. Y. Girdle. 2,381,232; Aug. 7.
Stonehill, Albert A., Brooklyn, N. Y., assignor to Johnson & Johnson, New Brunswick, N. J. Dental floss. 2,381,142; Aug. 7.
Stowe, Stephen C., assignor to The Dow Chemical Company, Midland, Mich. Recovery of isoprene from hydrocarbon mixtures comprising same and piperylene. 2,381,409; Aug. 7.
Strain, Franklin: *See*—
Muskat, I. E., and Strain.
Streck, Clemens: *See*—
Von Glahn, W. H., Walsh, and Streck.
Streeter-Amet Company: *See*—
Roeser, Harry M., assignor.
Strickland, Harold A., Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Inductor apparatus. 2,381,143; Aug. 7.
Strickland, Harold A., Jr., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Synchronous motor generator connection. 2,381,373; Aug. 7.
Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Control device. 2,381,784; Aug. 7.
Strobel, Howard M., New York, N. Y. Device for magnetic control of a discharge. 2,381,317; Aug. 7.
Stromberg-Carlson Company: *See*—
Powell, Winfred T., assignor.
Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Clutch and brake assembly. 2,381,318; Aug. 7.
Stutsman, Paul W., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Secondary electron discharge device. 2,381,012; Aug. 7.
Submarine Signal Company: *See*—
Batchelder, Laurence, assignor.
Sulzer Freres, Societe Anonyme: *See*—
Lieberherr, Hans, assignor.
Summers, J. Mills, Englewood, N. J., assignor to Camloc Fastener Corporation, New York, N. Y. Fastener construction. 2,381,233; Aug. 7.
Superheater Company, The: *See*—
Guirl, Howard P., assignor.
Swaney, Miller W.: *See*—
Robey, R. F., and Swaney.
Sweet, Carroll V., Madison, Wis., dedicated to the free use of the people in the territory of the United States. Building panel. 2,381,469; Aug. 7.
Swift, John F., Detroit, Mich., assignor to Hydraulic Brake Company. Fluid coupling. 2,381,187; Aug. 7.
Swift, Rodney B., West Alexandria, Ohio. Portable oxygen-acetylene generator. 2,381,319; Aug. 7.
Swindle, John A., Whittier, Calif. Chart changer. 2,381,188; Aug. 7.
Switzer, Asa O., Melrose, Ohio. Lamp tube changer. 2,381,563; Aug. 7.
Symmes, Ernest M., Wilmington, Del. Photography. 2,381,234; Aug. 7.
Tama, Manuel and M., Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Submerged resistor type induction furnace. 2,381,523; Aug. 7.
Tama, Mario: *See*—
Tama, Manuel and M.
Tann, William E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Composition of matter. 2,381,388; Aug. 7.
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,381,013; Aug. 7.
Tawney, Gerald L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic apparatus. 2,381,320; Aug. 7.
Taylor, Frank W., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydraulic system for stabilizers. 2,381,162; Aug. 7.
Taylor, H. P., et al.: *See*—
Overbey, Herman T., assignor.
Taylor Instrument Companies: *See*—
Hermann, Arthur, assignor.
Taylor, Walter K., Jersey City, N. J., assignor to American Houses, Inc., New York, N. Y. Adjustable stop. 2,381,564; Aug. 7.
Taylor, William I., Spondon, near Derby, assignor to British Celanese Limited, London, England. Protective headgear. 2,381,524; Aug. 7.
Teletype Corporation: *See*—
Anderson, Howard M., assignor.
Gemmel, Wilbur R., assignor.
Tennessee Valley Authority: *See*—
Walthall, John H., assignor.

Terpak, Stephen, and L. Wetherill, Pittsfield, Mass., assignors to General Electric Company. Bushing. 2,381,787; Aug. 7.

Terry, Bennett F., Stamford, Conn. Preparing printing plates. 2,381,704; Aug. 7.

Teter, John W.: *See*—
Apgar, F. A., and Teter.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of organic compounds containing nitrogen. 2,381,470; Aug. 7.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of organic compounds containing nitrogen. 2,381,471; Aug. 7.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of organic compounds containing nitrogen. 2,381,472; Aug. 7.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalyst. 2,381,473; Aug. 7.

Texas Company, The: *See*—
Callaway, John R., assignor.
Kemp, Lebbeus C., Jr., assignor.
Stewart, Meredith M., assignor.

Thacker, Carlisle M.: *See*—
Folkins, H. O., and Thacker.

Thiel, Otto, Detroit, Mich. Float control. 2,381,626; Aug. 7.

Thiesen, Hugo A. J., St. Louis, Mo. Work-producing speed control. 2,381,321; Aug. 7.

Thomander, Veron S.: *See*—
Young, D. A., and Thomander.

Thomas, Arthur, Wallington, assignor to Powers Accounting Machines Limited, London, England. Web-feeding mechanism. 2,381,322; Aug. 7.

Thomas, Elbert F., Wichita Falls, Tex. Foot corrective attachment for shoes. 2,381,846; Aug. 7.

Thomas Steel Company, The: *See*—
Davis, E. E., and Stevens, assignors.

Thomas, Vaille A., Washington, D. C. Bucket hanger. 2,381,189; Aug. 7.

Thompson, Alfred A., Dayton, Ohio. Convertible ladder. 2,381,525; Aug. 7.

Thompson, Lonnie L., Iowa Park, Tex. Filter. 2,381,627; Aug. 7.

Thompson, Morris J., Los Angeles, Calif. Dental hydrocolloid syringe. 2,381,785; Aug. 7.

Thomson, Robin H. K., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Viscous solutions of vegetable globulins. 2,381,088; Aug. 7.

Thorner, Marvin E.: *See*—
Lieber, E., and Thorner.

Thornley, Joseph H., Evanston, Ill. Foundation and forming same. 2,381,014; Aug. 7.

Thorpe-Woods, Henry, assignor to International Marine Radio Company Limited, London, England. Pump. 2,381,628; Aug. 7.

Throdahl, Monte C., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizable polymerization products. 2,381,526; Aug. 7.

Thurmond, Charles D.: *See*—
Cohen, S. A., Thurmond, and Read.

Timken Roller Bearing Company, The: *See*—
Bonte, Frederick R., assignor.

Tiner, Walter J., and D. G. Phillips, Long Beach, Calif. Trailer connection. 2,381,190; Aug. 7.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,381,144; Aug. 7.

Tinnerman Products, Inc.: *See*—
Tinnerman, George A., assignor.

Tishler, Max: *See*—
Weijlard, J., Messerly, and Tishler.

Tomes, Gilbert A. R.: *See*—
Graves, A., and Tomes.

Trackson Company: *See*—
Erdahl, Nicholas M., assignor.

Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Protective apparatus. 2,381,527; Aug. 7.

Trich, Henry C., Santa Monica, Calif., assignor to Hoof Products Company, Chicago, Ill. Valve for hydraulic control systems. 2,381,528; Aug. 7.

Troxel, Robert: *See*—
Coleman, Philip G., assignor.

Troy Blanket Mills: *See*—
Ripley, George K., assignor.

Truax, Dave E.: *See*—
Griffin, I. L., Truax, and Nuttall.

Trumbull, Fred W., Los Altos, Calif. Trousers marking device. 2,381,191; Aug. 7.

Trust, M. L., R. R. Pendleton, trustee: *See*—
Greenleaf, R. M., and Hunt, assignors.

Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of hydroxylamine hydrochloride and carboxylic acids. 2,381,410; Aug. 7.

Tucker, John T., New York, N. Y. Propulsion apparatus. 2,381,235; Aug. 7.

Tuerck, Karl H. W.: *See*—
Staudinger, H. P., and Tuerck.
Staudinger, H. P., Tuerck, and Brighton.

Turek, Joseph A. V., Wilmette, assignor to Felt and Tarrant Manufacturing Company, Chicago, Ill. Carry foil mechanism. 2,381,788; Aug. 7.

Turnbull, Norman K., Pitman, N. J. Tracer bullet. 2,381,474; Aug. 7.

Turnbull, William J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Seaplane docking. 2,381,789; Aug. 7.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin magazine for weft replenishing looms. 2,381,790; Aug. 7.

Turpin, Harold J.: *See*—
Shepherd, R. V., and Turpin.

Tweeddale, John, Torrance, Calif., assignor to The Secretary of War of the United States of America, as trustee. Cowl for oil burning smoke screen devices. 2,381,374; Aug. 7.

Tweit, Jacob M., Holcombe, Wis. Casting device. 2,381,089; Aug. 7.

Tyler, Tracy B., Chicago, Ill., assignor to The Monopower Corporation, Detroit, Mich. Automatic transmission. 2,381,786; Aug. 7.

Udy, Marvin J., Niagara Falls, N. Y. Chromium recovery. 2,381,236; Aug. 7.

Udy, Marvin J., Niagara Falls, N. Y. Chromium recovery. 2,381,565; Aug. 7.

Ullrich, Edward H., London, W. C. 2, England, assignor to International Electric Corporation, New York, N. Y. System of communication by means of electrical waves. 2,381,847; Aug. 7.

Unger, Paul O.: *See*—
Dawson, G. H., and Unger.

Union Oil Company of California: *See*—
Arnott, Earl, assignor.
Dillon, L., and Ragatz, assignors.
Scott, Frederick S., assignor.

Union Switch & Signal Company, The: *See*—
Jackel, Arthur P., assignor.

United Aircraft Corporation: *See*—
Jarvis, Harold T., assignor.

United Shoe Machinery Corporation: *See*—
LeRette, William P., assignor.
Roberts, William T. B., assignor.

United States, dedicated to the free use of the people in the territory of the: *See*—
Sweet, Carroll V., assignor.
Wilkie, John B.

U. S. Electrical Motors, Inc.: *See*—
Myers, Thomas G., assignor.
Pfleger, George T., assignor.

United States Gypsum Company: *See*—
Baker, George W., assignor.

U. S. Industrial Chemicals, Inc.: *See*—
Hoyt, Howard E., assignor.
Hodge, Howard M., assignor.

United States Rubber Company: *See*—
Brown, Charles F., assignor.
Drake, Charles E., assignor.
Muller, J. A., and Cranston, assignors.
Paul, Philip T., assignor.
Shinkle, Seaphes D., assignor.

Universal Oil Products Company: *See*—
Grosse, A. V., and Mattox, assignors.
Huff, Lyman C., assignor.
Lee, E. C., and Ahlberg, assignors.
Linn, C. B., and Ipatieff, assignors.
Mattox, William J., assignor.

University of New Hampshire: *See*—
Caughey, Robert A., assignor.

Urquhart, Radcliffe M., Montgomeryville, Pa. Apparatus for making cellular masses. 2,381,475; Aug. 7.

Van Amstel, Johannes J. A. P.: *See*—
Addink, N. W. H., van Amstel, and Bos.

Vancura, Rudolf, Vienna, Germany; vested in the Alien Property Custodian. Stapling device. 2,381,192; Aug. 7.

Vanke, Louis J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automobile speed warning device. 2,381,390; Aug. 7.

Van Norman Company: *See*—
Curtis, Frank W., assignor.
Pyne, R. S., and Allen, assignors.

Van Valkenburg, Hermon L., Wauwatosa, assignor to Square D Company, Detroit, Mich. Electric switch. 2,381,848; Aug. 7.

Varndell, Sydney H., London, England. Screw-cutting lathe. 2,381,849; Aug. 7.

Vaszin, Aurel, Dayton, Ohio. Towline thimble. 2,381,193; Aug. 7.

Vickers, Incorporated: *See*—
Willett, Warren P., assignor.

Victor Aircraft Company, Inc.: *See*—
Hulfish, Buford W., assignor.

Vincent, George P., Poughkeepsie, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Decolorization of sugar melts. 2,381,090; Aug. 7.

Vitreous Steel Products Co.: *See*—
Leyerle, Arthur R., assignor.

Vokes, Cecil G., London, England. Filter. 2,381,705; Aug. 7.

Von Bramer, Harold, and L. G. Davy, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing phenylenediamine derivatives. 2,381,015; Aug. 7.

Von Glahn, William H., Loudonville, W. L. Walsh, East Greenbush, and C. Streck, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Stable diazo salt preparation. 2,381,145; Aug. 7.

Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Water mixing valve. 2,381,146; Aug. 7.

Vore, Milton P., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tinplate flowing apparatus. 2,381,323; Aug. 7.

Waage, John J., assignor to Globe Slicing Machine Co. Inc., Stamford, Conn. Stacker for slicing machines. 2,381,016; Aug. 7.

Wadsworth, Robert J., and O. K. Nye, Indianapolis, Ind. Boat propulsion and steering. 2,381,791; Aug. 7.

Wagner Electric Corporation: *See*—
Schnell, Steve, assignor.

Wagner, Richard H., Edgewood, and E. O. Mueller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric traction-motor. 2,381,324; Aug. 7.

Wahl, Albert G., Los Angeles, Calif. Garment hanger. 2,381,629; Aug. 7.

Wahl, Arthur M., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Damped drive-mechanism. 2,381,325; Aug. 7.

Wainwright, John E.: *See*—
Harley, S. J., and Wainwright.

Wakefield, F. W., Brass Company, The: *See*—
Wakefield, George P., assignor.

Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting fixture 2,381,630; Aug. 7.

Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Exteriorly illuminated reflector for lighting fixtures. 2,381,792; Aug. 7.

Wales, George F., Kenmore, N. Y. Perforating apparatus. 2,381,476; Aug. 7.

Wales-Strippit Corporation: *See*—
Kirsch, Frank K., assignor.

Walker, Alexander M.: *See*—
Rogers, R. M., and Walker.

Wallace, David A., Detroit, Mich. Ski harness. 2,381,793; Aug. 7.

Wallace & Tiernan Co. Inc.: *See*—
Booth, G. M., and Ballard, assignors.

Wallace & Tiernan Products, Inc.: *See*—
Booth, George M., assignor.
Cubberley, Mitchell H., assignor.
Schmelkes, F. C., and de Leeuw, assignors.

Walsh, William L.: *See*—
Von Glahn, W. H., Walsh, and Streck.

Walthall, John H., near Sheffield, Ala., assignor to Tennessee Valley Authority. Production of alumina. 2,381,477; Aug. 7.

Wandscheer, Joseph, Sioux Center, Iowa. Snow plow. 2,381,017; Aug. 7.

War of the United States of America, Secretary of, as trustee: *See*—
Tweeddale, John, assignor.

Waring, Eugene H., Los Angeles, assignor to Western Plastics, Incorporated, Glendale, Calif. Boat construction. 2,381,631; Aug. 7.

Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Protective apparatus. 2,381,375; Aug. 7

Waseige, Charles R., Rueil, Seine-et-Oise, France; vested in the Alien Property Custodian., Flywheel starter for aircraft engines. 2,381,018; Aug. 7.

Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit and mounting therefor. 2,381,194; Aug. 7.

Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,381,632; Aug. 7.

Webb, Henry F., St. Louis, Mo. Preserved crab meat and preserving. 2,381,019; Aug. 7.

Weber, Frank A., and H. H. Gregg, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Droppable fuel tank. 2,381,402; Aug. 7.

Webster, Benjamin C.: *See*—
Smith, R. M., and Webster.

Weedon, Charles B., Detroit, Mich. Cellar window construction. 2,381,147; Aug. 7.

Weijlard, John, Westfield, J. P. Messerly, Clark Township, Union County, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing pyridine carboxylic acids. 2,381,794; Aug. 7.

Weisbecker, Frank G., Glenside, Pa. Slur cam for knitting machines. 2,381,376; Aug. 7.

Weisman, Maurice, Roxbury, Mass., assignor to Mabe Corporation, New York, N. Y. Method and apparatus for packing. 2,381,091; Aug. 7.

Weizmann, Charles, London, England. Dehydration of unsaturated alcohols. 2,381,148; Aug. 7.

Weldon Tool Company, The: *See*—
Hedin, Oscar C., assignor.

Wellman Engineering Company, The: *See*—
Crist, Robert W., assignor.

Wells, Alfred W. J., London, England. Safeguarding operators on power presses. 2,381,237; Aug. 7.

Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Television system. 2,381,238; Aug. 7.

Wenneborg, Henry H., Springfield, Ill. Lawn chair. 2,381,149; Aug. 7.

Westerlin and Campbell Company: *See*—
Boyle, John, assignor.

Western Electric Company, Incorporated: *See*—
Scrantom, De Hart G., assignor.

Western Plastics, Incorporated: *See*—
Waring, Eugene H., assignor.

Westinghouse Air Brake Company, The: *See*—
Bush, Rankin J., assignor.
Cook, Earle S., assignor.
Crittenden, Philip L., assignor.
Farmer, Clyde C., assignor.
May, Harry C., assignor.
Mitchell, R. A., and Hines, assignors.
Newell, George K., assignor.
Whitney, Ralph T., assignor.

Westinghouse Electric Corporation: *See*—
Armstrong, George C., assignor.
Arnold, Edwin E., assignor.
Askey, John S., assignor.
Baker, R. M., Frostick, and Whittaker, assignors.
Bastian, Arthur J., assignor.
Bonine, Ralph O., assignor.
Brecht, W. A., and Alben, assignors.
Derr, Willard A., assignor.
Enz, Vern E., assignor.
Farmer, Frank H., assignor.
Fischer, Eugene H., assignor.
Frostick, H. G., and Sollie, assignors.
Goldsborough, Shirley L., assignor.
Green, James H., assignor.
Gregory, L. W., and Schneider, assignors.
Grover, Elliott E., assignor.
Hall, Erik H., assignor.
Hann, Clinton R., assignor.
Harder, Edwin L., assignor.
Hutcheson, John A., assignor.
Kraut, Samuel B., assignor.
Lynn, Clarence, assignor.
Lynn, Lawrence B., assignor.
Mahnke, Kurt, assignor.
May, John W., assignor.
McCulloch, Leon, assignor.
Peck, Clarence E., assignor.
Peek, H. L., and Cumming, assignors.
Pegg, E. H., and Cummings, assignors.
Powell, Edward U., assignor.
Schaelchlin, W., and Hornbarger, assignors.
Schmidt, Henry F., assignor.
Stewart, Nelson H., assignor.
Tamer, Elo C., assignor.
Tawney, Gereld L., assignor.
Taylor, Frank W., assignor.
Vore, Milton P., assignor.
Wagner, R. H., and Mueller, assignors.
Wahl, Arthur M., assignor.
Watrous, Ward W., Jr., assignor.
Whittaker, Charles C., assignor.
Woodman, K. L., and Morton, assignors.
Young, D. A., and Thomander, assignors.
Yungman, Elroy W., assignor.

West Virginia Pulp and Paper Company: *See*—
Kress, O., Zeitlin, and Staman, assignors.

Wetherill, Lynn: *See*—
Terpak, S., and Wetherill.

Whiting Corporation: *See*—
Holmes, Louis D., assignor.

Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake releasing apparatus. 2,381,239; Aug. 7.

Whittaker, Charles C.: *See*—
Baker, R. M., Frostick, and Whittaker.

Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroresponsive indicator. 2,381,326; Aug. 7.

Whittaker, Henry C., Memphis, Tenn. Pin curl hair roller. 2,381,195; Aug. 7.

Whitworth, Ernest B.: *See*—
Cook, A. A., and Whitworth.

Wicker, Dan B., Dunbar, and C. W. Cox, St. Albans, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Staple fiber cutter. 2,381,240; Aug. 7.

Wilcox, George G., assignor to Associated Spring Corporation, Bristol, Conn. Spring testing machine. 2,381,241; Aug. 7.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,381,150; Aug. 7.

Wilkes, Benjamin G., Wilkinsburg, Pa., and W. A. Denison, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Antistatic treatment of vinyl resin textiles. 2,381,020; Aug. 7.

Wilkie, John B., Silver Spring, Md., dedicated to the free use of the people in the territory of the United States. Measuring instrument. 2,381,414; Aug. 7.

Willett, Albert V., Jr.: *See*—
Carter, A. S., and Willett.

Willett, Warren P., Takoma Park, Md., assignor to Vickers, Incorporated, Detroit, Mich. Hydraulic control mechanism. 2,381,795; Aug. 7.
Williams, Beverly E., assignor to Industrial Patents Corporation, Chicago, Ill. Refrigerator car and using. 2,381,796; Aug. 7.
Williams, Edward B., Jr., Greenville, Tex. Drill bit. 2,381,415; Aug. 7.
Williams, Russell J., St. Louis, Mo., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Making bag bodies. 2,381,850; Aug. 7.
Willis, Durward E., Tampa, Fla. Vehicle landing gear. 2,381,529; Aug. 7.
Wilson, Alexander L., Sharpsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Solvent extraction of hydrocarbons. 2,381,092; Aug. 7.
Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Manufacture of sponge rubber. 2,381,706; Aug. 7.
Wilson-Jones Company: *See*—
Dawson, G. H., and Unger, assignors.
Wilson, Norman B., Toronto, Ontario, Canada. Centrifugal clutch. 2,381,196; Aug. 7.
Wilson, Robert T.: *See*—
Lewis, James O., assignor.
Wingfoot Corporation: *See*—
Cheyney, LaVerne E., assignor.
Osterhof, Harold J., assignor.
Roquemore, Glen F., assignor.
Wolcott, Frank E., West Hartford, assignor to The Silex Company, Hartford, Conn. Coffee and tea maker. 2,381,151; Aug. 7.
Wolff, Hans H., assignor to Aktiebolaget Hammarbylampan, Stockholm, Sweden. Making grinding surfaces for charge containers. 2,381,413; Aug. 7.
Wood, Jacob C., Duke, Ala. Airplane. 2,381,021; Aug. 7.
Wood, Robert T., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Molding sand and controlling flowability of same. 2,381,242; Aug. 7.
Wood, William L., Tunbridge Wells, and B. E. V. Bowen, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Removal of acetylene from hydrocarbon mixtures. 2,381,707; Aug. 7.
Woodman, Kenneth L., and E. O. Morton, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pitot static air-speed indicator. 2,381,327; Aug. 7.
Woodward, Charles F., Abington, A. Eisner and P. G. Haines, Philadelphia, Pa., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Preparation of myosmine. 2,381,328; Aug. 7. 2,381,328; Aug. 7.
Woodward Governor Company: *See*—
Greenman, Hugh M., assignor.
Woodward, Paul G.: *See*—
Decker, F. A., Jr., and Woodward.
Worsfold, Charles E., et al.: *See*—
Giorgi, Adelmo, assignor.
Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,381,093; Aug. 7.
Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,381,094; Aug. 7.
Worthley, Edwin C., Minneapolis, Minn. Cabinet door fastening device. 2,381,095; Aug. 7.
Wulff, John, Cambridge, Mass. Iron and iron alloy powders. 2,381,022; Aug. 7.
Wulff, John, Cambridge, Mass. Apparatus for producing iron alloy powders. 2,381,023; Aug. 7.
Wulff, John, Cambridge, Mass. Producing iron powder from cheap source material. 2,381,024; Aug. 7.
Wyche, Ernest H., and R. Smith, Pittsburgh, Pa. Age hardenable chromium-nickel stainless steel. 2,381,416; Aug. 7.
Young, Douglass A., East Orange, and V. S. Thomander, Maplewood, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring instrument. 2,381,329; Aug. 7.
Young, Leonard W., Northwood, England. Lock and fastening device. 2,381,633; Aug. 7.
Yuba Tank & Steel Co.: *See*—
Markwart, E. H., and Cannon.
Yungman, Elroy W., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic charging structure. 2,380,993; Aug. 7.
Zalkind, Joseph, New York, N. Y. Line-up platen. 2,381,197; Aug. 7.
Zarwell, Cedric E.: *See*—
Johnson, R. W., and Zarwell.
Zeitlin, Frank: *See*—
Kress, O., Zeitlin, and Staman.
Zukor, Arnold, New York, N. Y. Automatic airplane safety raising and guiding device. 2,381,478; Aug. 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aircraft engine control. F. Gosslau and J. Schmidt. Re. 22,661; Aug. 7.
Audiphone, Bone conduction. H. Koch. Re. 22,658; Aug. 7.
Fastener. G. A. Tinnerman. Re. 22,659; Aug. 7.
Implement, Tractor propelled. G. W. Mork. Re. 22,662; Aug. 7.
Milking parlor. H. B. Babson and J. J. Stampen. Re. 22,657; Aug. 7.
Waving hair. R. L. Evans and E. G. McDonough. Re. 22,660; Aug. 7.

LIST OF DESIGN INVENTIONS

Balancing device, Wheel. A. N. Butler. 141,990; Aug. 7.
Blotter, Roller. L. Cotton. 141,954; Aug. 7.
Bottle and cover, Combined perfume. J. Silston. 141,987; Aug. 7.
Brooch or similar article. A. Katz. 141,961; Aug. 7.
Cabinet, Radio receiver. H. Terrell. 141,999; Aug. 7.
Calendar, Perpetual. S. H. Stupakoff. 141,969; Aug. 7.
Case, Display. P. O. Pedersen. 141,966; Aug. 7.
Case, Vanity. R. T. Plate. 141,984; Aug. 7.
Clamp. I. Knobel. 141,962; Aug. 7.
Clip for wearing apparel or similar article. J. F. Pivcevich. 141,949; Aug. 7.
Cover, Bible book. F. Tatar. 141,970; Aug. 7.
Cracker. R. Forte. 141,977; Aug. 7.
Figurine or similar article. C. Champness. 142,003; Aug. 7.
Fork, Utility. J. I. Michaels. 141,948; Aug. 7.
Frame, Conveyer. W. S. Campbell. 141,975; Aug. 7.
Frame or similar article, Picture. M. Gabriel. 141,947; Aug. 7.
Game device, Target. B. P. Barrett. 141,952; Aug. 7.
Girdle and brassière, Combined. M. Kleinitz. 141,993; Aug. 7.
Handbag. H. Rubin. 141,986; Aug. 7.
Hat. J. C. Marks. 142,005–8; Aug. 7.
Hoe and weeder head, Combined. C. W. Busby. 141,945; Aug. 7.
Holder for cosmetic preparations or the like, Multiple. F. Frederics. 141,978; Aug. 7.
Holder, Poker chip and playing card. D. J. Smith. 141,951; Aug. 7.
Jig, Drill. F. McCullough. 141,995; Aug. 7.
Kit or the like, Toilet. R. L. Holland and W. F. Nessen. 141,980; Aug. 7.
Meter, Sales. C. F. Ramsay. 141,985; Aug. 7.
Motion picture machine and carrying case therefor, Portable. W. C. De Vry. 141,955; Aug. 7.
Pen, Fountain. M. J. Waldinger. 142,000; Aug. 7.
Pencil, Mechanical. M. J. Waldinger. 142,001; Aug. 7.
Plaque. I. W. Lemle. 141,963; Aug. 7.
Plate for a sink and laundry tub supply fitting or the like, Cover. R. H. Zinkil. 141,988; Aug. 7.
Rack, Knife. H. P. Glass. 141,956–60; Aug. 7.
Rack or the like, Towel. E. J. Coffed. 141,976; Aug. 7.
Racker, Poker chip. W. B. Sewell. 141,950; Aug. 7.
Reel, Fish line. R. T. Hedfield. 141,979; Aug. 7.
Remover, Container closure. M. C. Ranseen. 141,967; Aug. 7.
Remover, Crown cap. M. C. Ranseen. 141,968; Aug. 7.
Shield. H. Pedersen. 141,997; Aug. 7.
Shoe. G. P. Christison. 141,953; Aug. 7.
Spoon or similar article of flatware. S. Summon. 141,998; Aug. 7.
Stand, Collapsible music. W. Berg. 141,989; Aug. 7.
Stand, Hub switch. C. H. Nordberg. 141,996; Aug. 7.
Stroller, Doll. M. Cohen. 141,946; Aug. 7.
Suit. A. Gruber. 142,004; Aug. 7.
Suit. M. Levy. 141,981; Aug. 7.
Suit. M. Levy. 141,994; Aug. 7.
Suit. M. Levy. 142,002; Aug. 7.
Top, Can. J. Coyle and W. F. Punte. 141,991; Aug. 7.
Toy. B. F. Long. 141,965; Aug. 7.
Toy. L. Wolf. 141,972–3; Aug. 7.
Toy, Animal. W. Paul. 141,982; Aug. 7.
Toy, Animal. W. Paul. 141,983; Aug. 7.
Toy truck. G. Lerner and S. Gilbert. 141,964; Aug. 7.
Tray for cosmetics. M. Walhimer. 141,971; Aug. 7.
Tray or similar article, Ash. B. L. Jackson. 141,992; Aug. 7.
Welt, Shoe. W. C. Wright. 141,974; Aug. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles. C. E. Drake. 2,381,266–7; Aug. 7.
Accelerator. Vulcanization. E. L. Carr. 2,381,384; Aug. 7.
Accelerator, Vulcanization. G. E. P. Smith, Jr., and E. L. Carr. 2,381,392; Aug. 7.
Accounting machine. W. J. Kreider. 2,381,546; Aug. 7.
Acetal, Plasticized polyvinyl. LaV. E. Cheyney. 2,380,925; Aug. 7.
Acetate and synthetic resins made therefrom, Vinyl trimethyl. W. R. Cornthwaite and N. D. Scott. 2,381,338; Aug. 7.
Acetylene from hydrocarbon mixtures, Removal of. W. L. Wood and B. E. V. Bowen. 2,381,707; Aug. 7.
Acetylene, Production of condensation products of. H. P. Staudinger and K. H. W. Tuerck. 2,381,701; Aug. 7.
Acids, Manufacture of hydroxylamine, hydrochloride and carboxylic. P. F. Tryon. 2,381,410; Aug. 7.
Acids, Preparing pyridine carboxylic. J. Weijlard, J. P. Messerly, and M. Tishler. 2,381,794; Aug. 7.
Acylated derivatives of polyamino ether alcohols and making same, Certain ester-linked. M. De Groote and B. Keiser. 2,381,118; Aug. 7.
Adjustable end hose clamp. J. Y. Morris. 2,381,551; Aug. 7.
Adjustable gauge wheel support. J. M. Bowen and C. J. Allen. 2,381,202; Aug. 7.
Adjustable stop. W. K. Taylor. 2,381,564; Aug. 7.
Advertising device. W. V. Sharp. 2,381,008; Aug. 7.
Aeroplane carrier. J. F. H. Fechtenburg. 2,381,583; Aug. 7.
Age hardenable chromium-nickel stainless steel. E. H. Wyche and R. Smith. 2,381,416; Aug. 7.
Aiding in the creation of a line rendition in true perspective of an object to be depicted. E. C. Hoffman. 2,381,165; Aug. 7.
Air circulating apparatus. J. R. Boyle. 2,380,935; Aug. 7.
Air conditioning. S. W. E. Andersson. 2,381,427; Aug. 7.
Aircraft control. R. M. Nardone. 2,381,362; Aug. 7.
Aircraft control column. B. B. Harman. 2,381,217; Aug. 7.
Aircraft gun mount. H. F. Franklin. 2,381,341; Aug. 7.
Aircraft heating apparatus. S. E. Heymann. 2,381,591 Aug. 7.
Aircraft identifying and range estimating trainer. J. W. Jones. 2,381,757; Aug. 7.
Aircraft wheel control device. F. N. Schwend. 2,381,842; Aug. 7.
Airplane. M. Jensen. 2,381,596; Aug. 7.
Airplane. J. C. Wood. 2,381,021; Aug. 7.
Airplane aileron control. G. B. Carroll. 2,381,721; Aug. 7.
Airplane and control device therefor. F. R. Maxwell. 2,381,679–81; Aug. 7.
Airplane safety raising and guiding device, Automatic. A. Zukor. 2,381,148; Aug. 7.
Airplane wing. F. R. Maxwell. 2,381,678; Aug. 7.
Airship. J. D. Langdon. 2,381,456; Aug. 7.
Air volume control. F. Brandstrom. 2,381,640; Aug. 7.
Alcohols, Dehydration of unsaturated. C. Weizmann. 2,381,148; Aug. 7.
Alloy: *See*—
  Aluminum alloy. Antifriction alloy.
Alloy ingots and product thereof, Thermally treating aluminum base. P. C. Beck. 2,381,714; Aug. 7.
Alloys, Zinc base. E. S. Bunn. 2,380,920–2; Aug. 7.
Alternator. F. W. Iden. 2,380,966; Aug. 7.
Alumina, Production of. J. H. Walthall. 2,381,477; Aug. 7.
Aluminum alloy. I. M. Le Baron. 2,381,219; Aug. 7.
Amides and making same, Ester-linked acyl. M. De Groote and B. Keiser. 2,381,117; Aug. 7.
Amplifier, Negative feedback. J. R. Cannon. 2,380,923; Aug. 7.
Analyzer, Ignition. C. W. McCoy. 2,381,609; Aug. 7.
Animal tissue, Treatment of. J. Epst. 2,381,813; Aug. 7.
Annular surfaces, Grinding. J. W. Alsdorf. 2,381,418; Aug. 7.
Antenna unit, Loop. M. L. Brownshield. 2,381,334; Aug. 7.
Antifriction alloy. F. R. Hensel and E. I. Larsen. 2,381,497; Aug. 7.
Antioxidants. P. T. Paul. 2,381,771; Aug. 7.
Apparatus for and method of rust proofing. E. W. Richards. 2,381,183; Aug. 7.
Apparatus for attenuating fibers. E. Fletcher. 2,380,915; Aug. 7.
Apparatus for bumping platen presses. A. Hermann. 2,381,125; Aug. 7.

Apparatus for burning off glassware. H. R. Schutz. 2,381,467; Aug. 7.
Apparatus for burning refuse. N. T. Puckett. 2,381,182; Aug. 7.
Apparatus for charging and sealing tubular containers. G. L. McFarland, Jr. 2,381,764; Aug. 7.
Apparatus for coalescing foam. L. Dillon and E. G. Ragatz. 2,381,578; Aug. 7.
Apparatus for degreasing containers. E. W. Kimmig and F. J. Peters. 2,380,968; Aug. 7.
Apparatus for determining unbalance in rotors. O. W. Carlstein. 2,381,645; Aug. 7.
Apparatus for making cellular masses. R. M. Urquhart. 2,381,475; Aug. 7.
Apparatus for processing cord. G. P. Bosomworth. 2,381,398; Aug. 7.
Apparatus for producing iron alloy powders. J. Wulff. 2,381,023; Aug. 7.
Apparatus for removing water from paper webs. C. W. Mayer. 2,381,766; Aug. 7.
Apparatus for trimming pies and the like. F. Bryant. 2,381,644; Aug. 7.
Applicator. A. Habostad. 2,381,048; Aug. 7.
Armature, Motor. F. P. Forss. 2,381,533; Aug. 7.
Aromatic hydrocarbons, Production of alkyl. W. J. Mattox. 2,381,175; Aug. 7.
Article conveying mechanism. J. P. Benoit. 2,381,798; Aug. 7.
Asbestos fiber from associated solids, Separation of. J. S. Sconce. 2,381,369; Aug. 7.
Atomizer, Plastic. G. B. Robinson. 2,381,558; Aug. 7.
Automatic fish lock. H. Barr. 2,381,100; Aug. 7.
Awning. F. G. Dueweke. 2,380,928; Aug. 7.
Axle, Tandem drive. G. D. Simonds. 2,381,624; Aug. 7.
Azeotropic mixtures of chlorosilanes, Resolution of. R. O. Sauer. 2,381,139; Aug. 7.
Babbitting. S. Adels. 2,381,797; Aug. 7.
Bag bodies, Making. R. J. Williams. 2,381,850; Aug. 7.
Baler, Pickup. S. D. Russell. 2,381,620; Aug. 7.
Ball bearing. R. P. Ellis. 2,381,730; Aug. 7.
Balsa article, Moulded. D. Newmark. 2,381,134; Aug. 7.
Barite in fluorspar concentrate, Reducing. W. E. Duncan. 2,381,120; Aug. 7.
Barrier, Hidden. R. B. Gray. 2,381,739; Aug. 7.
Barrow, Kiddle. W. M. Roberts. 2,381,618; Aug. 7.
Battery, Storage. G. N. Proctor. 2,381,140; Aug. 7.
Bead lock. J. E. Hale. 2,381,382; Aug. 7.
Beam, Structural. D. T. Dubassoff. 2,380,953; Aug. 7.
Bearing: *See*—
  Ball bearing. Journal bearing.
Bearing. H. A. Knox. 2,380,971; Aug. 7.
Bearing assembly. A. J. Bastian. 2,381,249; Aug. 7.
Bearing assembly. V. E. Enz. 2,381,270; Aug. 7.
Bearing construction for dynamo-electric machines. F. J. Lyden. 2,381,070; Aug. 7.
Bearing cup puller. L. E. Looney. 2,380,980; Aug. 7.
Bed board, Combination folding orthopedic and reclining. F. R. Muenzen. 2,381,509; Aug. 7.
Benzene compounds, Purification of dihydroxy. W. J. Cotton. 2,381,209; Aug. 7.
Beryllium. Producing. B. R. F. Kjellgren. 2,381,291; Aug. 7.
Bevel edges on metal strip and the like, Producing. E. E. Davis and T. F. Stevens. 2,381,808; Aug. 7.
Binder, Cumulative sheet. A. J. Cardoza. 2,381,204; Aug. 7.
Binder, Loose-leaf. G. H. Dawson and P. O. Unger. 2,381,040; Aug. 7.
Bit: *See*—
  Drill bit.
Blade, Indexing airplane propeller. W. C. Heath. 2,381,284; Aug. 7.
Blind structure, Venetian. L. I. Kahn. 2,381,060; Aug. 7.
Blind, Venetian. O. Green. 2,381,158; Aug. 7.
Blower apparatus. H. F. Schmidt. 2,381,777; Aug. 7.
Board: *See*—
  Musical game board.
Boat. C. C. Sheppard. 2,381,622; Aug. 7.
Boat construction. E. H. Waring. 2,381,631; Aug. 7.
Boat propulsion and steering. R. J. Wadsworth and O. K. Nye. 2,381,791; Aug. 7.
Bolt, Cold rolled grip. E. J. Cole. 2,380,944; Aug. 7.
Bobbin magazine for weft replenishing looms. C. Darwin. 2,381,725; Aug. 7.
Bobbin magazine for weft replenishing looms. R. G. Turner. 2,381,790; Aug. 7.
Bomb protector. G. J. Frederick. 2,381,534; Aug. 7.
Booster regulator. F. H. Farmer. 2,381,271; Aug. 7.

Boron fluoride, Recovering. E. L. Baldeschwieler and P. J. Gaylor. 2,381,027; Aug. 7.
Bowling score projector. J. B. Coker. 2,381,260; Aug. 7.
Bowstring relay. E. U. Powell. 2,381,309; Aug. 7.
Brake: *See*—
  Hand brake. Wheel brake.
Brake. R. W. Brown. 2,381,393; Aug. 7.
Brake. A. S. Edmonds. 2,381,654–5; Aug. 7.
Brake. R. A. Goepfrich and B. E. House. 2,381,737; Aug. 7.
Brake. B. E. House. 2,381,746; Aug. 7.
Brake actuating means, Making. R. A. Goepfrich. 2,381,736; Aug. 7.
Brake and power interlock apparatus. E. S. Cook. 2,381,208; Aug. 7.
Brake assembly, Pear peeler stemming tube. G. A. Dunn. 2,380,954; Aug. 7.
Brake releasing apparatus. R. T. Whitney. 2,381,239; Aug. 7.
Braking device, Automatic. C. M. Jameson. 2,381,755; Aug. 7.
Brassière. A. Licht. 2,380,978; Aug. 7.
Breaker, Circuit. J. D. Hilliard. 2,381,592; Aug. 7.
Briquettes for alloying. A. Linz. 2,381,675; Aug. 7.
Bucket for exhaust turbine superchargers, Turbine. A. W. Merrick. 2,381,459; Aug. 7.
Bucket hanger. V. A. Thomas. 2,381,189; Aug. 7.
Building panel. C. V. Sweet. 2,381,469; Aug. 7.
Bullet, Tracer. N. K. Turnbull. 2,381,474; Aug. 7.
Buoy, Mooring. H. P. Beach, Jr. 2,381,394; Aug. 7.
Burner: *See*—
  Engine operated burner. Oil burner.
Burner and improved air admission means therefor, Pot type. B. Hayter. 2,381,744; Aug. 7.
Burr from strips, Removing. E. E. Davis and T. F. Stevens. 2,381,807; Aug. 7.
Bushing. S. Terpak and L. Wetherill. 2,381,787; Aug. 7.
Cabinet: *See*—
  Phonograph disk record cabinet.
Cabinet door fastening device. E. C. Worthley. 2,381,095; Aug. 7.
Calculating device. R. W. Danielson. 2,381,424; Aug. 7.
Calculating device. R. A. Noble. 2,381,836; Aug. 7.
Calculating machine. J. Friedlander. 2,381,660; Aug. 7.
Cam for knitting machines, Slur. F. G. Weisbecker. 2,381,376; Aug. 7.
Can bodies, Producing. W. A. Meyer. 2,381,460; Aug. 7.
Canning. R. H. C. Moeller. 2,380,984; Aug. 7.
Canopy for luminaries. S. B. Kraut. 2,381,292; Aug. 7.
Cap. C. M. Grannan. 2,381,738; Aug. 7.
Car: *See*—
  Shuttle car.
Carbonization. A. H. Andersen and N. R. Fasken. 2,380,930; Aug. 7.
Carburetor. S. F. Hunt. 2,381,751; Aug. 7.
Cargo sling hook. L. G. Ehmann. 2,381,531; Aug. 7.
Carrier: *See*—
  Aeroplane carrier.
Carrier current system. E. W. Kenefake. 2,381,758; Aug. 7.
Carton-blank handling apparatus for wire-stitching machines. G. H. Harred. 2,381,743; Aug. 7.
Carton, Lined. W. H. Arthur. 2,381,026; Aug. 7.
Carton partition means. W. H. Inman. 2,381,543; Aug. 7.
Cartridge case. J. S. Shufflebotham. 2,381,083; Aug. 7.
Case: *See*—
  Cartridge case.
Cassette. F. T. Powers. 2,381,556; Aug. 7.
Casting apparatus, Centrifugal. G. T. Pfleger. 2,381,616; Aug. 7.
Casting device. J. M. Tweit. 2,381,089; Aug. 7.
Catalyst. J. W. Teter. 2,381,473; Aug. 7.
Catalysts, Treating. M. P. Matuszak. 2,381,677; Aug. 7.
Catalytic conversion process. E. C. Lee and J. E. Ahlberg. 2,381,825; Aug. 7.
Catalytic material, Regeneration of. F. E. Frey. 2,381,659; Aug. 7.
Cell for field coils, Molded. J. S. Askey. 2,381,245; Aug. 7.
Centrifugal clutch. N. B. Wilson. 2,381,196; Aug. 7.
Cereal grains, Treating. A. K. Balls and W. S. Hale. 2,381,421; Aug. 7.
Chair: *See*—
  Lawn chair.
Chair. E. C. Booth. 2,381,718; Aug. 7.
Chart changer. J. A. Swindle. 2,381,188; Aug. 7.
Chemical compound and making same, New. M. De Groote and B. Keiser. 2,381,115; Aug. 7.
Chemical reactions or physical treatments, Facilitating and controlling. G. D. Dill. 2,381,119; Aug. 7.
Chimney construction. R. W. McLaughlin. 2,381,548; Aug. 7.
Chimney liner extension. L. H. Munyon. 2,381,178; Aug. 7.
Chlor benzyl xanthates. E. S. Blake and K. L. Godfrey. 2,381,483; Aug. 7.
Chlorobutadienes from butane, Manufacture of. A. S. Carter and F. W. Johnson. 2,381,037; Aug. 7.
Chromium recovery. M. J. Udy. 2,381,236; Aug. 7.
Chromium recovery. M. J. Udy. 2,381,565; Aug. 7.
Chuck attachment. C. P. Stewart. 2,381,087; Aug. 7.
Chuck for drills, reamers, milling cutters, and like tools. C. H. Clare. 2,381,335; Aug. 7.
Chute, Fire escape. H. D. Elwood. 2,381,809; Aug. 7.
Circuit: *See*—
  Electric circuit.
Circuit breaker. H. Langstroth. 2,381,294; Aug. 7.
Circuit breaker. H. L. Peek and J. M. Cumming. 2,381,307; Aug. 7.
Circuit breaker control. R. O. Bonine. 2,381,254; Aug. 7.
Circuit controlling device. V. N. Reiff. 2,381,688; Aug. 7.
Circuit for inductive heating, Oscillator. J. A. Hutcheson. 2,381,057; Aug. 7.
Circuit interrupter. E. E. Arnold. 2,381,244; Aug. 7.
Circuit interrupter. E. H. Hall. 2,381,353; Aug. 7.
Clamp: *See*—
  Adjustable end hose clamp.
Clamp. M. L. Albrecht and J. G. Birn. 2,381,480; Aug. 7.
Clamp. E. E. Hagen and H. E. Muench. 2,381,349; Aug. 7.
Clamp. E. D. Paul. 2,380,990; Aug. 7.
Clamp for master sheets of printing machines. L. H. Morse. 2,381,461; Aug. 7.
Clamping device. H. Eastman. 2,381,340; Aug. 7.
Clamping mechanism, Work. C. L. Eksergian and J. H. Coombes. 2,381,657; Aug. 7.
Cleaner: *See*—
  Vacuum cleaner.
Climbing device, Safety. J. C. Cox. 2,381,114; Aug. 7.
Closing for garments. J. Lane. 2,381,601; Aug. 7.
Closure. P. G. Coleman. 2,381,207; Aug. 7.
Clutch: *See*—
  Centrifugal clutch.
Clutch and brake assembly. H. M. Stueland. 2,381,318; Aug. 7.
Coating compositions, Producing rapid drying. F. E. Drummond. 2,381,653; Aug. 7.
Coating machine. R. C. Lang. 2,381,502; Aug. 7.
Coffee and tea maker. P. E Wolcott 2,381,151; Aug. 7.
Coffee or the like, Roasting. W. R. Goldfine. 2,381,493; Aug. 7.
Coil, Inductive. H. G. Frostick and E. M. Sollie. 2,381,274; Aug. 7.
Coil winding apparatus. W. P. Hunsdorf. 2,381,750; Aug. 7.
Comb attachment for hair clippers. A. Giorgi. 2,381,046; Aug. 7.
Combined coat and skirt hanger. E. Hall. 2,381,159; Aug. 7.
Combustion engine. A. Schröder. 2,381,465; Aug. 7.
Communication system. F. Massa. 2,381,174; Aug. 7.
Compass, Gyro-magnetic. M. F. Bates. 2,380,932; Aug. 7.
Compensator, Altitude. W. A. Marshall, Jr. 2,381,358; Aug. 7.
Composition for cleaning metal such as aluminum and magnesium. J. F. Hart. 2,381,124; Aug. 7.
Composition of matter. W. E. Tann. 2,381,388; Aug. 7.
Condensation products and preparing and using same. E. Lieber and M. E. Thorner. 2,381,457; Aug. 7.
Condensation products of triazines and substitute triazines with alkylene oxides. W. P. Ericks. 2,381,121; Aug. 7.
Connecting means for conveyer troughs. E. R. Bergmann. 2,381,252; Aug. 7.
Connection. R. M. Smith and B. C. Webster. 2,381,315; Aug. 7.
Connection for use with spark plugs, Elbow. B. W. Hulfish. 2,381,595; Aug. 7.
Connector: *See*—
  Flight and link connector. Terminal connector.
Contact masses. W. I. Patnode. 2,380,997; Aug. 7.
Contactor, Solenoid. M. G. Nelsen. 2,381,075; Aug. 7.
Container: *See*—
  Reinforced container. Shipping container.
Container. R. E. Lowey. 2,381,067; Aug. 7.
Containers, Constructing M. O. Kuhn. 2,381,385; Aug. 7.
Containers, Making. M. O. Kuhn. 2,381,386; Aug. 7.
Control apparatus, Burner. O. W. Hahn. 2,381,215; Aug. 7.
Control device. H. C. May. 2,381,222; Aug. 7.
Control device. C. K. Strobel. 2,381,784; Aug. 7.
Control for fluid operated motors. C. J. Kopp. 2,380,973; Aug. 7.
Control for fluid operated pistons, Automatic. C. J. Kopp. 2,380,975; Aug. 7.
Control for heating systems, Automatic. W. F. Miller. 2,381,223; Aug. 7.
Control for let-off mechanism of looms, Automatic tension. Y. H. Kurkjian. 2,381,670; Aug. 7.
Control means for draft regulators. M. W. Crew and G. A. Short. 2,381,437; Aug. 7.
Control mechanism for honing machines. H. J. Caldwell. 2,381,572; Aug. 7.
Control of electric switches. T. R. Coggeshall. 2,381,336; Aug. 7.
Control or indicator, Automatic. C. J. Kopp. 2,380,972; Aug. 7.

Control system, Synchronizing. W. A. Derr. 2,381,264; Aug. 7.
Controlling means for gyro instruments. R. S. Curry, Jr. 2,381,438; Aug. 7.
Conveyer for automotive vehicles. F. W. Stevenson. 2,381,783; Aug. 7.
Conveyer, Forced draft. C. C. McConkle. 2,381,762; Aug. 7.
Conveyer mechanism. R. M. Rogers and A. M. Walker. 2,381,185; Aug. 7.
Cooler: *See*—
Water and oil cooler.
Cooling arrangement for internal-combustion engines. W. Seyerle. 2,381,007; Aug. 7.
Cooling means for dynamoelectric machines. C. J. Fechheimer 2,381,122; Aug. 7.
Cooling system for fuel injection nozzles. A. T. Bremser. 2,381,804; Aug. 7.
Core drilling apparatus, Pressure. J. C. Stokes. 2,381,845; Aug. 7.
Core taking apparatus. J. C. Stokes. 2,381,844; Aug. 7.
Cork substitute, Making. L. A. Riefenstahl. 2,381,774; Aug. 7.
Cotton's patent and other straight bar knitting machines. W. G. Macdonald and W. A. Cooper. 2,381,072; Aug. 7.
Coupling: *See*—
Fluid coupling. Tube coupling.
Rotary shaft coupling.
Coupling. A. G. Herreshoff and J. P. Butterfield. 2,381,745; Aug. 7.
Coupling, equipment, Car. E. A. Larsson. 2,381,603; Aug. 7.
Cowl for oil burning smoke screen devices. J. Tweeddale. 2,381,374; Aug. 7.
Crab meat and preserving, Preserved. H. F. Webb. 2,381,019; Aug. 7.
Cracking in re-forming of hydrocarbons, Inhibiting. R. E. Burk. 2,380,938; Aug. 7.
Crane, Revolving. N. M. Erdahl. 2,381,731; Aug. 7.
Crib and bassinet, Combined baby. D. C. Lanese. 2,381,759; Aug. 7.
Crusher. J. T. Fowler. 2,381,661; Aug. 7.
Currents for nonsignaling purposes, Generating. C. W. Hansell. 2,381,496; Aug. 7.
Cutter: *See*—
Side milling cutter. Staple fiber cutter.
Cutting tool. G. S. Chapman. 2,381,485; Aug. 7.
Cyanides, Making alkali metal. W. H. Hill. 2,381,285; Aug. 7.
Cyclic organosilicon compounds. W. I. Patnode and R. W. Schiessler. 2,381,002; Aug. 7.
Decelerometer, Electric. P. L. Crittenden. 2,381,211; Aug. 7.
Defroster, Windshield. M. Mayer. 2,381,767; Aug. 7.
Dehydrator. G. A. Larson. 2,381,354; Aug. 7.
Delivery mechanism, Sheet. F. R. Belluche. 2,381,430; Aug. 7.
Dental floss. A. A. Stonehill. 2,381,142; Aug. 7.
Derivatives of acylated polyamines and making same, Certain subresinous esterification. M. De Groote and B. Keiser. 2,381,576; Aug. 7.
Derivatives of hydroxylated amides and making same, Subresinous esterification. M. De Groote and B. Keiser. 2,381,577; Aug. 7.
Derrick. A. Cibulka. 2,381,647; Aug. 7.
Detecting device, Wheel-slip. G. K. Newell. 2,381,225; Aug. 7.
Device for determining the volume of gas or liquid in receptacles. T. Helleberg and S. Malmstrom. 2,381,821; Aug. 7.
Device for magnetic control of a discharge. H. M. Strobel. 2,381,317; Aug. 7.
Device for making rosettelike articles. H. Cottrell. 2,381,337; Aug. 7.
Device for regulating pressure in machine rollers. G. Babicz. 2,381,712; Aug. 7.
Diaphragm valve. G. H. Berkholder. 2,381,799; Aug. 7.
Diaphragm valve. O. Jacobsen. 2,381,544; Aug. 7.
Die equalizer, Multiple. E. H. Fischer. 2,381,272; Aug. 7.
Digger, Ditch. A. B. Roehr. 2,381,689; Aug. 7.
Diolefins, Concentrating. R. F. Robey and M. W. Swaney. 2,381,311; Aug. 7.
Dispenser: *See*—
Roll paper dispenser.
Dispensing apparatus, Liquid. J. A. Merrill. 2,381,304; Aug. 7.
Dispensing machine, Bottle. G. H. Nitschman. 2,381,179; Aug. 7.
Display head. L. L. Greneker. 2,381,663; Aug. 7.
Door fixture, Cabinet. A. Marchand. 2,381,132; Aug. 7.
Doors for dwellings, Combination outer. O. A. Hinton and L. De Stramp. 2,381,666; Aug. 7.
Drain structure. P. E. Knudsen and L. G. Diera. 2,381,500; Aug. 7.
Drawing mechanism for spinning and roving frames. J. Rabasa. 2,381,856; Aug. 7.
Dressing mechanism. E. Wildhaber. 2,381,150; Aug. 7.
Drill bit. E. B. Williams, Jr. 2,381,415; Aug. 7.
Drilling machine. Mult. e. I. F. Churchill. 2,381,039; Aug. 7.
Drive for oscillating grinders. R. S. Pyne and E. A. Allen. 2,381,687; Aug. 7.
Drive mechanism, Damped. A. M. Wahl. 2,381,325; Aug. 7.
Drive unit, Locomotive. W. A. Brecht and F. L. Alben. 2,381,255; Aug. 7.
Driving arrangement for thread guides particularly for cop winding machines. A. Brugger. 2,381,570; Aug. 7.
Droppable fuel tank. F. A. Weber and H. H. Gregg. 2,381,402; Aug. 7.
Dry chemical feeder. G. M. Booth and J. S. Ballard. 2,381,802; Aug. 7.
Dumper, Car. R. W. Crist. 2,381,723; Aug. 7.
Duplicating form, Screen type transfer agent. J. R. Kendig. 2,381,170; Aug. 7.
Dynamoelectric machine and ventilating system therefor, Direct-current. C. Lynn. 2,381,296; Aug. 7.
Earth fault protection arrangement. J. Jonas. 2,381,668; Aug. 7.
Egg grading machine. J. S. Campbell, W. Brown, and G. A. Douglas. 2,381,035; Aug. 7.
Electric circuit. S. Minneci. 2,381,768; Aug. 7.
Electric circuits. J. C. Frommer. 2,381,155; Aug. 7.
Electric drive and control system, Generating. T. O. Lillquist. 2,381,827; Aug. 7.
Electric engine control apparatus. C. L. Baumann, Jr. 2,381,250; Aug. 7.
Electric operating means for circuit breakers. J. W. May. 2,381,302; Aug. 7.
Electric switch. H. C. Bolley and E. E. Johnson. 2,380,933; Aug. 7.
Electric switch. H. L. Van Valkenburg. 2,381,848; Aug. 7.
Electric torch which floats lamp uppermost in water. C. W. Saunders. 2,381,520; Aug. 7.
Electric traction-motor. R. H. Wagner and E. O. Mueller. 2,381,324; Aug. 7.
Electrical apparatus. H. O. Stephens. 2,381,782; Aug. 7.
Electrical connection means. F. Beal. 2,380,916; Aug. 7.
Electrical dust-precipitator system and interchangeable parts therefor. E. H. R. Pegg and I. R. Cummings. 2,380,992; Aug. 7.
Electrical insulating material. C. G. Harford. 2,381,163; Aug. 7.
Electrical measuring instrument. D. A. Young and V. S. Thomander. 2,381,329; Aug. 7.
Electrical precipitation apparatus. C. W. Jacob. 2,381,455; Aug. 7.
Electrical relay system. E. L. Harder. 2,381,281; Aug. 7.
Electrical terminal. K. A. Brainard. 2,380,936; Aug. 7.
Electromagnetic apparatus. G. L. Tawney. 2,381,320; Aug. 7.
Electromagnetic device. H. Lehde. 2,381,673; Aug. 7.
Electron discharge device. R. V. L. Hartley. 2,381,539; Aug. 7.
Electron discharge device. W. W. Watrous, Jr. 2,381,632; Aug. 7.
Electron discharge device, Secondary. P. W. Stutsman. 2,381,012; Aug. 7.
Electronic commutation of currents. D. Mitchell. 2,380,982; Aug. 7.
Electronic motor control. M. G. Crosby. 2,380,948; Aug. 7.
Electronic tube. W. W. Eitel and J. McCullough. 2,381,490; Aug. 7.
Electroresponsive indicator. C. C. Whittaker. 2,381,326; Aug. 7.
Electrostatic charging structure. E. W. Yungman. 2,380,993; Aug. 7.
Elevating scraper. G. W. Mork. 2,380,986; Aug. 7.
Elevator for trucks, Convertible. G. Simons. 2,381,780; Aug. 7.
Engine: *See*—
Combustion engine.
Internal-combustion engine. Two-cycle engine.
Piston for two-stroke internal-combustion engine.
Engine lubricating system. C. D. Salisbury. 2,381,839; Aug. 7.
Engine operated burner. H. B. Holthouse. 2,381,594; Aug. 7.
Equipment for shipbuilding. F. R. Harris. 2,381,446; Aug. 7.
Erection device for gyro verticals. L. F. Carter. 2,380,941; Aug. 7.
Ester-linked acylated aminoalcohols and making same. M. De Groote and B. Keiser. 2,381,575; Aug. 7.
Ester, Plasticized cellulose. I. E. Muskat and F. Strain. 2,381,511; Aug. 7.
Esterification derivatives of high molal hydroxy acid amides and making same, Certain subresinous. M. De Groote and B. Keiser. 2,381,116; Aug. 7.
Esters of endoethylene hydroxycyclopentanoindane and their preparation. H. A. Bruson. 2,381,433; Aug. 7.
Esters of inorganic acids and making same. K. Miescher and C. Meystre. 2,381,073; Aug. 7.
Evaporator. F. D. Peltier. 2,381,686; Aug. 7.
Excavator. E. R. Snyder. 2,381,085; Aug. 7.
Fabric: *See*—
Pile fabric.
Fabric and making, Reinforced textile. G. K. Ripley. 2,381,184; Aug. 7.
Fairings, Airplane. T. P. Hall. 2,381,350; Aug. 7.
Fan construction. W. R. Bonham. 2,381,567; Aug. 7.

Farm implement. A. and C. Schultz. 2,381,005; Aug. 7.
Fastener: *See*—
Releasing end stop slide fastener. Resilient rail fastener.
Fastener construction. J. M. Summers. 2,381,233; Aug. 7.
Fastening device. J. T. Glekler. 2,381,047; Aug. 7.
Fastening device. G. A. Tinnerman. 2,381,144; Aug. 7.
Faucet, Sterile drawoff. F. A. Blashfield. 2,381,031; Aug. 7.
Feed control, Liquid fuel. T. J. Stephens. 2,381,372; Aug. 7.
Feeder: *See*—
Dry chemical feeder.
Feeder for die presses. E. E. Buchan. 2,381,571; Aug. 7.
Fence, Single-row scour prevention. T. M. Joyce and P. L. Fite. 2,381,290; Aug. 7.
Ferromagnetic material, Manufacture of. D. A. Oliver. 2,381,363; Aug. 7.
Filamentary material, Method and apparatus for handling. A. Bruenner. 2,381,643; Aug. 7.
Filleting machine, Fish. C. M. Savrda. 2,381,560; Aug. 7.
Film, Composite therapeutic. F. C. Schmelkes and F. J. G. de Leeuw. 2,381,621; Aug. 7.
Filter. C. E. Hunziker. 2,381,453; Aug. 7.
Filter. L. L. Thompson. 2,381,627; Aug. 7.
Filter. C. G. Vokes. 2,381,705; Aug. 7.
Filter for coffee making, Strainer. F. J. Burnham. 2,381,104; Aug. 7.
Filtering means. J. J. Naugle. 2,381,462; Aug. 7.
Firearm, Electrical. F. F. Leininger. 2,381,547; Aug. 7.
Fire escape apparatus. H. D. Elwood. 2,381,811; Aug. 7.
Fire escape apparatus for aerial ladder trucks. H. D. Elwood. 2,381,812; Aug. 7.
Fire escape chute support. H. D. Elwood. 2,381,810; Aug. 7.
Fire extinguishing apparatus. F. J. Lee. 2,381,606; Aug. 7.
Fire extinguishing unit. J. L. Hull and F. J. Lee. 2,381,749; Aug. 7.
Fire-retardant and water-repellent finishes, Formation of. A. A. Cook and E. B. Whitworth. 2,381,487; Aug. 7.
Fish lure. M. J. Haberkorn. 2,381,279; Aug. 7.
Fish lure. C. T. Spear. 2,381,231; Aug. 7.
Fishing bait, Artificial. R. J. Baldesberger. 2,381,099; Aug. 7.
Fitting, Compression. C. A. Norgren. 2,381,554; Aug. 7.
Fixture, Lens spacing. C. E. Bahn. 2,381,098; Aug. 7.
Flare, Antiaircraft. M. J. E. Golay. 2,381,443; Aug. 7.
Flashlight, Portable. B. F. Muldoon. 2,381,510; Aug. 7.
Flexible adapter. L. B. Boyd. 2,381,102; Aug. 7.
Flexible exhaust line joint. L. B. Allen and W. C. Heath. 2,381,426; Aug. 7.
Flight and link connector. J. D. Russell. 2,381,519; Aug. 7.
Float control. O. Thiel. 2,381,626; Aug. 7.
Fluid control valve. M. T. Knutzen. 2,381,501; Aug. 7.
Fluid control valve. C. J. Kopp. 2,380,974; Aug. 7.
Fluid coupling. J. F. Swift. 2,381,187; Aug. 7.
Fluid hydrocarbons are contacted and mixed with acidic fluid in a confined zone, Process wherein. L. C. Huff. 2,381,168; Aug. 7.
Fluid pressure operated valve. E. E. Hedene. 2,381,447; Aug. 7.
Fluid pressure system, Ratio changing. S. Schnell. 2,381,004; Aug. 7.
Fluid pump control. R. J. Bush. 2,381,203; Aug. 7.
Focusing attachment for cameras. C. B. Schmidt. 2,381,228; Aug. 7.
Foil mechanism, Carry. J. A. V. Turck. 2,381,788; Aug. 7.
Foot corrective attachment for shoes. E. F. Thomas. 2,381,846; Aug. 7.
Form for concrete wall construction, Removable. J. T. Mitchell. 2,381,613; Aug. 7.
Foundation and forming same. J. H. Thornley. 2,381,014; Aug. 7.
Frame: *See*—
Heddle frame.
Freezer chamber and evaporator. L. A. M. Phelan. 2,381,617; Aug. 7.
Friction absorbing device. R. B. Cottrell. 2,381,404; Aug. 7.
Friction retarding mechanism for vehicle suspension. R. W. Brown. 2,381,378; Aug. 7.
Fuel feeding mechanism, Liquid. R. W. Johnson and C. E. Zarwell. 2,381,756; Aug. 7.
Fuel injection pump. E. C. Gambrell. 2,381,585; Aug. 7.
Fuel injection pump. R. E. Peterson. 2,381,555; Aug. 7.
Fuel pump. I. E. Coffey. 2,381,259; Aug. 7.
Fuel supplying apparatus. J. W. Fyksen. 2,380,961; Aug. 7.
Fuel tank. F. W. Stavely, K. L. Edgar, and S. W. Hoffmann. 2,381,400; Aug. 7.
Furnace: *See*—
Heating furnace.
Submerged resistor type indicator furnace.
Garment. M. A. Einbinder. 2,381,580; Aug. 7.
Garment. H. J. Leon. 2,381,295; Aug. 7.
Garment, Foundation. H. J. Dubner. 2,381,442; Aug. 7.
Garment hanger. A. G. Wahl. 2,381,629; Aug. 7.
Gas producer. A. E. Blake. 2,381,200; Aug. 7.
Gasket material. R. C. Bascom. 2,381,248; Aug. 7.
Gate valve. L. J. Bordo. 2,381,431; Aug. 7.
Gathering and loading machine. F. Cartlidge. 2,381,108–9; Aug. 7.
Gauge: *See*—
Rain gauge.
Gauge for tubular joints, Conformator. G. H. Bugenhagen. 2,380,919; Aug. 7.
Gauges, Guiding. J. T. Emmerton. 2,381,491; Aug. 7.
Gear: *See*—
Power transmission gear. Vehicle landing gear.
Gear-shifting mechanism. T. F. Rainsford. 2,381,773; Aug. 7.
Generating device, Spherical surface. A. J. Holman. 2,381,449; Aug. 7.
Generating system, Frequency changing signal. S. Frankel. 2,380,959; Aug. 7.
Generator: *See*—
Portable oxygen-acetylene generator.
Generator connection, Synchronous motor. H. A. Strickland, Jr. 2,381,373; Aug. 7.
Generator unit, Gas. C. E. Peck. 2,381,306; Aug. 7.
Girdle. C. Stone. 2,381,232; Aug. 7.
Glazing unit and mounting therefor, Multiple. G. B. Watkins. 2,381,194; Aug. 7.
Glycerin, Purification of. H. E. Hoyt. 2,381,055; Aug. 7.
Glycerol fermentation process. H. M. Hodge. 2,381,052; Aug. 7.
Golf club, Adjustable head. T. Bancroft. 2,381,636; Aug. 7.
Governor adjusting mechanism. H. M. Greenman. 2,380,963; Aug. 7.
Governor and ignition system for internal-combustion engines, Combination. M. Mallory. 2,381,611; Aug. 7.
Governor, Engine. M. Mallory. 2,381,550; Aug. 7.
Governor for internal-combustion engines. M. Mallory. 2,381,131; Aug. 7.
Grain shape control in killed deep drawing materials. R. S. Burns and A. S. McCabe. 2,381,435; Aug. 7.
Granulating and cutting machine. F. M. Roddy. 2,381,775; Aug. 7.
Grass drying apparatus. J. E. Newman. 2,381,076; Aug. 7.
Grate-supporting structure. C. A. Sleicher. 2,381,781; Aug. 7.
Greases from grease bases, Manufacture of. W. H. Shields. 2,381,314; Aug. 7.
Grill. A. L. Greenlaw. 2,381,345; Aug. 7.
Grinding machine. W. M. Bura. 2,381,034; Aug. 7.
Grinding machine. C. G. Flygare. 2,381,123; Aug. 7.
Grinding mills, Feeding material to. H. Hardinge. 2,381,351; Aug. 7.
Grinding surfaces for charge containers, Making. H. H. Wolff. 2,381,413; Aug. 7.
Guard, Rodent. J. F. Bowman. 2,381,569; Aug. 7.
Guide, Aviation control. R. W. Brown. 2,381,391; Aug. 7.
Guide for the transmission of electric waves. J. C. Quayle. 2,381,367; Aug. 7.
Gun aligning device. W. S. Spigelsky. 2,381,010; Aug. 7.
Gun perforator. M. Schlumberger. 2,381,081; Aug. 7.
Gun stabilizing apparatus. L. B. Lynn. 2,381,161; Aug. 7.
Gyratory and other motions to flexible tubular members, Imparting. B. Forman. 2,381,213; Aug. 7.
HCN and catalyst therefor, Synthesis of. H. D. Green. 2,381,344; Aug. 7.
Halides, Organosilicon. M. M. Sprung and W. F. Gilliam. 2,380,998; Aug. 7.
Halides, Preparation of organosilicon. E. G. Rochow. 2,380,995; Aug. 7.
Halides, Preparation of organo-silicon. E. G. Rochow and W. I. Patnode. 2,380,996; Aug. 7.
Halides, Preparation of organosilicon. M. M. Sprung and W. F. Gilliam. 2,380,999; Aug. 7.
Halogenated organosilicon compounds. W. I. Patnode and R. W. Schiessler. 2,381,000; Aug. 7.
Hand brake. R. J. Olander. 2,381,135; Aug. 7.
Handwheel for lawn hose couplings. S. I. Iverson. 2,381,498; Aug. 7.
Handling mechanism, Work. C. L. Eksergian and J. H. Coombes. 2,381,656; Aug. 7.
Hanger: *See*—
Bucket hanger. Garment hanger.
Combined coat and skirt hanger.
Hardboard, Making thick. A. Elmendorf and M. Lieff. 2,381,269; Aug. 7.
Harness, Ski. D. A. Wallace. 2,381,793; Aug. 7.
Headgear, Protective. W. I. Taylor. 2,381,524; Aug. 7.
Heat exchange device. N. A. Scott, Jr. 2,381,006; Aug. 7.
Heating furnace. J. Cafagno. 2,381,106; Aug. 7.
Heddle frame. G. R. Plott. 2,381,308; Aug. 7.
Height-measuring device. P. E. Attick. 2,381,428; Aug. 7.
Helicopter. E. Adams. 2,381,417; Aug. 7.
Hitch device. J. I. Cantral. 2,381,258; Aug. 7.
Hitch, Trailer. H. F. Schultz. 2,381,841; Aug. 7.
Hold-down device. J. H. Filburn. 2,381,815; Aug. 7.

Holder: *See*—
Nursing bottle holder.
Sanitary dental floss holder. X-ray film holder.
Holder and arranger, Flower. H. L. Bierwert. 2,381,253; Aug. 7.
Holder for metal pipes and bars and the like, Welding. L. W. Fulleton. 2,381,584; Aug. 7.
Hood caps, Method and apparatus for making. K. R. Allen. 2,381,851; Aug. 7.
Hook: *See*—
Cargo sling hook.
Hopper, Portable. F. Briner. 2,381,103; Aug. 7.
Hose, Making inflatable. J. A. Muller and L. Cranston. 2,381,074; Aug. 7.
Hub structure. F. B. Shepard. 2,381,697; Aug. 7.
Hydraulic control mechanism. W. P. Willett. 2,381,795; Aug. 7.
Hydraulic safety valve. R. H. Blank. 2,381,484; Aug. 7.
Hydraulic system for stabilizers. F. W. Taylor. 2,381,162; Aug. 7.
Hydrocarbon conversion. E. L. d'Ouville and B. L. Evering. 2,381,439; Aug. 7.
Hydrocarbon conversion. H. O. Folkins and C. M. Thacker. 2,380,958; Aug. 7.
Hydrocarbon conversion process. W. A. Schulze and J. A. Guyer. 2,381,466; Aug. 7.
Hydrocarbon conversion process. M. M. Stewart. 2,381,522; Aug. 7.
Hydrocarbon conversions and catalysts therefor. J. A. Anderson. 2,381,481; Aug. 7.
Hydrocarbon fractions, Treating. J. R. Callaway. 2,381,256; Aug. 7.
Hydrocarbon oil, Decolorizing. W. A. La Lande, Jr. 2,381,293; Aug. 7.
Hydrocarbons, Conversion of. C. B. Linn and V. N. Ipatieff. 2,381,828; Aug. 7.
Hydrocarbons, Dehydrogenation of. W. A. Schulze and J. C. Hillyer. 2,381,691–3; Aug. 7.
Hydrocarbons, Isomerization of paraffin. M. M. Stewart. 2,381,562; Aug. 7.
Hydrocarbons, Solvent extraction. A. L. Wilson. 2,381,092; Aug. 7.
Hydrogen-nitrogen mixtures, Production of. J. H. Shapleigh. 2,381,696; Aug. 7.
Hygrometer. L. McCulloch. 2,381,299; Aug. 7.
Ignition system for internal-combustion engines. M. Mallory. 2,381,610; Aug. 7.
Ignition timing. H. T. Jarvis. 2,380,967; Aug. 7.
Ignition timing control means for internal-combustion engines. M. Mallory. 2,381,612; Aug. 7.
Implement, Agricultural. C. W. Mott. 2,381,552; Aug. 7.
Indicating device responsive to a condition. C. Levy-Savoye. 2,381,826; Aug. 7.
Indicating system particularly for the measure of angles. J. Ahier and R. Hardy. 2,380,929; Aug. 7.
Indicator: *See*—
Electroresponsive indicator. Pitot static air speed indicator.
Indicator drive for reciprocating engines. K. Froehlich. 2,381,273; Aug. 7.
Indicia and method of applying. R. J. Leander. 2,381,605; Aug. 7.
Induction heating coil. R. M. Baker, H. G. Frostick and C. C. Whittaker. 2,381,246; Aug. 7.
Inductive device. H. J. McCreary. 2,381,763; Aug. 7.
Inductor apparatus. H. A. Strickland, Jr. 2,381,143; Aug. 7.
Initiator, Polymerization. W. D. Stewart. 2,381,702; Aug. 7.
Injector. R. H. Hanlon and F. B. Farnsworth. 2,381,216; Aug. 7.
Injector, Fuel. F. Buck. 2,381,423; Aug. 7.
Injector-timer for internal-combustion engines. E. Silber. 2,381,623; Aug. 7.
Ink, Printing. C. E. Irion. 2,381,753; Aug. 7.
Insect repellent. S. D. Shinkle. 2,381,082; Aug. 7.
Insecticide compound and dispensing an insecticide. F. L. Campbell and W. C. Fernelius. 2,381,257; Aug. 7.
Instrument, Indicating. C. R. Gulbransen. 2,381,494; Aug. 7.
Instrument sharpener, Dental. J. T. Mudler. 2,380,988; Aug. 7.
Insulated electric conductor. A. O. Ryan. 2,381,003; Aug. 7.
Insulation material made from fibrous substances, Thermal. W. Garner. 2,381,214; Aug. 7.
Insulator. M. D. Mathews. 2,381,676; Aug. 7.
Interferometer. G. L. Dimmick. 2,381,728; Aug. 7.
Interlock, Mechanical. G. C. Armstrong. 2,381,243; Aug. 7.
Internal-combustion engine. A. P. Mansoff. 2,381,832; Aug. 7.
Iron and iron alloy powders. J. Wulff. 2,381,022; Aug. 7.
Iron powder and process, High density compressible. J. E. Drapeau, Jr. 2,381,440; Aug. 7.
Iron powder from cheap source material, Producing. J. Wulff. 2,381,024; Aug. 7.
Isomerization. R. E. Burk and H. P. Lankelma. 2,381,434; Aug. 7.
Isoprene from hydrocarbon mixtures comprising same and piperylene, Recovery of. S. C. Stowe. 2,381,409; Aug. 7.

Jack: *See*—
Vehicle jack.
Joint: *See*—
Flexible exhaust line joint. Universal joint.
Joint construction. S. M. Bratton. 2,381,432; Aug. 7.
Joints, Forming. E. E. Howe. 2,381,748; Aug. 7.
Journal bearing. E. O. Pearson. 2,381,513; Aug. 7.
Key sender, Relay type. W. T. Powell. 2,381,516; Aug. 7.
Knitting machine. I. H. C. Green and E. St. Pierre. 2,381,275; Aug. 7.
Knitting machine, Circular. T. C. Bromley and A. Shortland. 2,381,641; Aug. 7.
Ladder. V. M. Fowler. 2,381,154; Aug. 7.
Ladder construction. H. H. Gumz. 2,381,348; Aug. 7.
Ladder, Convertible. A. A. Thompson. 2,381,525; Aug. 7.
Lamp tube changer. A. O. Switzer. 2,381,563; Aug. 7.
Lasting machine. W. T. B. Roberts. 2,381,518; Aug. 7.
Lathe, Screw-cutting. S. H. Varndell. 2,381,849; Aug. 7.
Lathe, Sensitive precision. C. A. Bickel. 2,381,422; Aug. 7.
Laundry machine. J. R. Kirby. 2,381,545; Aug. 7.
Lawn chair. H. H. Wenneborg. 2,381,149; Aug. 7.
Lay motion for looms. R. J. Bartholomew. 2,381,028; Aug. 7.
Lens chuck. W. P. Canning. 2,381,573; Aug. 7.
Lever. H. M. Roeser. 2,381,412; Aug. 7.
Life, Ground working tool. A. W. Hall. 2,381,588; Aug. 7.
Lift, Hydraulic. C. V. Hansen. 2,381,664; Aug. 7.
Lifting apparatus, Bobbin. C. M. Asbill, Jr. 2,381,482; Aug. 7.
Lighter for cigarettes and the like. L. K. Davis. 2,381,726; Aug. 7.
Lighter, Oven burner. E. F. Dupuis. 2,381,152; Aug. 7.
Lighting fixture. G. P. Wakefield. 2,381,630; Aug. 7.
Lighting system. K. L. Jones. 2,381,169; Aug. 7.
Line-up platen. J. Zalkind. 2,381,197; Aug. 7.
Liquid-ejecting apparatus. F. J. Lee. 2,381,607; Aug. 7.
Liquid sealed pump. H. E. La Bour. 2,381,823; Aug. 7.
Liquid, Supplying clarified. A. Latham, Jr. 2,381,760; Aug. 7.
Liquid trap. R. Poole. 2,381,837; Aug. 7.
Loader, Mine car. D. W. Poston. 2,381,515; Aug. 7.
Lock: *See*—
Automatic fish lock. Bead lock.
Lock and fastening device. L. W. Young. 2,381,633; Aug. 7.
Lock for airplane doors or the like. S. Oxhandler. 2,381,512; Aug. 7.
Lock mechanism, Adjustable cylinder. S. Oxhandler. 2,381,136; Aug. 7.
Locking device for folding chairs. W. E. Clarin. 2,381,574; Aug. 7.
Lubricants, Production of. H. M. Fraser. 2,380,960; Aug. 7.
Lubricating composition. L. C. Kemp, Jr. 2,381,127; Aug. 7.
Lubricating device for sewing machines. F. Parry. 2,381,685; Aug. 7.
Lubricating means, Bearing. A. H. Morey. 2,380,985; Aug. 7.
Lubricating system for internal-combustion engines, Valve. C. T. Doman. 2,381,339; Aug. 7.
Machine for filling products into containers. C. A. Huth. 2,381,454; Aug. 7.
Machine for forming and reinforcing cutouts. F. S. Glines. 2,381,818; Aug. 7.
Machine for manufacturing molded pulp articles. M. P. Chaplin. 2,380,942; Aug. 7.
Machine for shelling rice and other grains. E. P. Miller. 2,381,507; Aug. 7.
Machine tool control apparatus. R. Rodal. 2,381,312; Aug. 7.
Magazine, Film. J. Bolsey. 2,381,033; Aug. 7.
Magnesian ores and minerals, Treating. G. C. Holmes. 2,381,053; Aug. 7.
Magnesium from vapor mixtures, Recovery of. D. S. Chisholm. 2,381,403; Aug. 7.
Magnesium, Recovery of. T. Griswold, Jr. 2,381,405; Aug. 7.
Magnetic pickup device. J. C. Adams. 2,381,097; Aug. 7.
Mandrel, Permanent wave. A. A. Calabro. 2,381,107; Aug. 7.
Marking device, Trousers. F. W. Trumbull. 2,381,191; Aug. 7.
Mask, Gas. L. Y Booharin. 2,381,568; Aug. 7.
Mask, Photographic printing. C. C. Maddy. 2,381,831; Aug. 7.
Mason's implement. N. C. and C. A. Darling. 2,381,263; Aug. 7.
Matte surfaces upon glass, Providing. F. W. Adams. 2,381,479; Aug. 7.
Measuring instrument. J. B. Wilkie. 2,381,414; Aug. 7.
Mechanical movement. A. R. Clark. 2,381,112; Aug. 7.
Mechanism for cooling freshly coated containers. C. Z. Monroe. 2,381,360; Aug. 7.
Mechanism for grid panels, Transfer. C. L. Feldtkeller. 2,380,957; Aug. 7.
Mechanism for grid panels, Transfer. C. L. Feldtkeller. 2,381,153; Aug. 7.
Medicinal preparation. M. J. Lobel. 2,381,830; Aug. 7.
Metal articles, Producing protected. J. M. Schoonmaker, Jr., and F. Stockton. 2,381, 778; Aug. 7.

Metal boring tool. M. A. Clark. 2,381,806; Aug. 7.
Metal, Cutting. G. W. Laughton, Jr. 2,381,355; Aug. 7.
Metals recovery apparatus. R. O. Gray. 2,381,157; Aug. 7.
Milk products, Preparation of concentrated fluid. P. T. Lemmel and H. P. Fell. 2,381,761; Aug. 7.
Mineral Oil. H. S. Angel, E. W. Fuller, and H. G. Berger. 2,381,377; Aug. 7.
Modulator and control means, Wave length. M. G. Crosby. 2,380,947; Aug. 7.
Mold: *See*—
Refractory mold. Vulcanizing mold.
Mold chill. M. E. Gantz. 2,381,734–5; Aug. 7.
Motor control system. E. U. Lassen and J. M. Newman. 2,381,604; Aug. 7.
Mounting: *See*—
Ophthalmic mounting. Punch and die mounting.
Muffle. H. H. Harris. 2,381,538; Aug. 7.
Musical game board. M. Gudkov. 2,381,347; Aug. 7.
Myosmine, Preparation of. C. F. Woodward, A. Eisner, and P. G. Haines. 2,381,328; Aug. 7.
N-phosphono-phosphatoalkyl cyclic amines. J. G. McNally and J. B. Dickey. 2,381,071; Aug. 7.
Nail machine, Duplex head. R. A. Little and J. A. Rice. 2,381,171; Aug. 7.
Navigation instrument. L. Burgess. 2,380,937; Aug. 7.
Network, Adjustable. F. E. Fischer. 2,381,733; Aug. 7.
Nitro amines and preparing same. M. Senkus. 2,381,408; Aug. 7.
Nursing bottle holder. J. W. Boate. 2,381,201; Aug. 7.
Nut and nut plate, Lock. C. C. Misfeldt. 2,381,176; Aug. 7.
Nut cracking device. K. M. Jones. 2,381,288; Aug. 7.
Nut, Lock. E. F. Chandler. 2,381,110; Aug. 7.
Nut, Lock. H. F. Clayson. 2,381,206; Aug. 7.
Nut or bolt, Self-locking. E. W. Pummill. 2,380,994; Aug. 7.
Nut, Self-locking. E. F. Chandler. 2,381,111; Aug. 7.
Nut, Self-locking. J. R. Hotchkin. 2,381,352; Aug. 7.
Ocular tube. W. Bausch. 2,381,101; Aug. 7.
Offsetting mechanism. A. B. Cadman. 2,381,105; Aug. 7.
Oil burner. D. C. Breault. 2,381,803; Aug. 7.
Oil vehicle and process therefor, Floor covering drying. S. A. Cohen, C. D. Thurmond, and L. S. Read. 2,381,486; Aug. 7.
Oils, Conversion of hydrocarbon. A. V. Grosse and W. J. Mattox. 2,381,820; Aug. 7.
Oils, Recovery of essential. J. A. Finley. 2,381,732; Aug. 7.
Ophthalmic instrument. R. D. Keller. 2,381,126; Aug. 7.
Ophthalmic mounting. E. M. Splaine. 2,381,011; Aug. 7.
Ores, Concentration of. A. M. Gaudin. 2,381,662; Aug. 7.
Organic compounds containing nitrogen, Production of. F. A. Apgar and J. W. Teter. 2,381,709; Aug. 7.
Organic compounds containing nitrogen, Production of. J. W. Teter. 2,381,470–2; Aug. 7.
Organic compounds, Separation of. J. E. Bludworth and G. Flower, Jr. 2,381,032; Aug. 7.
Organo-dihalogenosiloxanes. W. I. Patnode. 2,381,366; Aug. 7.
Orthodontic bracket spring. J. E. Laskin. 2,381,128; Aug. 7.
Oscillator and mounting, Crystal. K. G. MacLean. 2,381,173; Aug. 7.
Oven for manufacturing continuous rubber articles. S. W. Alderfer. 2,381,387; Aug. 7.
Package, Measuring and dispensing. E. J. Biskamp. 2,381,800; Aug. 7.
Packaging. M. Bennett. 2,380,913; Aug. 7.
Packaging machine. A. W. Lindholm. 2,381,505; Aug. 7.
Packing, Method of and apparatus for. M. Weisman. 2,381,091; Aug. 7.
Paper elevating device for printing machines. G. Babicz. 2,381,713; Aug. 7.
Paper, Making. O. Kress, F. Zeitlin, and R. K. Staman. 2,381,600; Aug. 7.
Paper roll rack. F. Mellor. 2,381,303; Aug. 7.
Part for knitting machines. D. G. Scrantom. 2,381,370; Aug. 7.
Partition structure. G. W. Baker. 2,381,635; Aug. 7.
Perambulator, Folding. L. E. Little. 2,381,066; Aug. 7.
Perforating apparatus. G. F. Wales. 2,381,476; Aug. 7.
Pharmaceutical preparation and preparing the same, Stable packaged. V. Kitter. 2,380,970; Aug. 7.
Phenylenediamine derivatives, Preparing. H. Von Bramer and L. G. Davy. 2,381,015; Aug. 7.
Phonograph disk record cabinet. W. H. Price. 2,381,517; Aug. 7.
Phosphate ore materials, Settling of. D. S. Phelps. 2,381,514; Aug. 7.
Photographic emulsion. B. H. Carroll and J. Spence. 2,380,940; Aug. 7.
Photography. E. M. Symmes. 2,381,234; Aug. 7.
Pile fabric. E. J. Jacob. 2,381,218; Aug. 7.
Pipe bender. J. W. Lewin. 2,381,064; Aug. 7.
Pipe-cutting tool. J. B. Gill and T. L. Smith. 2,381,156; Aug. 7.
Piston expander. D. M. Smith. 2,381,699; Aug. 7.
Piston for two-stroke internal-combustion engine. H. Lieberherr. 2,381,065; Aug. 7.
Pitot static air speed indicator. K. L. Woodman and E. O. Morton. 2,381,327; Aug. 7.
Plastic composition. L. E. Cheyney. 2,380,926; Aug. 7.
Plastic composition, Treating. F. W. Hall. 2,381,495; Aug. 7.
Plastic sheet, Flexible. H. E. Kallmann. 2,381,061; Aug. 7.
Plasticized compositions. R. H. Barth and H. Burrell. 2,381,247; Aug. 7.
Plier, Wire twisting. J. T. Stinson. 2,381,703; Aug. 7.
Plow, Obstacle. A. J. Higgins, Jr. 2,381,665; Aug. 7.
Plug-in device and socket receptacle. H. H. Eby. 2,380,955; Aug. 7.
Plumb bob. G. Sirecl. 2,381,698; Aug. 7.
Polyhydroxy compounds, Catalyst and producing. L. A. Stengel and F. E. Maple. 2,381,316; Aug. 7.
Polymerization of olefins, Catalytic. G. C. Bailey and J. A. Reid. 2,381,198; Aug. 7.
Polymerization products, Vulcanizable. M. C. Throdahl. 2,381,526; Aug. 7.
Portable oxygen-acetylene generator. R. B. Swift. 2,381,319; Aug. 7.
Potato harvesting machine. L. L. Lundberg. 2,381,172; Aug. 7.
Pouches, Manufacturing. C. K. Billeb. 2,380,914; Aug. 7.
Poultry handling method. C. B. Franz. 2,381,044; Aug. 7.
Powder and making the same, Molding. R. A. Caughey. 2,381,205; Aug. 7.
Powder, Making extruded. C. E. Silk. 2,381,468; Aug. 7.
Power spraying machine. S. L. Dalton. 2,381,649; Aug. 7.
Power transmission gear. H. F. Hobbs. 2,381,593; Aug. 7.
Power transmission mechanism. A. D. Pentz. 2,381,772; Aug. 7.
Power transmitting apparatus. S. Mayner. 2,381,682; Aug. 7.
Preference relaying, Directional ground. S. L. Goldsborough. 2,381,277; Aug. 7.
Preparation of cooked starchy vegetables in powder form. T. Rendle. 2,381,838; Aug. 7.
Press: *See*—
Printing press.
Pressing machine for ends of boxes and covers. W. P. Osgood. 2,381,364; Aug. 7.
Pressure switch. C. V. Erickson. 2,381,582; Aug. 7.
Print handling device. L. P. Martinek. 2,381,765; Aug. 7.
Printing machine, Photographic. G. C. Garraway. 2,380,962; Aug. 7.
Printing plates, Preparing. B. F. Terry. 2,381,704; Aug. 7.
Printing press. E. W. Worthington. 2,381,093–4; Aug. 7.
Projection screen. R. Möller and E. Kosche. 2,381,614; Aug. 7.
Propulsion apparatus. J. T. Tucker. 2,381,235; Aug. 7.
Protection device against aerial and other bombardment. F. S. Scott. 2,381,779; Aug. 7.
Protective apparatus. O. C. Traver. 2,381,527; Aug. 7.
Protective apparatus. A. R. van C. Warrington. 2,381,375; Aug. 7.
Protector: *See*—
Bomb protector.
Protein and product, Insolubilizing. R. K. Iler. 2,381,752; Aug. 7.
Protein composition of matter and making. A. A. Levinson, P. L. Julian, and A. G. Engstrom. 2,381,407; Aug. 7.
Puller: *See*—
Bearing cup puller.
Pump: *See*—
Fuel injection pump. Rotary pump.
Fuel pump. Steam pump.
Liquid sealed pump. Vertical self-priming pump.
Pump. M. W. Huber. 2,381,056; Aug. 7.
Pump. H. Thorpe-Woods. 2,381,628; Aug. 7.
Pump construction. C. I. Longenecker. 2,381,220; Aug. 7.
Pump control and the like. E. H. Markwart and A. L. Cannon. 2,381,221; Aug. 7.
Pump for liquid, Centrifugal. G. C. Meredew and A. L. B. Dawson. 2,381,834; Aug. 7.
Pump or motor unit. C. E. Grosser. 2,381,741; Aug. 7.
Pump unit for drilling machines, Cutting fluid. J. A. Dick. 2,381,650; Aug. 7.
Pumping system. M. B. Sennet. 2,381,695; Aug. 7.
Pumping system, Self-priming. F. A. Carpenter. 2,380,924; Aug. 7.
Punch and die mounting. F. K. Kirsch. 2,381,062; Aug. 7.
Purifier, Liquid. J. K. Russell. 2,381,141; Aug. 7.
Pyrotechnic, Aircraft. M. W. Lloyd. 2,381,130; Aug. 7.
Quencher, Arc. D. I. Bohn. 2,381,637; Aug. 7.

Rack: *See*—
Paper roll rack. Tree-type display rack.
Radio scanning system. R. J. McElhannon. 2,380,981; Aug. 7.
Radio system. C. W. Hansell. 2,381,444; Aug. 7.
Radiosonde system, Chronometric. J. A. Siderman. 2,381,009; Aug. 7.
Radio transmitter. T. H. Price. 2,381,181; Aug. 7.
Rain gauge. F. W. Larson. 2,381,602; Aug. 7.
Raw material for resin synthesis. Le R. U. Spence and C. H. McKeever. 2,381,855; Aug. 7.
Razor, Safety. L. Frank. 2,381,043; Aug. 7.
Reaction of acetone with unsaturated compounds. O. W. Shannon. 2,381,371; Aug. 7.
Receiver for remote control systems, Selective. A. P. Jackel. 2,381,499; Aug. 7.
Receiver, Frequency modulation. J. M. Jadraque and L. J. Cavallero. 2,381,754; Aug. 7.
Record, Magnetic sound. R. K. Potter. 2,381,463; Aug. 7.
Rectifier, Blocking-layer. N. W. H. Addink, J. J. A. H. van Amstel, and N. Bos. 2,381,025; Aug. 7.
Reducing device, Fracture. M. G. Hardinge. 2,381,050; Aug. 7.
Reel: *See*—
Tape reel.
Reflector for lighting fixtures, Exteriorly illuminated. G. P. Wakefield. 2,381,792; Aug. 7.
Reflectoscope. H. L. Bloxom. 2,381,801; Aug. 7.
Refractory mold. P. F. Collins. 2,380,945; Aug. 7.
Refrigerating apparatus. H. Lutes and J. J. Buzzell. 2,381,068–9; Aug. 7.
Refrigeration. D. H. L. Jensen and E. Harman. 2,381,667; Aug. 7.
Refrigeration apparatus. E. C. Tanner. 2,381,013; Aug. 7.
Refrigerator, Absorption. J. Lithgow and L. K. Jackson. 2,380,979; Aug. 7.
Refrigerator cabinet construction. W. P. Jones. 2,381,598; Aug. 7.
Refrigerator car and using. B. E. Williams. 2,381,796; Aug. 7.
Refrigerator, Twin-cylinder. W. L. Morrison. 2,380,987; Aug. 7.
Regulating mechanism, Window. J. B. Parsons. 2,381,365; Aug. 7.
Regulator: *See*—
Booster regulator. Throwover regulator.
Regulator. D. Cregg. 2,381,346; Aug. 7.
Reinforced container. M. O. Kuhn. 2,381,396; Aug. 7.
Relay, Electromagnetic. W. A. Ray. 2,381,080; Aug. 7.
Releasing end stop slide fastener. W. Mikulas. 2,381,359; Aug. 7.
Remote control system, Fluid pressure. F. S. Eves. 2,381,814; Aug. 7.
Resilient rail fastener. R. W. Payne. 2,380,991; Aug. 7.
Resistor. D. R. Crosby. 2,381,724; Aug. 7.
Responsive device, Pressure. W. I. Bell and J. S. McKinley. 2,381,429; Aug. 7.
Responsive mechanism, Pressure. F. C. Mock. 2,380,983; Aug. 7.
Rice, Manufacture of improved hulled. M. F. Furter. 2,381,342–3; Aug. 7.
Rivet, Blind. G. W. Cook. 2,381,113; Aug. 7.
Riveting apparatus. P. Schultze. 2,381,690; Aug. 7.
Roll paper dispenser. W. J. Shalhoub. 2,381,229; Aug. 7.
Roller, Pin curl hair. H. C. Whittaker. 2,381,195; Aug. 7.
Rotary pump. L. S. Smith. 2,381,700; Aug. 7.
Rotary shaft coupling. C. F. Overly. 2,381,770; Aug. 7.
Rubber composition, Synthetic. P. C. Jones. 2,381,059; Aug. 7.
Rubber derivative composition. P. H. Scrutchfield. 2,381,694; Aug. 7.
Rubberlike compositions. C. F. Brown. 2,381,720; Aug. 7.
Rubber-to-metal adhesions. G. F. Roquemore. 2,381,186; Aug. 7.
Rubber, Vulcanization of. G. E. P. Smith, Jr. 2,381,397; Aug. 7.
Safeguarding operators on power presses. A. W. J. Wells. 2,381,237; Aug. 7.
Safety device. E. E. Grover. 2,380,964; Aug. 7.
Safety device. L. A. Ladner. 2,381,671; Aug. 7.
Safety device for trailers. C. F. Mooney. 2,381,305; Aug. 7.
Safety wrench. A. L. Parker. 2,381,226; Aug. 7.
Salt preparation, Stable diazo. W. H. von Glahn, W. L. Walsh, and C. Streck. 2,381,145; Aug. 7.
Samples, Method and apparatus for obtaining. J. O. Lewis. 2,380,977; Aug. 7.
Sand and controlling flowability of same, Molding. R. T. Wood. 2,381,242; Aug. 7.
Sand and other materials from iron, Purification of. A. Sherlock. 2,381,843; Aug. 7.
Sanitary dental floss holder. J. E. Dembenski. 2,381,530; Aug. 7.
Sash, Storm. O. H. Lind. 2,381,129; Aug. 7.
Saturated hydrocarbons, Production of. J. J. de Jong. 2,381,041; Aug. 7.
Saw, Carcass. D. Dietz. 2,381,489; Aug. 7.
Scale, Assayer's. D. M. Steele. 2,381,086; Aug. 7.
Scale compensator. F. S. Eastman. 2,381,268; Aug. 7.
Screen: *See*—
Projection screen.
Screen cloth, Supporting. F. F. Beil. 2,381,029; Aug. 7.
Screen inspection and method and article related to the same, Shadow. O. C. Hedin. 2,381,164; Aug. 7.
Seal, X-ray tube anode. N. H. Stewart. 2,381,625; Aug. 7.
Seam or joint, Sheet metal. H. E. Blackburn. 2,381,030; Aug. 7.
Seaplane docking. W. J. Turnbull. 2,381,789; Aug. 7.
Seeds and plants from pests, Protecting. J. P. Remensnyder. 2,381,411; Aug. 7.
Selector, Faulted phase. E. L. Harder. 2,381,283; Aug. 7.
Separation process. A. S. Carter and A. V. Willett, Jr. 2,381,038; Aug. 7.
Sewage treating apparatus. A. C. Durdin, III. 2,381,579; Aug. 7.
Sewing apparatus. P. Gardner and R. Kagan. 2,381,817; Aug. 7.
Shade, Coated glass fiber window. C. S. Hyatt and T. J. Kerr. 2,381,542; Aug. 7.
Shaft, Propeller. C. L. Dewey. 2,380,952; Aug. 7.
Sharpener, Razor blade. E. T. Knitter. 2,381,669; Aug. 7.
Sheet control delivery mechanism for lithograph, varnishing machines, and the like. H. W. Brintnall. 2,381,719; Aug. 7.
Sheet feeding mechanism, Automatic. L. E. La Bombard. 2,381,853; Aug. 7.
Shielding, Inductive heating coil. L. W. Gregory and S. S. Schneider. 2,381,278; Aug. 7.
Ship propulsion system, Stability controlled. W. Schaelchlin and E. H. Hornbarger. 2,381,313; Aug. 7.
Shipping container. G. A. Moore. 2,381,508; Aug. 7.
Shock absorber. N. S. Focht. 2,381,532; Aug. 7.
Shoe, Airplane propeller deicer. R. W. Brown. 2,381,381; Aug. 7.
Shoe, Horse. R. C. Mitchell. 2,381,177; Aug. 7.
Shoemaking. B. F. Lee. 2,381,356; Aug. 7.
Shoe, Plastic. M. P. Riesing. 2,381,389; Aug. 7.
Shoe toe, Safety. B. Handelsman. 2,381,280; Aug. 7.
Shoe tree. A. Atlass. 2,381,419; Aug. 7.
Shoes, Making platform. W. P. LeRette. 2,381,503; Aug. 7.
Shuttle. J. K. Dudley. 2,381,042; Aug. 7.
Shuttle car. A. L. Lee. 2,381,672; Aug. 7.
Shuttle, Loom. C. D. Brown. 2,381,333; Aug. 7.
Side milling cutter. B. D. Horth. 2,381,540; Aug. 7.
Sight for firearms, Front. E. M. Harvey. 2,380,965; Aug. 7.
Slack adjuster. C. C. Farmer. 2,381,212; Aug. 7.
Snow plow. J. Wandscheer. 2,381,017; Aug. 7.
Soap preparation. J. Ross. 2,381,368; Aug. 7.
Soaps, Making metal. P. Hodges. 2,381,822; Aug. 7.
Socket wrench. R. J. Johnson. 2,381,597; Aug. 7.
Solution-catching device. J. Monteleone. 2,381,133; Aug. 7.
Solutions of copper mercaptides, Stabilized. E. L. Korb and J. R. Sabina. 2,380,976; Aug. 7.
Solvent composition. C. M. Loane. 2,381,506; Aug. 7.
Spark gap. F. W. Curtis. 2,381,648; Aug. 7.
Speed control, Work-producing. H. A. J. Thiesen. 2,381,321; Aug. 7.
Spindle drive, Rotary. W. Coulson. 2,381,488; Aug. 7.
Sponge rubber, Manufacture of. M. Carter. 2,381,380; Aug. 7.
Sponge rubber, Manufacture of. C. W. Wilson. 2,381,706; Aug. 7.
Spring: *See*—
Orthodontic bracket spring.
Spring testing machine. G. G. Wilcox. 2,381,241; Aug. 7.
Sprinkler, Lawn. P. Grelson. 2,371,740; Aug. 7.
Stabilized cyclized rubber. H. J. Osterhof. 2,381,180; Aug. 7.
Stabilizer. T. M. Deal and W. Baker. 2,381,425; Aug. 7.
Stabilizing and positioning apparatus. C. R. Hanna. 2,381,160; Aug. 7.
Stacker for slicing machines. J. J. Waage. 2,381,016; Aug. 7.
Stainless steel, Electrolytically polishing. C. R. Horwedel and W. J. Resch. 2,381,167; Aug. 7.
Staple fiber cutter. D. B. Wicker and C. W. Cox. 2,381,240; Aug. 7.
Stapling device. R. Vancura. 2,381,192; Aug. 7.
Starter for aircraft engines, Flywheel. C. R. Waselge. 2,381,018; Aug. 7.
Steam pump. P. A. McCormick. 2,381,298; Aug. 7.
Steels, Carburizing. F. R. Bonte. 2,381,638; Aug. 7.
Stepladder. G. M. Fenner. 2,381,492; Aug. 7.
Sterilizer, Ultraviolet. R. A. Hrabak. 2,381,450–2; Aug. 7.
Stick, Hoop. E. Entringer. 2,381,581; Aug. 7.
Stiffener, Shoe. W. H. Heaton. 2,381,590; Aug. 7.
Stock inlet. L. Hornbostel and E. E. Berry. 2,381,286; Aug. 7.
Stop for metalworking machines, Stock. A. E. Drissner and W. J. Hogg. 2,381,441; Aug. 7.
Stop motion for textile machines. H. T. Overbey. 2,381,683–4; Aug. 7.
Strip burster. J. T. Davidson. 2,380,949; Aug. 7.

Strip feed. A. E. Borton. 2,380,918; Aug. 7.
Strip pickling, Continuous. S. J. Dishauzi. 2,381,652; Aug. 7.
Submerged resistor type indicator furnace. M. and M. Tama. 2,381,523; Aug. 7.
Submersible structure. T. G. Myers. 2,381,615; Aug. 7.
Sugar melts, Decolorization of. G. E. Vincent. 2,381,090; Aug. 7.
Sulphides of alkylated aryl, oxy-organic carboxylic acids. O. M. Reiff. 2,381,854; Aug. 7.
Sulphonation process. E. Arnott. 2,381,708; Aug. 7.
Support: *See*—
Adjustable gauge wheel support. Fire escape chute support.
Torque tube support.
Support for artificial legs, Flexible. S. J. Dew. 2,381,265; Aug. 7.
Surfacing machine. R. B. Mentzer 2,381,833; Aug. 7.
Swaging machine. J. M. Root. 2,381,559; Aug. 7.
Switch: *See*—
Electric switch. Pressure switch.
Switch. J. O. Moorhead. 2,381,835; Aug. 7.
Switch device, Hand grip. T. Obszarny. 2,381,077; Aug. 7.
Syringe, Dental hydrocolloid. M. J. Thompson. 2,381,785; Aug. 7.
System and apparatus for distributing liquid solutions. S. A. Hayes. 2,381,589; Aug. 7.
System of communication by mean of electrical waves. E. H. Ulrich. 2,381,847; Aug. 7.
Tabulating and accounting machine. J. Mueller. 2,381,361; Aug. 7.
Tank: *See*—
Droppable fuel tank. Fuel tank.
Tap, Trigger type collapsing. W. J. Hogg. 2,381,448; Aug. 7.
Tape reel. W. R. Gemmel. 2,381,535; Aug. 7.
Tapes for slide fasteners, Producing stringer. L. Campbell. 2,380,939; Aug. 7.
Telecommunication system. G. Deakin. 2,380,950; Aug. 7.
Telegraph apparatus, Printing. H. M. Anderson. 2,381,566; Aug. 7.
Telephone exchange system, Automatic and semi-automatic. G. Deakin. 2,381,727; Aug. 7.
Telephone system. I. Molnar. 2,381,769; Aug. 7.
Television system. K. R. Wendt. 2,381,238; Aug. 7.
Temperature control for electric heating. W. Richter. 2,381,310; Aug. 7.
Terminal connector. E. H. Ayers. 2,381,331; Aug. 7.
Tester, Starter. N. Mabery. 2,381,549; Aug. 7.
Testing apparatus. J. H. Green. 2,381,586; Aug. 7.
Testing apparatus, Mounting. C. M. Hathaway. 2,381,283; Aug. 7.
Testing device. F. G. Back. 2,381,634; Aug. 7.
Tetrachloroethylene and chlorosilanes, Preparing. W. I. Patnode and R. W. Schiessler. 2,381,001; Aug. 7.
Tetrakis-2-chlorethyl silicate, Preparing. W. I. Patnode and R. O. Sauer. 2,381,137; Aug. 7.
Tetranitrates, Aliphatic dinitro. H. B. Hass and W. R. McElroy. 2,381,406; Aug. 7.
Textile materials, Treatment of. I. L. Griffin, D. E. Truax, and N. H. Nuttall. 2,381,587; Aug. 7.
Textiles, Treatment of. C. A. Hochwalt. 2,381,852; Aug. 7.
Thermocouple. A. Graves and G. A. R. Tomes. 2,381,819; Aug. 7.
Thermocouple. H. S. Jones. 2,381,058; Aug. 7.
Thermostat. W. A. Ray. 2,381,557; Aug. 7.
Thiable and clamp, Cable. J. L. McKeown. 2,381,357; Aug. 7.
Thimble, Towline. A. Vaszin. 2,381,193; Aug. 7.
Thread grinding machine. S. J. Harley and J. E. Wainwright. 2,381,051; Aug. 7.
Thread tensioning devices, Method and apparatus for evaluating. F. A. Decker, Jr., and P. G. Woodward. 2,380,951; Aug. 7.
Throwover regulator. R. E. Evarts. 2,380,956; Aug. 7.
Time signaling apparatus. C. E. Chapman. 2,380,943; Aug. 7.
Timing device, Intermitter. W. R. King. 2,380,969; Aug. 7.
Timing mechanism for magnetic recorders, Safety. M. Camras. 2,381,036; Aug. 7.
Timing relay. K. Mahnke. 2,381,300; Aug. 7.
Tin-plate flowing apparatus. M. P. Vore. 2,381,323; Aug. 7.
Tire building apparatus. H. D. Stevens. 2,381,379; Aug. 7.
Tire building apparatus (ply turndown). H. D. Stevens. 2,381,401; Aug. 7.
Tongs. J. A. Gammel. 2,381,045; Aug. 7.
Tool: *See*—
Cutting tool. Pipe-cutting tool.
Metal boring tool.
Tool for forming joints. E. E. Howe. 2,381,747; Aug. 7.
Torque tube support. R. W. Brown. 2,381,399; Aug. 7.
Toy. N. F. Grusenmeyer. 2,381,536–7; Aug. 7.
Track circuits for railroads, Coded. N. B. Coley. 2,381,722; Aug. 7.
Trailer connection. W. J. Tiner and D. G. Phillips. 2,381,190; Aug. 7.
Transmission. C. J. Conkle. 2,380,927; Aug. 7.
Transmission, Automatic. T. B. Tyler. 2,381,786; Aug. 7.
Transmission mechanism, Variable speed. C. D. Buck. 2,381,805; Aug. 7.
Transmission system, Pulse. C. W. Hansell. 2,381,445; Aug. 7.
Trap: *See*—
Liquid trap.
Tray, Dehydration. A. R. Leyerle. 2,381,608; Aug. 7.
Tree-type display rack. H. C. Robinson and T. F. Challis. 2,381,619; Aug. 7.
Trigger mechanism. R. V. Shepherd and H. J. Turpin. 2,381,521; Aug. 7.
Trimmer, Automatic longitudinal. R. K. Schaefer, B. Allen, and R. Lopez. 2,381,840; Aug. 7.
Trisazo dyestuffs, their copper compounds, and their manufacture. A. Krebser and W. Bossard. 2,381,599; Aug. 7.
Truck and brake therefor, Hand. M. G. Brown. 2,381,642; Aug. 7.
Truck body, Self-loading. J. S. W. Boone. 2,380,917; Aug. 7.
Truck, Industrial. E. J. Dunham and K. E. Mulvany. 2,381,729; Aug. 7.
Tube: *See*—
Electronic tube. Ocular tube.
Tube adapter for supporting tubes or the like, Releasing. G. B. Markle, Jr. 2,381,301; Aug. 7.
Tube aligning mechanism. F. J. Cozzoli. 2,381,436; Aug. 7.
Tube coupling. C. B. Livers. 2,381,829; Aug. 7.
Tube folding apparatus, Collapsible. G. M. Booth. 2,381,716; Aug. 7.
Tube folding apparatus, Collapsible. M. H. Cubberley. 2,381,717; Aug. 7.
Tubes, Proofing. G. E. Steinel. 2,381,383; Aug. 7.
Tungsten containing ferrous alloys, Producing. A. Linz. 2,381,674; Aug. 7.
Tuning arrangement for wireless receivers. C. L. Richards. 2,381,227; Aug. 7.
Tuning control mechanism. W. T. Cooke and K. L. Schussman. 2,380,946; Aug. 7.
Turboengine drive, Combustion. F. Nettel and J. Kreitner. 2,380,989; Aug. 7.
Tweezers. H. A. Slad. 2,381,084; Aug. 7.
Two-cycle engine. F. Carter. 2,381,646; Aug. 7.
2-halogenoethoxy silicon compounds. W. I. Patnode and R. O. Sauer. 2,381,138; Aug. 7.
Undergarment. J. G. Frieman. 2,381,816; Aug. 7.
Universal joint. H. H. Abbott. 2,381,096; Aug. 7.
Ureas, Substituted. W. R. Boon. 2,380,934; Aug. 7.
Vacuum cleaner. A. A. Arnhym. 2,381,710; Aug. 7.
Valve: *See*—
Diaphragm valve. Gate valve.
Fluid control valve. Hydraulic safety valve.
Fluid pressure operated valve. Water mixing valve.
Valve. G. A. Iler. 2,381,287; Aug. 7.
Valve control for hydraulic presses. G. B. Sayre. 2,381,776; Aug. 7.
Valve for fluid-operated systems, Control. C. W. Mott. 2,381,553; Aug. 7.
Valve for hydraulic control systems. H. C. Trich. 2,381,528; Aug. 7.
Valve for internal-combustion engines, compressors or the like. F. M. Aspin. 2,381,711; Aug. 7.
Valve head, Resilient. T. J. Hoy. 2,381,541; Aug. 7.
Valve mechanism. L. A. Dickens. 2,381,651; Aug. 7.
Vaporizer and burner, Oil. M. C. Jones. 2,381,289; Aug. 7.
Variable speed phonograph drive. C. A. Pittman, Jr. 2,381,079; Aug. 7.
Vehicle jack. R. V. Baker. 2,381,199; Aug. 7.
Vehicle landing gear. D. E. Willis. 2,381,529; Aug. 7.
Vehicle washing apparatus. L. D. Holmes. 2,381,054; Aug. 7.
Vehicles or emulsions, Medicament. M. B. Crowe. 2,381,262; Aug. 7.
Ventilated electromagnetic device. C. Lynn. 2,381,297; Aug. 7.
Vertical self-priming pump. H. E. La Bour. 2,381,824; Aug. 7.
Vinyl compounds, Polymerization of. H. P. Staudinger, K. H. W. Tuerck, and C. A. Brighton. 2,381,561; Aug. 7.
Vinyl resin textiles, Antistatic treatment of. B. G. Wilkes and W. A. Denison. 2,381,020; Aug. 7.
Viscous solutions of vegetable globulins. R. H. K. Thomson. 2,381,088; Aug. 7.
Volatile organic material, Removing. W. A. Fessler. 2,381,658; Aug. 7.
Voltage regulating system. C. F. J. Boehlen and M. A. Biske. 2,381,715; Aug. 7.
Vulcanizing agent. F. E. Küng. 2,381,063; Aug. 7.
Vulcanizing mold. R. W. Brown. 2,381,395; Aug. 7.
Wardrobe, Knockdown collapsible. C. Rosenthal. 2,381,464; Aug. 7.
Warning device, Automobile speed. L. J. Vanke. 2,381,390; Aug. 7.
Warning systems, Air raid. R. A. Mitchell and C. M. Hines. 2,381,224; Aug. 7.
Water and oil cooler. J. F. Belaieff. 2,381,251; Aug. 7.

Water mixing valve. A. Von Wangenheim. 2,381,146; Aug. 7.
Wave transmitting and receiving apparatus, Compressional. L. Batchelder. 2,380,931; Aug. 7.
Waxes and fatty products derived from crude sugar cane waxes, Hard. R. T. Balch. 2,381,420; Aug. 7.
Weapon for airplanes, Attack. W. F. Boldt. 2,381,332; Aug. 7.
Web-feeding mechanism. A. Thomas. 2,381,322; Aug. 7.
Welding metallic strips to metallic bodies, Resistance. H. P. Guirl. 2,381,742; Aug. 7.
Wheel brake. C. Hollerith. 2,381,166; Aug. 7.
Wheel for agricultural tractors. W. Bower. 2,381,639; Aug. 7.
Wheel gauging instrument. R. M. Greenleaf and J. L. Hunt. 2,381,276; Aug. 7.
Window, Air locked. J. B. Liberty. 2,381,504; Aug. 7.
Window construction, Cellar. C. B. Weedon. 2,381,147; Aug. 7.
Wood, Preservation and fireproofing of. R. N. Hammond. 2,381,049; Aug. 7.
Work positioning apparatus. L. Meister. 2,381,458; Aug. 7.
Working machine, Road surface. M. S. Ariens. 2,381,330; Aug. 7.
Wrapping machine. J. S. Pecker, H. A. Simpson, and A. S. Kirshner. 2,381,078; Aug. 7.
Wrench: *See*—
Safety wrench.
Socket wrench.
X-ray film holder. A. F. Cota. 2,381,261; Aug. 7.
Yeast with treated waste sulphite liquor, Cultivating. N. M. G. Söderström and H. F. Rost. 2,381,230; Aug. 7.
Zingerone, Production of. W. J. Cotton. 2,381,210; Aug. 7.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 7, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 49: 2,381,192
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF PATENTS

ISSUED AUGUST 7, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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U. S. GOVERNMENT PRINTING OFFICE: 1945

THE

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Trade-Marks	236	No. 415,609 to No	415,844,	inclusive.
T. M. Renewals	221			
Reissues	4	No. 22,663 to No.	22,666,	inclusive.
Patents	1,094	No. 2,381,857 to No.	2,382,950,	inclusive.
Designs	199	No. 142,009 to No.	142,207,	inclusive.
Total	1,754			

Interference Notice

U. S. Patent Office, *Richmond, Va., July 13, 1945.*

Stevens Pharmacal Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Rose B. Caldwell, 66 East Walton St., Chicago, Illinois, for registration of a trade-mark and trade-mark registered January 4, 1927, No. 222,689, to Stevens Pharmacal Co., of 4750 Sheridan Road, Chicago, Illinois, and the notice of such proceeding sent by registered mail to said Stevens Pharmacal Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Stevens Pharmacal Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Acting Commissioner.

NOTICE

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Printed Copies of Trade-Marks

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for ten cents.

Recording Corporate Names

Corporations wishing to prevent others registering their names as trade-marks under the act of 1905 may record their articles of incorporation in the Patent Office. The charge for such recording is $3 for each paper not exceeding 6 pages, and $1 for each additional 2 pages or less.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously printed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Amendments to Amendments

Rule 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Condition of Applications Under Examination at Close of Business July 28, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,901; Trade-Mark Division, 2,800. Oldest new case, August 18, 1944; oldest amended, August 9, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 1	Nov. 17	1022
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 31	Sept. 8	1238
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Oct. 21	Oct. 18	1261
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 3	Dec. 5	951
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Aug. 18	Aug. 9	1680
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 4	Dec. 11	1179
7. JARBOE, C. G., Optics, Photography	†Feb. 24	†Mar. 15	981
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 9	†Feb. 6	993
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 10	Oct. 14	1137
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 14	†Mar. 21	343
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 11	Aug. 19	1402
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Nov. 4	Nov. 7	950
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Dec. 4	Nov. 6	796
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Jan. 26	Dec. 8	858
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 19	†Jan. 19	797
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 28	Sept. 19	656
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Nov. 28	Oct. 21	1125
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 27	Nov. 4	695
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 15	†Jan. 26	743
21. THOMPSON, T. J., Textiles	†Feb. 27	†Jan. 19	467
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 9	Dec. 5	1348
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 9	Dec. 7	149
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 2	†Feb. 1	848
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 2	Nov. 20	975
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 17	Oct. 10	1167
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 12	1035
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Sept. 9	Sept. 7	1008
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Oct. 23	Oct. 12	1164
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 11	Dec. 6	1233
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Mar. 9	†Mar. 7	778
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Jan. 9	†Feb. 10	914
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 26	Dec. 22	1084
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 25	Nov. 9	646
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 27	Nov. 6	963
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 25	Nov. 21	750
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 20	Sept. 18	1101
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Nov. 6	Nov. 11	880
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 11	Oct. 28	1231
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 30	Dec. 6	1443
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Nov. 29	Nov. 14	527
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 18	†Jan. 20	659
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 2	Nov. 1	803
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 25	Aug. 26	675
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 9	Nov. 8	1273
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 27	Oct. 27	747
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Jan. 9	†Jan. 13	1077
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 9	Nov. 15	1216
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 3	†Jan. 29	689
50. LEVIN, SAMUEL, Synthetic Resins	Dec. 28	Dec. 29	1486
51. CROCKER, A. W., Radiant Energy; Modulators	Nov. 14	Nov. 9	1799
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 2	Sept. 25	1556
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1285
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 28	Aug. 28	1317
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Dec. 27	Dec. 22	889
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 9	Oct. 12	1004
57. NICHOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 3	Oct. 20	1048
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 4	†Feb. 3	747
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 8	Sept. 11	1405
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Oct. 31	Nov. 1	1111
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 18	1051
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 27	Sept. 26	1843
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 17	Oct. 17	1403
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 19	†Mar. 19	756
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 16	Sept. 18	1295
Trade-Marks: RICHMOND, F. A	†Apr. 19	†June 2	2800
Designs: KALUPY, H. H	†May 21	†June 9	1249

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re McKaughan

No. 4,999. Decided April 9, 1945

[148 F.(2d) 1021; 65 USPQ 379]

Patentability—Aircraft.

Certain claims to aircraft construction *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Messrs. Mason, Fenwick and Lawrence (*Mr. Harry S. Morton* of counsel) for McKaughan.

Mr. W. W. Cochran for the Commissioner of Patents.

Hatfield, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 2, 3, 4, 5, 11, and 12 in appellant's application for a patent for an alleged invention relating to aircraft construction, and particularly to removable cargo compartments in the fuselage.

Claims 9 and 10 in appellant's application were allowed by the Primary Examiner.

Claims 4, 11, and 12 are illustrative of the appealed claims, claim 4 being illustrative of claim 5, and claim 12 being illustrative of claims 2 and 3. Claims 4, 11, and 12 read:

4. Airplane construction including a fuselage, said fuselage having a compartment chamber, and a freight compartment substantially fitting said chamber and removable as a unit through the top of said chamber, and means below the fuselage as to support the fuselage substantially level on the ground with the side walls of said chamber and compartment in a substantially vertical direction, to facilitate the lifting of said compartment from said chamber or the gravitational replacing of said compartment in said chamber.

11. In aircraft construction including a fuselage and wings, a tail assembly comprising a vertical fin carried beneath the fuselage and a rudder mounted behind said fin, means beneath said wings operable advantageously when landing for intercepting air beneath said wings with braking effect and deflecting it toward said fin and rudder to increase the steering efficiency of said tail assembly.

12. Airplane construction including a fuselage having a compartment chamber having closed longitudinal side walls and bottom, and a freight compartment substantially fitting said chamber and removable as a unit through the top of said chamber, said compartment having a door in one end accessible from the interior of the airplane, the roof of said compartment forming part of the upper wall of said fuselage when the compartment is in place.

The references are: Griswold, 2d., 1,801,344, April 21, 1931; Brown, 1,836,896, December 15, 1931; Blount, 1,951,817, March 20, 1934; Fowler, 1,992,941, March 5, 1935; Knerr, 2,075,042, March 30, 1937; Poindexter et al., 2,115,932, May 3, 1938.

As will be observed from the quoted claims, appellant discloses a compartment chamber in the fuselage of an airplane having a bottom and closed side walls, and a freight compartment substantially fitting the chamber and removable through its top. When the freight compartment is in place, its roof forms a part of the "upper wall" of the fuselage. Appellant also provides a vertical fin carried beneath the fuselage, a rudder mounted behind the fin, brake flaps on the wings for deflecting the air toward the fin and rudder to increase the steering efficiency of the tail assembly when landing, and a tail wheel positioned so as to support the fuselage in a level position during loading or unloading and thus facilitate the handling of the freight compartment.

The patent to Griswold discloses a cabin on an airplane supported in a compartment chamber of the fuselage. The cabin is designed to be lifted through the top of the fuselage and carried by a parachute in case of an emergency. The side walls of the compartment chamber are composed of open truss members.

The patent to Brown discloses an airplane having upper and lower wings, brake flaps on the wings adapted to be lowered to exert a braking effect during landing of the craft, vertical fins extending above and below the fuselage, a rudder attached to the fins, and a tail wheel on the vertical rudder to support the plane while it is on the ground.

The patent to Blount discloses, among other things, a vertical fin having a tail wheel mounted thereon.

The patent to Fowler discloses a compartment chamber and removable freight compartments which fit into the chamber and are removable through the top of the chamber. The patentee states that the upper surfaces of the freight compartments "are contiguous with the upper surfaces of the nose and tail sections, and their side surfaces are likewise contiguous with the side surfaces of the nose and tail sections, and with the side surfaces of the platform" on which the freight compartments are positioned. The freight compartments may be equipped for passengers, in which event a door is provided which communicates with the fuselage. The patentee does not disclose side walls along that portion of the fuselage where the freight compartments are located.

The patent to Knerr discloses an airplane having freight compartments attached to the fuselage and removable through the bottom of the fuselage. The patent was cited because it discloses an adjustable tail wheel to hold the fuselage in a level position to facilitate removal of the freight compartments.

The patent to Poindexter et al. discloses a detachable passenger compartment which is supported by a parachute in the event of an emergency and, so far as the issues here are concerned, is similar to the Griswold patent.

The tribunals of the Patent Office concurred in holding that claims 2, 3, and 12 were unpatentable over the disclosure in the Fowler patent.

Counsel for appellant argue that the patent to Fowler does not anticipate claims 2, 3, and 12; that it does not show a compartment chamber having closed side walls; and that it does not disclose that the freight compartments are removable through the top of the fuselage.

Claims 2, 3, and 12 are not anticipated in a tech-

nical sense by the patent to Fowler, because Fowler does not disclose a compartment chamber having side walls. However, it is clear from its decision that the Board of Appeals did not hold that those claims were anticipated by the Fowler disclosure, but, on the contrary, held that they were not patentable over that disclosure in view of the side walls in the compartment chambers disclosed in the patents to Griswold and Poindexter et al.

It is true that the patents to Griswold and Poindexter et al. do not disclose closed side walls for their compartment chambers. However, it is not argued here by counsel for appellant that it would involve invention merely to provide appellant's freight chamber with closed side walls.

Although counsel for appellant argue that the patent to Fowler does not disclose that the freight compartments are removable through the top of the fuselage, it is stated in the patentee's specification that "there is a vertical cargo receiving slot, which is accessible from the top and side of the fuselage," and we think it is clear from the patentee's disclosure that his arrangement is such that the freight compartments may be removed through the top of the fuselage in the same manner as are appellant's.

We are in accord with the conclusion reached by the Board of Appeals as to claims 2, 3, and 12.

Claim 4 was rejected by the tribunals of the Patent Office on the disclosures in the patents to Fowler, Griswold, and Poindexter et al. in view of the patent to Knerr.

In addition to the elements called for by claims 2, 3, and 12, claim 4 calls for means beneath the fuselage to hold the fuselage substantially level to facilitate the removal of the freight "compartment" from the compartment chamber. That feature is clearly disclosed in the patent to Knerr.

Claim 5, which differs from claim 4 in that it calls for a vertical fin for carrying a tail wheel, was rejected by the Patent Office tribunals on the patents to Fowler, Griswold, and Poindexter et al. in view of the patents to Knerr and Blount.

As hereinbefore noted, the patent to Blount discloses a tail wheel mounted on a vertical fin for supporting the fuselage in a level position, and, as pointed out by the Board, the patent to Brown shows a somewhat similar arrangement.

Claim 5 was also rejected by the tribunals of the Patent Office as being aggregative.

In view of the fact that we are of opinion that claims 4 and 5 are unpatentable over the references of record, it is unnecessary that we consider the rejection of claim 5 on the ground that it is aggregative.

Claim 11 was rejected by the Patent Office tribunals as reading directly on the disclosure in the Brown patent.

It will be observed that claim 11 calls for means beneath the wings for intercepting and deflecting air toward the fin and rudder to increase the steering efficiency of the tail assembly during the landing of the airplane.

In holding claim 11 readable on the patent to Brown and, therefore, unpatentable, the Primary Examiner stated that in the patentee's disclosure the "down wash" of the air from the brake flaps on the lower wings would, to some extent, pass over the fin and rudder, owing to the fact that the brake flaps "extend from a point below to one above the level" of the lower fin, and that, when landing, the lower fin on the airplane would be at such an angle, with reference to the brake flaps on the lower wings, that the down wash of air from the brake flaps would flow along the fuselage towards the lower fin. The Examiner concluded his statement by saying: "If any beneficial effect is contributed by the down wash on the fin and rudder it is anticipated by the references."

The Board of Appeals approved the Examiner's statement with regard to the disclosure in the Brown patent.

The difficulty with the Examiner's position, as we see it, is that in the Brown patent the brake flaps on the lower wings converge forwardly towards the front of the fuselage and, obviously, would not deflect the air towards the fin and rudder assembly, as called for by claim 11.

It may be, as stated by the Examiner, that, in the patentee's arrangement, there would be some down wash of air from the brake flaps on the lower wings to the fin and rudder. It seems to us, however, that the Examiner's views are somewhat speculative. But, be that as it may, the brake flaps on the lower wings of the patentee's structure do not deflect the air towards the fin and rudder within the meaning of the term "deflecting" as used in claim 11.

The Solicitor for the Patent Office, however, has called our attention to the fact that the brake flaps on the upper rear wing, as disclosed in Fig. 7 of the Brown patent, converge rearwardly towards the fin and rudder, and it is argued by the Solicitor that they would deflect the air to the fin and rudder.

Although the patentee makes no reference in his patent to deflecting the air towards the fin and rudder, we think it is clear from his disclosure in Fig. 7 that the brake flaps on the upper rear wing, which converge rearwardly, would deflect the air to the fin and rudder and increase the steering efficiency of the tail assembly in precisely the same manner as in appellant's disclosure. We are of opinion, therefore, that claim 11 reads directly on the patent to Brown.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CAREW

No. 5,010. Decided April 9, 1945

[149 F.(2d) 155; 65 USPQ 423]

PATENTABILITY—PAPER DRINKING CUP HANDLE.

A claim to a paper drinking cup handle *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Joseph H. Milans for Carew.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 18 in appellant's application for patent for an alleged invention relating to a paper drinking cup handle.

Four claims were allowed by the Primary Examiner.

The rejected claim reads:

18. A paper drinking cup handle formed of a separate piece of flexible material and adapted to be attached to a cup in any of different locations on the outer face of the cup body vertically and circumferentially thereof within the relative sizes of the cup and handle, comprising a base portion for affixing the handle to the cup body, and oppositely disposed portions adapted to extend outwardly from said base portion into approximately parallel relationship and substantially spaced apart, said outwardly disposed portions possessing horizontally aligned openings of substantial size to allow for the passage of a forefinger through both of said portions whereby the cup will be suspended from a single finger, the spacing of the finger-engaging portions providing for said suspension at separated points on the finger defined by the spacing of said outer extending portions.

The reference is: Annen, 2,060,781, November 17, 1936.

Appellant's drinking cup handle is formed from a piece of flexible material, such as paper or paper board, which is separate from that of which the body of the cup is formed. It comprises a base portion, for adhesively attaching the handle to the cup at any desired location on the outer face of the cup body, and oppositely disposed portions extending outwardly from the base portion into parallel relationship and spaced substantially apart. The outwardly disposed portions possess horizontally aligned openings of such size that a forefinger may be passed therethrough. By such an arrangement the handle of the cup comes in contact with the forefinger at two points, which permits the cup to be held securely and prevents tipping. When not in use the outwardly disposed portions or members of appellant's handle lie against the outer surface of the cup and conform to the curvature so that the cups may be stacked.

The patent to Annen discloses a paper cup having a handle made integral with the end of the blank from which the cup is formed. The patentee's handle has a base portion and oppositely disposed U-shaped members adapted to be extended outwardly from the base in parallel relationship and spaced substantially apart. The U-shaped members have horizontally aligned openings. Although the size of the openings is not stated in the patent, it appears from Figs. 1 and 2 of the patentee's drawings that they are of substantial size. Whether they are sufficiently large to permit the passing of a forefinger therethrough, does not appear. However, as stated by counsel for appellant, they are at least sufficiently large to facilitate "engagement of the fleshy parts of the opposing thumb and finger pressed somewhat into the apertured portions of the handle." The patentee's U-shaped members normally lie flat against the outer surface of the cup and conform to the curvature thereof, so that, when desired, the cups may, as stated in the patent, "be nested as completely as is possible with cups without handles." When in use, they are forced together and grasped by the thumb and forefinger.

It will be observed from what has been said that the difference between appellant's handle and that disclosed in the reference patent is that in the patent the apertures or openings in the U-shaped members, although of substantial size, apparently are not as large as the openings in the oppositely disposed members of appellant's handle. Furthermore, as hereinbefore noted, the patentee's handle is formed from the same piece of material as that forming the body of the cup, whereas appellant's handle is formed from a separate piece of material and, for that reason, may be attached to the cup at any desired location.

It is conceded in appellant's application that it is old in the art to form a handle from a piece of material separate from that of which the body of the cup is formed.

So, the real issue in the case, as we see it, is whether, in view of the disclosure in the Annen patent, the idea of enlarging the aligned openings or apertures in the patentee's U-shaped members so that a forefinger may be passed therethrough, thus permitting the cup to be securely supported at two points on one finger, involves invention. We are of opinion that it does not.

It is apparent that in the patentee's disclosure the handle could be held in precisely the same manner as is appellant's by merely enlarging the aligned openings in the U-shaped members. It is also apparent that appellant's handle can be grasped between the thumb and forefinger and held in precisely the same manner as the patentee's.

We have given careful consideration to the arguments presented here by counsel for appellant, but are of opinion that the tribunals of the Patent Office reached the right conclusion. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

WEBB *v.* HARRISON

No. 4,984. Decided April 9, 1945

[148 F.(2d) 1005; 65 USPQ 334]

1. APPEAL—RECORD.

With respect to an earlier application relied upon by appellant for constructive reduction to practice, *Held* that "in the absence of the text of the early application we must accept as conclusive the factual finding of the Board that it does not support count 1."

2. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that as to count 1, upon which appellant maintained his appeal, priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. R. S. Berry (*Mr. James Atkins* of counsel) for Webb.

No appearance for Harrison.

GARRETT, *P. J.:*

In this case an interference was originally declared in the United States Patent Office on a single count. Subsequently seven other counts were added as a result of motions made by the respective par-

ties and the interference redeclared. In its decision the Board of Interference Examiners awarded priority to the party Webb upon added count numbered 5, but upon all the other counts awarded priority to the party Harrison. Harrison took no appeal as to count 5. Webb appealed as to all the other counts, numbered 1 to 4, inclusive, and 6 to 8, inclusive, but in the brief before us stated:

> At the outset of this discussion the party Webb wishes to state that he withdraws his appeal as it relates to claims 2 to 4, inclusive, and 6 to 8, inclusive, and proposes only to urge a reversal of the decision of the Examiner of Intereferences as it relates to count 1 and the award of count 1 to the senior party Harrison.

In view of the above, the appeal as to claims 2, 3, 4, 5, 6, and 8 will be dismissed.

It may be said at this point that Harrison filed no brief before us, nor was he represented at the oral hearing.

The single count now at issue reads as follows:

> 1. In a line grounding clip embodying a metallic supporting strap, and a cushioned seat carried by said strap and extending along the inner periphery thereof; an electrically conductive strip bent intermediate its ends and positioned astride an end of said cushioned seat with one of its end portions extending between said seat and said strap and with its other end portion overlying the outer face of said seat for interposition between said seat and a conduit imposed on the latter to effect electrical connection between said conduit and said strap around the terminus of said cushioned seat.

The application of Harrison, Serial No. 414,417, was filed October 10, 1941; that of Webb, Serial No. 417,077, October 30, 1941. So, Webb being the junior party, the burden of proving priority by a preponderance of the evidence rested upon him. During the motion period he moved to shift the burden of proof on the basis of an earlier application, Serial No. 412,783, filed by him September 29, 1941. Neither the motion nor the text of the decision of the Primary Examiner thereon is included in the record before us, but in the decision of the Board it is stated:

> * * * The motion was denied by the Primary Examiner as to all counts of the interference for the reason that as subsequently redeclared not all of the counts were readable on the earlier application. Webb now seeks to rely upon this earlier application for constructive reduction to practice of counts 1, 2 and 5. * * *.

It appears that Webb endeavored to establish an actual reduction to practice of the subject matter of counts 1 and 5, on or about July 4, 1939, but the Board held that the testimony was insufficient upon this point and he was restricted to his filing dates. As to count 5, the Board gave him the benefit of the filing date of the application of September 29, 1941, Serial No. 412,783, for constructive reduction to practice and awarded him priority on that count. As to counts 1 and 2, however, the Board held that the earlier application did not support them.

By the withdrawal of his appeal as to count 2, Webb acquiesces in the holding of the Board relative to it, but he contends that the Board erred in holding that his early application fails to support count 1. The brief on his behalf recites certain of the findings of the Board relative to the "Webb showing" and the "Harrison showing," and continues:

> It is the position of appellant Webb that the holdings of the Board of Interference Examiners is correct in each of the above instances save their contention that Webb application Serial No. 412,783 fails to support count 1 of the interference when they have ruled that count 5 of the intereference is supported by this early application. In view of the fact, therefore, that appellant does not now take issue with the Board of Interference Examiners on any finding of fact but merely upon the construction and interpretation of count 1 of the interference with relation to the showing in Webb's early application Serial No. 412,783, it is not necessary to discuss the record presented by the contesting parties but only to address argument to the proposition that Webb's early application is a constructive reduction to practice of both counts 1 and 5 of the interference.

The text of the early application so referred to was not included in the record certified to us. A sheet of the drawings embracing seven figures was introduced and certain testimony was taken apparently in connection with appellant's Exhibit 2, a clip upon the basis of which appellant sought to establish actual reduction to practice of the subject matter of the invention. We find nothing in the drawings nor in the testimony so taken which would justify a holding that the early application supports count 1.

Except for the sheet of drawings, we have no official information respecting the early application other than the meager references to it in the decision of the Board.

In the final analysis appellant rests his case upon the contention that count 1 should be so construed that the early application may be held to disclose its subject matter as fully as it was held to disclose count 5, and to that end his brief compares those two counts element by element.

This argument has been carefully considered and we find it untenable.

The Board interpreted count 1 to require "that one end portion of the grounding strap terminate between the clamp body and the cushion and that the other end portion of the strap be positioned between the cushion and the conduit," and held that this limitation was not supported by Webb's early application.

It seems clear to us that the interpretation as made is correct, and it also seems clear that the limitation so defined is not present in count 5.

[1] In the absence of the text of the early application we must accept as conclusive the factual finding of the Board that it does not support count 1.

The appeal is dismissed as to counts 2, 3, 4, 6, 7, and 8.

[2] The decision of the Board as to count 1 is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE KINGSTON

No. 4,990. Decided April 9, 1945

[149 F.(2d) 181; 65 USPQ 371]

1. CLAIMS—GENUS AND SPECIES.
   "Claims 39, 40, and 41 are generic claims, while claims 42, 43, and 44 are species claims. Only in the event of the allowance of one of the generic claims could all three species be allowed."
2. SAME—"MARKUSH" TYPE.
   Claim 39 of appellant's application, calling for a quaternary alloy of iron, nickel, chromium, and a fourth metal "such as aluminum, zirconium or calcium," *Held* "not in proper form to meet the Markush rule" in that "its fourth element is too broad involving, as it does, three distinct metals each of which may be in a different class, so that the claim may cover three classes while the Markush rule contemplates only one class;" dependent claims 40 and 41 falling therewith.

3. PATENTABILITY—VACUUM-TIGHT SEAL.
   In appellant's application relating to a metal body for making a vacuum-tight metal-to-glass seal, *Held* that claims 39, 40, and 42 were properly rejected as presenting nothing patentable over a patent to Scott; and that "since claim 41 is dependent upon claim 39, its patentability is not deemed to be enhanced by the degree of temperature ('of the order of 1300° C.') named therein for preforming the oxide film, although that degree is considerably in excess of the degree (950° C.) named by Scott, and were it not made dependent on claim 39, might not be met by Scott."
4. APPEAL—CLAIMS NOT CONSIDERED BELOW.
   Where appellant formulated a claim after the second and final decision of the Board of Appeals, and petitioned the Commissioner to restore jurisdiction in order that it might be considered, or at least that it might be entered for purposes of appeal, but his petition was denied, and the claim never became a part of the case, *Held* that the court was without jurisdiction to consider it.

APPEAL from the Patent Office. Affirmed.

Mr. John J. Rogan for Kingston.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This controversy is before us by appeal from the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of six claims (no claim being allowed) numbered 39 to 44, inclusive, of appellant's application for patent relating to a metal body adapted to be sealed to glass. Another claim, numbered 45, the status of which is hereinafter stated, is listed with the appealed claims.

Claims 39, 40, and 42 read as follows:

> 39. A metal body for providing a vacuum-tight seal-to-glass comprising a quaternary alloy of iron, nickel, chromium and a fourth metal, with a nickel content of between 38 and 45%, chromium between 3 and 15%, the fourth constituent consisting of 0.1 to 2% of a metal such as aluminum, zirconium or calcium, the iron constituting the balance of the alloy, said body having a tightly adherent self-protecting oxide surface preformed thereon at high temperature prior to the sealing of the said body into the glass, said fourth metal having the property when incorporated in said proportions of facilitating the preformation of said oxide at said temperature.
>
> 40. A metal body according to claim 39, in which said preformed oxide is a chromium oxide which acts as a self-protecting adherent layer to prevent the formation of iron oxide on the exterior of said body when said body is subsequently subjected to the heat of sealing-in to the glass.
>
> 42. A metal body for making a vacuum-tight metal-to-glass seal consisting of quaternary alloy of iron, nickel, chromium and a small percentage of aluminum with a nickel content of between 38 and 45%, a chromium content of between 3 and 15% and aluminum content of between 0.1 and 2.0% which enhances the formation of a tightly adherent oxide coating when the body is heated to a temperature greatly in excess of the melting temperature of the glass body to which it is to be sealed; and the rest substantially iron.

Claim 41 recites that the tightly adherent oxide named in claim 39 is preformed at a temperature of the order of 1300° C. in an atmosphere of moist hydrogen. Claim 43 names zirconium as the fourth metal, instead of aluminum, and claim 44 names calcium.

Two patents are cited as references, viz: Jonas, 1,627,780, May 10, 1927; Scott, 2,065,404, December 22, 1936.

A brief description of the subject matter is stated by the Examiner as follows:

> The alleged invention relates to an insert, or sealing-in wire, for a vacuum tube, such as a radio tube. The insert is formed of an alloy which has expansivity characteristics which result in securing a good bond between the glass and the metal insert. Prior to sealing the insert into the tube, the insert is given a pre-oxidizing treatment in moist H_2 to form an adherent oxide coating. This coating aids in securing the bond between the metal and the glass.

Claims 39, 40, 42, 43, and 44 stand rejected as presenting nothing patentable over the Scott disclosure. Claims 39 and 40 were also rejected as not being proper Markush claims, apparently the sole ground of rejection of claim 41 which is dependent on claim 39.

[1] Claims 39, 40, and 41 are generic claims, while claims 42, 43, and 44 are species claims. Only in the event of the allowance of one of the generic claims could all three species be allowed. So, having rejected all the generic claims, claims 43 and 44 were rejected not only on the references but on the further ground that they are drawn to "non-elected species."

It will be observed that the four ingredients entering into the metal body as defined in claim 39 are (1) alloy of iron; (2) nickel; (3) chromium, and (4) "a metal such as aluminum, zirconium or calcium." The view of the Examiner that claims 39 to 41 are not proper claims under the Markush rule is expressed in his statement following the appeal to the Board as follows:

> * * * The Examiner's position is that it is not evident to one in the art which metals will function like the aluminum, calcium and zirconium to facilitate the preformation of the oxide. The mere fact that applicant has found that certain elements will produce a particular result does not entitle applicant to lay claim to any other element which may later be found to produce the same result. The only way of determining what other elements, if any, may be used, is by way of experiment and test. Applicant has not shown any recognized class of elements which would lead one to any other element. Applicant has attempted to show that one in the metallurgical art would know which elements are like calcium, aluminum and zirconium. It is considered, however, that applicant has clearly failed to support his position. Applicant states that the three elements form an extremely stable oxide, but the mere fact that these three elements form a stable oxide does not teach one which elements are like them, for the purpose for which they are used by applicant, that is to form an adherent oxide. The claims are not dependent on the formation of a stable oxide. The characteristics of the oxide are defined otherwise. It may be admitted that beryllium and magnesium, which applicant suggests as obvious possible alternatives for the aluminum, calcium and zirconium, form stable oxides. This would not lead to the conclusion that those metals when added to the iron-chromium-nickel alloy would aid in the formation, on oxidation, of a tightly adherent oxide film. There are many other metals, such as the chromium in the alloy, which form highly stable oxides. The stability of the oxides has not been disclosed as the test, and is not even now stated to be the test as to formation of the desired oxide coating. Applicant also refers to the fact that beryllium, magnesium and calcium are in group 2*a* of the periodic system, but applicant did not allege that the presence in the same group in the Periodic Table is the test, and he does not now so allege. It is to be noted that the three elements, calcium, aluminum and zirconium are each in different groups in the Period Table.
>
> * * * * * * *
>
> The claims do not recite a group of substances in the Markush form. They are alternative with respect to the fourth element. Insofar as they are intended to form a group of the Markush type, they are improper because aluminum, zirconium and calcium would not be expected to be equivalents for the intended purpose, from a knowledge of the prior art. Admittedly these elements have properties in common, as do all substances to a certain extent. But applicant has not disclosed why one would expect these elements to facilitate the production of the desired oxide. The fact that they form stable oxides is believed to be an unsatisfactory reason for expecting these elements to be equivalent in view of remarks already made.

Following the decision of the Board affirming that of the Examiner, appellant filed a petition for reconsideration which was granted, and the Board, in its second decision (in which it adhered to the

conclusion reached in its first), restated its position somewhat more clearly in the following paragraphs:

It is desired to point out first of all that petitioner has apparently misunderstood our holding with respect to the rejection under consideration. We held that the claims do not recite a group of substances in the Markush form, which was the basis of the Examiner's rejection, but are purely alternative. By this is meant that the use of the term "or" in the claim imparts an alternative meaning. What appellant may have intended and what the claims state is another matter. If drawn in proper form the claim would read: a fourth constituent consisting of 0.1 to 2% of a metal selected from the group consisting of aluminum, zirconium and calcium, and not as appellant has phrased the claim, "such as" coupled with the alternative expression "or". The Markush form of claim has come into extensive use in chemical cases and the proper form for grouping elements in such a claim has become well recognized and should be followed when such claims are resorted to. This is the Examiner's objection to the claims as we understood it.

Petitioner's statement that the claims could not have been objected to if no metals whatever had been listed is beside the point. If no metals had been listed, then the claims could not possibly have been even thought of as being in the Markush form, but would have been the usual type of broad generic claim.

[2] It seems entirely clear to us that claim 39 is not in proper form to meet the Markush rule. Its fourth element is too broad involving, as it does, three distinct metals each of which may be in a different class, so that the claim may cover three classes while the Markush rule contemplates only one class. Claims 40 and 41 are made dependent upon claim 39, and, therefore, must fall with it.

[3] Claim 42 stands rejected primarily on the patent to Scott, which constitutes also an additional ground for the rejection of claims 39 and 40. The patent to Scott discloses the use of aluminum (the fourth element designated eo nominee in claim 42, supra) for improving the adhesion of the oxide film. Scott does not disclose the exact percentage of aluminum suitable for such use, but there does not appear to be any definite showing that the percentages named by appellant are critical. As is pointed out in the brief of the Solicitor for the Patent Office, Scott lists aluminum as an equivalent of manganese, and in a table of alloy compositions shown in his specification there is one example showing 0.7% manganese used in combination with iron, nickel, and chromium. This is within the range of 0.1% to 2.0% of the aluminum as designated in appellant's claim 42. (It may be remarked that the patent to Jonas also teaches the use of aluminum for improving the bond between a metal alloy and glass, the percentage ranging from 0.5% to 5.0%. The Jonas patent standing alone, however, would probably not be a complete reference.)

We think there was no error in rejecting claim 42 on Scott, nor in the rejection of the other claims on the grounds recited.

Our decision in the case of *In re Kingston*, 31 C. C. P. A. (Patents) 1050, 142 F.(2d) 249, 61 USPQ 411, 565 O. G. 345, appears to be directly in point here. In that case the applicant (who is the applicant here) presented claims involving a combination of three metals, nickel, chromium, and iron, with percentages stated substantially similar to the percentages of the instant claims. The claims were rejected on the same Scott patent which is cited as a reference here. It is obvious from that decision that the claims here could be allowed only on the basis of the aluminum, or the feature of the oxide film, as recited in claim 41, and both of these are disclosed by the Scott patent. Since claim 41 is dependent upon claim 39, its patentability is not deemed to be enhanced by the degree of temperature ("of the order of 1300° C.") named therein for preforming the oxide film, although that degree is considerably in excess of the degree (950° C.) named by Scott, and were it not made dependent on claim 39, might not be met by Scott.

There is no contention that claims 43 and 44, rejected as drawn to "non-elected species," may be allowed in the absence of the allowance of at least one of the generic claims, and we need not further consider them.

[4] As has been stated, a claim numbered 45 is listed with the claims on appeal, and the refusal of the Board to allow it is included in one of appellant's broad reasons for appeal.

As a matter of fact the claim was never before the Board. It was formulated after the Board's second and final decision, and appellant petitioned the Commissioner to restore jurisdiction in order that it might be considered, or at least that it might be entered for purposes of appeal. The petition was denied and so the claim never became a part of the case. Under such circumstances, this court is without jurisdiction to consider it.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HOLSLAG

No. 4,992. Decided April 9, 1945

[148 F.(2d) 1007; 65 USPQ 376]

PATENTABILITY—MASK.

Claims to a mask for use in connection with arc welding *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. A. D. T. Libby (*Mr. Harry B. Rook* of counsel) for Holslag.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

This appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner, involves five claims (being all the claims), numbered 1 to 5, inclusive, of appellant's application for a patent relating to a mask designed for protecting the heads and faces, most especially the eyes, of arc welders.

The broadest of the claims (No. 1) reads as follows:

1. A mask for use in connection with arc welding, comprising a holder having an observation opening, guide means associated with the opening and film material positioned adjacent the opening so portions thereof may be extracted through the guide means over the opening, the film material being opaque to usual daylight, thereby allowing the user of the holder to look through the film at the arc without injury to the user.

Claim No. 2 is more specific in describing a structure which embraces certain features not designated in claim 1. It reads:

2. A mask for use in connection with arc welding, comprising a holder having an observation opening, guide means associated with the opening, a thin, transparent strip permanently fixed in the guide means over the opening, a film combination positioned adjacent the opening so sections of said combination may be extracted through the guide means over the opening in front of the permanently fixed strip, the film combination including a shielding film material treated to prevent the arc from injuring the eyes of the user, and a thin transparent outer protecting material arranged to be simultaneously extracted with the shielding film.

Claim 3 defines a mask "giving protection to the entire head of the user." Claims 4 and 5, like claim 2, define a transparent protecting film over the outside of the opaque film.

While it is thought the device may be fairly visualized from the quoted claims, the following descriptive statement, taken from the brief of the Solicitor for the Patent Office, is apropos (record page references and indicating numerals being omitted):

As shown in the drawing of the application the mask consists of a portion which covers the head of the welder and a window on the front thereof through which the welder may see the work. In order to protect the eyes of the welder while allowing him to see the work, it is necessary that the window have a member which is more or less opaque to ordinary light and sufficiently transparent to enable the welder to see his work when the same is illuminated by the electric arc. The somewhat opaque member in appellant's device is a film which is described as being of a suitable thickness and having characteristics which will allow the user to look through the film at the arc without injury to his eyes. The film is made of some flexible material. In view of the fact that such a film is subject to injury in the use of the device as, for example, becoming scratched, it is desirable that the film be readily replaceable. To accomplish this purpose the appellant makes his film in the form of a relatively long strip which is wound on the reel within the casing mounted at one side of the window. One end of the film extends across the window and the remainder is on the reel. If the portion of the film in use should become damaged, the end of the film may be drawn out, thus bringing opposite the window a new portion of the film. The damaged portion may then be torn off and discarded. The tearing off of the used film is facilitated by a cutting edge located at the side of the window opposite the reel. In order to protect the film while in use appellant provides also another film which is transparent and is wound parallel with the film on the reel.

To the foregoing, it may be added that the protecting film strip is on the outside of the main or principal film, being coextensive therewith, and, as defined in claim 2, there is a third film strip permanently attached so as to be immediately next to the eyes.

In finally rejecting the claims the Examiner cited as references two patents, viz: Holslag, 1,305,364, June 3, 1919; Parmelee, 2,119,439, May 31, 1938.

The Holslag patent was issued to appellant, and it will be observed that it expired in 1936. The drawing of that patent discloses a mask, the head-covering body of which is substantially of the same construction as that disclosed in the present application. The sight opening provided therein is surrounded by a frame in which are carried a series of different colored glass shields "through which," the specification states, "the operator may observe the weld or the work that is being performed." The shields were features for protecting the eyes of the operator from the intense glare produced in the welding operation. The patent device had no mechanism corresponding to the mechanism of the application for passing the movable film elements before the eyes and severing them as above described.

In its general structure the Parmelee device closely approaches the general structure of the application here involved. Parmelee's mask (entitled "Face Protector") was designed particularly to protect "the face, nose and eyes" of persons operating devices in the spraying of plants, trees, and the like with "irritating or harmful liquids or materials." So far as the eyes are concerned, the protective element consists of a roll of transparent film on a reel attached to the mask at one side of the sight opening. When the transparency of that part of the film immediately before the eyes becomes clouded so that sight is obscured, the operator seizes the end of the film and draws it out to a point where a new section of film comes before the eyes and tears off the clouded portion, being aided in doing so by a cutting edge similar to that of appellant.

With respect to the masks and the film-moving mechanisms attached thereto, we are unable to discern any material differences between the disclosures of the Parmelee patent and the disclosures of appellant's application.

In the final analysis such differences as exist relate solely to the film elements, and comparison must be made accordingly.

Fairly construed the Parmelee patent is limited to the use of a single transparent film, and claim 1 (the broadest claim) of the application is limited to a single opaque film. The principal or basic film described in appellant's claims 2, 3, 4, and 5 obviously is an opaque film. Some of these claims, however, call for a transparent strip permanently fixed as described above, and others call for a transparent strip over the outer side of the opaque film so arranged that it runs with the opaque film and is torn off in sections with the latter.

So, the primary question presented is whether there was invention in substituting appellant's basic opaque strip for the transparent strip of the Parmelee patent. The tribunals of the Patent Office did not think so, and we agree with their view, particularly in view of the teaching of appellant's patent respecting the colored glass shields therein defined.

The secondary question is whether it constituted invention to add the outer transparent film strip, movable and severable with the basic strip, and the inner transparent, permanently fixed film strip on the inner side. It does not seem to us that these additions constitute anything more than the exercise of mechanical skill which, in substance, was the holding below.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE JACOBSON ET AL.

No. 5,012. Decided April 9, 1945

[148 F.(2d) 1011; 65 USPQ 425]

1. CLAIMS—INTRODUCTORY CLAUSE.

"Instances in which the introductory clause of a claim may be taken as a limitation on the claim are very rare."

2. PATENTABILITY—COMBUSTIBLE GAS INDICATOR.

Certain apparatus and method claims in appellants' application relating to a combustible gas indicator *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Brown, Critchlow & Flick (*Mr. Frank E. Foote* and *Mr. Fulton B. Flick* of counsel) for Jacobson et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

Appellants here seek reversal of the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of five claims, numbered respectively 2, 23, 24, 28, and 29, embraced in their joint application for patent for alleged "new and useful improvement in Combustible Gas Indicators."

Claims 2, 23, and 24 are for the apparatus; claims 28 and 29 for the method.

The subject matter is fairly illustrated by claims 2 and 28, which read:

2. Apparatus for selective testing of combustible gases with different ignition temperatures including a detector filament in an electrical circuit, means for flowing the gas to be tested over the detector filament, electrical means including a battery and a rheostat for maintaining the detector filament at a temperature sufficient to ignite the gas to be tested having one ignition temperature, and means for switching additional electrical means into the circuit to change the temperature of the detector filament when testing for a gas having a different ignition temperature.

28. The method of selectively testing the components of a mixture of inert gases, oxygen and several combustible constituents of different ignition temperature which comprises supplying said mixture to an electrically heated filament, applying to said filament successively predetermined different constant voltages to heat the filament successively to different temperatures corresponding to the ignition temperatures of said constituents, and measuring the rise in temperature of said filament caused by combustion of said constituents at each of said temperatures.

Claim 29 differs from claim 28 by, (1) calling for the electrically heated filament to be connected in a balanced circuit, and (2) for the application of predetermined constant voltages in such manner that the detector filament is heated to successively higher temperatures.

All the claims were rejected by the tribunals of the Patent Office as lacking invention over prior art, the following patents being cited as references: Philip et al., 1,224,321, May 1, 1917; Howe, 2,005,036, June 18, 1935; Morgan et al., 2,057,246, October 13, 1936.

We take the following descriptive statement from the decision of the Board:

The disclosure relates to methods and apparatus whereby one or more components in a mixture of several combustible gases of different ignition temperature may be determined. It is pointed out that some gases have much higher ignition temperature than others and that this has been broadly recognized heretofore and fractional combustion employed but that in previous methods of fractional combustion the component to be measured is first completely burned out and then quantitatively determined by the volume contraction of the sample either directly or after absorption of its products of combustion. It is disclosed that the present method makes the determination at the time the fractional combustion is occurring by measuring in a flowing sample the rate of combustion or the heat evolved by the combustion per unit time and that this is done by observing a quantity which is a definite function of that rate, that is, the temperature of a body adjacent to the combustion space, the temperature of a catalyst or the electrical resistance of a filament placed inside the combustion chamber. It is further stated in the specification that fractional combustion in the past has always been done by complicated methods and apparatus involving elaborate steps and adjustments not adapted to operation on a flowing or readily replaceable gas sample.

It is said to be applicants' general object to provide methods and apparatus for direct selective testing and quantitative determination of components in a mixture of combustible gases or vapors at the same time the combustion of the mixture is carried out at a number of different temperatures. * * *.

The brief of the Solicitor for the Patent Office describes the structure disclosed by appellants' specification substantially as follows (numerals and page references being omitted, and explanatory words inserted in brackets):

The appellants' application discloses a catalytic resistance element [referred to in claim 2 as the detector filament], which, in use is exposed to the gas to be tested, and which forms one element of a Wheatstone bridge, whose galvanometer serves to indicate changes in the resistance of the element as its temperature varies. A battery is connected across the bridge through a rheostat and a resistance element which may be short circuited by a switch. In use, the rheostat is adjusted to provide the standard voltage, and current is then caused to flow through [the detector] element, thus heating it to a predetermined temperature and causing it to ignite all components of the gas whose ignition point is below such temperature. The burning of these components changes the resistance of [the detector] element by an amount which is proportional to the percentage of such components present, and this change is indicated by the galvanometer, thus showing what percentage of the gas will ignite at or below the selected temperature. The initial temperature of [the detector] element may be varied by controlling the flow of current through it. The short circuiting of [the second stated] resistance [element] by [the] switch provides a means for varying this current and thus the switch permits the selection of either one of two predetermined temperatures.

The principal reference relied on is the patent to Philip et al. for a detector of combustible gases, which discloses an apparatus comprising resistance elements which form certain elements of a Wheatstone bridge, the elements, in use, being exposed to the gas to be tested. Those elements are heated by an electric current to ignite the gas and the combustible content is measured by a galvanometer in the same manner as in appellants' apparatus. The patent also discloses a rheostat which acts to vary the flow of the current thus regulating or affecting the temperature of the filaments.

The structural features of the other references pertinent to this controversy appear to be substantially identical with those of the Philip et al. patent.

[1] In the brief and argument for appellants before us, some emphasis is placed upon the "selective" feature appearing in the introductory clauses of all the claims except 29.

Instances in which the introductory clause of a claim may be taken as a limitation on the claim are very rare. The general rule is well known to be to the contrary (see *Deutsch et al.* v. *Ball*, 22 C. C. P. A. (Patents) 1322, 77 F.(2d) 930, 25 USPQ 470, 461 O. G. 245, and cases therein cited), and we discern no reason to justify an exception in this case.

[2] Considering first the apparatus claims as illustrated by claim 2, supra, it appears to be conceded that everything named is old in the art down to, but not including, the last clause reading "* * * means for switching additional electrical means into the circuit to change the temperature of the detector filament when testing for a gas having a different ignition temperature." The latter part of the clause is functional, it being merely a statement of the purpose of switching additional current into the circuit. The idea expressed in the quoted limitation is present in the other apparatus claims, which do not materially differ so far as actual structure is concerned from claim 2, such additions as appear being functional statements.

It is insisted that the "switching" feature is not shown in the Philip et al. patent. The switching means upon which appellants rely is the switch referred to in the statement of the Solicitor for the Patent Office quoted above, by which the second resistance element named therein may be short circuited. Appellants, in effect, insist that this switching feature is an addition to the rheostat and battery disclosed by Philip et al. and mentioned in the early part of appellants' claim 2, and that a new and important element is thus added to the prior art.

The Solicitor for the Patent Office, summarizing the concurring views of the Examiner and the Board, contends that the rheostat disclosed by Philip et al., by which the flow of the current is varied so that it affects the temperature of the filament, of itself meets the "switching" limitation designated by appellants, saying inter alia:

The Philip et al. patent does not show a means for inserting resistance other than the rheostat which is previously recited in claim 2, but this rheostat will perform the function recited and is fully equivalent to the rheostat and additional resistance 36 of the appellants. In other words, the appellants have merely divided their adjustable resistance into two parts, calling one part a rheostat and the other a "means for switching additional electrical means into the circuit," but the effect is exactly the same as that of a single rheostat. * * *.

Counsel for appellants have failed to convince us that the position thus taken by the tribunals of the Patent Office is wrong.

Appellants claim that by reason of the alleged improvements they have made possible the production of a readily portable device by which the ignition temperatures of different kinds of gases may be easily determined, as, for example, "whether combustible matter present in manhole or building atmospheres is due to leakage from gas lines or from tanks containing petroleum products," it being contended, in effect, that the prior art devices are not readily adaptable to such tests.

It may be conceded that such structural alterations or modification of the prior art as appellants have made do constitute a desirable improvement and that their device may be more conveniently applied in testing the ignition temperatures of different gases, but we can find no justification for disagreeing with the conclusion of the experts of the Patent Office to the effect that the changes do not present patentable subject matter.

The ultimate conclusion of the Examiner upon this question was clearly foreshadowed in different interlocutory statements made during the prosecution of the application, and appellants had ample opportunity to present evidence if they believed his position relative to the technical phases of the different devices to be erroneous. None was presented, and appellants relied only upon argument to overcome the findings of the Patent Office experts in that regard.

Much of what has been said relative to the apparatus claims applies with equal force to the method claims. With respect to the latter appellants' brief asserts—

* * * the core of the method lies in applying *to the detector a series of constant* voltages. This provides results not to be had by prior methods which involved applying a single constant *voltage across the bridge.* [Italics quoted.]

The brief then proceeds by comparing the method claims with the disclosures of the references (constant voltage and variation of the filament potential by reduction of resistance through the closing of appellants' switch being dwelt upon), and continues:

For these reasons we believe and assert that the Philip et al. circuit was not intended to and could not be operated according to these claims, and that the patent wholly lacks the vitalizing limitation repeatedly emphasized above.

The same thing applies to the patents to Howe and Morgan. * * *.

We are not convinced that the tribunals of the Patent Office erred in holding that appellants' presented nothing patentable over the prior art in applying "a series of constant voltages" to their "detector filament." The following from the brief of the Solicitor for the Patent Office (again summarizing the concurring view of the Examiner and the Board) appears to us apt:

Each of the references clearly contemplates that tests may be made on the same gases, as, for example the kiln gases of Howe, using different filament temperatures. Since these tests could not be made simultaneously they must necessarily be made successively; and this is all that is called for by claims 28 and 29. Whether the correlation of the results of the tests in the manner described in the application is patentable need not be considered, since claims 28 and 29 do not include this idea. These claims call broadly for steps which are fairly contemplated by the references.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RETAIL CLERKS INTERNATIONAL PROTECTIVE ASSOCIATION

No. 4,991. Decided April 9, 1945

[149 F.(2d) 153; 65 USPQ 374]

1. APPEAL—DISMISSAL AS LATE—DECISION BELOW FINAL.
   Where appellant took an appeal in a former case from the decision of the Commissioner affirming the action of the Examiner in refusing to register the mark for which it applied, but the appeal was dismissed as not having been timely filed, *Held* that that decision of the Commissioner "is final and has the same effect as though no appeal had been taken."
2. TRADE-MARKS—RES JUDICATA.
   "In our opinion the doctrine of res judicata is as applicable to the trade-mark law as it is to patent law. In the latter this doctrine was held to be applicable in this jurisdiction. *In re Barratt's Appeal*, 14 App. D. C. 255, 87 O. G. 1075; *In re Edison*, 30 App. D. C. 321, 133 O. G. 1190; *In re McKee*, 25 C. C. P. A. (Patents) 1064, 96 F.(2d) 294, 37 USPQ 532, 496 O. G. 563."
3. SAME—SAME.
   Where appellant finally was refused registration for display cards under the act of February 20, 1905, of a mark consisting of (1) two concentric circles between which are the words "Retail Clerks Union," (2) a five-pointed star within and touching the inner circle, (3) the letters R, C, I, P, A in the inner angles of the star, (4) a circle inscribed in the star, and (5) a representation of clasped hands in said inscribed circle; and appellant then applied for registration for such goods of a mark identical with said mark except that the representation of the clasped hands was omitted, *Held* that the registrability as to the goods of the latter mark was res judicata.
4. APPEAL—MATTERS NOT CONSIDERED BELOW.
   "This court has held in patent cases that it will not decide questions or rule on matters which were not first before the Board of Appeals before being presented to the court. *In re Hartung*, 28 C. C. P. A. (Patents) 1364, 121 F.(2d) 529, 50 USPQ 151, 532 O. G. 516; *Bramley et al.* v. *Beese*, 30 C. C. P. A. (Patents) 771, 132 F.(2d) 100, 56 USPQ 325, 548 O. G. 597. We think the same rule must apply in appeals from the refusal to register a trade-mark."

APPEAL from the Patent Office. Affirmed.

Mr. Lester L. Sargent for Retail Clerks International Protective Association.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant appealed from a decision of the Commissioner of Patents, 59 USPQ 99, affirming that of the Examiner of Trade-Marks denying registration under the provisions of the Trade-Mark Act of February 20, 1905, of a mark for "advertising leaflets issued from time to time" and for "display cards which are not sold but leased to local unions."

The mark was held registrable as applied to certain other goods included in appellant's application as amended.

The mark sought to be registered consists of two concentric circles between which are the words "Retail Clerks Union." Within the inner circle is a star, the five points of which touch its circumference. In the inner angles of the star appear the letters R, C, I, P, A, and inscribed in the star is another circle. The letters indicate Retail Clerks International Protective Association.

The mark is a facsimile of the badge or insignia of appellant and is applied to ornamental display cards which are cards leased by appellant to local unions for display in stores to indicate that the store employs no clerks except members of the appellant, and on advertising leaflets distributed by appellant.

The Examiner, and on appeal the Commissioner, refused registration of the mark as applied to the display cards for the reason that its registrability as to those goods was held res judicata under the Commissioner's decision in *Ex parte Retail Clerks International Protective Association*, 39 USPQ 452. In that case the mark sought to be registered was identical with that herein except that in the innermost circle there was a representation of clasped hands. That decision became final when this court dismissed an appeal therefrom as not having been timely filed. 27 C. C. P. A. (Patents) 875, 108 F.(2d) 1008, 44 USPQ 300, 516 O. G. 1055.

[1][2] Since the appeal in the former case was dismissed as having been filed after the statutory filing period expired, it is final and has the same effect as though no appeal had been taken. In our opinion the doctrine of res judicata is as applicable to the trade-mark law as it is to patent law. In the latter this doctrine was held to be applicable in this jurisdiction. *In re Barratt's Appeal*, 14 App. D. C. 255, 87 O. G. 1075; *In re Edison*, 30 App. D. C. 321, 133 O G. 1190; *In re McKee*, 25 C. C. P. A. (Patents) 1064, 96 F.(2d) 294, 37 USPQ 332, 496 O. G. 563.

[3] It is true, as stated by appellant, that the mark sought to be registered is somewhat different from that of the prior application and as it originally appeared in its present application. We think that the omission of the representation of the clasped hands from the former mark does not render the decision of the Commissioner in the prior case inapplicable to the mark herein. It is in the instant case the insignia of the appellant and is displayed on cards in the same manner as in the former case. In that case the Commissioner held that the insignia had no other significance than to indicate that the place of business in which it was displayed was serviced by the association in connection with certain labor union matters, and that as applied to the card it was not as a trade-mark for the card itself as an article of commerce. We agree with the decisions of the Patent Office that the doctrine of res judicata was properly applied here.

As to the "advertising leaflets," it is not contended by appellant that the goods were properly set forth in its application, but it urges in its brief that the court permit an amendment canceling the word "advertising."

[4] This court has held in patent cases that it will not decide questions or rule on matters which were not first before the Board of Appeals before being presented to the court. *In re Hartung*, 28 C. C. P. A. (Patents) 1364, 121 F.(2d) 529, 50 USPQ 151, 532 O. G. 516; *Bramley et al.* v. *Beese*, 30 C. C. P. A. (Patents) 771, 132 F.(2d) 100, 56 USPQ 325, 548 O. G. 597. We think the same rule must apply in appeals from the refusal to register a trade-mark.

Appellant in its appeal to the Commissioner apparently offered to amend its statement as to the description of the leaflets. In this connection the Commissioner stated that even had the description been made sufficiently clear and definite the goods were leaflets distributed by the association to advertise its own service and the use of the insignia on such leaflets would not present a proper reason for registration. In any event there is no reason of appeal challenging the refusal of the Commissioner to enter such amendment.

The decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

GOLDSMITH BROS.

v.

ATLAS SUPPLY CO.

No. 4,998. Decided April 9, 1945

[148 F.(2d) 1016; 65 USPQ 378]

1. TRADE-MARKS—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.
   Appellant having shown no use of the glycerin or alcohol to which it applies its trade-mark "Goldex" other than as pharmaceuticals, *Held* that such goods are not goods of the same descriptive properties as the automobile anti-freeze compound to which appellee applies the trade-mark "Coldex," even though it is well-known that glycerin and alcohol may be used in anti-freeze preparations for automobiles.
2. SAME—REGISTRATION—SCOPE OF REGISTRATION.
   "The pure glycerin and rubbing alcohol of appellant's registration are included with a great many other medicinal and pharmaceutical preparations, which in our opinion would restrict the scope of the registration to those substances as pharmaceuticals. In our opinion appellant's registration cannot cover glycerin or alcohol in every guise."

3. SAME—EXTENSION OF BUSINESS.
   Where it appeared that appellant does a mercantile business in New York city and operates in its store a drug department and a department for automobile accessories, and in the latter sells anti-freeze preparations, none of which, however, bears its own trade-mark; and appellant urged that in the natural or normal extension of its business it should be able to apply its mark "Goldex" to an anti-freeze preparation of its own, *Held* that "we do not think that such extension would be either natural or normal, but would be extending into an unrelated field involving different trade channels, manner of packaging and sale, and a different class of purchasers."
4. SAME—OPPOSITION—EX PARTE REJECTION—USE NOT PLEADED.
   Where the use of its mark "Goldex" on motor oil and polishing wax suitable for automobiles was not pleaded by appellant in its notice of opposition, *Held* that the Examiner of Interferences and the Commissioner properly refused to consider evidence of such use as a basis for denying registration to appellee ex parte.
5. SAME—SAME—SUFFICIENCY OF PLEADING.
   "Appellant avers that his exhibit of polishing wax should be considered for the reason that its mark applied to that substance has been registered and is mentioned in one of the registrations pleaded. That registration, however, merely sets out the number of the wax registration, together with other numbers of registrations which appellant possesses, but does not disclose what any of those registrations was for. If appellant intended to rely upon its registered mark as applied to polishing wax it should have pleaded it the same as it did others."

APPEAL from the Patent Office. Affirmed.

Messrs. Bloomberg & Bloomberg (*Mr. Edwin Levisohn* and *Mr. Harry Cohen* of counsel) for Goldsmith Bros.

Messrs. Barry & Cyr (*Mr. W. W. Nottingham* and *Mr. Robert E. Barry* of counsel) for Atlas Supply Co.

JACKSON, *J.*:

This appeal is from a decision of the Commissioner of Patents, 60 USPQ 18, affirming that of the Examiner of Interferences dismissing a notice of opposition filed by appellant to the application of appellee to register its trade-mark "Coldex," written in script, as applied to an automobile anti-freeze compound, and adjudging the mark to be registrable.

Both parties took testimony.

It appears that appellant, a corporation, does a mercantile business in the city of New York, in several diversified lines in which the mark "Goldex" is applied to many articles. It operates in its store a drug department and a department for automobile accessories. In the latter it sells anti-freeze preparations, none of which, however, bears its own trade-mark. In the notice of opposition appellant alleged it would be damaged by the registration of appellee's mark and relied on three registrations of its trade-mark. Two are for the use of the mark on chemicals, medicines and pharmaceutical preparations, and the third, on toilet preparations.

During the taking of testimony appellant introduced in evidence a can of motor oil and a can of polishing wax suitable for use on automobiles, on the labels of which appear its trade-mark. The Examiner of Interferences refused to consider such evidence for the reason that the use of the mark on those articles had not been pleaded in the notice of opposition. He also refused to consider it in an ex parte decision as to the registrability of appellee's mark.

[1][2] In one of the registrations, it appears that appellant's mark is applied to pure glycerin and rubbing alcohol, and with respect to those opposer established a prior use of his mark. Appellant contends here, as it contended below, that its glycerin and alcohol are goods of the same descriptive properties as appellees' anti-freeze compound.

We cannot agree with that contention. While it is well-known that glycerin and alcohol may be used in anti-freeze preparations for automobiles, the pure glycerin and rubbing alcohol of appellant's registration are included with a great many other medicinal and pharmaceutical preparations, which in our opinion would restrict the scope of the registration to those substances as pharmaceuticals. In our opinion appellant's registration cannot cover glycerin or alcohol in every guise.

The pure glycerin and rubbing alcohol of appellant are sold only in its drug department, and its anti-freeze preparations only in the automobile accessory department. Appellant has shown no use of glycerin or alcohol other than as pharmaceuticals. Therefore we are of opinion, as were the tribunals below, that its use of its mark on those substances is confined to them only as pharmaceuticals. In our opinion the involved goods of the parties are not of the same descriptive properties, and therefore the similarity of sound and the appearance of the marks need not be discussed.

[3] Appellant urges that in the natural or normal extension of its business it should be able to apply its mark to an anti-freeze preparation of its own. We do not think that such extension would be either natural or normal, but would be extending into an unrelated field involving different trade channels, manner of packaging and sale, and a different class of purchasers. *Pratt & Lambert, Inc.*, v. *Chapman & Rodgers, Inc.*, 30 C. C. P. A. (Patents) 1228, 136 F.(2d) 909, 58 USPQ 474, 556 O. G. 720.

Since we are of opinion that the goods are not of the same descriptive properties, we are in accord with the decisions below.

[4][5] Appellant contends that, even though the notice of opposition was dismissed, registration should have been denied ex parte. Since appellant did not plead the use of its mark on motor oil or its registration for polishing wax that might be used on automobiles, the evidence with respect thereto cannot be deemed pertinent to the issue and the Examiner of Interferences and Commissioner of Patents properly refused to consider it. Appellant avers that his exhibit of polishing wax should be considered for the reason that its mark applied to that substance has been registered and is mentioned in one of the registrations pleaded. That registration, however, merely sets out the number of the wax registration, together with other numbers of registrations which appellant possesses, but does not disclose what any of those registrations

was for. If appellant intended to rely upon its registered mark as applied to polishing wax it should have pleaded it the same as it did others.

We find no error in the decision of the Commissioner, and for that reason it is affirmed.

Affirmed.

Register of Patents Available for Licensing or Sale

Pat. 1,845,884. COLLAR STIFFENER DEVICE. Patented Feb. 16, 1932. Triangular pockets formed in each tip end of the collar and other pockets formed adjacent thereof in the shirt and two longitudinally convexo concave stiffeners of thin sheet metal, celluloid or the like for insertion into the pockets to prevent wrinkling or curling of the collar and concealed from view. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Group 23—21—24. Reg. No. 128.

Pat. 1,941,906. REFRIGERATOR. Patented Jan. 2, 1934. Provided with circular trays to rotate on antifriction tray supporting balls which also space the trays, and means to permit portions of the track sections to be detached and removed so that the trays can be tilted and withdrawn. Trays are larger than the door opening. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Groups 33—71; 35—84. Reg. No. 129.

Pat. 2,157,618. TIE CONSTRUCTION. Patented May 9, 1939. Has two flap portions adapted to be juxtaposed and a flexible closure means of the zipper type carrying a tape for securing the edges of the flaps together continuously throughout their length. The fastener can be easily opened to permit washing, cleaning and ironing and the tape provides a lining for the tie. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Groups 22—44; 23—X1. Reg. No. 130.

Pat. 1,750,180. POCKET FOR GLOVES AND THE LIKE. Patented Mar. 11, 1930. Reg. No. 131.

Pat. 1,750,181. GLOVE. Patented Mar. 11, 1930. Reg. No. 132.

Pat. 1,750,182. GLOVE. Patented Mar. 11, 1930. Reg. No. 133.

The three patents listed above relate to gloves constructed so that a pocket for change or other small articles is formed on the outside at a predetermined area in the finished glove and means for closing the pocket. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Group 23—81.

Pat. 1,750,183. GLOVE. Patented Mar. 11, 1930. Glove so constructed that a pocket for change or the like is formed at a predetermined area in the finished glove, and zipper means for closing the pocket and the glove at the same time. When glove is on the hand the pocket is concealed from view. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Group 23—81. Reg. No. 134.

Pat. 2,058,090. SHIRT COLLAR. Patented Oct. 20, 1936. Dispenses with collar points which abrade the bosom or curl upwardly; avoids any outward overlap; renders the usual shirt neckband superfluous; and provides the shirt with a free and unobstructed neck opening whereby neck abrasion is avoided and area of air circulation is increased. (Owner) Isaac Marinsky, 172½ Somerset St., Providence, R. I. Group 23—21—24. Reg. No. 135.

Pat. 1,830,039. NECKTIE HOLDER. Patented Nov. 3, 1931. A cover piece comprising a pair of yielding fabric strips with a flat elastic strip therebetween and snap fasteners which provide a substitute for the usual knot when attached to a necktie. (Owner) Walter Rosicky, 2506 Vinton Street, Omaha 9, Nebr. Groups 22—44; 23—X1. Reg. No. 136.

Pat. 2,365,522. GRAVITY-ACTUATED FIGURE TOY. Patented Dec. 19, 1944. A figure toy provided with means to shift the center of gravity so that it will move substantially straight down an incline in rocking and sliding step-by-step movements. (Owner) Owen F. Croggon, 4503 Emerson Street, Hyattsville, Md. Group 39—41. Reg. No. 137.

Pat. 2,377,100. EDUCATIONAL APPLIANCE. Patented May 29, 1945. A frame with an arrangement of rods and sleeves for teaching shape, size, color, geometrical form and three-dimensional concepts or for determining mechanical aptitude. Can also be used as a toy or amusement device. (Owner) Robert J. Patterson, 1520 Dewey Avenue, Bartlesville, Okla. Groups 25—99; 28—83; 39—91. Reg. No. 138.

Pat. 2,034,763. THERMAL TIME SWITCH. Patented Mar. 24, 1936. Permits current to remain on for a predetermined period of time, then will automatically shut off and remain shut off until the switch is again manually reset to circuit closing position. (Owner) Jacob Landau, 132 Essex Street, Jersey City 2, N. J. Groups 36—11—19; 39—93. Reg. No. 139.

Pat. 2,002,368. DIAPER PAD. Patented May 21, 1935. Comprises a layer of absorbent material which will disintegrate when wet and a slightly smaller sheet of flexible waterproof material secured together at spaced intervals by adhesive tape or the like. The saturated sheet will readily separate from the waterproof sheet for disposal without touching with hands. (Owner) Ida M. Fancher. Address correspondence to Arthur H. Van Horn, Attorney, 1137 Leader Building, Cleveland 14, Ohio. Groups 22—11—53; 23—99; 26—25—99. Reg. No. 140.

Pat. 1,774,635. ELECTRIC HEATER. Patented Sept. 2, 1930. A cylinder with a detachable housing, a heating unit, and a hollow tube with handle means extending from the cylinder and conducting means passing through the tube and handle. The cylinder can be submerged in liquids to quickly heat them. Additional heating elements may be added. (Owner) Elias V. Conklin, 71 East 101st Street, New York, N. Y. Group 36—21. Reg. No. 141.

Pat. 2,094,766. GAME APPLIANCE. Patented Oct. 5, 1937. A resilient detachable holding member fitting the free end of the shaft of a golf club adjacent the hand grip and a cord of suitable material connecting the holding member and a practice ball to limit the movement of the ball when struck. (Owner) Henry O. Costello, 91 Raymond Street, Providence 8, R. I. Groups 30—51; 39—49. Reg. No. 142.

Pat. 2,280,183. JOINT FOR NONMETALLIC PIPES AND GASKETS THEREFOR. Patented Apr. 21, 1942. Resilient material so constructed as to seal a bell and spigot type joint in nonmetallic pipe and yet permit a certain amount of relative movement between the two sections making up the joint without breaking the seal or the pipe. (Owner) Charles E. Bennett, 730 Twenty-first Avenue, Paterson, N. J. Groups 30—31; 32—54—71. Reg. No. 143.

Pat. 2,204,785. PROCESS OF AND APPARATUS FOR LINING PIPES. Patented June 18, 1940. Deposits material, preferably cementitious, uniformly along the bottom of the buried pipe and provides means to spread and distribute the material about the wall of the pipe to form a smooth lining. The characteristics of the lining will be uniform throughout. (Owner) Charles E. Bennett, 730 Twenty-first Avenue, Paterson, N. J. Groups 32—54—71; 33—12—24—93. Reg. No. 144.

Pat. 2,219,289. JOINT FOR NONMETALLIC PIPES. Patented Oct. 29, 1940. Resilient gasket so constructed as to seal a bell and spigot type joint in non-metallic pipe extensible and compressible in all directions and to permit certain amount of movement of the pipe without breaking the seal. The exposed end of the gasket may be provided with fine mesh copper cloth or with bituminous coating. (Owner) Charles E. Bennett, 730 Twenty-first Avenue, Paterson, N. J. Groups 30—31; 32—54—71. Reg. No. 145.

Des. Pat. 131,620. DESIGN FOR A JEWELRY FINDING OR SIMILAR ARTICLE. Patented Mar. 17, 1942. The representation of a rattle snake, its head being almost amputated by a large letter V, the tail of the snake depicting three dots and a dash, mounted on a plate of suitable material. (Owner) Gustave Miller, 3101 Northampton Street NW., Washington 15, D. C. Groups 34—51; 39—71. Reg. No. 146.

Pat. 2,006,525. GRIP LOCK. Patented July 2, 1935. Means, consisting of a tapered split metallic bushing, by which a stud, pin, dowel, bolt, etc., can be locked in position with respect to one or more metal plates. (Owners) Bernard Thal, assignor of one-half to David Goldman. Address correspondence to Bernard Thal, 16 Royce Road, Allston 34, Mass. Groups 33—12—91; 35—69. Reg. No. 147.

Pat. 2,017,516. DOORLATCH. Patented Oct. 15, 1935. Adapted for automobile doors. Overcomes the necessity for slamming the door and makes opening easy. (Owner) Bernard Thal, 16 Royce Road, Allston 34, Mass. Groups 24—31; 33—83; 35—59. Reg. No. 148.

Pat. 1,933,250. CARRIER BAG. Patented Oct. 31, 1933. A bag made of flexible material in various shapes with a pocket sewed to the exterior side and a single hookless slide fastener which controls access to both the bag and pocket. (Owner) Max Friedland, 1047 Leland Avenue, Chicago 40, Ill. Groups 22—95; 30—41; 39—49; 31—61—71—99. Reg. No. 149.

Pat. 1,993,135. INVERSE CAM. Patented Mar. 5, 1935. Produces intermittent reciprocating motion from revolving motion and imparts reciprocating motion to a revolving follower. Can be used with a reflex camera. (Owner) Max Friedland, 1047 Leland Avenue, Chicago 40, Ill. Group 39—12. Reg. No. 150.

Pat. 2,029,418. REFLEX SHUTTER. Patented Feb. 4, 1936. To enable photographer to focus while object moves toward or away from camera; to prevent light entering camera through viewing glass, and to prevent reflected rays from reflex surface mixing with image rays from lens. For use with reflex motion picture camera. (Owner) Max Friedland, 1047 Leland Avenue, Chicago 40, Ill. Group 39—12. Reg. No. 151.

Pat. 2,102,250. RELEASABLE WINDOW. Patented Dec. 14, 1937. For use on vehicles where windows function in conventional manner. Emergency exits are provided by removal of entire window (frame and sash) by movement of a single element. Can be removed inwardly or outwardly. (Owner) Emergency Window & Exit Devices Corporation, 50 Church Street, New York 7, N. Y. Groups 24—31; 33—83. Reg. No. 152.

Pat. 2,146,498. AUTOMATIC CIRCUIT OPENING DEVICE. Patented Feb. 7, 1939. Arrangement for operating a neon sign or the like in conjunction with a series of bulbs, lamps, or the like; means automatically opening a circuit should the neon sign fail or become overloaded, and means whereby the other unit will be maintained in operation. (Owners) William J. and John H. Bradley. Address correspondence to John H. Bradley, 601 West 112th Street, New York 25, N. Y. Groups 36—11—19; 39—93. Reg. No. 153.

Pat. 2,056,501. LOADING MACHINE. Patented Oct. 6, 1936. A rigid frame tiltable to desired angle, carried by a movable or self-propelling support; utilizing driving and driven sprockets, endless chain carried by sprockets, and an endless belt carried by brackets, all so constructed as to provide an endless conveyor for loading coal, crushed stone, and similar materials. (Owners) Charles E. Berger and Ralph C. Parkes. Address correspondence to Charles E. Berger, 1445 Tilghman Street, Allentown, Pa. Group 35—33—69. Reg. No. 154.

Pat. 2,151,388. FLOATING TAP, REAMER, AND DRILL HOLDER. Patented Mar. 21, 1939. Provided with clutch and spring means to disengage a tool which has become stuck by exerting an outward pull on the barrel of the holder. Does not interfere with normal operation and prevents breakage of tools. (Owner) Edward F. Loughlin, 698 Chalkstone Avenue, Providence, R. I. Group 35—41—43. Reg. No. 155.

Pat. 2,023,622. AIR CONDITIONING APPARATUS. Patented Dec. 10, 1935. Consists of a compact unitary machine for the conditioning of air or treatment of gases, capable of being grouped to take care of buildings of various sizes. The air to be conditioned is conducted downward through an upward spray of water, the temperature of which is automatically controlled, and through various other heating or cooling means automatically selected. (Owners) John H. Textorius and Joseph F. Broderick. Address correspondence to Joseph F. Broderick, 605 West 112th Street, New York 25, N. Y. Groups 33—62—69; 35—64—84. Reg. No. 156.

Pat. 2,342,240. CIGARETTE PACKAGE OR THE LIKE. Patented Feb. 22, 1944. Constructed in such manner that a pull on a tab portion lying flat and partially concealed will sever the revenue stamp and a portion of the top of the package simultaneously. (Owner) Leroy V. Bell, Box 96, Wakefield, R. I. Groups 21—11—21; 26—69. Reg. No. 157.

Pat. 2,252,611. PACKAGE, PACKAGE OPENER, AND STAMP CANCELER. Patented Aug. 12, 1941. For cigarettes or the like, constructed in such manner that pulling on a string will sever the revenue stamp and a portion of the top of the package simultaneously. (Owner) Leroy V. Bell, Box 96, Wakefield, R. I. Groups 21—11—21; 26—69. Reg. No. 158.

Pat. 2,168,466. LATHING. Patented Aug. 8, 1939. Comprises a plurality of groups of strips, wires spacing and connecting the strips of each group; means connecting groups in such manner as to permit alternate groups to fold in one direction and intermediate groups to fold in an opposite direction. (Owner) Leroy V. Bell, Box 96, Wakefield, R. I. Groups 24—21; 33—81. Reg. No. 159.

Pat. 2,311,737. SILENT TYPEWRITING MACHINE. Patented Feb. 23, 1943. Electrically driven, with the type grouped on a limited number of type-carrying members. These members are kept in continuous rotating movement and brought into contact with the paper at a chosen moment, leaving a rolling impression instead of usual striking effect on the paper. (Owner) Achille Colombo, 415 Central Park West, New York 25, N. Y. Group 35—72. Reg. No. 160.

Pat. 2,375,526. TYPEWRITING MACHINE. Patented May 8, 1945. Has less keys than conventional typewriter, for instance, 18, arranged in two keyboards. The printing of any desired character is obtained through the joint operation of two keys, one in each keyboard. Eliminates shift key and reduces motion of typist's hands. (Owner) Achille Colombo, 415 Central Park West, New York 25, N. Y. Group 35—72. Reg. No. 161.

Pat. 2,224,185. METHOD OF PRODUCING HIGH TENSILE STRENGTH IRON. Patented Dec. 10, 1940. Reg. No. 162.

Pat. 2,169,464. METHOD OF PRODUCING HIGH TENSILE STRENGTH IRON. Patented Aug. 15, 1939. Reg. No. 163.

The two patents listed above cover a method of making steels in composition between .90 and 2.00% carbon using cupola metal and unrefined steel mixed in a ladle prior to pouring. The end product is uniformly fine grained in the cast condition in lieu of control of the reactions occurring when these two metals unite. Used as a crankshaft, camshaft, die, connecting rod, or wherever high strengths are required. (Owner) James L. Gibney, Box 92, St. Joseph, Mich. Group 33—11—72—73.

Pat. 2,339,772. PROPELLER. Patented Jan. 25, 1944. Elongated cliplike boots of rubber or the like fitted over the leading edges of blades, and means operated by rotation of the propeller to spray liquid on the blades to prevent formation of ice. (Owner) John De Stefano, 23-11 33d Street, Astoria 5, N. Y. Group 37—22. Reg. No. 164.

Pat. 2,328,263. WINDSHIELD SAFETY GUARD. Patented Aug. 31, 1943. Device for aircraft positioned adjacent the inner face of the glass to prevent entry of foreign bodies, such as birds. Has a curtain-like flexible corrugated metal sheet slidable in channels of a frame and means to raise and wind the sheet around a corrugated roller. A knob is placed on the sheet to be grasped to lower the sheet. Can also be used for blind flying. (Owner) John De Stefano, 23—11 33d Street, Astoria 5, N. Y. Groups 33—73; 37—22. Reg. No. 165.

Pat. 2,328,305. AIRCRAFT WINDSHIELD SAFETY GUARD. Patented Aug. 31, 1943. Located adjacent inner face of the glass to prevent entry of foreign bodies, such as birds. A frame with two channels and a plurality of metal plates set edgewise are uniformly spaced and connected by two cables. Cable means and a series of rollers are provided to raise or lower the plates by turning a spool, the edges of the plates being guided in the channels. (Owner) John De Stefano, 23-11 33d Street, Astoria 5, N. Y. Groups 33—73; 37—22. Reg. No. 166.

Pat. 2,293,808. VALVE CAP LOCK. Patented Aug. 25, 1942. Device for locking the caps of pneumatic tire valves or the like wherein means are provided for frictional interlock with the cap. (Owner) John De Stefano, 23-11 33d Street, Astoria 5, N. Y. Groups 30—11; 33—73; 35—69; 38—31. Reg. No. 167.

Pat 1,741,964. AEROPLANE LANDING-GEAR ARM. Patented Dec. 31, 1929. A bracket attached to bottom of plane and having forward projecting arms and wheels, attached so that the turning movement about wheel is slightly rearwards during landing and taking off. A modified form permits the projecting arms to be slidably adjusted and the pilot may make adjustments from within plane by means of a lever. (Owner) Spiros S. Varkas, 110 W. 99th Street, New York 25, N. Y. Group 37—21—22. Reg. No. 168.

Pat. 1,812,910. PROPELLER MOUNTING FOR AEROPLANES AND THE LIKE. Patented July 7, 1931. A propeller shaft separate from the crankshaft of a motor, means for communicating all pulling and other stresses to the motor casing, and a group of spur gears for connecting the crank shaft and propeller shaft for the transmission of rotations only. The gears may be changed in size to vary the speed of plane. (Owner) Spiros S. Varkas, 110 W. 99th Street, New York 25, N. Y. Groups 35—12—66; 37—21—22; 38—31. Reg. No. 169.

Pat. 1,914,763. PROPELLER MOUNTING FOR AEROPLANES AND THE LIKE. Patented June 20, 1933. A propeller shaft separate from the crankshaft of a motor, means for communicating all pulling and other stresses to the crank case and a spur gear for connecting the crankshaft and propeller shaft for the transmission of rotation only. The propeller shaft is mounted on a part of the crank case and may be conveniently removed for repairs. (Owner) Spiros S. Varkas, 110 W. 99th Street, New York 25, N. Y. Groups 35—12—64—66; 37—21—22; 38—31. Reg. No. 170.

Pat. 1,996,532. CLUTCH OPERATING MECHANISM. Patented Apr. 2, 1935. Consists of an adjusting rod slidably mounted in a shaft, a cross head, a handle connected by bevel gears to a gear for actuating the adjusting rod which moves a key or keys into or out of clutching engagement with a gear or gears. (Owner) Spiros S. Varkas, 110 W. 99th Street, New York 25, N. Y. Group 35—66—69. Reg. No. 171.

Pat. 2,071,991. CLUTCH MECHANISM. Patented Feb. 23, 1937. Consists of a transmission casing having a drive shaft and a driven shaft, an adjusting rod in the drive shaft which actuates keys, the selection of which by a change speed link determines the speed of the drive shaft. Gears are in constant mesh. (Owner) Spiros S. Varkas, 110 W. 99th Street, New York 25, N. Y. Group 35—66—69. Reg. No. 172.

Pat. 2,347,403. APPARATUS FOR RESEATING FLUSH VALVES OR THE LIKE. Patented Apr. 25, 1944. Removes seat from valve, reams out an annular recess in supporting tube, threads recess so valve may be renovated by screwing a replaceable seat into the recess. Apparatus positions itself to thread parallel to axis of tube. (Owner of one-half interest) Esther G. Oswianza, % Kegan and Kegan, 29 S. La Salle Street, Chicago 3, Ill. Group 33—52—61. Reg. No. 173.

Patent Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER. Reason for removal: Patent has been assigned.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 14, 1945

[VOL. 577. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 483,464. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed May 16, 1945.

TALLENE

FOR TALL OIL PITCH, THE RESIDUE FROM TALL OIL DISTILLATION.

Claims use since Mar. 29, 1945.

Ser. No. 483,484. THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind. Filed May 17, 1945.

AIRLINE

FOR COAL.

Claims use since Mar. 12, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 470,751. IRENE BLAKE COSMETICS, INC., also doing business as Artfield Creations, New York, N. Y. Filed May 29, 1944.

Gabardine

FOR BRUSHLESS SHAVE CREAM AND SHAVING SOAP.

Claims use since Jan. 3, 1944.

Ser. No. 478,862. MAX N. FELKER, doing business as Felker Manufacturing Co., Torrance, Calif. Filed Jan. 22, 1945.

DI-MET

FOR ABRASIVE WHEELS AND HAND HONES CONTAINING DIAMOND AS THE ABRASIVE.

Claims use since June 1, 1942.

Ser. No. 481,405. R. S. GHISELIN, Chicago, Ill. Filed Mar. 28, 1945.

BONNY

FOR DETERGENT COMPOUND DESIGNED TO REMOVE GREASY, FATTY, AND SAPONACEOUS RESIDUE.

Claims use since Mar. 21, 1945.

Ser. No. 481,672. DUNCAN R. MACKENZIE, doing business as Duncan Mackenzie Company, New York, N. Y. Filed Apr. 3, 1945.

Janie

FOR SPOT REMOVING COMPOUND IN COMPRESSED STICK FORM.

Claims use since Dec. 22, 1944.

Ser. No. 482,070. PARFAIT, INCORPORATED, Chicago, Ill. Filed Apr. 12, 1945.

BAMBOO

FOR COSMETIC PREPARATIONS—NAMELY, TOILET, BATH, AND SHAVING SOAPS.

Claims use since Mar. 17, 1944.

Ser. No. 482,166. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 14, 1945.

"WHY NOT"

FOR TOILET SOAPS.
Claims use since Mar. 26, 1945.

CLASS 5

ADHESIVES

Ser. No. 475,496. HERBERT J. HERIBERT, New York, N. Y. Filed Oct. 19, 1944.

POLYPLEX

FOR ADHESIVES IN THE FORM OF CEMENTS, GLUES, AND PASTES FOR BONDING CORK, GLASS, LEATHER, LINOLEUM, METAL, PLASTICS, WALLBOARD, AND WOOD.
Claims use since Sept. 1, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 462,213. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed July 21, 1943.

USG

FOR OXIDES AND HYDRATES OF ALKALINE EARTHS; CALCIUM CARBONATE AND CALCIUM SULFATE.
Claims use since May 24, 1935, for lime; since Oct. 3, 1942, for calcium carbonate; and since June 8, 1942, for gypsum.

Ser. No. 468,683. PURITAN DRUG COMPANY, St. Louis, Mo. Filed Mar. 25, 1944.

Allure

FOR COSMETICS AND TOILET PREPARATIONS—NAMELY, FACE POWDER, CLEANSING CREAM, NIGHT CREAM, EXTRA RICH NIGHT CREAM, DRY SKIN MIXTURE, FACIAL MASQUE, DOUBLE WHIPPED CREAM, ROLLING MASSAGE CREAM, HAND CREAM, ALMOND LOTION, PINE BATH OIL, LIPSTICK, DRY ROUGE, SKIN FRESHENER, SPECIAL ASTRINGENT, LEG MAKE UP, SACHET POWDER, TALCUM POWDER, SKIN TONER, POWDER FOUNDATION, CASTILE SHAMPOO, EAU DE COLOGNE, CREAM DEODORANT, AND BOUQUET PERFUME.
Claims use since December 1914.

Ser. No. 469,070. JAMES B. WILLARD, doing business as Richard Mariann, Chicago, Ill. Filed Apr. 5, 1944.

LADY CONNIS

FOR FACIAL CREAMS, FACE LOTIONS, FACE POWDERS, FACE ROUGE, HAND CREAM, HAND LOTION, LIPSTICK, PERFUMES, FOOT CREAMS, FOOT POWDERS, HAIR OILS, NAIL POLISH, AND NAIL POLISH REMOVER.
Claims use since Feb. 4, 1944.

Ser. No. 469,104. H. A. ASTLETT & CO., New York, N. Y. Filed Apr. 7, 1944.

ASTLAMAR

FOR INSECTICIDES.
Claims use since December 1943.

Ser. No. 472,974. FAIRFIELD LABORATORIES, INC., Plainfield, N. J. Filed Aug. 5, 1944.



The drawing is lined for pink and blue.
FOR ANTISEPTIC AND DEODORANT PREPARATION IN POWDER FORM FOR THE TREATMENT AND PREVENTION OF DERMATITIS, PARTICULARLY IN CHILDREN.
Claims use since June 30, 1936, for mark as shown; and since January 1930 for "Dyperinse" alone.

Ser. No. 473,772. MARIO CONTESSO, doing business as Contesso Products, New York, N. Y. Filed Aug. 31, 1944.

BIO-CAL

FOR BIOLOGICAL CALCIUM FOR USE IN MEDICINES AND FOODS.
Claims use since June 15, 1944.

Ser. No. 475,164. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Oct. 10, 1944.

Prell

FOR SHAMPOO.
Claims use since Sept. 20, 1944.

Ser. No. 477,882. MAURICE HANDMAN, New York, N. Y. Filed Dec. 23, 1944.

TIMBER!

FOR AFTER SHAVE LOTIONS AND EMOLLIENTS FOR USE AFTER SHAVING, COLOGNE, FACE LOTIONS AND EMOLLIENTS, TALCUM POWDER, HAIR TONIC, SHAMPOOS, HAIR OIL, HAIRDRESSING, HAND LOTIONS, AND DEODORANTS.
Claims use since Nov. 1, 1944.

Ser. No. 478,440. VOSEMAR LIMITED, Bury, Lancashire, England. Filed Jan. 9, 1945.

VOSENE

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Claims use since Jan. 23, 1941.

Ser. No. 479,090. E. NEWBERRY CO., Los Angeles, Calif. Filed Jan. 27, 1945.

Mansion House

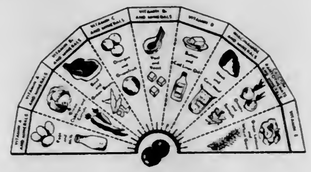
FOR TOILET PREPARATIONS—NAMELY, HAIR TONIC AND HAIR DRESSING.
Claims use since Jan. 5, 1945.

Ser. No. 479,541. EVELYN WESTALL, doing business as E. Westall Co., New York, N. Y. Filed Feb. 7, 1945.

GAY DIVERSION

FOR PERFUMERY.
Claims use since Jan. 27, 1945.

Ser. No. 480,380. PURITY DRUG CO., INC., Passaic, N. J. Filed Mar. 1, 1945.



No claim is made to any of the language or any representations of foodstuffs or other substances from which vitamins may be derived.
FOR MEDICINAL PREPARATIONS CONTAINING VITAMINS AND MINERALS.
Claims use since Feb. 14, 1945.

Ser. No. 480,468. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Mar. 3, 1945.

NOPCOGEN

FOR FATTY AMINES AND AMIDES POSSESSING CATIONIC AND SURFACE ACTIVE PROPERTIES FOR GENERAL INDUSTRIAL USE.
Claims use since Mar. 22, 1939.

Ser. No. 480,606. OAKES & CO., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR RADIATOR CLEANING COMPOUND, BRAKE FLUID, KNEE-ACTION FLUID, ANTI-FREEZE COMPOUND, INSECTICIDES, HOUSEHOLD DEODORANTS, HOUSEHOLD DISINFECTANTS, CATTLE SPRAYS, DRAIN PIPE OPENERS, DOG REPELLANT, RODENT POISONS, PLANT AND TREE SPRAYS, SOLDERING FLUID, WASHING SODA, LAUNDRY BLUING, LAUNDRY STARCH, LYE, SOLDERING PASTE, AND EGG PRESERVATIVE.
Claims use since Sept. 15, 1944.

Ser. No. 481,858. PURITY DRUG CO., INC., Passaic, N. J. Filed Apr. 7, 1945.

COR-POR-SAN

FOR HAEMATINIC TONIC.
Claims use since Jan. 2, 1935.

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FOR RADIATOR CLEANING COMPOUND, BRAKE FLUID, KNEE-ACTION FLUID, ANTI-FREEZE COMPOUND, INSECTICIDES, HOUSEHOLD DEODORANTS, HOUSEHOLD DISINFECTANTS, CATTLE SPRAYS, DRAIN PIPE OPENERS, DOG REPELLANT, RODENT POISONS, PLANT AND TREE SPRAYS, SOLDERING FLUID, WASHING SODA, LAUNDRY BLUING, LAUNDRY STARCH, LYE, SOLDERING PASTE, AND EGG PRESERVATIVE.
Claims use since Sept. 15, 1944.

Ser. No. 481,858. PURITY DRUG CO., INC., Passaic, N. J. Filed Apr. 7, 1945.

COR-POR-SAN

FOR HAEMATINIC TONIC.
Claims use since Jan. 2, 1935.

Ser. No. 482,132. IRENE BLAKE COSMETICS, INC., also doing business as Irene Blake, New York, N. Y. Filed Apr. 14, 1945.

DIVERSION

FOR PERFUME, COLOGNE AND DUSTING POWDER.
Claims use since Apr. 15, 1943.

Ser. No. 482,161. LASSIE TOILETRIES, INC., New York, N. Y. Filed Apr. 14, 1945.

Lassie

FOR TOILETRIES—NAMELY, TOILET WATER, SACHET POWDER, BATH POWDER, HAND LOTIONS, AND BUBBLE BATH PREPARATIONS.
Claims use since Mar. 23, 1945.

Ser. No. 482,195. COUNTESS MARITZA COSMETIC CO., INC., New York, N. Y. Filed Apr. 16, 1945.

SILENT NIGHT

FOR PERFUMES, EAU DE COLOGNES, TOILET WATERS, PERFUMED POWDER USED FOR CUSHIONING, BATH SALTS, ROUGES, LIPSTICKS, FACE, TALCUM AND DUSTING POWDERS, MASCARA, EYE SHADOW, FOUNDATION CREAMS, COLD CREAMS, ASTRINGENTS, HAND CREAMS AND LOTIONS, SHAMPOOS, AND EYEBROW PENCILS.
Claims use since Mar. 21, 1944.

Ser. No. 482,212. NATIONAL AGROL COMPANY, Washington, D. C. Filed Apr. 16, 1945.

CAROTENO-CHLOROPHYLL

"Chlorophyll" is disclaimed apart from the mark.
FOR MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST.
Claims use since Apr. 4, 1945.

Ser. No. 482,221. HAROLD L. RUDOW, doing business as Penacell Company, Seattle, Wash. Filed Apr. 16, 1945.

PENACELL

FOR MEDICINAL COMPOUND FOR THE SCALP.
Claims use since Mar. 6, 1945.

Ser. No. 482,434. LEONARD J. NEARY, Los Angeles, Calif. Filed Apr. 21, 1945.

NUDE

FOR HAIR REMOVER COMPOSITION.
Claims use since May 7, 1940.

Ser. No. 482,585. LUBB'L, INCORPORATED, Chicago, Ill. Filed Apr. 25, 1945.

lubb'l

FOR INTERNAL LUBRICANT USED AS AN AID IN REGULATING ELIMINATION.
Claims use since Mar. 23, 1945.

Ser. No. 482,595. E. R. SQUIBB & SONS, New York, N. Y. Filed Apr. 25, 1945.

TOPICILLIN

FOR ANTIBACTERIAL PREPARATIONS.
Claims use since Apr. 13, 1945.

Ser. No. 482,602. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Apr. 25, 1945.

ARIDASE

FOR PREPARATION IN DRY POWDER FORM FOR USE IN THE PROCESSING OF TEXTILES, SPECIFICALLY FOR THE REMOVAL OF SIZINGS FROM FABRICS.
Claims use since Mar. 14, 1945.

Ser. No. 482,779. AMERICAN STORES CO., Philadelphia, Pa. Filed Apr. 30, 1945.

VITA-LINK

The word "Vita" is disclaimed apart from the mark.
FOR VITAMIN CAPSULES.
Claims use since Apr. 19, 1945.

Ser. No. 482,841. IRRESISTIBLE, INC., New York, N. Y. Filed May 1, 1945.

ALL OF ME

FOR PERFUME.
Claims use since Apr. 13, 1945.

Ser. No. 482,842. IRRESISTIBLE, INC., New York, N. Y. Filed May 1, 1945.

B·A I T

FOR PERFUME.
Claims use since Apr. 13, 1945.

Ser. No. 482,851. MYRURGIA, S. A., Barcelona, Spain. Filed May 1, 1945.



EMBRUJO DE SEVILLA

No claim is made to the word "Sevilla" apart from the mark.
FOR PERFUMES, TOILET CREAMS, EAU DE COLOGNE, FACE LOTIONS, ROUGES, NAIL POLISHES, DENTIFRICES, FACE POWDER, MASCARA.
Claims use since December 1933.

Ser. No. 482,896. FLORENCE C. SHARPE, doing business as Quix Company, Los Angeles, Calif. Filed May 2, 1945.

Quix

FOR TABLETS THAT DISPEL BREATH ODORS FROM ALCOHOL, TOBACCO, AND FOODS.
Claims use since March 1939.

Ser. No. 482,926. FORREST INCORPORATED, New York, N. Y. Filed May 3 1945.

SERTS

FOR RECTAL SUPPOSITORY FOR THE TREATMENT OF HEMORRHOIDS.
Claims use since Apr. 30, 1945.

Ser. No. 483,345. RESEARCH PRODUCTS CORPORATION, Madison, Wis. Filed May 14, 1945.

RESEARCH

FOR GRANULAR MATERIAL FOR CHEMICALLY SOFTENING AND CONDITIONING WATER AND SILICA GEL.
Claims use since June 1943 as to silica gel; and since March 1945 as to said granular material.

Ser. No. 483,412. PACIFIC COAST BORAX COMPANY, New York, N. Y. Filed May 15, 1945.

BORASCU

FOR BORATE ORE USED FOR WEED CONTROL PURPOSES.
Claims use since Oct. 4, 1943.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 483,730. LENAR NOVELTY CO., New York, N. Y. Filed May 24, 1945.

Truly Yours

FOR CIGARETTE CASES.
Claims use since Apr. 15, 1945.

Ser. No. 483,804. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed May 26, 1945.

HALLMARK

FOR GLASS CIGARETTE BOXES AND GLASS ASH TRAYS.
Claims use since November 1914.

CLASS 10

FERTILIZERS

Ser. No. 481,478. KELLY-WESTERN SEED CO., Salt Lake City, Utah. Filed Mar. 29, 1945.

PAX
LAWN CONTROL

Applicant disclaims the words "Lawn Control" apart from the mark.
FOR COMBINATION OF SOIL CONDITIONING AND CHEMICAL INGREDIENTS ADAPTED FOR USE AS A FERTILIZER AND SOIL CONDITIONER, AND FOR REJUVENATING AND IMPROVING AND MAINTAINING OF TURF.
Claims use since Feb. 26, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 484,466. R. J. STANTON & SON, INC., Vernon, Calif. Filed June 12, 1945.

STANWALL

FOR HARD AND SOFT WOOD PANELLING.
Claims use since Apr. 17, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 479,233. HILL-SHAW COMPANY, Chicago, Ill. Filed Jan. 31, 1945.



The portrait is fanciful.
FOR PORCELAIN FILTERS FOR BEVERAGE BREWERS SUCH AS BREWERS FOR COFFEE AND TEA.
Claims use since Jan. 15, 1945.

Ser. No. 481,327. HILL-SHAW COMPANY, Chicago, Ill. Filed Mar. 26, 1945.

Vaculator

FOR FILTERS OF CLOTH AND CLOTH FILTER HOLDERS AND FILTERS MADE OF PORCELAIN FOR GLASS COFFEE BREWERS.
Claims use on cloth filters and cloth filter holders since about September 1930; and on filters made of porcelain since about March 1939.

Ser. No. 481,328. HILL-SHAW COMPANY, Chicago, Ill. Filed Mar. 26, 1945.

VACULATOR

FOR ALUMINUM AND STAINLESS STEEL UPPER BOWLS FOR VACUUM TYPE COFFEE BREWERS, AND RUBBER BUSHINGS, AND MOLDED PLASTIC HANDLES FOR VACUUM TYPE COFFEE BREWERS.
Claims use on aluminum upper bowls since about 1932; on stainless steel upper bowls since about 1938; and on rubber bushings and handles since about September 1930.

Ser. No. 482,114. PIPE COUPLINGS, INC., New York, N. Y. Filed Apr. 13, 1945.

ROUST-A-BOUT

FOR FLEXIBLE PIPE COUPLINGS.
Claims use since Apr. 5, 1945.

Ser. No. 482,260. STARLINE INC., Harvard, Ill. Filed Apr. 17, 1945.

CANNON BALL

FOR DOOR HANGERS, DOOR TRACKS, AND TRACK BRACKETS.
Claims use since October 1908.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 481,705. HEPPENSTALL COMPANY, Pittsburgh, Pa. Filed Apr. 4, 1945.

SILVERTEM

FOR STEEL FORGINGS.
Claims use since Jan. 16, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 481,472. FIDELITY CHEMICAL PRODUCTS CORP., Newark, N. J. Filed Mar. 29, 1945.

FIDELITY
X-VAR STRIPPER

The drawing is lined for green. The word "Stripper" is disclaimed apart from the mark.
FOR PREPARATIONS FOR REMOVING PAINTS, LACQUERS, ENAMELS, AND VARNISHES FROM VARIOUS SURFACES.
Claims use since Mar. 2, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 483,565. ALEX CABAN & CO., New York, N. Y. Filed May 19, 1945.

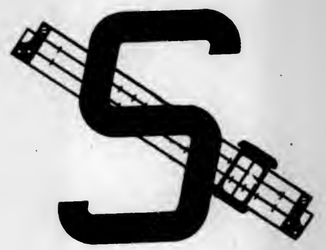
LA POPULAR

FOR CIGARS.
Claims use since Jan. 3, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 481,165. VERNON W. SHERMAN, Summit, N. J. Filed Mar. 21, 1945.



FOR ELECTRIC TIMERS, ELECTRIC HIGH FREQUENCY CONVERTERS, AND ELECTRONIC APPARATUS.
Claims use since Dec. 30, 1944.

Ser. No. 481,508. AMERICAN TELEVISION & RADIO COMPANY, St. Paul, Minn. Filed Mar. 30, 1945.

ATR

FOR ELECTRONIC, ELECTRICAL, AND MECHANICAL APPARATUS—NAMELY, INVERTERS, D. C. INTERRUPTERS OF THE VIBRATOR TYPE, POLARITY CHANGERS, A. C. INTERRUPTERS OF THE VIBRATOR TYPE, RELAYS, CHARGERS, BATTERY ELIMINATORS, VIBRATOR PACKS, RECTIFIER PACKS, SWITCHES, PLUGS, FILTERS, RADIO RECEIVING SETS, TRANSFORMERS, COILS, CONDENSERS, AND ALL PARTS THEREOF.
Claims use since Oct. 1, 1931.

Ser. No. 481,926. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn. Filed Apr. 9, 1945.

RAYMERSION

FOR ELECTRICAL APPARATUS—NAMELY, INDUSTRIAL RADIANT HEATING OVENS AND PARTS THEREOF ALL FOR ELECTRICAL USE.
Claims use since Mar. 13, 1945.

Ser. No. 483,486. NEW ENGLAND MICA CO., Waltham, Mass. Filed May 17, 1945.

Y-27

FOR HIGH TEMPERATURE RESISTING, INORGANIC BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED, OR FORMED THEREFROM.
Claims use since June 1, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 479,187. E. S. LOWE COMPANY, INC., New York, N. Y. Filed Jan. 30, 1945.

Sparks

FOR CODE WORD BUILDING GAME PLAYED WITH PLAYING PIECES.
Claims use since Dec. 15, 1944.

Ser. No. 482,814. SELVY CREATIONS, INC., New York, N. Y. Filed Apr. 30, 1945.

Uffy-kins

FOR STUFFED TOYS—NAMELY, STUFFED REPRESENTATIONS OF ANIMALS AND STUFFED REPRESENTATIONS OF HUMANS.
Claims use since March 1944.

Ser. No. 483,480. KELLOGG COMPANY, Battle Creek, Mich. Filed May 17, 1945.

Kellogg's

The mark is a facsimile of the surname, possessive case, and in the handwriting of Will K. Kellogg, chairman of the board of directors of applicant corporation.
FOR TOY RECEIVING AND TRANSMITTING APPARATUS.
Claims use since Mar. 20, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 475,656. KER-O-KIL MANUFACTURING CO., Redwood City, Calif. Filed Oct. 24, 1944.

KER-O-KIL

FOR UNITARY PORTABLE HAND-OPERATED WEED DESTROYING BURNERS AND DISINFECTING TORCHES.
Claims use since November 1933.

Ser. No. 481,660. SOLOMON BLUTRICH, doing business as M. T. Laboratories, New York, N. Y. Filed Apr. 3, 1945.

FUELRITE

FOR FUEL PUMPS AND PARTS THEREOF FOR INTERNAL COMBUSTION ENGINES.
Claims use since July 1, 1944.

Ser. No. 483,313. GENERAL MACHINERY CORPORATION, Hamilton, Ohio. Filed May 14, 1945. Under 10-year proviso as to "Niles."

NILES

FOR HYDRAULIC FORGING PRESSES, FORGING MACHINES, STEAM HAMMERS, PUNCHING AND SHEARING MACHINES, AXLE LATHES, ARCH-BAR DRILLS, AXLE-DRILLING MACHINES, BENDING AND STRAIGHTENING ROLLS, BORING AND TURNING MILLS, CAR-BOX BORERS, CAR-WHEEL BORERS, CAR-WHEEL LATHES, CORE-BORING MACHINES, CUTTING-OFF AND CENTERING MACHINES, DRIVING-WHEEL LATHES, ENGINE LATHES, FROG AND SWITCH PLANERS, GUN-BORING MACHINES, HORIZONTAL BORING, MILLING, AND DRILLING MACHINES, HORIZONTAL BORING AND DRILLING MACHINES, HYDRAULIC TRAVELING CRANES, HYDROSTATIC WHEEL PRESSES, LOCOMOTIVE-ROD-BORING MACHINES, MILLING MACHINES, MULTIPLE DRILLS, PLANING MACHINES, PLATE PLANERS, PNEUMATIC TRAVELING CRANES, QUARTERING MACHINES, RADIAL DRILLS, RAIL DRILLS, RIFLING MACHINES, SHAPERS, SLOTTERS, TIRE MILLS, TURRET LATHES, VERTICAL DRILLS.
Claims use since July 19, 1921; and since Jan. 1, 1895, for "Niles."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 470,365. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed May 18, 1944.



FOR PROTECTION GLASSES.
Claims use since May 15, 1914.

Ser. No. 474,478. CORNING GLASS WORKS, Corning, N. Y. Filed Sept. 22, 1944.



The representation of a man is fanciful.
FOR LABORATORY GLASSWARE.
Claims use since 1880.

Ser. No. 481,323. CARL F. GLADEN, Bay City, Mich. Filed Mar. 26, 1945.

G-METER

No claim is made to the word "Meter" apart from the mark.
FOR ACCELEROMETERS.
Claims use since Jan. 1, 1945.

Ser. No. 482,295. OPTICAL PRODUCTS COMPANY, New York, N. Y. Filed Apr. 18, 1945.

SUN-QUEEN

No claim is made for the word "SUN" in and apart of the mark.
FOR EYEGLASSES AND EYEGLASS MOUNTINGS OR FRAMES AND PARTS THEREOF.
Claims use since Jan. 1, 1940.

Ser. No. 482,328. THE KALART COMPANY INC., Stamford, Conn. Filed Apr. 19, 1945.

KALART

Applicant is the owner of Registration Nos. 360,029; 380,319; 383,312; and 386,657.
FOR PHOTOGRAPHIC PRODUCTS, CAMERA ACCESSORIES AND ATTACHMENTS AND PARTS THEREOF—NAMELY, RANGE FINDERS OF THE IMAGE COMPARING TYPE; LIGHT BEAM PROJECTING RANGE FINDERS; LIGHT UNITS FOR LIGHT BEAM PROJECTING RANGE FINDERS; EYE TUBES FOR RANGE FINDERS; PHOTOFLASH-SYNCHRONIZERS; REFLECTORS; BATTERY CASES FOR PHOTOFLASH BATTERIES; ADAPTERS FOR FITTING SYNCHRONIZERS TO CAMERA SHUTTERS; TESTING DEVICES FOR TESTING SYNCHRONIZATION OF SHUTTER AND PHOTOFLASH; TRIPOD MOUNTS; TRIPOD REDUCING BUSHINGS; TRIPOD SCREWS; SLIDE SHOES; LIGHT AND COLOR FILTERS FOR PHOTOGRAPHY; BRACKETS FOR BATTERY CASES FOR PHOTOFLASH BATTERIES; PARTS OF THE ABOVE ENUMERATED ARTICLES; AND CARRYING CASES FOR THE ATTACHMENTS AND ACCESSORIES.
Claims use since September 1922 on photographic products; and since 1932 on remainder of goods.

Ser. No. 483,564. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J. Filed May 19, 1945.

ATF

FOR LITHOGRAPHIC CAMERAS, PORTABLE CAMERAS AND PRECISION CAMERAS.
Claims use since Oct. 1, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 460,714. JEAN LOUIS ROEHRICH, New York, N. Y. Filed May 18, 1943.

ACCURA

FOR WATCHES AND CLOCKS.
Claims use since Jan. 4, 1943.

Ser. No. 483,360. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed May 15, 1945.

IMPERVO

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Apr. 12, 1945.

Ser. No. 483,614. JEAN R. GRAEF, INC., New York, N. Y. Filed May 21, 1945.

SPHERICHRON

FOR WATCH MOVEMENTS AND WRIST AND POCKET WATCHES.
Claims use since Feb. 20, 1945.

Ser. No. 483,822. INTERATLANTIC TRADING CORP., New York, N. Y. Filed May 26, 1945.

HORIZON

FOR WATCHES AND PARTS THEREOF.
Claims use since May 22, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 479,086. S. NATHAN & COMPANY, INC., New York, N. Y. Filed Jan. 27, 1945.



No claim is made to the representation of the label apart from the mark.
FOR SIMULATED PEARL NECKLACES.
Claims use since Nov. 15, 1944.

Ser. No. 482,741. HENRY GORDY, New York, N. Y. Filed Apr. 28, 1945.

La Bohême

FOR COSTUME JEWELRY CONTAINING PEARLS—NAMELY, NECKLACES, RINGS, PINS, AND EARRINGS.
Claims use since Mar. 10, 1945.

Ser. No. 483,606. CARL CHRISTY, Crockett, Tex. Filed May 21, 1945.

Chriscraft

FOR EAR BOBS AND GOLD WIRE JEWELRY.
Claims use since May 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 482,219. PERFECOLD INC., Los Angeles, Calif. Filed Apr. 16, 1945.

PERFECOLD

FOR ELECTRIC REFRIGERATORS.
Claims use since Feb. 23, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 476,418. WARREN SHADE COMPANY, Minneapolis, Minn. Filed Nov. 13, 1944.

IDEAL PORCH SHADE

No claim is made to the words "Porch Shade."
FOR PORCH SHADES, SPECIFICALLY PORCH SHADES MADE OF SLATS SUCH AS WOODEN SLATS.
Claims use since Nov. 1, 1913.

CLASS 33

GLASSWARE

Ser. No. 483,213. COLOSO LIMITED, Ridgefield, N. J. Filed May 11, 1945.

Coloso

FOR TABLE GLASSWARE AND COOKING GLASSWARE.
Claims use since Apr. 13, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 483,806. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed May 26, 1945.

HALLMARK

FOR GLASS CANDLESTICKS.
Claims use since November 1914.

Ser. No. 484,102. RESEARCH PRODUCTS CORPORATION, Madison, Wis. Filed June 2, 1945.

RP

FOR AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT.
Claims use since February 1945.

Ser. No. 484,195 CONSOLIDATED INDUSTRIES, INC., La Fayette, Ind. Filed June 6, 1945.

CONSOLIDATED INDUSTRIES
CONSOLIDATED

No claim is made to "Industries" except as shown.
FOR STOKERS.
Claims use since Dec. 20, 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 478,891. MUSIC CITY, Los Angeles, Calif. Filed Jan. 22, 1945.

Glenn Wallichs
MUSIC CITY

Applicant disclaims the terms "Glenn Wallichs", both occurrences, and the word "Music" apart from the mark.
FOR PHONOGRAPH RECORDS, PHONOGRAPH NEEDLES, NON-ELECTRICAL SOUND RECORDING DISCS.
Claims use since June 1, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 483,288. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y. Filed May 12, 1945.

PRISCILLA

FOR BLACK AND COLORED CRAYONS AND PENCILS AND SETS THEREOF.
Claims use since February 1922.

Ser. No. 483,365. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Filed May 15, 1945.

LITTLE MEN

FOR STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER.
Claims use since Sept. 29, 1942.

Ser. No. 483,366. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Filed May 15, 1945.

LITTLE WOMEN

FOR STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER.
Claims use since Sept. 29, 1942.

Ser. No. 483,367. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Filed May 15, 1945.

"SMALL TALK"

FOR STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER.
Claims use since Mar. 12, 1945.

Ser. No. 483,763. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Filed May 25, 1945.

Cupid

FOR STATIONERY — NAMELY, WRITING PAPER AND NOTE PAPER.
Claims use since Oct. 17, 1944.

Ser. No. 483,795. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed May 25, 1945.

SENTINEL

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Apr. 25, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,691. THE W. L. MAXSON CORPORATION, New York, N. Y. Filed Apr. 27, 1945.

Maxsonite

FOR PERIODICAL OF HOUSE ORGAN TYPE.
Claims use since May 15, 1942.

Ser. No. 483,781. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed May 25, 1945.

Calling All TEENS

FOR MAGAZINE FOR YOUNG GIRLS PUBLISHED QUARTERLY.
Claims use since Apr. 30, 1945.

Ser. No. 483,909. MCINERNEY SPRING & WIRE COMPANY, Grand Rapids, Mich. Filed May 29, 1945.

Springboard

FOR MONTHLY HOUSE ORGAN.
Claims use since February 1945.

CLASS 39

CLOTHING

Ser. No. 474,023. CARROLL HOSIERY CORP., New York, N. Y. Filed Sept. 9, 1944.

COLONIAL MAID

FOR UNDERWEAR FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS.
Claims use since Sept. 28, 1937.

Ser. No. 481,972. WULF BROS. INC., New York, N. Y. Filed Apr. 10, 1945.

BLUE MEDAL Clothes

The word "Clothes" is disclaimed apart from the mark.
FOR MEN'S AND YOUNG MEN'S COATS AND SUITS.
Claims use since September 1944.

Ser. No. 482,712. SPIEGEL, INC., Chicago, Ill. Filed Apr. 27, 1945.

Workmaster

FOR MEN'S SUITS, WORK TROUSERS, WORK COATS, AND WORK JACKETS.
Claims use since 1932.

Ser. No. 482,713. STADIUM MANUFACTURING CO., INC., Baltimore, Md. Filed Apr. 27, 1945.

COOLVINETS

FOR MEN'S, WOMEN'S, BOYS', AND CHILDREN'S PAJAMAS, SLEEPING COATS, AND OUTER SHIRTS.
Claims use since March 1939.

Ser. No. 482,738. ERGO KNITTING MILLS, Los Angeles, Calif. Filed Apr. 28, 1945.

ERGO

FOR KNITTED WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, SWEATERS, BATHING SUITS, SOCKS AND KNEE SOCKS, AND INFANTS' SWEATERS AND JACKETS.
Claims use since Apr. 13, 1945.

Ser. No. 482,981. DAVID CRYSTAL INC., New York, N. Y. Filed May 4, 1945.

HIT MAKER

FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, COVERALLS, JUMPERS.
Claims use since February 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 479,280. HARRY DIAMOND, New York, N. Y. Filed Feb. 1, 1945.

FOURLINER

FOR SHOULDER STRAPS FOR UNDERGARMENTS.
Claims use since Nov. 15, 1944.

Ser. No. 479,389. MAX KATZENSTEIN AND GERTRUDE KATZENSTEIN, New York, N. Y. Filed Feb. 3, 1945.

TREGS

FOR STOCKING REINFORCEMENTS FOR ATTACHMENT TO THE GARTER WELTS OF THE STOCKINGS FOR THE ACCOMMODATION OF GARTER CLIPS.
Claims use since June 9, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 482,655. SPINNERIN YARN CO., INC., New York, N. Y. Filed Apr. 26, 1945.

Delonair

FOR YARN.
Claims use since Apr. 9, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 472,445. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed July 21, 1944.



FOR DENTAL PLASTER OF PARIS.
Claims use since Nov. 1, 1923.

Ser. No. 483,453. THE SEAMLESS RUBBER COMPANY, New Haven, Conn. Filed May 16, 1945.

Ducky

FOR NURSING BOTTLE NIPPLES.
Claims use since Feb. 1, 1945.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 478,503. DELL PRODUCTS CORPORATION, Newark, N. J. Filed Jan. 11, 1945.



SOUR PUSS

No claim is made to the word "Sour" except as shown.
FOR FRUIT-FLAVORED NON-ALCOHOLIC SIRUPS, CONCENTRATES, AND EXTRACTS FOR BEVERAGE-MIXING PURPOSES.
Claims use since July 15, 1944.

Ser. No. 483,733. THE MOXIE COMPANY, Boston, Mass. Filed May 24, 1945. Under 10-year proviso.

MOXIE

FOR NON-ALCOHOLIC, MALTLESS CARBONATED BEVERAGE AND SIRUP FOR MAKING THE SAME.
Claims use since 1885.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 450,395. GENERAL MILLS, INC., Minneapolis, Minn. Filed Jan. 22, 1942.



FOR FEED FOR ANIMALS—NAMELY, FEED FOR SWINE, FEED FOR POULTRY, FEED FOR TURKEYS, FEED FOR CATTLE, FEED FOR HORSES, FEED FOR MULES, FEED FOR GOATS, FEED FOR FOXES, FEED FOR SHEEP, FEED FOR DOGS, FEED FOR RABBITS, MINERAL FEEDS FOR LIVESTOCK AND POULTRY.
Claims use to said feed for poultry since Mar. 15, 1940; to said feed for cattle since Mar. 19, 1940; to said mineral feeds since Mar. 19, 1940; to said feed for swine since Mar. 21, 1940; and to the remainder of said goods since Jan. 9, 1942.

Ser. No. 476,960. ESCALON PACKERS, INC., Escalon, Calif. Filed Nov. 28, 1944.

6 IN 1

FOR TOMATO PASTE.
Claims use since Oct. 10, 1944.

Ser. No. 479,116. EXETER ORCHARDS ASSOCIATION, Exeter, Calif. Filed Jan. 29, 1945.



FOR FRESH CITRUS FRUITS.
Claims use since Sept. 29, 1942.

Ser. No. 480,110. KADIEM, INCORPORATED, New York, N. Y. Filed Feb. 22, 1945.

Kadiem

HOUSE OF QUALITY

Applicant is the owner of registration Nos. 398,491 and 398,492. No claim is made to the words "House of Quality" apart from the mark.
FOR SEASONING PREPARATIONS FOR MEATS OR OTHER FOOD PRODUCTS.
Claims use since 1942.

Ser. No. 481,300. EUGENE L. TEBBETTS, doing business as Sandune Products Co., Holliston, Mass. Filed Mar. 24, 1945.

ViKo

The parallel lines are red in actual use of the mark.
FOR SALAD SPREAD.
Claims use since Mar. 19, 1945.

Ser. No. 481,813. VICTORY CAKE COMPANY, Newark, N. J. Filed Apr. 6, 1945.

Baronial

FOR FRUIT CAKE.
Claims use since Mar. 8, 1945.

Ser. No. 482,635. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Filed Apr. 26, 1945.

NESMATE

FOR CONCENTRATED MATE IN POWDER FORM.
Claims use since Apr. 10, 1945.

Ser. No. 482,754. MCDONALD AND OLLIFF, INC., Wauchula, Fla. Filed Apr. 28, 1945.

WAHOO

FOR CITRUS JUICES FOR FOOD PURPOSES AND FRESH CITRUS FRUITS.
Claims use since Apr. 19, 1945.

Ser. No. 482,833. CITRUS FOODS CO., INC., Los Angeles, Calif. Filed May 1, 1945.

Citri-Juis

No claim is made to the word "Juis" apart from the mark.
FOR FRESH FROZEN ORANGE JUICE FOR FOOD PURPOSES.
Claims use since Apr. 19, 1945.

Ser. No. 482,880. KING KONE CORPORATION, New York, N. Y. Filed May 2, 1945.

Londonshire

Applicant is the owner of Reg. Nos. 368,392 and 383,542.
FOR MELBA TOAST AND CRACKERS KNOWN AS WAFFIES.
Claims use since Apr. 17, 1945.

Ser. No. 482,882. JOE LOWE CORPORATION, New York, N. Y. Filed May 2, 1945.

ALJOLO

Applicant is the owner of Reg. Nos. 298,793; 298,794; 299,518; and 367,723.
FOR STABILIZER FOR ICE CREAM AND DAIRY PRODUCTS.
Claims use since Mar. 8, 1945.

Ser. No. 484,269. NATIONAL TOILET COMPANY, doing business as Merrit Products Company, Paris, Tenn. Filed June 7, 1945.

MERRIMAID

FOR PIE FILLING MIX, TAPIOCA DESSERT MIX, PREPARED MUSTARD, PEPPER, SHREDDED COCOANUT, COCOA, IMITATION SYRUP FLAVORINGS FOR FOODS, CHOCOLATE FLAVORED MALTED MILK, BAKING POWDER, CELERY SALT, AND ALLSPICE.
Claims use since May 28, 1945.

Ser. No. 484,701. R. J. QUARTAROLI, doing business as Stanislaus Canning Company, Modesto, Calif. Filed June 18, 1945.

Buyers Guide

FOR CANNED VEGETABLES.
Claims use since May 24, 1945.

CLASS 47

WINES

Ser. No. 479,517. IDRIS LIMITED, London, England. Filed Feb. 7, 1945.

CIDRIS

FOR CIDER DILUTED WITH AERATED WATER TO AN ALCOHOLIC CONTENT OF LESS THAN 4%.
Claims use since 1927.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 471,944. COMPANIA AGRICOLA INDARRA, S. A., Cardenas, Cuba. Filed July 6, 1944.

INDARRA

FOR RUM.
Claims use since May 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 475,964. MERGENTHALER LINOTYPE COMPANY, Brooklyn, N. Y. Filed Nov. 1, 1944.

TIMES ROMAN

The word "Roman" is disclaimed apart from the mark.
FOR MATRICES.
Claims use since Nov. 1, 1942.

Ser. No. 477,514. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Dec. 13, 1944.

PADOCOTT

FOR FIBROUS WADDING OR BATTING MADE PRINCIPALLY FROM COTTON, CELLULOSE, OR SYNTHETIC FIBERS AND USED PRINCIPALLY FOR WRAPPING, PACKING, OR PADDING.
Claims use since Apr. 30, 1940.

Ser. No. 482,456. BEACON STEEL PRODUCTS CO., Westminster, Md. Filed Apr. 23, 1945.

WESTMINSTER · MARYLAND
BEACON
BEST FOR POULTRY EQUIPMENT

Applicant disclaims all wording except "Beacon."
FOR METAL BROODERS, PORTABLE METAL CHICK FOUNTAINS, METAL POULTRY FEEDERS AND WATERERS, METAL GRIT BOXES, METAL NESTS, AND METAL ADJUSTABLE ROOF SADDLES.
Claims use since Jan. 1, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 14, 1945

415,609. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, JACKETS, COATS, REVERSIBLE COATS, AND RAINCOATS. ARROW IMPORTING COMPANY, INC., Cleveland, Ohio.
Filed June 16, 1942. Serial No. 453,689. PUBLISHED MARCH 9, 1943. Class 39.

415,610. OIL COMPOSITION FOR THE PRESERVATION AND LUBRICATION OF FIREARMS, FIREARM PARTS AND FIREARM ACCESSORIES. ALOX CORPORATION, Niagara Falls, N. Y.
Filed April 24, 1943. Serial No. 460,131. PUBLISHED JUNE 27, 1944. Class 15.

415,611. NIGHT GOWNS, PAJAMAS, SLEEP-COATS, HOUSE-COATS, AND HOSPITAL COATS. BERTICE PAULINE GARRISON, doing business as Paula Garrison, Seattle, Wash.
Filed June 22, 1943. Serial No. 461,589. PUBLISHED MARCH 14, 1944. Class 39.

415,612. PIECE GOODS MADE OF SPUN RAYON, ACETATE RAYON, COTTON FIBRES OR MIXTURES OF TWO OR MORE OF SUCH FIBRES. CHARMETTE FABRICS CO., INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,148. PUBLISHED MAY 22, 1945. Class 42.

415,613. FIBROUS COTTON HEAT AND SOUND INSULATING MATERIAL HAVING NO RUBBER CONTENTS. THE GILMAN BROTHERS CO., Gilman, Conn.
Filed January 1, 1944. Serial No. 466,257. PUBLISHED JULY 25, 1944. Class 12.

415,614. WHEAT FLOUR. OLD FASHIONED MILLERS, INCORPORATED, St. Paul, Minn.
Filed January 12, 1944. Serial No. 466,510. PUBLISHED JANUARY 23, 1945. Class 46.

415,615. CLEANING COMPOUND HAVING PREDOMINATINGLY ALKALINE AND OTHER PROPERTIES AND ADAPTED FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING USES AND HAVING INCIDENTAL DEODORIZING PROPERTIES. TROJAN PRODUCTS & MFG. CO., Chicago, Ill.
Filed January 26, 1944. Serial No. 466,905. PUBLISHED MAY 22, 1945. Class 4.

415,616. PACKS OF CARBON MATERIAL IN THE FORM OF A SHEET OR SHEETS HAVING ONE OR MORE CARBON FACES FOR USE IN PRODUCING MASTER SHEETS. UNDERWOOD ELLIOTT FISHER COMPANY, now by change of name to Underwood Corporation, New York, N. Y.
Filed March 11, 1944. Serial No. 468,212. PUBLISHED MAY 29, 1945. Class 11.

415,617. INGOTS, CASTINGS, FORGINGS, AND UNFINISHED MACHINE PARTS OF ALLOY BRONZE. AMPCO METAL, INC., Milwaukee, Wis.
Filed April 3, 1844. Serial No. 468,937. PUBLISHED MAY 29, 1945. Class 14.

415,618. CHEMICALS FOR IMPREGNATING FIBROUS PRODUCTS, SUCH AS FABRICS TO PRODUCE THEREON SOME OR ALL OF THE FOLLOWING EFFECTS—NAMELY, OF STRENGTHENING, TOUGHENING, PRESERVING, COLORING, MILDEW-PROOFING, AND OF RENDERING WEAR-RESISTANT, MOISTURE-REPELLANT AND UNPALATABLE TO RODENTS AND INSECTS. LOUIS WILLIAM SCHATZ, doing business as General Plastics Manufacturing Co., South Tacoma, Wash.
Filed May 8, 1944. Serial No. 470,044. PUBLISHED MAY 29, 1945. Class 6.

415,619. PAPER STENCILS USED IN THE PROCESS OF DIRECT IMAGE OFF-SET PLATE MAKING. GERALD KAPILOFF, Washington, D. C.
Filed May 17, 1944. Serial No. 470,338. PUBLISHED MAY 29, 1945. Class 37.

415,620. WATER SOLUBLE DENTIFRICE INGREDIENT WHICH IMPARTS CLEANSING AND FOAMING PROPERTIES TO THE DENTIFRICE. THE PEPSODENT CO., Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Filed June 1, 1944. Serial No. 470,839. PUBLISHED MAY 29, 1945. Class 6.

415,621. CIGARETTES. KO WAH LUM, San Francisco, Calif.
Filed June 10, 1944. Serial No. 471,121. PUBLISHED MAY 29, 1945. Class 17.

415,622. FERTILIZERS. THE OLD GARDENER PRODUCTS LIMITED, Vancouver, British Columbia, Canada.
Filed July 24, 1944. Serial No. 472,576. PUBLISHED MAY 29, 1945. Class 10.

415,623. LIQUID PREPARATION FOR CLEANING, POLISHING, AND PRESERVING FLOORS, VARNISHED WOODWORK, AND FURNITURE. BARRYMORE CARPET CORP., New York, N. Y.
Filed August 14, 1944. Serial No. 473,243. PUBLISHED MAY 29, 1945. Class 16.

415,624. CHEMICAL COMPOUNDS FOR REMOVING CARBON FROM INTERNAL COMBUSTION ENGINES. STANLEY H. LUNT, Freshfield, England.
Filed August 16, 1944. Serial No. 473,321. PUBLISHED MAY 22, 1945. Class 6.

415,625. COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE. ARMOUR AND COMPANY, Chicago, Ill.
Filed August 18, 1944. Serial No. 473,405. PUBLISHED MAY 29, 1945. Class 4.

415,626. BRAKE LININGS. FIBRE & METAL PRODUCTS, INC., Downey, Calif.
Filed August 29, 1944. Serial No. 473,695. PUBLISHED MAY 29, 1945. Class 35.

415,627. PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES, AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES. LUDWIG SCHERK, INC., New York, N. Y.
Filed August 30. 1944. Serial No. 473,752. PUBLISHED MAY 22. 1945. Class 6.

415,628. PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES, AND STARCH PREPARATIONS FOR LAUNDRY PURPOSES, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES. LUDWIG SCHERK, INC., New York, N. Y.
Filed August 30, 1944. Serial No. 473,753. PUBLISHED MAY 22, 1945. Class 6.

415,629. COMBINED CLEANING AND POLISHING PREPARATION FOR FLOORS. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill.
Filed September 15, 1944. Serial No. 474,226. PUBLISHED MAY 15, 1945. Class 16.

415,630. DEVICE IN THE NATURE OF A CONTAINER USED FOR VOLATILE LIQUID VAPORIZERS AND DISSEMINATORS, MADE OF SILVER. GEORGE EISNER, Phoenix, Ariz.
Filed September 18, 1944. Serial No. 474,325. PUBLISHED MAY 29, 1945. Class 28.

415,631. WATERPROOFING COMPOUNDS SUITABLE FOR ADMIXTURE WITH FILLERS, PIGMENTS, OR OTHER COLORING MATERIALS FOR USE IN SURFACE APPLICATION IN WATERPROOFING BRICK, CONCRETE, STONE AND OTHER POROUS SURFACES. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed September 22, 1944. Serial No. 474,503. PUBLISHED MAY 29, 1945. Class 16.

415,632. WATERPROOFING COMPOUNDS SUITABLE FOR ADMIXTURE WITH FILLERS, PIGMENTS OR OTHER COLORING MATERIALS FOR US[illegible] IN SURFACE APPLICATION IN WATERPR[illegible]G BRICK, CONCRETE, STONE, AND OT[illegible]O-ROUS SURFACES. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed September 22, 1944. Serial No. 474,504. PUBLISHED MAY 29, 1945. Class 16.

415,633. MEDICINAL PREPARATION FOR THE PREVENTION OF VINCENT'S ANGINA, ULCERATIVE GINGIVITIS OR PYORRHOEA, AND AS A MOUTH WASH. JAMES P. RYTHER, doing business as Anginicide Company, Warren, Ohio.
Filed September 28, 1944. Serial No. 474,710. PUBLISHED MAY 22, 1945. Class 6.

415,634. RINGS WITH STONES, RING MOUNTINGS FOR STONES, PLAIN RINGS IN GOLD, PLATINUM, PALLADIUM AND OTHER PRECIOUS METALS AND ON WATCH ATTACHMENTS IN THE NATURE OF BRACELETS AND LEATHER STRAPS ORNAMENTED WITH PRECIOUS OR SEMI-PRECIOUS METAL. M. A. MEAD AND COMPANY, Chicago, Ill.
Filed September 29, 1944. Serial No. 474,731. PUBLISHED MAY 29, 1945. Class 28.

415,635. UNFINISHED, PARTLY FINISHED AND SEMIFABRICATED FORGINGS. KROPP FORGE AVIATION CO., Chicago, Ill.
Filed October 12, 1944. Serial No. 475,256. PUBLISHED MAY 8, 1945. Class 14.

415,636. COMPOUND COMPRISING A SOFTENING AND FINISHING AGENT FOR ALL TYPES OF FABRICS. REFINED PRODUCTS COMPANY, Lyndhurst, N. J.
Filed October 18, 1944. Serial No. 475,466. PUBLISHED MAY 22, 1945. Class 6.

415,637. CANNED VEGETABLES. GEIDEL CANNERIES, INC., Adell, Wis.
Filed October 31, 1944. Serial No. 475,906. PUBLISHED MAY 29, 1945. Class 46.

415,638. ALUMINOTHERMIC COMPOSITIONS USED FOR MAKING METAL CASTINGS. METAL & THERMIT CORPORATION, New York, N. Y.
Filed November 2, 1944. Serial No. 476,026. PUBLISHED MAY 15, 1945. Class 14.

415,639. PYROPHORIC CIGAR LIGHTERS. GALTER MANUFACTURING COMPANY, Chicago, Ill.
Filed November 6, 1944. Serial No. 476,157. PUBLISHED MAY 29, 1945. Class 34.

415,640. HAIR TONIC. DANIEL E. MCCASKILL, Montgomery, Ala.
Filed November 8, 1944. Serial No. 476,256. PUBLISHED MAY 22, 1945. Class 6.

415,641. BEDS, DRESSERS, CHESTS, DRESSING TABLES, MIRRORS, NIGHT STANDS, DINING AND DINETTE TABLES, BUFFETS, SIDEBOARDS, CORNER CABINETS, CHINA CABINETS, DINING ROOM CHAIRS, SERVING TABLES, OCCASIONAL TABLES, BOOK CASES, COFFEE TABLES, UPHOLSTERED CHAIRS AND SOFAS. THE STATTON FURNITURE MANUFACTURING COMPANY, Hagerstown, Md.
Filed November 9, 1944. Serial No. 476,311. PUBLISHED MAY 29, 1945. Class 32.

415,642. PRODUCTS CONTAINING COLLOIDAL SULPHUR—NAMELY, OINTMENT, TABLETS, CAPSULES, AND LIQUID FORM. MCINERNY LABORATORY, Los Angeles, Calif.
Filed November 10, 1944. Serial No. 476,334. PUBLISHED MAY 22, 1945. Class 6.

415,643. CHEMICAL COMPOUNDS, PREPARATIONS AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. EDWARD A. BROWN, Newton Highlands, Mass.
Filed November 18, 1944. Serial No. 476,594. PUBLISHED MAY 22, 1945. Class 6.

415,644. ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; CARMINATIVE, SEDATIVE; CATHARTIC, ALTERATIVE, DIURETIC; CATHARTIC, LAXATIVE; ANTIPYRETIC, ANALGESIC, INTESTINAL ANTISEPTIC; DISINFECTANT, ASTRINGENT, ETC. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed November 23, 1944. Serial No. 476,824. PUBLISHED MAY 29, 1945. Class 6.

415,645. DIURETIC AND ANALGESIC. PIERCE'S PROPRIETARIES, INC., Buffalo, N. Y.
Filed November 25, 1944. Serial No. 476,881. PUBLISHED MAY 29, 1945. Class 6.

415,646. LEATHER, METAL, AND BOOT AND SHOE POLISHES, AND POLISHING CLOTHS IMPREGNATED WITH POLISHING MATERIALS. THE NUGGET POLISH COMPANY OF NEW YORK LIMITED, London, England.
Filed November 28, 1944. Serial No. 476,980. PUBLISHED MAY 29, 1945. Class 4.

415,647. ORNAMENTAL BRACELETS AND BRACELETS FOR WRIST WATCHES. F. & V. MANUFACTURING CO., Providence, R. I.
Filed December 6, 1944. Serial No. 477,265. PUBLISHED MAY 29, 1945. Class 28.

415,648. SCREW DRIVERS. FULLER TOOL CO., New York, N. Y.
Filed December 9, 1944. Serial No. 477,355. PUBLISHED MAY 29, 1945. Class 23.

415,649. MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST. THE NATIONAL AGROL COMPANY, Washington, D. C.
Filed December 9, 1944. Serial No. 477,364. PUBLISHED MAY 22, 1945. Class 6.

415,650. MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST. THE NATIONAL AGROL COMPANY, Washington, D. C.
Filed December 9, 1944. Serial No. 477,365. PUBLISHED MAY 22, 1945. Class 6.

415,651. PAINT FOR MODEL OR TOY RAILROAD CARS AND PARTS THEREOF. ARTHUR F. CHRISTMAN, doing business as A-C Model Company, Chicago, Ill.
Filed December 11, 1944. Serial No. 477,402. PUBLISHED MAY 15, 1945. Class 16.

415,652. LIQUID FERTILIZERS. FRED G. PHILLIPS, doing business as F. G. Phillips Company, Dedham, Mass.
Filed December 11, 1944, Serial No. 477,431. PUBLISHED MAY 29, 1945. Class 10.

415,653. STEEL BARS, STEEL PLATES, AND STEEL SHEETS. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 14, 1944. Serial No. 477,559. PUBLISHED MAY 22, 1945. Class 14.

415,654. STEEL BARS, STEEL PLATES, AND STEEL SHEETS. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 14, 1944. Serial No. 477,560. PUBLISHED MAY 22, 1945. Class 14.

415,655. HIGH CHAIRS. J. NORMAN KAHN, St. Albans, N. Y.
Filed December 16, 1944. Serial No. 477,653. PUBLISHED MAY 29, 1945. Class 32.

415,656. LIQUID COMPOSITION FOR USE AS A LUBRICANT IN THE PREPARATION OF METAL FOR DRAWING OPERATIONS. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed December 19, 1944. Serial No. 477,731. PUBLISHED MAY 22, 1945. Class 15.

415,657. HAND RUBBING COMPOUNDS, ROAD SCUM REMOVER, MACHINE POLISHING COMPOUND, SANDING COMPOUNDS, AND DEGREASING COMPOUNDS. HOWARD J. MCALEER, doing business as Formax Mfg. Company, Detroit, Mich.
Filed December 26, 1944. Serial No. 477,939. PUBLISHED MAY 29, 1945. Class 4.

415,658. LINIMENTS TO BE APPLIED EXTERNALLY FOR THE RELIEF OF MUSCULAR PAIN. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn.
Filed December 26, 1944. Serial No. 477,950. PUBLISHED MAY 22, 1945. Class 6.

415,659. LAUNDRY DETERGENT FOR WASHING TEXTILES AND FOR WASHING OTHER OBJECTS AND ARTICLES. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed December 29, 1944. Serial No. 478,038. PUBLISHED MAY 29, 1945. Class 4.

415,660. LAUNDRY DETERGENT FOR WASHING TEXTILES AND FOR WASHING OTHER OBJECTS AND ARTICLES. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed December 29, 1944. Serial No. 478,040. PUBLISHED MAY 29, 1945. Class 4.

415,661. VEGETABLE BLOOD-PURIFIER. WILLIAM S. BURKHART, doing business as Burkhart Medicine Company, Lockland, Ohio.
Filed January 1, 1945. Serial No. 478,108. PUBLISHED MAY 29, 1945. Class 6.

415,662. DOLLS. JOE GRANT AND DICK HUEMER, Glendale, Calif.
Filed January 8, 1945. Serial No. 478,381. PUBLISHED MAY 29, 1945. Class 22.

415,663. HYPNOTIC AND SEDATIVE PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed January 10, 1945. Serial No. 478,467. PUBLISHED MAY 29, 1945. Class 6.

415,664. DIETARY SUPPLEMENT CONTAINING VITAMINS, MINERALS, PROTEINS, AND CALORIES TO BE USED WITH RESTRICTED DIETS AS AN AID IN REDUCING. OXFORD PRODUCTS, INC., Cleveland, Ohio.
Filed January 11, 1945. Serial No. 478,517. PUBLISHED MAY 22, 1945. Class 6.

415,665. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. W. E. RICHARDS CO., Attleboro, Mass.
Filed January 11, 1945. Serial No. 478,519. PUBLISHED MAY 29, 1945. Class 28.

415,666. SOAP. THE BUGLER BRAND AND AGENCIES LIMITED, Vancouver, British Columbia, Canada.
Filed January 12, 1945. Serial No. 478,538. PUBLISHED MAY 29, 1945. Class 4.

415,667. HEARING AID DEVICES. OTRONICS COMPANY OF AMERICA, INC., New York, N. Y.
Filed January 16, 1945. Serial No. 478,687. PUBLISHED MAY 29, 1945. Class 44.

415,668. WHITE BRONZE ALLOY. OLDS ALLOYS CO., Southgate, Calif.
Filed January 17, 1945. Serial No. 478,720. PUBLISHED MAY 29, 1945. Class 14.

415,669. QUICK DRYING PLASTIC MATERIAL IN THE NATURE OF PAINT. RED SPOT PAINT & VARNISH CO. INC., Evansville, Ind.
Filed January 17, 1945. Serial No. 478,722. PUBLISHED MAY 15, 1945. Class 16.

415,670. PERFUME. RUTH ROSS, New York, N. Y.
Filed January 17, 1945. Serial No. 478,723. PUBLISHED MAY 22, 1945. Class 6.

415,671. CHEMICAL COMPOUNDS FOR IMPREGNATING AND COATING YARNS, FABRICS AND PAPERS FOR IMPROVING THE FEEL, APPEARANCE, AND DURABILITY THEREOF. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed January 24, 1945. Serial No. 478,980. PUBLISHED MAY 22, 1945. Class 6.

415,672. GLASSWARE—NAMELY, GOBLETS, TUMBLERS, CUPS, PLATES, BOWLS, PITCHERS, COASTERS, COMPOTES, PICKLE DISHES, CELERY DISHES, SPOON HOLDERS, SHAKERS, AND NOVELTIES, SPECIFICALLY GLASS TOOTH PICKS USED IN SERVING HORS D'OEUVRES, CANTON GLASS COMPANY, INC., Marion, Ind.
Filed January 25, 1945. Serial No. 478,987. PUBLISHED MAY 29, 1945. Class 33.

415,673. LIQUID CLEANING COMPOUND ESPECIALLY ADAPTED FOR DE-GREASING ENGINE PARTS. E. A. GERLACH COMPANY, Philadelphia, Pa.
Filed January 29, 1945. Serial No. 479,118. PUBLISHED MAY 29, 1945. Class 4.

415,674. ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES, AND THINNERS, FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y.
Filed January 30, 1945. Serial No. 479,179. PUBLISHED MAY 29, 1945. Class 11.

415,675. ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES, AND THINNERS, FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y.
Filed January 30, 1945. Serial No. 479,180. PUBLISHED MAY 29, 1945. Class 11.

415,676. ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES, AND THINNERS, FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y.
Filed January 30, 1945. Serial No. 479,181. PUBLISHED MAY 29, 1945. Class 11.

415,677. INVALIDS' BEDSIDE CABINETS, INVALIDS' STRAIGHT CHAIRS, ALLERGY PILLOWS, MEDICATED PILLOWS AND INVALIDS' MATTRESSES. E. F. MAHADY COMPANY, Boston, Mass.
Filed January 30, 1945. Serial No. 479,192. PUBLISHED MAY 29, 1945. Class 44.

415,678. LIVE MINK USED FOR BREEDING PURPOSES. SPRING LAKE MINK FARM, Racine, Wis.
Filed February 2, 1945. Serial No. 479,362. PUBLISHED MAY 29, 1945. Class 1.

415,679. CLOTHES HOLDER IN THE FORM OF A FOLDABLE WOODEN BRACKET FOR SUPPORTING GARMENTS. ODORA COMPANY, INC., New York, N. Y.
Filed February 3, 1945. Serial No. 479,397. PUBLISHED MAY 29, 1945. Class 50.

415,680. STRUCTURAL REINFORCING OR STIFFENING MATERIAL COMPRISING RESIN OR PLASTIC BONDED MULTIPLY FABRIC FOR USE IN THE MANUFACTURING OF RUBBER, PLASTIC AND/OR METAL PRODUCTS TO BE SOLD IN SHEET FORM. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Aircraft Company, Akron, Ohio.
Filed February 7, 1945. Serial No. 479,513. PUBLISHED MAY 29, 1945. Class 1.

415,681. PERFUMES. JANLEN PRODUCTS, New York, N. Y., assignor to Nardau Ltd., New York, N. Y., a corporation of New York
Filed February 7, 1945. Serial No. 479,518. PUBLISHED MAY 22, 1945. Class 6.

415,682. HYDROGEN REDUCED TUNGSTEN METAL POWDERS. PHILIP S. LASDON, doing business as Reduction and Refining Company, Newark, N. J.
Filed February 8, 1945. Serial No. 479,579. PUBLISHED MAY 15, 1945. Class 14.

415,683. SALAD DRESSING, COCKTAIL SAUCE, WORCESTERSHIRE STYLE SAUCE, AND BARBECUE SAUCE. LILLIAN A. COMPAGNO, San Francisco, Calif.
Filed February 10, 1945. Serial No. 479,664. PUBLISHED MAY 29, 1945. Class 46.

415,684. BASE MATERIAL FOR PHARMACEUTICAL AND COSMETIC CREAMS. THOMAS C. GIAIMO, doing business as Vanisorb Laboratories, Hoboken, N. J.
Filed February 10, 1945. Serial No. 479,674. PUBLISHED MAY 29, 1945. Class 6.

415,685. AROMATIC ORGANIC CHEMICAL COMPOSITION EMPLOYED EXCLUSIVELY IN REACTION WITH CHLOROPRENE TYPE SYNTHETIC ELASTOMERS, FOR PROMOTING THE STORAGE STABILITY OF THE ELASTOMER, RETARDING THE RECOVERY AFTER DEFORMATION AND PEPTIZING THE ELASTOMER. PHILIP T. GIDLEY, Fairhaven, Mass.
Filed February 12, 1945. Serial No. 479,711. PUBLISHED MAY 22, 1945. Class 6.

415,686. ROUGES. PARFUMS CIRO, INC., New York, N. Y.
Filed February 13, 1945. Serial No. 479,753. PUBLISHED MAY 22, 1945. Class 6.

415,687. LIQUID MANURE. WEST POINT LAWN PRODUCTS, West Point, Pa.
Filed February 13, 1945. Serial No. 479,761. PUBLISHED MAY 29, 1945. Class 10.

415,688. POWDERED WAX FOR DANCE FLOORS. C-Z CHEMICAL COMPANY, Beloit, Wis.
Filed February 14, 1945. Serial No. 479,769. PUBLISHED MAY 15, 1945. Class 16.

415,689. SOAP. RAY E. HULBERT, Rockaway, N. J.
Filed February 14, 1945. Serial No. 479,798. PUBLISHED MAY 29, 1945. Class 4.

415,690. MEDICINAL PREPARATION FOR THE TREATMENT OF PEDICULOSIS. WYETH INCORPORATED, Philadelphia, Pa.
Filed February 14, 1945. Serial No. 479,828. PUBLISHED MAY 22, 1945. Class 6.

415,691. PERFUMES, COLOGNES, AND SACHET. HOUSE OF MAXIME INC., Chicago, Ill.
Filed February 16, 1945. Serial No. 479,878. PUBLISHED MAY 29, 1945. Class 6.

415,692. COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed February 16, 1945. Serial No. 479,891. PUBLISHED MAY 29, 1945. Class 6.

415,693. CHEMICAL ADJUVANTS USED IN RUBBER PARTICULARLY FOR THE PRESERVATION OF RUBBER, WHETHER NATURAL OR SYNTHETIC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed February 16, 1945. Serial No. 479,892. PUBLISHED MAY 29, 1945. Class 6.

415,694. FABRICS COATED WITH WATER-PROOFING MATERIALS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 17, 1945. Serial No. 479,958. PUBLISHED MAY 29, 1945. Class 42.

415,695. WATER-REPELLENT CHEMICAL COMPOSITION SUITABLE FOR COATING AND IMPREGNATING TEXTILE FABRICS, PAPER, AND SIMILAR ARTICLES. LEO J. RAMPEL, doing business as Rampel Chemical Co., Mount Vernon, N. Y.
Filed February 19, 1945. Serial No. 479,987. PUBLISHED MAY 22, 1945. Class 6.

415,696. MATCHES. AMERICA'S OWN MATCH COMPANY, New York, N. Y.
Filed February 20, 1945. Serial No. 480,006. PUBLISHED MAY 29, 1945. Class 9.

415,697. RAYON PIECE GOODS, AND RAYON AND COTTON PIECE GOODS. GOLDENBERG FABRICS, INC., New York, N. Y.
Filed February 20, 1945. Serial No. 480,018. PUBLISHED MAY 22, 1945. Class 42.

415,698. LUBRICATING OILS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed February 21, 1945. Serial No. 480,093. PUBLISHED MAY 29, 1945. Class 15.

415,699. DOLLS. EUGENIA GARDEL, New York, N. Y.
Filed February 23, 1945. Serial No. 480,133. PUBLISHED MAY 29, 1945. Class 22.

415,700. PIECE GOODS OF RAYON AND MIXTURES OF RAYON AND COTTON. TRAUB, LYONS, OPPENHEIM, INC., New York, N. Y.
Filed February 23, 1945. Serial No. 480,149. PUBLISHED MAY 22, 1945. Class 42.

415,701. COSMETIC PREPARATION USED FOR ENLARGED PORES AND BLACK HEADS. MARIAN BIALAC, New York, N. Y.
Filed February 24, 1945. Serial No. 480,156. PUBLISHED MAY 22, 1945. Class 6.

415,702. COSMETIC PREPARATION USED AS A POWDER BASE. MARIAN BIALAC, New York, N. Y.
Filed February 24, 1945. Serial No. 480,159. PUBLISHED MAY 22, 1945. Class 6.

415,703. COSMETIC PREPARATION USED AS A NIGHT CREAM AND MAKEUP BASE. MARIAN BIALAC, New York, N. Y.
Filed February 24, 1945. Serial No. 480,160. PUBLISHED MAY 22, 1945. Class 6.

415,704. MEDICATION CONSISTING OF PURIFIED SOLUTION OF LIVER AND THIAMINE HYDROCHLORIDE FOR USE IN THE TREATMENT OF PERNICIOUS ANEMIA AND OTHER MACROCYTIC ANEMIAS. LAKESIDE LABORATORIES, INC., Milwaukee, Wis.
Filed February 28, 1945. Serial No. 480,333. PUBLISHED MAY 22, 1945. Class 6.

415,705. LAXATIVE. KATZ DRUG COMPANY, doing business as Chemtest Laboratories, Kansas City, Mo.
Filed March 8, 1945. Serial No. 480,458. PUBLISHED MAY 22, 1945. Class 6.

415,706. TELEPHONE SHELVES. SIGMUND UNTERMAN, doing business as Meridan Products Company, New York, N. Y.
Filed March 3, 1945. Serial No. 480,484. PUBLISHED MAY 29, 1945. Class 32.

415,707. SALAD DRESSING. DAVID H. LOWENSTEIN, doing business as Dressit & Co., Denver, Colo.
Filed March 5, 1945. Serial No. 480,513. PUBLISHED MAY 29, 1945. Class 46.

415,708. EAU DE COLOGNE. THE MCCAMBRIDGE AND MCCAMBRIDGE CO., doing business as Fashionel Co., Baltimore, Md.
Filed March 6, 1945. Serial No. 480,546. PUBLISHED MAY 29, 1945. Class 6.

415,709. FLUID DRIVE COUPLINGS. AMERICAN BLOWER CORPORATION, Detroit, Mich.
Filed March 8, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 480,640. PUBLISHED MAY 29, 1945. Class 23.

415,710. TOY STUFFED ANIMALS, DOLLS, TOY WHISTLES, TOY PAINTED BALLS AND MECHANICAL TOYS. KARAVAN TRADING COMPANY, New York, N. Y.
Filed March 8, 1945. Serial No. 480,660. PUBLISHED MAY 29, 1945. Class 22.

415,711. LIQUID BLEACH USED FOR LAUNDRY PURPOSES. H. KOHNSTAMM & CO. INC., New York, N. Y.
Filed March 8, 1945. Serial No. 480,665. PUBLISHED MAY 22, 1945. Class 6.

415,712. MEDICINAL PREPARATION FOR TOPICAL, DEEP WOUND OR BODY CAVITY APPLICATION CONTAINING A SULFONAMIDE AND A PEROXIDE. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed March 10, 1945. Serial No. 480,809. PUBLISHED MAY 29, 1945. Class 6.

415,713. LIQUID HAIR DRESSING COMPOSITION. BEN KLEIN, Santa Monica, Calif.
Filed March 13, 1945. Serial No. 480,869. PUBLISHED MAY 29, 1945. Class 6.

415,714. FISHING BAIT BUCKETS. ARTHUR C. THOMAS, doing business as The Thomas Bait Can Company, Lake Geneva, Wis.
Filed March 14, 1945. Serial No. 480,932. PUBLISHED MAY 29, 1945. Class 22.

415,715. BOWLING PINS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed March 22, 1945. Serial No. 481,174. PUBLISHED MAY 29, 1945. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,716. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KAISER COMPANY, INC., Oakland, Calif. Filed Dec. 6, 1943. Serial No. 465,535.

KAISER

FOR STEEL PLATE AND STEEL INGOTS.
Claims use since Nov. 6, 1943.

415,717. (CLASS 39. CLOTHING.) AZEN-ROTHMAN CO., New York, N. Y. Filed Jan. 5, 1944. Serial No. 466,319.

PEGGY POWERS

FOR LADIES' BLOUSES.
Claims use since Oct. 1, 1943.

415,718. (CLASS 39. CLOTHING.) M. GOLLOMP & SONS, New York, N. Y. Filed Mar. 20, 1944. Serial No. 468,449.

Lily Daire

FOR MISSES' AND WOMEN'S DRESSES.
Claims use since May 15, 1943.

415,719. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) SILVERBLU MINK BREEDERS ASSOCIATION, Elkhorn, Wis., now by change of name Mutation Mink Breeders Association. Filed Apr. 12, 1944. Serial No. 469,284.

Silverblu

FOR MINK PELTS.
Claims use since Mar. 14, 1942.

415,720. (CLASS 39. CLOTHING.) SILVERBLU MINK BREEDERS ASSOCIATION, Elkhorn, Wis., now by change of name to Mutation Mink Breeders Association. Filed Apr. 12, 1944. Serial No. 469,285.

Silverblu

FOR FUR COATS.
Claims use since Jan. 1, 1943.

415,721. (CLASS 2. RECEPTACLES.) CAMBRIDGE PAPER BOX COMPANY, Cambridge, Mass. Filed Apr. 19, 1944. Serial No. 469,459.

PLASTI-FIBRE

FOR TUBES MADE OF PAPER OR OTHER CELLULOSIC MATERIAL WHICH HAVE BEEN IMPREGNATED WITH A FLUID HAVING THE CAPACITY TO HARDEN THEREAFTER WITHIN THE TUBE MATERIAL TO FORM TOUGH SUBSTANTIALLY TUBULAR BODIES FOR USE AS THE OUTER CASINGS FOR VACUUM BOTTLES.
Claims use since May 18, 1943.

415,722. (CLASS 37. PAPER AND STATIONERY.) SAN-NAP-PAK MFG. CO., INC., New York, N. Y. Filed Apr. 26, 1944. Serial No. 469,695.

THE TISSUE WITH THE DOESKIN FINISH

FOR CLEANSING TISSUE.
Claims use since March 1938.

415,723. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn. Filed Oct. 13, 1941. Serial No. 447,749.

SPATTER-SHIELD
MARQUETTE

FOR POWDER TO BE MIXED WITH WATER TO FORM A PAINT-LIKE SUBSTANCE TO COVER METAL BEING ELECTRICALLY WELDED AND TO PROTECT THE METAL FROM WELDING MATERIAL BEING DEPOSITED THEREON EXCEPT ALONG THE WELD LINE.
Claims use since Sept. 2, 1941.

415,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 22, 1941. Serial No. 449,697. The drawing is lined for green, brown, blue, and red.



FOR WHEAT FLOUR.
Claims use since Dec. 18, 1940.

415,725. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE GEORGE LAWRENCE CO., Portland, Oreg. Filed May 22, 1944. Serial No. 470,502.

GEO. LAWRENCE CO.

FOR SADDLES FOR HORSES, HEADS AND REINS, HORSE COLLARS, MARTINGALES, BRIDLES, BUCKING ROLLS, BRIEF CASES, PORTFOLIOS, AND TOILET KIT CASES.
Claims use since Jan. 1, 1910.

415,726. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE GEORGE LAWRENCE CO., Portland, Oreg. Filed May 22, 1944. Serial No. 470,503.

Lawrence

FOR SADDLES FOR HORSES, HARNESSES, HEADS AND REINS, HORSE COLLARS, MARTINGALES, BRIDLES, BUCKING ROLLS, BRIEF CASES, PORTFOLIOS, AND TOILET KIT CASES.
Claims use since Nov. 30, 1939.

415,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM F. COBB, Los Angeles and Beaumont, Calif. Filed June 2, 1944. Serial No. 470,848.

Maiden Rock

FOR FRESH DECIDUOUS FRUITS—NAMELY, FRESH CHERRIES.
Claims use since May 22, 1944.

415,728. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAY KNITTING CO., INC., New York, N. Y. Filed June 8, 1944. Serial No. 471,041.

BUGGYRUG

FOR BABY BLANKETS, SHAWLS, AND AFGHANS.
Claims use since May 24, 1944.

415,729. (CLASS 12. CONSTRUCTION MATERIALS.) GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed June 9, 1944. Serial No. 471,076.

TAPERTAB

FOR MINERAL SURFACED ASPHALT SHINGLES.
Claims use since May 24, 1944.

415,730. (CLASS 37. PAPER AND STATIONERY.) ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed July 24, 1944. Serial No. 472,543.

VERI-VISIBLE

FOR VISIBLE RECORD FILES MADE OF PAPER, CARD INDEX SYSTEMS, VISIBLE RECORD CARDS, AND INDEX CARDS.
Claims use since Mar. 14, 1944.

415,731. (CLASS 39. CLOTHING.) METROPOLITAN KNITWEAR CO., New York, N. Y. Filed Aug. 2, 1944. Serial No. 472,880.

Bonnie Bee

FOR LADIES', MISSES', AND CHILDREN'S SWEATERS, AND SWEATER ENSEMBLES.
Claims use since May 1944.

415,732. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) FLASHLIGHT COMPANY OF AMERICA, Jersey City, N. J. Filed Sept. 7, 1944. Serial No. 473,939.

Berkeley

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS.
Claims use since June 26, 1944.

415,733. (CLASS 2. RECEPTACLES.) OAKES & CO., also doing business as Tru-Test, Chicago, Ill. Filed Sept. 9, 1944. Serial No. 474,043.

KLEEN-TEST

FOR CREAM COOLING CANS, RAILROAD MILK CANS, MILK PAILS, GASOLINE CANS, AND VACUUM JARS, AND VACUUM BOTTLES.
Claims use since May 25, 1944.

415,734. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) OAKES & CO., also doing business as Tru-Test, Chicago, Ill. Filed Sept. 9, 1944. Serial No. 474,044.

KLEEN-TEST

FOR WAX AND LIQUID POLISH AND CLEANER FOR FLOORS, FURNITURE, AND AUTOMOBILES, AND OTHER PAINTED, VARNISHED, AND ENAMELED SURFACES, TIRE PAINTS, AUTOMOBILE TOUCHUP ENAMEL, READY-MIXED PAINTS, AND VARNISHES.
Claims use since May 25, 1944.

415,735. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS AND PROJECTILES.) OAKES & CO., also doing business as Tru-Test, Chicago, Ill. Filed Sept. 9, 1944. Serial No. 474,045.

KLEEN-TEST

FOR SHOTGUNS, RIFLES, AIR RIFLES, SHOTGUN SHELLS, AND RIFLE SHELLS.
Claims use since May 25, 1944.

415,736. (CLASS 15. OILS AND GREASES.) OAKES & CO., also doing business as Tru-Test, Chicago, Ill. Filed Sept. 9, 1944. Serial No. 474,046.

KLEEN-TEST

FOR LUBRICATING OILS AND GREASES, PENETRATING OIL, KEROSENE AND GASOLINE.
Claims use since May 25, 1944.

415,737. (CLASS 39. CLOTHING.) JAMISON CLASSICS, INC., New York, N. Y. Filed Oct. 31, 1944. Serial No. 475,911.

Chambray Club
DESIGNED BY
Peggy Thayer

FOR LADIES' AND MISSES' DRESSES, SLACKS, OUTER SHORTS, BLOUSES, JUMPERS, SUITS, SUNSUITS, SUN DRESSES, TENNIS DRESSES, PLAYSUITS.
Claims use since May 1944.

415,738. (CLASS 39. CLOTHING.) BEACON FROCKS INC., New York, N. Y. Filed Nov. 17, 1944. Serial No. 476,548.

Lora Lenox

FOR LADIES' DRESSES.
Claims use since July 1939.

415,739. (CLASS 39. CLOTHING.) CUTTER-CROSSETTE CO., Chicago, Ill. Filed Jan. 20, 1945. Serial No. 478,807.



The drawing is lined for green.
FOR CRAVATS, NECKTIES, MUFFLERS, AND NECKTIES AND HANDKERCHIEF SETS.
Claims use since Jan. 1, 1944.

415,740. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) METROPOLITAN WELDING FABRICATORS, INC., Long Island City, N. Y. Filed Jan. 24, 1945. Serial No. 478,971.

WELDON PRODUCTS

FOR WELDED FITTINGS FOR CONNECTING PIPES TO TANKS, OTHER PIPES, OR OTHER PARTS AND PIPE HEADERS.
Claims use since Feb. 19, 1943.

415,741. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KROMEX CORPORATION, Cleveland, Ohio. Filed February 28, 1945. Serial No. 480,326.

KAKOVER

FOR COVER AND PLATE, SOLD AS A UNIT, THE COVER BEING MADE OF BASE METAL.
Claims use since January 1940.

415,742. (CLASS 37. PAPER AND STATIONERY.) THE CROMWELL PAPER COMPANY, Chicago, Ill. Filed Mar. 3, 1945. Serial No. 480,440.

PAK-PRUF

Applicant is the owner of Reg. Nos. 366,496 and 381,369.
FOR WRAPPING PAPER.
Claims use since 1921.

415,743. (CLASS 37. PAPER AND STATIONERY.) DAVID KAHN, INC., North Bergen, N. J. Filed Mar. 14, 1945. Serial No. 480,914.



FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since May 1, 1943.

415,744. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 19, 1945. Serial No. 481,057.

BUTLER BUILT

FOR DRY CLEANING EQUIPMENT—NAMELY, GARMENT PRESSES, LAUNDRY PRESSES, DEODORIZERS, CLARIFIERS, SLEEVE FINISHERS, WASHERS, EXTRACTORS, AND TUMBLERS.
Claims use since Nov. 30, 1942.

415,745. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EVERCRETE CORPORATION, New York, N. Y. Filed Apr. 11, 1945. Serial No. 481,985.

EVERLUSTRE

FOR PAINT ENAMELS.
Claims use since December 1943.

[ACT OF FEBRUARY 20, 1905]

415,746. BOOKS PUBLISHED ANNUALLY. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill.
Filed July 27, 1940. Serial No. 434,395. PUBLISHED JUNE 5, 1945. Class 38.

415,747. BLUE CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed October 1, 1943. Serial No. 463,806. PUBLISHED DECEMBER 7, 1943. Class 46.

415,748. SURFACE COATINGS—NAMELY, PAINTS FOR COVERING OBJECTS FOR THE PURPOSE OF NEUTRALIZING ELECTRICAL WAVES AS USED IN RADAR EQUIPMENT. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed November 17, 1943. Serial No. 465,094. PUBLISHED JUNE 5, 1945. Class 21.

415,749. ROBES; LADIES' PAJAMAS; BLOUSES. MARVIN TEXTILE ASSOCIATES, INC., New York, N. Y.
Filed November 24, 1943. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 465,263. PUBLISHED JUNE 5, 1945. Class 39.

415,750. CANDY. PETER PAUL, INC., Naugatuck, Conn.
Filed January 19, 1944. Serial No. 466,705. PUBLISHED MARCH 21, 1944. Class 46.

415,751. METAL-WORKING MACHINERY—VIZ., BORING MILLS, DRILLING MACHINES, STAMPING MACHINES, AND MACHINES FOR PLANING, SLOTTING, SHAPING, PUNCHING, AND SHEARING METALS, AND PARTS OF SUCH MACHINES. DEFIANCE MACHINE WORKS, INC., Toledo Ohio.
Filed February 28, 1944. Serial No. 467,808. PUBLISHED JUNE 5, 1945. Class 23.

415,752. KNIVES—NAMELY, POCKET KNIVES, HUNTING KNIVES, AND PARING KNIVES. IMPERIAL KNIFE COMPANY, INC., Providence, R. I.
Filed March 1, 1944. Serial No. 467,889. PUBLISHED SEPTEMBER 19, 1944. Class 23.

415,753. LADIES' HANDBAGS. ALBERT R. SIMON, New York, N. Y.
Filed March 10, 1944. Serial No. 468,164. PUBLISHED JUNE 5, 1945. Class 3.

415,754. STACKS AND CHIMNEY SECTIONS. MIDLAND REFRACTORIES CORPORATION, Chicago, Ill.
Filed March 17, 1944. Serial No. 468,388. PUBLISHED JUNE 5, 1945. Class 12.

415,755. NON-ALCOHOLIC, MALTLESS BEVERAGES, AND SYRUPS, FOR MAKING SUCH BEVERAGES. THE COCA-COLA COMPANY, Wilmington, Del.
Filed March 27, 1944. Serial No. 468,708. PUBLISHED JUNE 5, 1945. Class 45.

415,756. SCREW CONVEYOR UNIT COMPRISING A HOUSING AND HOLLOW HELICAL SCREW THROUGH WHICH A COOLING LIQUID MAY BE PASSED THEREBY COOLING A HEATED MASS BEING MOVED THROUGH THE HOUSING BY THE SCREW. CARL A. RIETZ, doing business as Jos. Wagner Mfg. Co., San Francisco, Calif.
Filed April 25, 1944. Serial No. 469,653. PUBLISHED JUNE 5, 1945. Class 23.

415,757. FRESH VEGETABLES—NAMELY, FRESH CARROTS. MAJOR DISTRIBUTING COMPANY, Salinas, Calif.
Filed May 8, 1944. Serial No. 470,035. PUBLISHED SEPTEMBER 26, 1944. Class 46.

415,758. LADIES' SLIPS. THE BARBIZON CORPORATION, New York, N. Y.
Filed May 18, 1944. Serial No. 470,368. PUBLISHED JULY 25, 1944. Class 39.

415,759. LADIES' AND MISSES' HANDBAGS MADE OF LEATHER, FABRICS, PLASTICS, AND COMBINATIONS THEREOF. DAVID STAIR, INC., New York, N. Y.
Filed June 1, 1944. Serial No. 470,841. PUBLISHED AUGUST 1, 1944. Class 3.

415,760. ORANGE JUICE BEVERAGE, ORANGE CONCENTRATE AND SYRUP FOR MAKING ORANGE JUICE BEVERAGE. NEDICK'S STORES, INC., New York, N. Y.
Filed June 12, 1944. Serial No. 471,163. PUBLISHED MAY 29, 1945. Class 45.

415,761. NON-ALCOHOLIC, CONCENTRATED LIQUID PRODUCT HAVING A GENERAL USE IN MIXING ALL TYPES OF MIXED DRINKS. LONDON TWINS MIXER CO., Brooklyn, N. Y.
Filed June 19, 1944. Serial No. 471,406. PUBLISHED MAY 29, 1945. Class 45.

415,762. MISSES', JUNIORS' AND CHILDREN'S COATS. FRED S. BURACK CORPORATION, New York, N. Y.
Filed July 1, 1944. Serial No. 471,850. PUBLISHED MAY 29, 1945. Class 39.

415,763. ALE. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed July 14, 1944. Serial No. 472,251. PUBLISHED MAY 29, 1945. Class 48.

415,764. BEER. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed July 14, 1944. Serial No. 472,252. PUBLISHED MAY 29, 1945. Class 48.

415,765. BLANK AND PARTIALLY PRINTED INDEXES, INDEX CARDS, SHEETS, FORMS, INSERTS, STRIPS, LABELS, SIGNALS AND FOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed July 28, 1944. Serial No. 472,708. PUBLISHED JUNE 5, 1945. Class 37.

415,766. CARD HOLDING STANDS, DESKS AND TABLES. REMINGTON RAND INC., Buffalo, N. Y.
Filed July 28, 1944. Serial No. 472,709. PUBLISHED JUNE 5, 1945. Class 32.

415,767. BLANK PAPER SHEETS USED IN MANIFOLDING AND TRANSPARENT PAPER FOLDERS USED AS POSITION INDICATORS. REMINGTON RAND INC., Buffalo, N. Y.
Filed July 28, 1944. Serial No. 472,713. PUBLISHED JUNE 5, 1945. Class 37.

415,768. REFRACTORY BRICKS, BLOCKS AND SHAPES AND REFRACTORY CEMENT. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed August 1, 1944. Serial No. 472,803. PUBLISHED JUNE 5, 1945. Class 12.

415,769. NONALCOHOLIC, MALTLESS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME. MONROE HARRISON, Chicago, Ill., assignor to The Moxie Company, Boston, Mass., a corporation of Massachusetts.
Filed August 19, 1944. Serial No. 473,447. PUBLISHED NOVEMBER 7, 1944. Class 45.

415,770. ELECTRIC LOUD SPEAKERS AND ELECTRIC CHIME SIGNALS. NUTONE, INCORPORATED, Cincinnati, Ohio.
Filed September 1, 1944. Serial No. 473,832. PUBLISHED JUNE 5, 1945. Class 21.

415,771. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa.
Filed September 13, 1944. Serial No. 474,177. PUBLISHED JANUARY 30, 1945. Class 45.

415,772. PANCAKE FLOUR, ENRICHED FARINA, HOMINY GRITS, CAKE FLOUR AND CORN MEAL. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn., now by merger Pillsbury Mills, Inc.
Filed September 18, 1944. Serial No. 474,355. PUBLISHED JUNE 5, 1945. Class 46.

415,773. CAKE FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn., now by merger Pillsbury Mills, Inc.
Filed September 18, 1944. Serial No. 474,359. PUBLISHED JUNE 5, 1945. Class 46.

415,774. METAL BRAKE, METAL FORMING TOOLS AND METAL SHEARS. ALBERT T. O'NEIL, doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn.
Filed September 27, 1944. Serial No. 474,677. PUBLISHED JUNE 5, 1945. Class 23.

415,775. ELECTRICAL WIRES AND CABLES. MALCOLM R. WHITE, Nyack, N. Y.
Filed October 2, 1944. Serial No. 474,841. PUBLISHED DECEMBER 5, 1944. Class 21.

415,776. NURSES' AND MAIDS' UNIFORMS. MORRIS ROSENFELD, doing business as Whittenton Garment Company, Taunton, Mass.
Filed October 5, 1944. Serial No. 474,963. PUBLISHED JUNE 5, 1945. Class 39.

415,777. AIR SEPARATORS TO REMOVE MOISTURE, OBNOXIOUS GASES, DUST, OIL VAPORS, ABRASIVES, AND OTHER IMPURITIES FROM AIR STREAMS. PUROLATOR PRODUCTS, INC., Newark, N. J.
Filed October 10, 1944. Serial No. 475,165. PUBLISHED JUNE 5, 1945. Class 23.

415,778. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed October 11, 1944. Serial No. 475,194. PUBLISHED MAY 29, 1945. Class 38.

415,779. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed October 11, 1944. Serial No. 475,196. PUBLISHED MAY 29, 1945. Class 38.

415,780. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed October 11, 1944. Serial No. 475,200. PUBLISHED MAY 29, 1945. Class 38.

415,781. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR AND SPORTSWEAR—NAMELY, MEN'S AND WOMEN'S POLO SHIRTS, BOYS' AND GIRLS' SPORT SHIRTS, SPORT SHORTS, BATHING SUITS, AND BATHING TRUNKS. AUGUSTA KNITTING CORPORATION, Utica, N. Y.
Filed October 12, 1944. Serial No. 475,233. PUBLISHED JUNE 5, 1945. Class 39.

415,782. FISHERMEN'S SHEATH KNIVES, MADE OF BASE METAL. E. G. WATERMAN & COMPANY, New York, N. Y.
Filed October 28, 1944. Serial No. 475,822. PUBLISHED JUNE 5, 1945. Class 23.

415,783. DAILY NEWSPAPER. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed November 6, 1944. Serial No. 476,148. PUBLISHED JUNE 5, 1945. Class 38.

415,784. WEEKLY NEWSPAPER. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed November 6, 1944. Serial No. 476,149. PUBLISHED JUNE 5, 1945. Class 38.

415,785. PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.
Filed November 8, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 476,242. PUBLISHED JUNE 5, 1945. Class 12.

415,786. TENNIS, BADMINTON, AND SQUASH RACKETS, AND TENNIS BALLS. BANCROFT RACKET COMPANY, Pawtucket, R. I.
Filed November 11, 1944. Serial No. 476,355. PUBLISHED JUNE 5, 1945. Class 22.

415,787. ATHLETIC SUPPORTERS, SUSPENSORIES, SYRINGES (NASAL, EAR, VAGINAL AND RECTAL), RECTAL TUBES, VACCINATION SHIELDS, DENTAL FLOSS, EYE CUPS, EYE PATCHES, ETC. STUART-CHASE CO., North Bergen, N. J.
Filed November 14, 1944. Serial No. 476,449. PUBLISHED JUNE 5, 1945. Class 44.

415,788. TITLE FOR A RUNNING ARTICLE WHICH DESCRIBES ITEMS OF MERCHANDISE USEFUL AND BENEFICIAL FOR BABIES, IN THE MAGAZINE "MY BABY" WHICH IS PUBLISHED BY THE SAID SHAW PUBLICATIONS, INC. SHAW PUBLICATIONS, INC., New York, N. Y.
Filed November 15, 1944. Serial No. 476,483. PUBLISHED JUNE 5, 1945. Class 38.

415,789. CABINETS FOR WASTE SANITARY NAPKINS. TIME OIL CO., Seattle, Wash.
Filed December 9, 1944. Serial No. 477,383. PUBLISHED JUNE 5, 1945. Class 32.

415,790. CURTAINS AND PARTS THEREOF FOR AUTOMOBILES, BUSSES, AND RAILROAD CARS. EXCEL CORPORATION, Elkhart, Ind.
Filed December 13, 1944. Serial No. 477,499. PUBLISHED JUNE 5, 1945. Class 19.

415,791. OLIVES IN TIN AND GLASS. CALIFORNIA OLIVE PACKERS, INCORPORATED, Corning, Calif.
Filed January 8, 1945. Serial No. 478,375. PUBLISHED MARCH 6, 1945. Class 46.

415,792. CONSTRUCTION TOYS—NAMELY, DRILLED WOODEN BLOCKS ADAPTED TO BE JOINED IN VARIOUS FORMS BY DOWELS OR THE LIKE. SPEEDBLOK CORPORATION, Newark, N. J.
Filed January 10, 1945. Serial No. 478,477. PUBLISHED JUNE 5, 1945. Class 22.

415,793. LADIES' NIGHTGOWNS. DOVE UNDIES, New York, N. Y.
Filed January 12, 1945. Serial No. 478,543. PUBLISHED MAY 29, 1945. Class 39.

415,794. WINES. MUNSON G. SHAW CO., New York, N. Y.
Filed January 20, 1945. Serial No. 478,833. PUBLISHED MAY 29, 1945. Class 47.

415,795. DRY BATTERIES AND PRIMARY CELLS. P. R. MALLORY & CO., INC., Indianapolis, Ind.
Filed January 22, 1945. Serial No. 478,884. PUBLISHED JUNE 5, 1945. Class 21.

415,796. WINES. MUNSON G. SHAW CO., New York, N. Y.
Filed January 23, 1945. Serial No. 478,936. PUBLISHED MAY 29, 1945. Class 47.

415,797. INSTRUCTION PHAMPHLETS AND OTHER MUSICAL PUBLICATIONS. U. S. SCHOOL OF MUSIC, New York, N. Y.
Filed January 26, 1945. Serial No. 479,055. PUBLISHED JUNE 5, 1945. Class 38.

415,798. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed January 29, 1945. Serial No. 479,133. PUBLISHED JUNE 5, 1945. Class 19.

415,799. GASOLINE MOTORS. CORPORATE PRODUCTS INC., Detroit, Mich.
Filed January 30, 1945. Serial No. 479,169. PUBLISHED JUNE 5, 1945. Class 23.

415,800. LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, PLAYSUITS, AND JUMPERS. DALECREST CLASSICS, New York, N. Y.
Filed February 9, 1945. Serial No. 479,615. PUBLISHED MAY 29, 1945. Class 39.

415,801. PHOTOGRAPHIC PORTRAITS. RAY BOSSERT, Toledo, Ohio.
Filed February 10, 1945. Serial No. 479,661. PUBLISHED MAY 29, 1945. Class 38.

415,802. PREFABRICATED HOUSES, PREFABRICATED WOODEN BARRACKS, AND PREFABRICATED FARM BUILDINGS, AND STRUCTURAL PARTS THEREOF. THE PREFABRICATION ENGINEERING COMPANY, Portland, Oreg.
Filed February 12, 1945. Serial No. 479,727. PUBLISHED JUNE 5, 1945. Class 12.

415,803. LADIES' CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, ETC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed February 19, 1945. Serial No. 479,993. PUBLISHED MAY 29, 1945. Class 39.

415,804. PAPER (NOT SENSITIZED) USED FOR MAKING PRINTS. GRAPHIC ARTS CORPORATION OF OHIO, Toledo, Ohio.
Filed February 20, 1945. Serial No. 480,020. PUBLISHED JUNE 5, 1945. Class 37.

415,805. PERIODICAL PUBLICATION, CONSISTING OF EMPLOYEES' NEWS BULLETIN. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed February 21, 1945. Serial No. 480,048. PUBLISHED JUNE 5, 1945. Class 38.

415,806. MALTLESS, NON-ALCOHOLIC FLAVORS, EXTRACTS, AND CONCENTRATES FOR BEVERAGE PURPOSES. J. B. SYRUP CO., INC., New York, N. Y.
Filed February 23, 1945. Serial No. 480,135. PUBLISHED MAY 29, 1945. Class 45.

415,807. MEN'S COATS, VESTS, PANTS, OVERCOATS AND WOMEN'S OUTERCOATS, SPORT JACKETS, SUITS. FASHION PARK, INC., Rochester, N. Y.
Filed February 27, 1945. Serial No. 480,285. PUBLISHED JUNE 5, 1945. Class 39.

415,808. HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing and Reading, Pa.
Filed March 2, 1945. Serial No. 480,402. PUBLISHED MAY 29, 1945. Class 39.

415,809. LADIES' AND MISSES' COATS. HILLER BROS. & HILLER, New York, N. Y.
Filed March 2, 1945. Serial No. 480,416. PUBLISHED MAY 29, 1945. Class 39.

415,810. PERIODICAL PUBLISHED MONTHLY. MARS, INCORPORATED, Chicago, Ill.
Filed March 2, 1945. Serial No. 480,420. PUBLISHED MAY 29, 1945. Class 38.

415,811. NEWSPAPER FEATURE OR COLUMN. EMMA WATSON MATHEWS, Winchester, Ind.
Filed March 7, 1945. Serial No. 480,603. PUBLISHED JUNE 5, 1945. Class 38.

415,812. ELECTRICAL INSULATION MATERIAL COMPRISED OF PAPER LAMINATED ON ONE OR BOTH SIDES WITH NON-FIBROUS FILM. THE DOBECKMUN COMPANY, Cleveland, Ohio.
Filed March 9, 1945. Serial No. 480,695. PUBLISHED JUNE 5, 1945. Class 21.

415,813. ELECTRICAL COILS AND TRANSFORMERS. THE GRAMER COMPANY, Chicago, Ill.
Filed March 13, 1945. Serial No. 480,864. PUBLISHED JUNE 5, 1945. Class 21.

415,814. FRUIT AND NUT CONFECTION BAR. FRUIT BAR PRODUCTS CO., Los Angeles, Calif.
Filed March 15, 1945. Serial No. 480,951. PUBLISHED JUNE 5, 1945. Class 46.

415,815. PYROPHORIC, CATALYTIC, AND PILOT LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES. BEATTIE PRODUCTS, INC., New York, N. Y.
Filed March 16, 1945. Serial No. 480,976. PUBLISHED JUNE 5, 1945. Class 34.

415,816. EXTRACT OF WHEAT IN SYRUP FORM CONTAINING SOLUBLE SUGARS, DEXTRINES AND PROTEINS OF WHEAT USED AS A RAW MATERIAL IN THE BREWING OF BEER. DEHLS & STEIN, INC., Newark, N. J.
Filed March 23, 1945. Serial No. 481,217. PUBLISHED JUNE 5, 1945. Class 48.

415,817. FISHING TACKLE—NAMELY, RODS, REELS, LINES, BAITS, LURES, AND LEADERS. LEWIS W. ENHOLM, Quincy, Mass.
Filed March 27, 1945. Serial No. 481,362. PUBLISHED JUNE 5, 1945. Class 22.

415,818. BEER AND LIKE CEREAL MALT BEVERAGES. GRACE BROS. BREWING CO., Santa Rosa, Calif.
Filed March 28, 1945. Serial No. 481,408. PUBLISHED MAY 29, 1945. Class 48.

415,819. CARD GAME BASED UPON THE RULES OF BASEBALL. HOWARD E. LOVETT, doing business as Dugout, New York, N. Y.
Filed March 29, 1945. Serial No. 481,483. PUBLISHED JUNE 5, 1945. Class 22.

415,820. MINERAL WATER. J. W. WAKEFIELD, Acampo, Calif.
Filed April 7, 1945. Serial No. 481,870. PUBLISHED JUNE 5, 1945. Class 45.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

415,821. (CLASS 12. CONSTRUCTION MATERIALS.) CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill.
Filed May 24, 1943. Serial No. 460,862.

TUFCAST

FOR MOLDING OR CASTING PLASTER OF CALCINED GYPSUM.
Claims use since May 7, 1943.

415,822. (CLASS 48. MALT BEVERAGES AND LIQUORS.) GEORGE SEGAL, doing business as George Segal Company, New York, N. Y. Filed July 23, 1943. Serial No. 462,265.

BRUWHEAT

FOR WHEAT GRITS AND WHEAT MEAL FOR USE IN BREWING.
Claims use since June 1943.

415,823. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACK TURK & Co., New York, N. Y.
Filed Mar. 3, 1944. Serial No. 467,953.



FOR INFANTS' COMFORTERS IN THE NATURE OF COVERLETS.
Claims use since Feb. 15, 1944.

415,824. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CALIFORNIA HAND PRINTS, INC., Hermosa Beach, Calif. Filed Mar. 29, 1944. Serial No. 468,777.

HAWAIIAN
HAND PRINTS

CALIF. HAND PRINTS, INC.

FOR TABLE CLOTHS, LUNCHEON SETS, AND TOWELS; DRAPERY AND UPHOLSTERY FABRICS; AND PIECE GOODS OF COTTON, AND OF COTTON AND RAYON MIXTURES, ALL OF WHICH ARE HAND PRINTED.
Claims use since Feb. 15, 1944.

415,825. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR H. FELIX, Arlington, Va. Filed May 1, 1944. Serial No. 469,834.



FOR PUBLICATIONS ISSUED TO SUBSCRIBERS MONTHLY AND CONTAINING NEWS OF INVESTIGATIONS RELATING TO RADIO BROADCASTING.
Claims use since July 12, 1938.

415,826. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 15, 1944. Serial No. 470,261.

LOCK'NSERT

FOR THREAD INSERTS, NUTS, AND SCREWS.
Claims use since May 5, 1944.

415,827. (CLASS 38. PRINTS AND PUBLICATIONS.) RICHARD RIMBACH, Pittsburgh, Pa. Filed June 17, 1944. Serial No. 471,361.

CORROSION
and
MATERIAL PROTECTION

FOR A PUBLICATION CONTAINING SCIENTIFIC AND TECHNICAL INFORMATION, TREATISES AND ARTICLES INCLUDED THOSE RELATING TO CHEMISTRY, ELECTROCHEMISTRY AND METALLURGY, WHICH IS PUBLISHED FROM TIME TO TIME.
Claims use since May 15, 1944.

415,828. (CLASS 47. WINES.) HARRY ROBBINS, doing business as The Robbins Wine Co., Mount Vernon, N. Y.
Filed June 17, 1944. Serial No. 471,362.

Jericho

FOR WINES.
Claims use since Dec. 10, 1943.

415,829. (CLASS 38. PRINTS AND PUBLICATIONS.) ILLINOIS MOTOR TRUCK OPERATORS ASS'N, INC., Chicago, Ill. Filed June 19, 1944. Serial No. 471,402.

MOTORWAY TRANSPORT

FOR A PERIODICAL PUBLICATION.
Claims use since May 29, 1944.

415,830. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MANHEIM MANUFACTURING & BELTING COMPANY, Manheim, Pa.
Filed June 29, 1944. Serial No. 471,808.

VEELINK

FOR POWER TRANSMISSION BELTING.
Claims use since June 21, 1944.

415,831. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SAMUEL STEINBACH, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Filed July 21, 1944. Serial No. 472,474.

MT. ZION

FOR BRANDIES, CORDIALS, EGGNOGS, WHISKIES, RUMS, GINS, LIQUEURS, AND SLIVOVITZ.
Claims use since March 16, 1935.

415,832. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 10, 1944. Serial No. 473,152.

INDOOR CLIMATE

MERCHANDISING

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since June 1, 1944.

415,833. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) L. W. GUILD COMPANY, INC., Boston, Mass. Filed Sept. 7, 1944. Serial No. 473,941.

Rufweather

FOR PIECE GOODS OF WORSTED, COTTON, OR RAYON, OR MIXTURES THEREOF.
Claims use since November 1943.

415,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARK BROTHERS CHEWING GUM CO., Pittsburgh, Pa. Filed Nov. 28, 1944. Serial No. 476,949.

TENDERMINT

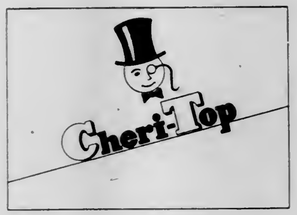
Applicant is the owner of Reg. No. 371,360.
FOR CHEWING GUM.
Claims use since July 1, 1938 with the hyphen; present form since June 15, 1944.

415,835. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOHN SHILLITO COMPANY, Cincinnati, Ohio. Filed Nov. 28, 1944. Serial No. 476,985.

DOUBLE-HEADER CURTAINS

FOR CURTAINS AND DRAPERIES.
Claims use since Nov. 1, 1942.

415,836. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHERI-TOP COMPANY, Brooklyn, N. Y. Filed Dec. 8, 1944. Serial No. 477,323.



FOR A NON-ALCOHOLIC COLA BEVERAGE SOLD AS A SOFT DRINK.
Claims use since June 1, 1944.

415,837. (CLASS 38. PRINTS AND PUBLICATIONS.) CORLEY MANUFACTURING COMPANY, Chattanooga, Tenn. Filed Jan. 13, 1945. Serial No. 478,568.

WE LUMBERMEN

The lining on the drawing is for the purpose of shading only.
FOR A MONTHLY PUBLICATION DEVOTED TO THE INTERESTS OF SAW MILL OPERATORS.
Claims use since Dec. 15, 1943.

415,838. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARNOLD CURTAIN MANUFACTURING CO., INC., Boston, Mass. Filed Feb. 22, 1945. Serial No. 480,099.



FOR CURTAINS.
Claims use since January 1944.

415,839. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed March 10, 1945. Serial No. 480,741

Columbia

FOR LACE TABLECLOTHS, LACE BEDSPREADS, LACE SCARVES, LACE NAPKINS, DOILIES, AND MATS.
Claims use since Jan. 1, 1915.

415,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed Mar. 23, 1945. Serial No. 481,211.

Columbia MANOR

FOR LACE PIECE GOODS, LACE PANELS, LACE NAPKINS, AND LACE CURTAINS, FINISHED AND IN THE PIECE.
Claims use since 1915.

415,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. KARCHER CANDY COMPANY, Little Rock, Ark. Filed Apr. 20, 1945. Serial No. 482,381.

CHOPT KERNELS

FOR CANDY.
Claims use since 1916.

415,842. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) JOSEPH A. D'ELIA, doing business as D'Elia Oil Burner Co., Bridgeport, Conn. Filed Apr. 27, 1945. Serial No. 482,673.

D'ELIA

FOR OIL BURNERS FOR ATTACHMENT TO FURNACES.
Claims use since on or about the 15th of October 1937.

415,843. (CLASS 37. PAPER AND STATIONERY.) WALGREEN CO., Chicago, Ill. Filed May 26, 1945. Serial No. 483,835.

Exquisite

FOR WRITING PAPER AND ENVELOPES.
Claims use since Oct. 15, 1943.

415,844. (CLASS 37. PAPER AND STATIONERY.) WALGREEN CO., Chicago, Ill. Filed May 26, 1945. Serial No. 483,834.

Drake

FOR WRITING PAPER AND ENVELOPES.
Claims use since Feb. 18, 1943.

TRADE-MARK REGISTRATIONS RENEWED

27,040. **"MOTHER GRAY'S" ETC. AND DRAWING.** WORM-POWDERS. Registered Sept. 3, 1895. ALLEN S. OLMSTED, Le Roy, N. Y. Re-renewed Sept. 3, 1945, to Foster-Milburn Co., Buffalo, N. Y., a corporation of New York, assignee. Class 6.

27,099. **"BATAVIA" AND DRAWING.** CORN, TOMATOES, PEAS, BEANS, BLACKBERRIES, STRAWBERRIES, RASPBERRIES, PEACHES, APPLES, PINEAPPLES, GOOSEBERRIES, CHERRIES, JELLIES, CHICKEN, AND TURKEY IN CANS OR PACKAGES. Registered Sept. 24, 1895. SPRAGUE, WARNER & Co., Chicago, Ill. Re-renewed Sept. 24, 1945, to Sprague Warner-Kenny Corporation, Baltimore, Md., and Chicago, Ill., a corporation of Maryland, successor. Class 46.

44,780. **OSOFINE.** DRIED FRUITS AND DRIED BERRIES. Registered July 25, 1905. R. C. WILLIAMS & Co. Re-renewed July 25, 1945, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 46.

45,025. **"RED FOX" AND DRAWING.** DRIED FRUITS AND DRIED BERRIES. Registered Aug. 1, 1905. R. C. WILLIAMS & Co. Re-renewed Aug. 1, 1945, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 46.

45,143. **CN.** DISINFECTANTS. Registered Aug. 8, 1905. WEST DISINFECTING COMPANY, New York, N. Y. Re-renewed Aug. 8, 1945, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Class 6.

45,209. **JLC.** HEADACHE, FEVER, AND PAIN POWDER. Registered Aug. 8, 1905. J. LEE CRUCE Co. Re-renewed Aug. 8, 1945, to Swamp and Dixie Laboratories, Inc., Fort Smith, Ark., a corporation of Arkansas, successor. Class 6.

45,373. **PICTORIAL REPRESENTATION OF A WOMAN AND A CHILD IN A ROOM.** ANTISEPTIC HEALING-OIL. Registered Aug. 15, 1905. PARIS MEDICINE CO., St. Louis, Mo. Re-renewed Aug. 15, 1945, to The Grove Laboratories, Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.

45,463. **VALDIVIESO & CO. STAG BRAND ETC. AND DRAWING.** MOLASSES. Registered Aug. 22, 1905. THE EASTERN REFINING CO. Re-renewed Aug. 22, 1945, to American Molasses Company, New York, N. Y., a corporation of New York, successor. Class 46.

45,690. **"THE F. & M. SCHAEFER BREWING CO." ETC. AND DRAWING.** LAGER-BEER. Registered Aug. 29, 1905. THE F. & M. SCHAEFER BREWING CO., New York, N. Y. Re-renewed Aug. 29, 1945, to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y., a corporation of New York. Class 48.

45,691. **"H" ETC.** LIVER PILLS. Registered Aug. 29, 1905. DR. TUTT MFG. CO. Re-renewed Aug. 29, 1945, to Mabel Emmons Good, trustee, doing business as Dr. Tutt Company, New York, N. Y., assignee by mesne assignments. Class 6.

46,084. **"CHASE GOAT BRAND" AND DRAWING.** MOHAIR PLUSH FOR CAR, FURNITURE, AND DRAPERY PURPOSES. Registered Sept. 5, 1905. L. C. CHASE & Co., Boston, Mass. Re-renewed Sept. 5, 1945, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine, assignee by mesne assignments. Class 42.

46,109. **REPRESENTATION OF AN EAGLE AND BAG.** BAGS. Registered Sept. 5, 1905. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Re-renewed Sept. 5, 1945. Class 2.

46,110. **SHUREDRY.** WATERPROOF CLOTH. Registered Sept. 5, 1905. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Re-renewed Sept. 5, 1945. Class 42.

46,144. **RUBIFOAM.** DENTIFRICES. Registered Sept. 5, 1905. FREEMAN B. SHEDD, doing business as E. W. Hoyt & Co. Re-renewed Sept. 5, 1945, to Mary E. Sargent, doing business as E. W. Hoyt & Co., Lowell, Mass., successor. Class 6.

46,159. **UNGUENTINE.** OINTMENTS AND PREPARATIONS EMPLOYING OILS, BUTTERS, GLYCERIN, AND OTHER VISCOUS OR JELLY-LIKE SUBSTANCES AS VEHICLES SUITABLE FOR EXTERNAL AND INTRA-ORIFICIAL APPLICATIONS, AS BY MEANS OF VAGINAL PESSARIES, URETHRAL CRAYONS, INTRA-UTERINE PENCILS, NASAL WAFERS, RECTAL CONES, MEDICATED GAUZE, AND NOSE AND THROAT SPRAYS. Registered Sept. 5, 1905. THE NORWICH PHARMACAL COMPANY, New York, N. Y. Re-renewed Sept. 5, 1945, to The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Class 6.

46,210. **REPRESENTATION OF THE BUST OF AN INDIAN.** SILK AND SATIN PIECE GOODS, INCLUDING LINING SILKS AND SATINS, COTTON-BACKED SILKS AND SATINS, SERGES, AND MERVEILLEUX. Registered Sept. 12, 1905. WILLIAM SKINNER MANUFACTURING Co., Holyoke, Mass. Re-renewed Sept. 12, 1945, to William Skinner & Sons, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts, assignee. Class 42.

46,221. **"REMCO" AND DESIGN.** DOOR FASTENERS, CHECKS, LOCKS, LATCHES, AND PARTS THEREOF. Registered Sept. 12, 1905. RUSSELL & ERWIN MANUFACTURING COMPANY. Re-renewed Sept. 12, 1945, to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut, assignee. Class 25.

46,234. **DUPLEX.** SAFETY-PINS. Registered Sept. 12, 1905. CONSOLIDATED SAFETY PIN COMPANY, Bloomfield, N. J. Re-renewed Sept. 12, 1945, to The Risdon Manufacturing Company, Naugatuck, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 40.

46,246. **"ROYAL SCARLET" AND DRAWING.** FRUITS AND VEGETABLES HERMETICALLY SEALED IN TINS AND GLASS. Registered Sept. 12, 1905. R. C. WILLIAMS & Co. Re-renewed Sept. 12, 1945, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 46.

46,333. **ACME.** LININGS OF INSULATING MATERIAL. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Sept. 12, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

46,334. **PHOENIX.** LININGS OF INSULATING MATERIAL. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Sept. 12, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

46,335. **ARCTIC.** LININGS OF INSULATING MATERIAL. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Sept. 12, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

46,336. **KEYSTONE.** LININGS OF INSULATING MATERIAL. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Sept. 12, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

46,337. **NEPTUNE.** LININGS OF INSULATING MATERIAL. Registered Sept. 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Sept. 12, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

46,394. **"GROVE'S TASTELESS CHILL TONIC" AND DRAWING.** CHILL-TONICS. Registered Sept. 19, 1905. PARIS MEDICINE CO., St. Louis, Mo. Re-renewed Sept. 19, 1945, to The Grove Laboratories, Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.

46,410. **VICTOR.** EXTRACTS, SYRUPS, JUICES, AND TONICS FOR NON-INTOXICATING AERATED OR NON-AERATED BEVERAGES. Registered Sept. 19, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Sept. 19, 1945. Class 45.

46,411. **GOLD LABEL.** JUICES, EXTRACTS, SYRUPS, AND TONICS FOR NON-INTOXICATING AERATED OR NON-AERATED BEVERAGES. Registered Sept. 19, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Sept. 19, 1945. Class 45.

46,412. **WHITE LABEL.** JUICES, EXTRACTS, SYRUPS, AND TONICS FOR NON-INTOXICATING AERATED OR NON-AERATED BEVERAGES. Registered Sept. 19, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Sept. 19, 1945. Class 45.

46,432. **"SIMPSON SPRING" AND DESIGN.** SYRUPS, JUICES, EXTRACTS, AND TONICS FOR NON-INTOXICATING AERATED OR NON-AERATED BEVERAGES. Registered Sept. 19, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Sept. 19, 1945. Class 45.

46,552. **"DOAN'S REGULETS" ETC. AND DRAWING.** LAXATIVES. Registered Sept. 26, 1905. FOSTER-MILBURN CO., Buffalo, N. Y., a corporation of New York. Re-renewed Sept. 26, 1945. Class 6.

46,561. **GLOBE.** TABLE-SYRUP. Registered Sept. 26, 1905. NEW YORK GLUCOSE CO. Re-renewed Sept. 26, 1945, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey, assignee. Class 46.

46,562. **REPRESENTATION OF A GLOBE.** TABLE-SYRUP. Registered Sept. 26, 1905. NEW YORK GLUCOSE CO. Re-renewed Sept. 26, 1945, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey, assignee. Class 46.

46,663. **REPRESENTATION OF A DOUBLE OVAL.** KNITTED UNDERWEAR. Registered Oct. 3, 1905. GLASTONBURY KNITTING COMPANY, Addison, Conn. Re-renewed Oct. 3, 1945, to Wright's Underwear Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 39.

46,668. **BANNER.** JUICES, EXTRACTS, SYRUPS, AND TONICS FOR NON-INTOXICATING AERATED OR NON-AERATED BEVERAGES. Registered Oct. 3, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Oct. 3, 1945. Class 45.

46,674. **SOCIETY.** PLAYING-CARDS. Registered Oct. 3, 1905. THE UNITED STATES PLAYING CARD Co., Cincinnati, Ohio. Re-renewed Oct. 3, 1945, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 22.

46,774. **CO-CLO-RETT.** TONIC BEVERAGE. Registered Oct. 10, 1905. SIMPSON SPRING COMPANY, South Easton, Mass., a corporation of Massachusetts. Re-renewed Oct. 10, 1945. Class 45.

46,827. **REPRESENTATION OF A GIRL WITH FIG BRANCH.** LIQUID PURGATIVE COMPOUNDS. Registered Oct. 10, 1905. CALIFORNIA FIG SYRUP CO., San Francisco, Calif. Re-renewed Oct. 10, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments. Class 6.

46,829. **CRYSTAL SPRING.** RUM. Registered Oct. 10, 1905. FELTON & SON, Boston, Mass. Re-renewed Oct. 10, 1945, to Felton & Son, Inc., South Boston, Mass., a corporation of Massachusetts, successor. Class 49.

46,870. **ANASARCIN.** MEDICINE FOR THE TREATMENT OF TROUBLES RESULTING FROM DISEASES OF THE HEART, KIDNEYS, OR LIVER. Registered Oct. 10, 1905. THE ANASARCIN CHEMICAL COMPANY, Winchester, Tenn., a corporation of Tennessee. Re-renewed Oct. 10, 1945. Class 6.

46,880. **MALTO VIBURNIN.** MEDICAL PREPARATIONS CONTAINING THE NUTRITIVE ELEMENTS OF GRAIN. Registered Oct. 10, 1905. THE MALTINE COMPANY, Brooklyn, N. Y., a corporation of New York. Re-renewed Oct. 10, 1945. Class 6.

46,992. **AUTOCAR.** MOTOR CARS. Registered Oct. 17, 1905. THE AUTOCAR COMPANY, Ardmore, Pa., a corporation of Pennsylvania. Re-renewed Oct. 17, 1945. Class 19.

47,029. **PHOSPHO-MURIATE OF QUININE.** MEDICINAL TONIC PREPARATION. Registered Oct. 17, 1905. THE CHAS. H. PHILLIPS CHEMICAL CO., New York, N. Y. Re-renewed Oct. 17, 1945, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware, assignee. Class 6.

47,047. **BORAXO.** TOILET AND BATH POWDERS. Registered Oct. 24, 1905. PACIFIC COAST BORAX COMPANY, San Francisco, Calif. Re-renewed Oct. 24, 1945, to Pacific Coast Borax Company, New York, N. Y., a corporation of Nevada, assignee. Class 6.

47,069. **"WASHINGTON" AND DRAWING.** POCKET-KNIVES, RAZORS, TABLE-KNIVES, BUTCHER-KNIVES, AND CARVING-KNIVES. Registered Oct. 24, 1905. GRAY AND DUDLEY HARDWARE COMPANY. Re-renewed Oct. 24, 1945, to Keith-Simmons Co. Inc., Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments. Class 23.

47,075. **GRANITOID.** LIQUID READY-MIXED PAINTS. Registered Oct. 24, 1905. JAMES F. KURFEES PAINT CO. Re-renewed Oct. 24, 1945, to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., a corporation of Kentucky, successor. Class 16.

47,080. **"CARNATION BRAND" AND DRAWING.** CONDENSED MILK. Registered Oct. 24, 1905. PACIFIC COAST CONDENSED MILK CO., Seattle, Wash. Re-renewed Oct. 24, 1945, to Carnation Company, Wilmington, Del., a corporation of Delaware, assignee. Class 46.

47,084. **ELITE.** WRITING-PAPER AND ENVELOPES. Registered Oct. 24, 1905. SOUTHWORTH COMPANY, Mittineague, Mass. Re-renewed Oct. 24, 1945, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

47,089. **GIANT.** CASE-LINING, SHEATHING, INSULATING, AND ROOFING PAPERS. Registered Oct. 24, 1905. THE STANDARD PAINT COMPANY, New York, N. Y. Re-renewed Oct. 24, 1945, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., a corporation of New Jersey, assignee. Class 12.

47,126. **DURENE.** VARNISHES. Registered Oct. 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 24, 1945. Class 16.

47,127. **TINTOLAC.** VARNISHES. Registered Oct. 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 24, 1945. Class 16.

47,179. **DUPLEX.** WEB-PERFECTING FLAT-BED PRESSES. Registered Oct. 31, 1905. DUPLEX PRINTING PRESS COMPANY, Battle Creek, Mich., a corporation of Michigan. Re-renewed Oct. 31, 1945. Class 23.

196,269. **DRUID.** TOBACCO PIPES. Registered Mar. 17, 1925. TORRIANO PIPE WORKS LIMITED. Renewed Mar. 17, 1945, to The Druid Pipe Works Limited, London, England, a corporation of Great Britain, by change of name. Class 8.

197,179. **PUREPACT.** SPIRITS TURPENTINE FOR MEDICINAL USE. Registered Apr. 14, 1925. N. F. AMES & Co. Renewed Apr. 14, 1945, to N. F. Ames & Co., Corry, Pa., a partnership, assignee. Class 6.

197,484. **"DR. TUTT'S" ETC. AND DRAWING.** LIVER PILLS. Registered Apr. 21, 1925. HARRY H. GOOD, doing business as Dr. Tutt Mfg. Co. Renewed Apr. 21, 1945, to Mabel Emmons Good, trustee, doing business as Dr. Tutt Company, New York, N. Y., assignee. Class 6.

197,599. **LA SALLE.** LAUNDRY AND TOILET SOAP AND SOAP CHIPS. Registered Apr. 21, 1925. JOHN SEXTON & Co., Chicago, Ill., a corporation of Illinois. Renewed Apr. 21, 1945. Class 4.

197,743. **"LA SALLE" AND DRAWING.** COFFEE, TEA, SHREDDED COCONUT, DRIED FRUITS, FRUIT PRESERVES, FRUIT BUTTERS, JELLIES AND JAMS, IMITATION FRUIT PRESERVES, TABLE SIRUP, HONEY, ALIMENTARY PASTE PRODUCTS, MINCEMEAT, SAUERKRAUT, PICKLES, OLIVES; CANNED CLAMS, SALMON, AND SARDINES; CIDER VINEGAR, IMITATION POVIDLA (A MIXTURE OF PRUNE BUTTER AND CORN SIRUP), AND CERTAIN OTHER NAMED GROCERIES. Registered Apr. 21, 1925. JOHN SEXTON & Co., Chicago, Ill., a corporation of Illinois. Renewed Apr. 21, 1945. Class 46.

197,838. **JENNY LIND.** HOSIERY. Registered Apr. 28, 1925. PENNSYLVANIA SILK HOSIERY MILLS, INC., Bangor, Pa. Renewed Apr. 28, 1945, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York, assignee. Class 39.

197,913. **POLARIS.** MINERAL WATER. Registered Apr. 28, 1925. OZONE COMPANY, INC., New Orleans, La., a corporation of Louisiana. Renewed Apr. 28, 1945. Class 45.

197,945. **CROWN BRAND.** FISH ISINGLASS. Registered Apr. 28, 1925. AMERICAN GLUE COMPANY, Boston, Mass. Renewed Apr. 28, 1945, to Cape Ann Isinglass Company, Marblehead, Mass., a corporation of Massachusetts, assignee. Class 1.

197,988. **INDUSTRIAL FINISHING.** TRADE JOURNAL PUBLISHED MONTHLY. Registered Apr. 28, 1925. PRACTICAL PUBLICATIONS, INC., Indianapolis, Ind., a corporation of Indiana. Renewed Apr. 28, 1945. Class 38.

198,006. **"N. B." ETC. AND DESIGN.** MEN'S SUITS, COATS, TROUSERS, AND OVERCOATS, AND WOMEN'S COATS, SUITS, OUTER SKIRTS, AND KNICKERS. Registered Apr. 28, 1925. JAS. L. NEMECEK, doing business as Nemecek Brothers, Chicago, Ill. Renewed Apr. 28, 1945. Class 39.

198,094. **"VOGUE" AND DESIGN.** SHIRRED RIBBON ELASTIC, NARROW COTTON AND SILK ELASTIC, BRAIDS FOR TRIMMINGS OF WOMEN'S DRESSES, COATS, SUITS, AND UNDERGARMENTS. Registered May 5, 1925. WOLFE & LANG, INC., New York, N. Y., a corporation of New York. Renewed May 5, 1945. Class 40.

198,624. **"CGC" AND DESIGN.** OIL ENGINES. Registered May 19, 1925. CONTINENTAL GIN COMPANY, Birmingham, Ala., a corporation of Delaware. Renewed May 19, 1945. Class 23.

199,401. **DUPLEX BASIC PHOSPHATE.** PHOSPHATE. Registered June 9, 1925. TENNESSEE COAL, IRON & RAILROAD COMPANY. Renewed June 9, 1945, to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala., a corporation of Alabama, by merger. Class 6.

199,444. **E-GEE.** DAIRY, STOCK, AND POULTRY FEED. Registered June 9, 1925. EMPIRE GRAIN & ELEVATOR COMPANY, Binghamton, N. Y. Renewed June 9, 1945, to Tioga Mills Inc., Waverly, N. Y., a corporation of New York, assignee. Class 46.

199,476. **CALOREX.** GLASS. Registered June 9, 1925. CHANCE BROTHERS & Co. LIMITED. Renewed June 9, 1945, to Chance Brothers Limited, West Smethwick, England, an incorporated company of Great Britain, by change of name. Class 33.

199,943. **"CHERRO" AND DRAWING.** WHEAT FLOUR AND PANCAKE FLOUR, CEREAL BREAKFAST FOOD, POULTRY AND STOCK FEEDS. Registered June 23, 1925. CHERRY CITY MILLING COMPANY, Salem, Oreg. Renewed June 23, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

200,687. **LINANKY.** LINEN HANDKERCHIEFS NOT IN THE PIECE. Registered July 7, 1925. ROBERT MAXWELL CARSON. Renewed July 7, 1945, to The Blackstaff Flax Spinning and Weaving Company Limited, Belfast, Northern Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 39.

200,943. **FEROMA.** GENERAL TONIC IN LIQUID FORM, PARTICULARLY FOR TREATING CASES OF IMPOVERISHED BLOOD CONDITIONS. Registered July 14, 1925. SHARP & DOHME, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; and Philadelphia, Pa. Renewed July 14, 1945, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee. Class 6.

201,106. **NEWBRO'S QUI-9.** HAIR TONIC. Registered July 21, 1925. THE HERPICIDE COMPANY, Detroit, Mich. Renewed July 21, 1945, to Ar. Winarick, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

201,215. **MIDDISTRIPE.** MEN'S COATS, VESTS, TROUSERS, AND SUITS. Registered July 21, 1925. MIDDISHADE COMPANY. Renewed July 21, 1945, to The Middishade Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania, successor. Class 39.

201,543. **PORRIES.** CEREAL BREAKFAST FOOD PRODUCT. Registered July 28, 1925. WASHBURN-CROSBY COMPANY. Renewed July 28, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

201,766. **CARBESTIC.** ASBESTOS COMPOUNDS FOR WATERPROOFING ROOFS AND THE LIKE. Registered Aug. 4, 1925. THE J. E. HARRIS COMPANY, Wooster, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 12.

201,767. **CARBO-LASTIC.** ASBESTOS COMPOUNDS FOR WATERPROOFING ROOFS AND THE LIKE. Registered Aug. 4, 1925. THE J. E. HARRIS COMPANY, Wooster, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 12.

201,880. **CREAMETTE.** POTATO CHIPS, CANDY, SEEDLESS RAISINS, CANNED TOMATO SOUP, CORN SIRUP, CANNED PORK AND BEANS, CANNED YELLOW CLING PEACHES, SHREDDED COCONUT, PANCAKE FLOUR, PURE HONEY, DUTCH TOAST, QUEEN OLIVES, PEANUT BUTTER, SLICED BACON, CANNED POTTED HAM, CANNED SALMON, CREAMERY BUTTER, PURE LARD, CANNED TOMATOES, CANNED CORN, CANNED EVAPORATED MILK, JELLY POWDER, CORNSTARCH, TAPIOCA, UNPOPPED POP CORN, PACKAGE BISCUIT, CATCHUP, WHEAT FLOUR, COCOA, FRUIT PRESERVES, AND BREAD. Registered Aug. 11, 1925. THE CREAMETTE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 11, 1945. Class 46.

201,930. **O. K.** PLAIN OR UNCOATED CHEWING GUM. Registered Aug. 11, 1925. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Renewed Aug. 11, 1945. Class 46.

202,040. **"SPARTON" AND DESIGN.** LUBRICATING OIL (ENGINE OIL, MACHINE OIL, AND MOTOR OIL), CYLINDER STOCK OIL, STOCK BLEND OIL, BLACK OIL, SET GREASE, AXLE GREASE, PITCH GREASE, CUP GREASE, GEAR GREASE, CABLE GREASE, TRANSMISSION GREASE, ROLL GREASE, FIBER GREASE, CUTTING LUBRICANTS, SOLUBLE OIL EMPLOYED AS A LUBRICANT, GASOLINE AND CERTAIN OTHER NAMED OILS AND PETROLEUM PRODUCTS. Registered Aug. 11, 1925. SPARTON OIL COMPANY, INC., Philadelphia, Pa. Renewed Aug. 11, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments. Class 15.

202,050. **"WOOSTER SEAL KOTE ROOFING" AND DESIGN.** ASBESTOS COMPOUNDS FOR WATERPROOFING ROOFS AND THE LIKE. Registered Aug. 11, 1925. THE J. E. HARRIS COMPANY, Wooster, Ohio, a corporation of Ohio. Renewed Aug. 11, 1945. Class 12.

202,125. **DFMP.** TENT DUCK AND DRILL MATERIALS. Registered Aug. 18, 1925. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Renewed Aug. 18, 1945. Class 42.

202,484. **=ROBIN =HOOD.** CANNED SALMON, TUNNY FISH, SARDINES, AND HERRING ROE, AND DRIED CODFISH. Registered Aug. 25, 1925. R. C. WILLIAMS & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Aug. 25, 1945. Class 46.

202,509. **"SLIPTEX" ETC.** COTTON PIECE GOODS. Registered Aug. 25, 1925. H. JACOB & SONS, INC., doing business as Marvlo Mills. Renewed Aug. 25, 1945, to J. C. Penney Company, New York, N. Y., a corporation of Delaware, assignee. Class 42.

202,683. **CHAPMAN'S RED TOP.** MEAT SCRAPS, DIGESTER TANKAGE, AND ANIMAL FEEDS. Registered Sept. 1, 1925. RIVERDALE PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1945. Class 46.

202,689. **"NUTWHEAT" AND DRAWING.** BREAKFAST CEREAL FOOD. Registered Sept. 1, 1925. JOHN W. LIMBERT, doing business as The Nutwheat Milling Co. Renewed Sept. 1, 1945, to Minnie A. Limbert, Muncie, Ind., successor. Class 46.

202,735. **T.** STEEL SPOKES. Registered Sept. 1, 1925. THE TILEY PRATT CO., Essex, Conn. Renewed Sept. 1, 1945, to The Torrington Company, Torrington, Conn., a corporation of Maine, assignee by mesne assignments. Class 19.

202,762. **"RAYBESTOS" AND DRAWING.** BRAKE LININGS AND CLUTCH LININGS. Registered Sept. 1, 1925. THE RAYBESTOS COMPANY, Bridgeport, Conn. Renewed Sept. 1, 1945, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey, assignee. Class 35.

202,869. **DENTYNE.** CONFECTIONERY—NAMELY, CANDY, MINTS IN TABLET FORM, BREATHLETS, AND CACHOUS. Registered Sept. 8, 1925. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 46.

202,896. **PELICAN PARCHITE.** WRAPPING PAPER. Registered Sept. 8, 1925. CONTINENTAL PAPER & BAG MILLS CORPORATION. Renewed Sept. 8, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 37.

202,938. **"CO-PRO-CO" AND DESIGN.** FEEDSTUFFS—NAMELY, A MIXTURE OF GRAIN, ALFALFA, AND CORN-SUGAR MOLASSES. Registered Sept. 8, 1925. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 46.

202,976. **PLAYTHINGS.** TRADE PUBLICATION ISSUED MONTHLY. Registered Sept. 8, 1925. MCCREADY PUBLISHING COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 38.

202,982. **LA JEUNESSE.** CANDY. Registered Sept. 8, 1925. HENRY MAILLARD. Renewed Sept. 8, 1945, to The Maillard Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 46.

203,033. **STRONGHEART.** BATHING SUITS, SWEATERS; MEN'S DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS OF KNITTED AND TEXTILE FABRIC, PYJAMAS, NIGHTSHIRTS, CRAVATS, AND NECKTIES, AND UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; BELTS FOR PERSONAL WEAR, GARTERS, AND SUSPENDERS. Registered Sept. 8, 1925. THE SPERRY & HUTCHINSON COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 39.

203,043. **"HONOR" AND DRAWING.** EVAPORATED MILK. Registered Sept. 8, 1925. PET MILK COMPANY, now by change of name Helvetia Milk Condensing Company, Inc., assignor to Pet Milk Company. Renewed Sept. 8, 1945, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware. Class 46.

203,182. **LEONIL.** COMPOSITIONS FOR USE IN CARBONIZING WOOL, FOR PROTECTING WOOL FABRICS AGAINST INJURIOUS EFFECTS DURING DYEING, FULLING AND FINISHING OPERATIONS, AND FOR ADDITION TO DYEING BATHS TO IMPROVE THE SAME AND THE WOOL OR WOOLEN GOODS. Registered Sept. 15, 1925. H. A. METZ & CO., INC. Renewed Sept. 15, 1945, to General Dyestuff Corporation, New York, N. Y., a corporation of New York, assignee. Class 6.

203,239. **BENDINER'S PINE NEEDLE EXPECTORANT.** MEDICINE FOR COUGHS, COLDS, WHOOPING COUGH, CROUP, ASTHMA, INFLUENZA, BRONCHITIS, PLEURISY, AND THE VARIOUS AFFECTIONS OF THE LUNGS AND THROAT, AND A RELIEF IN THE DIFFERENT STAGES OF CONSUMPTION. Registered Sept. 15, 1925. MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger. Renewed Sept. 15, 1945, to Bendiner & Schlesinger, Inc., New York, N. Y., a corporation of New York, assignee. Class 6.

203,243. **FLIVOLENE.** REFINED AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, AND MINERAL OILS, FOR POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. Registered Sept. 15, 1925. HUMBLE OIL & REFINING COMPANY, Houston, Tex., a corporation of Texas. Renewed Sept. 15, 1945. Class 15.

203,278. **REPRESENTATION OF A CHECKERBOARD.** FOOT TOILET POWDERS. Registered Sept. 15, 1925. H. C. STEIN, doing business as The Foot Products Co., New York, N. Y., assignor to Plough Chemical Company. Renewed Sept. 15, 1945, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, by change of name. Class 6.

203,352. **UNITEOLINE.** LUBRICATING OILS AND GREASES MADE FROM CRUDE PETROLEUM OR FROM CRUDE-PETROLEUM PRODUCTS AND OTHER MINERAL, VEGETABLE, AND ANIMAL PRODUCTS. Registered Sept. 15, 1925. UNITED OIL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1945. Class 15.

203,380. **BRILLO.** POLISH FOR HARD WOOD SURFACES, FURNITURE, AND AUTOMOBILES. Registered Sept. 15, 1925. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Sept. 15, 1945. Class 16.

203,420. **EVER-READY.** LUBRICATING OIL HAVING INCIDENTAL PROPERTIES AS A CLEANSING AND POLISHING SUBSTANCE. Registered Sept. 15, 1925. PLOUGH CHEMICAL COMPANY, doing business as The Ever-Ready Company, assignor to Plough Chemical Company. Renewed Sept. 15, 1945, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, by change of name. Class 15.

203,527. **WESTPHALIA.** CURED MEATS—NAMELY, HAMS, BACON, SHOULDERS, CALAS, AND DRIED BEEF. Registered Sept. 22, 1925. JACOB DOLD PACKING CO. Renewed Sept. 22, 1945, to Dold Packing Corporation, Buffalo, N. Y., a corporation of New York, assignee. Class 46.

203,673. **KIRMINSHAH.** BRICK. Registered Sept. 22, 1925. ACME BRICK COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed Sept. 22, 1945. Class 12.

203,687. **GEORGIAN.** BRICK. Registered Sept. 22, 1925. JEWETTVILLE CLAY PRODUCTS COMPANY, INC., Jewettville, N. Y. Renewed Sept. 22, 1945, to John H. Black Company, Buffalo, N. Y., a corporation of New York, by merger. Class 12.

203,699. **FLAMINGO.** PACKING PAPER. Registered Sept. 22, 1925. CONTINENTAL PAPER & BAG MILLS CORPORATION. Renewed Sept. 22, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 37.

203,703. **SPRAYCOTE.** GUMMED PAPER. Registered Sept. 22, 1925. MCLAURIN-JONES CO., Brookfield, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 37.

203,704. **SPINDRIFT.** FANCY COATED PAPERS ADAPTED ESPECIALLY FOR BOX COVERS AND LININGS, ENVELOPE LININGS, AND SIMILAR USES. Registered Sept. 22, 1925. MCLAURIN-JONES Co., Brookfield, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 37.

203,713. **FOX RIVER—50.** WRITING PAPER. Registered Sept. 22, 1925. FOX RIVER PAPER COMPANY. Renewed Sept. 22, 1945, to Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin, assignee. Class 37.

203,750. **COPRTOP.** TANK BALLS. Registered Sept. 22, 1925. AMERICAN RUBBER PRODUCTS CORPORATION. Renewed Sept. 22, 1945, to American Rubber Products Corporation, Jersey City, N. J., a corporation of New York, assignee. Class 13.

203,829. **BUNNYLAND.** CANDY. Registered Sept. 29, 1925. REYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 29, 1945. Class 46.

203,925. **MW.** WELDING RODS. Registered Sept. 29, 1925. OXWELD ACETYLENE COMPANY. Renewed Sept. 29, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York, assignee. Class 14.

203,941. **TOASTMISTRESS.** ELECTRIC TOASTERS. Registered Sept. 29, 1925. WATERS-GENTER CO., Minneapolis, Minn. Renewed Sept. 29, 1945, to McGraw Electric Company, Elgin, Ill., a corporation of Delaware, assignee. Class 21.

203,947. **"SPARKLE" AND DRAWING.** GRANULATED SUGAR, BROWN SUGAR, POWDERED SUGAR, AND ICING SUGAR. Registered Sept. 29, 1925. C. D. ROBINSON COMPANY. Renewed Sept. 29, 1945, to The Sparkle Sales Corporation, St. Paul, Minn., a corporation of Delaware, assignee. Class 46.

203,958. **SPARKLE.** GRANULATED SUGAR, BROWN SUGAR, POWDERED SUGAR, LUMP OR LOAF SUGAR, AND ICING SUGAR. Registered Sept. 29, 1925. C. D. ROBINSON COMPANY. Renewed Sept. 29, 1945, to The Sparkle Sales Corporation, St. Paul, Minn., a corporation of Delaware, assignee. Class 46.

204,004. **VI-MAL-DEX.** FOOD PRODUCT IN THE NATURE OF A CARBOHYDRATE PREPARED FROM MALTOSE-DEXTRIN, CORN SIRUP, AND THE JUICE OF FRESH ORANGES. Registered Oct. 6, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed Oct. 6, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

204,054. **"CORTEZ" AND DRAWING.** FRESH GRAPES. Registered Oct. 6, 1925. CORTEZ GROWERS ASSOCIATION, Cortez and Turlock, Calif. Renewed Oct. 6, 1945, to Cortez Growers Association, Turlock, Calif., a corporation of California. Class 46.

204,174. **REPRESENTATION OF GROUPS OF PARALLEL INDENTATIONS FORMED IN THE SURFACE OF THE CASING.** BATTERY FLASH LIGHTS AND CASINGS THEREFOR. Registered Oct. 13, 1925. NATIONAL CARBON COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 13, 1945. Class 21.

204,208. **"ROEHAMPTON" AND DRAWING.** FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB BELLS, AND INDIAN CLUBS. Registered Oct. 13, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 22.

204,209. **"RANELAGH" AND DRAWING.** FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB BELLS, AND INDIAN CLUBS. Registered Oct. 13, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 22.

204,210. **"ST. JAMES" AND DRAWING.** FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB BELLS, AND INDIAN CLUBS. Registered Oct. 13, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1945. Class 22.

204,255. **REPRESENTATION OF A DESIGN WITH CYCLE AND RIDER.** PLAYING CARDS. Registered Oct. 13, 1925. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 13, 1945. Class 22.

204,286. **"GEM" AND DESIGN.** WHEAT FLOUR. Registered Oct. 13, 1925. THE CENTRAL MINN. POWER & MILLING CO., Sauk Center, Minn. Renewed Oct. 13, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments. Class 46.

204,303. **"VIGORON" ETC. AND DRAWING.** GENERAL MEDICINAL TONIC, PARTICULARLY RECOMMENDED FOR THE TREATMENT OF ANAEMIA, CHLOROSIS, AND THE CACHETIC STATES FOLLOWING EXHAUSTING DISEASES. Registered Oct. 13, 1925. THE SYDNEY ROSS CO., Newark, N. J., a corporation of New Jersey. Renewed Oct. 13, 1945. Class 6.

204,305. **"VELVETO" AND DESIGN.** PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Registered Oct. 13, 1925. LOUIS HILSENBECK. Renewed October 13, 1945, to Julius Schmid, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 44.

204,404. **SHALWIN.** HOSIERY. Registered Oct. 20, 1925. BARNARD NATHAN CO., New York, N. Y., assignor to Charles W. Cromer. Renewed Oct. 20, 1945, to Charles W. Cromer, doing business as Shalwin Hosiery Mills, Hagerstown, Md. Class 39.

204,426. **REPRESENTATION OF BLACK, YELLOW AND RED BANDS.** DRY BATTERIES. Registered Oct. 20, 1925. MANHATTAN ELECTRICAL SUPPLY COMPANY, INC. Renewed Oct. 20, 1945, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 21.

204,445. **"DOGS HEAD" AND DRAWING.** COTTON PIECE GOODS. Registered Oct. 20, 1925. WHITNEY MFG. CO., Whitney, S. C. Renewed Oct. 20, 1945, to Deering, Milliken & Co., Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

204,446. **GLENMORE.** COTTON PIECE GOODS. Registered Oct. 20, 1925. WHITNEY MFG. CO., Whitney, S. C. Renewed Oct. 20, 1945, to Deering, Milliken & Co. Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

204,467. **"LAS AMIGAS" AND DRAWING.** CIGARS. Registered Oct. 20, 1925. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 20, 1945. Class 17.

204,478. **THE TRAMP.** RUBBER HEELS. Registered Oct. 20, 1925. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed Oct. 20, 1945. Class 39.

204,508. **BALLARD'S.** WHEAT FLOUR, PANCAKE AND BUCKWHEAT FLOUR, SELF-RISING FLOUR, WHEAT FEEDS, AND MILL FEEDS—I. E., BRAN, SHORTS, MIDDLINGS, AND CHICKEN FEEDS, INCLUDING SCRATCH FEEDS AND THE SO-CALLED MASHES, AND ALSO SWEET FEEDS FOR LIVESTOCK. Registered Oct. 20, 1925. BALLARD & BALLARD COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Oct. 20, 1945. Class 46.

204,524. **WAITEX.** FLOOR RUGS OF FABRIC MADE OF PAPER AND GRASS. Registered Oct. 20, 1925. WAITE CARPET CO., Oshkosh, Wis., a corporation of Wisconsin. Renewed Oct. 20, 1945. Class 42.

204,531. **BRUNSWICK.** BILLIARD CLOTH. Registered Oct. 20, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Oct. 20, 1945, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 42.

204,540. **"B" AND DESIGN.** BILLIARD BALLS, BOWLING BALLS, FISHING REELS, POOL TRIANGLES, GOLF-CLUB HEADS, AND GOLF-TEE MOLDS, GOLF-BALL CORES, DOMINOES, GAME COUNTERS, PLAYING CARDS, JACKSTRAWS, DICE, MAH JONGG BLOCKS, CHESSMEN, AND CHECKERS. Registered Oct. 20, 1925. BAKELITE CORPORATION. Renewed Oct. 20, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 22.

204,554. **NAP KNIT.** WOVEN COTTON PADDING FOR LAUNDRY-MACHINERY ROLLS. Registered Oct. 20, 1925. TINGUE, BROWN & CO., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 42.

204,560. **"AMO" AND DESIGN.** PREPARATION FOR THE RELIEF OF HEADACHE, NEURALGIA, COLDS, GRIPPE, AND PAIN IN GENERAL. Registered Oct. 20, 1925. D. P. AMO & COMPANY, Massena, N. Y., a firm. Renewed Oct. 20, 1945. Class 6.

204,567. **ARGONAUT BRAND.** DRIED MILK SOLIDS IN POWDER FORM. Registered Oct. 20, 1925. ARGONAUT MILK COMPANY, San Francisco, Calif., a corporation of California. Renewed Oct. 20, 1945. Class 46.

204,578. **"FITLER" AND DESIGN.** SPUN YARNS, LATH YARNS, AND FODDER YARNS. Registered Oct. 20, 1925. THE EDWIN H. FITLER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1945. Class 43.

204,579. **"FITLER" AND DESIGN.** SPUN YARNS, LATH YARNS, AND FODDER YARNS. Registered Oct. 20, 1925. THE EDWIN H. FITLER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1945. Class 43.

204,603. **SUNKIST.** GLASS REAMERS FOR EXTRACTING FRUIT JUICES. Registered Oct. 20, 1925. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif., a corporation of California. Renewed Oct. 20, 1945. Class 33.

204,605. **"PLAT-O" AND DRAWING.** ORE CONCENTRATORS. Registered Oct. 20, 1925. DEISTER MACHINE COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed Oct. 20, 1945. Class 23.

204,614. **TOM-BO.** CANNED SOUP. Registered Oct. 20, 1925. PURE FOOD FACTORY "HANSA", Mamaroneck, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 46.

204,620. **SIEGE GUN SET.** GOLF CLUBS, GOLF BALLS, GOLF BAGS, BASEBALL BATS. Registered Oct. 20, 1925. RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 20, 1945. Class 22.

204,623. **"ONCE OVER AND IT'S ALL OVER" AND DESIGN.** COMBINED HARVESTERS AND THRASHERS AND ATTACHMENTS AND PARTS THEREOF. Registered Oct. 20, 1925. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed Oct. 20, 1945. Class 23.

204,636. **"BO-KAY" AND DRAWING.** BRICKS. Registered Oct. 20, 1925. STREATOR BRICK COMPANY, Streator, Ill., a corporation of Illinois. Renewed Oct. 20, 1945. Class 12.

204,643. **RED GLOBE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 20, 1925. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif., a corporation of California. Renewed Oct. 20, 1945. Class 46.

204,644. **BLUE GLOBE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Oct. 20, 1925. RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif., a corporation of California. Renewed Oct. 20, 1945. Class 46.

204,658. **RECEPTRAD R R CO.** RADIO RECEIVING EQUIPMENT AND PARTS THEREOF, SUCH EQUIPMENT AND PARTS CONSISTING OF RADIO RECEIVING SETS, COMPLETE KITS FOR MAKING RADIO RECEIVING SETS, VACUUM-TUBE SOCKETS, SWITCHES, RHEOSTATS, CONDENSERS, PLUGS, JACKS, BINDING POSTS, INSULATING PANELS, INSULATORS AND TRANSFORMERS. Registered Oct. 20, 1925. RADIO RECEPTOR COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 21.

204,683. **"IMPROVED T" AND DESIGN.** FOOTBALLS (ASSOCIATION AND RUGBY) AND FOOTBALL COVERS. Registered Oct. 20, 1925. WILLIAM THOMLINSON, LIMITED, Partrick, Glasgow, Scotland, an organized company of Great Britain. Renewed Oct. 20, 1945. Class 22.

204,695. **KIDDIE KUP.** ICE CREAM, WATER ICES, AND SHERBETS. Registered Oct. 20, 1925. ANHEUSER BUSCH ICE & C. S. CO. INC. Renewed Oct. 20, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

204,699. **LOTUS D'OR.** PERFUME, TOILET WATER, FACE POWDER, DUSTING POWDER, TALCUM POWDER, SACHET, AND COMPACTS. Registered Oct. 20, 1925. LENTHERIC, INC. Renewed Oct. 20, 1945, to Lentheric Incorporated, New York, N. Y., a corporation of New York, assignee. Class 6.

204,706. **GUIATONIC.** MEDICINAL PREPARATION TO BE USED AS A TONIC AND RECONSTRUCTIVE AND RECUPERATIVE REMEDY. Registered Oct. 20, 1925. WILLIAM R. WARNER & CO., INC., New York, N. Y., a corporation of Delaware. Renewed Oct. 20, 1945. Class 6.

204,723. **JERSILD.** SWEATERS, TOQUES, AND BATHING SUITS. Registered Oct. 27, 1925. JERSILD KNITTING COMPANY. Renewed Oct. 27, 1945, to Jersild Knitting Corporation, Neenah, Wis., a corporation of Wisconsin, successor. Class 39.

204,726. **MILLERINE.** SHOE POLISH AND DRESSING. Registered Oct. 27, 1925. I. MILLER & SONS, INC., Long Island City, N. Y., a corporation of New York. Renewed Oct. 27, 1945. Class 4.

204,736. **SUNRAY.** STEEL WOOL. Registered Oct. 27, 1925. THE WILLIAMS COMPANY, London, Ohio, a corporation of Ohio. Renewed Oct. 27, 1945. Class 4.

204,744. **AROMA-LAX.** TABLETS FOR CONSTIPATION. Registered Oct. 27, 1925. LEWIS A. GROSS, Philadelphia, Pa. Renewed Oct. 27, 1945. Class 6.

204,745. **NEUROPHEN.** TABLETS OR CAPSULES FOR PAINS IN THE HEAD. Registered Oct. 27, 1925. LEWIS A. GROSS, Philadelphia, Pa. Renewed Oct. 27, 1945. Class 6.

204,756. **RED-E-SUDS.** TOILET SOAP, CASTILE SOAP, AND LAUNDRY SOAP AND OIL SOAP AND SOAP POWDER. Registered Oct. 27, 1925. HARRIS SOAP COMPANY, Buffalo, N. Y., a corporation of New York. Renewed Oct. 27, 1945. Class 4.

204,761. **"MAGNET" AND DRAWING.** LUBRICATING AND ILLUMINATING OILS. Registered Oct. 27, 1925. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Renewed Oct. 27, 1945, to Valvoline Oil Company, Edgewater, N. J., a corporation of New Jersey. Class 15.

204,762. **GOLFO.** MOHAIR PIECE GOODS AND PIECE GOODS OF COMBINATION COTTON, WOOL, MOHAIR ALPACA, CAMEL HAIR, SILK AND ARTIFICIAL SILK. Registered Oct. 27, 1925. GOODALL WORSTED CO., Sanford, Maine, and New York, N. Y. Renewed Oct. 27, 1945, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine, by change of name. Class 42.

204,786. **"STIFEL PANTEX" AND DRAWING.** CLOTHING—VIZ, WORK SHIRTS, WORK AND DRESS PANTS; SUITS FOR MEN—VIZ, COATS, VESTS, AND TROUSERS; AND COATS SEPARATELY, OVERALLS AND JACKETS, AND ONE-PIECE COMBINATION OVERALLS. Registered Oct. 27, 1925. J. L. STIFEL & SONS. Renewed Oct. 27, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name. Class 39.

204,817. **"GOLDCRAFT" ETC. AND DRAWING.** MEN'S AND BOYS' SUITS AND OVERCOATS. Registered Oct. 27, 1925. J. GOLDSMITH & SONS COMPANY, Memphis, Tenn., a corporation of Tennessee. Renewed Oct. 27, 1945. Class 39.

204,820. **REPRESENTATION OF A GROOVED HEAD OF A SCREW.** WOOD SCREWS, WASHER HEAD SCREWS, MACHINE SCREWS, HEADLESS SCREWS, SPECIAL SCREWS, ROLLED THREAD PARTS, RIVETS, UPSET SHOULDERED PARTS, WIRE PINS, COLD HEADED PARTS, AND THREADED WIRES. Registered Oct. 27, 1925. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill., a corporation of Illinois. Renewed Oct. 27, 1945. Class 13.

204,826. **PAVO.** MOHAIR PIECE GOODS, AND PIECE GOODS OF COMBINATIONS OF COTTON, WOOL, MOHAIR ALPACA, CAMEL'S HAIR, SILK, AND ARTIFICIAL SILK. Registered Oct. 27, 1925. GOODALL WORSTED CO., Sanford, Maine, and New York, N. Y. Renewed Oct. 27, 1945, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine, by change of name. Class 42.

204,849. **OTIS.** ELEVATORS AND HOISTS AND PARTS THEREOF. Registered Oct. 27, 1925. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y. Renewed Oct. 27, 1945, to Otis Elevator Company, New York, N. Y., a corporation of New Jersey. Class 23.

204,875. **"TRUSTY" AND DRAWING.** PAPER BAGS. Registered Oct. 27, 1925. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 27, 1945. Class 2.

204,889. **ALBAMOL.** COMPOUNDS FOR TREATING HEMORRHOIDS. Registered Oct. 27, 1925. JOSEPH LOWENTHAL, Philadelphia, Pa. Renewed Oct. 27, 1945. Class 6.

204,891. **SILIFORM.** REMEDIES FOR THE TREATMENT OF RHEUMATIC AND GOUTY AFFECTIONS. Registered Oct. 27, 1925. HEILKRAFT MEDICAL CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 27, 1945. Class 6.

204,910. **LA LETE.** FACE POWDERS, FACE CREAMS, FACE PACKS, PERFUMES, TOILET WATERS, ROUGES, LIP STICKS, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDER, NAIL POLISHES, DEODORIZING PREPARATIONS, TALCUM POWDERS, DUSTING POWDERS, BATH SALTS, AND SACHETS. Registered Oct. 27, 1925. LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Renewed Oct. 27, 1945, to Lightfoot Schultz Company, New York, N. Y., a corporation of New York. Class 6.

204,914. **ALKA-ZANE.** MEDICINAL PREPARATION IN POWDERED FORM FOR TREATMENT OF ACID STOMACH, HIGH BLOOD PRESSURE, NAUSEA, VOMITING, DIABETES, BRIGHT'S DISEASE AND OTHER TOXÆMIAS. Registered Oct. 27, 1925. WILLIAM R. WARNER & CO., INC., New York, N. Y., a corporation of Delaware. Renewed Oct. 27, 1945. Class 6.

204,927. **"KAM" AND DESIGN.** WATER HEATERS AND STEAM GENERATORS AND PARTS THEREOF. Registered Oct. 27, 1925. KAMWATER HEATER MFG. CO. INC., Brooklyn, N. Y., a corporation of New York. Renewed Oct. 27, 1945. Class 34.

204,939. **ORATOL.** MOUTH WASH. Registered Oct. 27, 1925. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed Oct. 27, 1945, to Pine Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments. Class 6.

204,973. **"RENFREW FABRIC" AND DRAWING.** BOX STATIONERY. Registered Oct. 27, 1925. ASSOCIATED MERCHANDISING CORPORATION. Renewed Oct. 27, 1945, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York, assignee. Class 37.

204,976. **DUOGRAPH.** OXYACETYLENE CUTTING APPARATUS. Registered Oct. 27, 1925. AIR REDUCTION COMPANY, INCORPORATED. Renewed Oct. 27, 1945, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee. Class 34.

204,977. **PYROGRAPH.** OXYACETYLENE CUTTING APPARATUS. Registered Oct. 27, 1925. AIR REDUCTION COMPANY, INCORPORATED. Renewed Oct. 27, 1945, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee. Class 34.

204,988. **LOUISE ANDRÉ.** TOILET POWDER. Registered Oct. 27, 1925. ASSOCIATED MERCHANDISING CORPORATION. Renewed Oct. 27, 1945, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York, assignee. Class 6.

205,122. **NUGGET.** CANNED FRUITS AND CANNED VEGETABLES. Registered Nov. 3, 1925. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Renewed Nov. 3, 1945, to Frank M. Wilson Company, Stockton, Calif., a copartnership, assignee by mesne assignments. Class 46.

205,123. **SAZERAC AND DESIGN.** GINGER ALE. Registered Nov. 3, 1925. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Renewed Nov. 3, 1945. Class 45.

205,129. **"B" AND DESIGN.** KNIFE HANDLES, SAW HANDLES, GEARS, GEAR-SHIFT BALLS, DASHPOTS, LATHE HANDWHEELS, ANTIFRICTION BEARINGS, TYPEWRITER PARTS, TOOL HANDLES, PAPERHANGERS' SEAM ROLLERS, VENDING-MACHINE PARTS, ADDING-MACHINE PARTS, CALCULATOR PARTS, CHECK-PROTECTOR PARTS, FIRE-EXTINGUISHER SHELLS, FRUIT KNIVES, ORANGE PEELERS, AND TYPE PLATES FOR PRINTING ON PAPER, CLOTH, AND OTHER FABRICS. Registered Nov. 3, 1925. BAKELITE CORPORATION. Renewed Nov. 3, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 23.

205,158. **CHALLENGE.** EYELETS. Registered Nov. 3, 1925. EDWARD L. SIBLEY MANUFACTURING COMPANY, Bennington, Vt., a corporation of Vermont. Renewed Nov. 3, 1945. Class 37.

205,164. **NANCY HANKS.** PICKLES. Registered Nov. 3, 1925. REID, MURDOCH & Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 3, 1945. Class 46.

205,169. **"LADY LOVE" ETC. AND DRAWING.** WOMEN'S AND MISSES' UNDERWEAR MADE OF CUT MATERIALS, BOTH KNITTED AND TEXTILE—NAMELY, CHEMISES, BLOOMERS, VESTS, NIGHTGOWNS, SLIPS, PETTICOATS, NEGLIGEES, DRAWERS, STEP-INS, BRASSIÈRES, PYJAMAS, AND GARTERS. Registered Nov. 3, 1925. LADY FAIR CORPORATION. Renewed Nov. 3, 1945, to Martha Maid Mfg. Co., Chicago, Ill., a corporation of Illinois, assignee. Class 39.

205,183. **SOUTHERN QUEEN.** SHORTENING MADE FROM COTTONSEED OIL. Registered Nov. 3, 1925. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex., a corporation of Delaware. Renewed Nov. 3, 1945. Class 46.

205,201. **"XXXX" AND DRAWING.** PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Registered Nov. 3, 1925. LOUIS HILSENBECK. Renewed Nov. 3, 1945, to Julius Schmid, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 44.

205,227. **"STIFEL BULL DOG" AND DRAWING.** COTTON PIECE GOODS. Registered Nov. 3, 1925. J. L. STIFEL & SONS. Renewed Nov. 3, 1945, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia, by change of name. Class 42.

205,244. **"GRISWOLD" AND DESIGN.** ALUMINUM AND IRON COOKING UTENSILS—NAMELY, PERCOLATORS, GRIDDLES, SKILLETS; KETTLES—NAMELY, TEA, MASLIN, ROASTING, BASTING, FLAT-BOTTOM STOVE, LOW STOVE, BOILING, REGULAR STOVE, ECCENTRIC STOVE, BAKE; ROASTERS, WAFFLE IRONS, CASSEROLES, PITCHERS; BOILERS—NAMELY, DOUBLE, BERLIN, HAM; AND CERTAIN OTHER NAMED COOKING UTENSILS. Registered Nov. 3, 1925. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed Nov. 3, 1945. Class 13.

205,250. **"BRATER'S ASTHMA POWDER" AND DRAWING.** PREPARATION FOR THE TREATMENT OF ASTHMA. Registered Nov. 3, 1925. JOHN K. BRATER. Renewed Nov. 3, 1945, to John K. Brater & Co., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

205,256. **CROSS ROADS.** FOOD SIRUP. Registered Nov. 3, 1925. WALTER BLAIR RODDENBERY. Renewed Nov. 3, 1945, to W. B. Roddenbery Company, Cairo, Ga., a firm, successor. Class 46.

205,258. **WORCESTER EVENING POST.** NEWSPAPER PUBLISHED DAILY. Registered Nov. 3, 1925. WORCESTER POST COMPANY. Renewed Nov. 3, 1945, to Worcester Telegram Publishing Co. Inc., Worcester, Mass., a corporation of Massachusetts, assignee. Class 38.

205,262. **GUMAFOAM.** PRODUCT FOR WEIGHTING AND ADDING BODY TO SILK. Registered Nov. 3, 1925. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed Nov. 3, 1945. Class 6.

205,271. **CONQUEROR.** UKULELES, BANJOS, MANDOLINS, GUITARS, BANJO UKULELES. Registered Nov. 3, 1925. C. BRUNO & SON, INC., New York, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 36.

205,275. **"B" AND DESIGN.** BRUSH BACKS AND HANDLES. Registered Nov. 3, 1925. BAKELITE CORPORATION. Renewed Nov. 3, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 29.

205,287. **CHIMES.** MOUTH HARMONICAS AND ACCORDIONS. Registered Nov. 3, 1925. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 36.

205,289. **"DAL ITE" AND DESIGN.** TIME-LIMIT MECHANISMS AND AUTOMATIC CIRCUIT BREAKERS EQUIPPED WITH TIME-LIMIT MECHANISMS. Registered Nov. 3. 1925. THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY. Renewed Nov. 3, 1945, to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 21.

205,314. **ODIN.** GAS HEATING AND COOKING STOVES. Registered Nov. 3, 1925. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed Nov. 3, 1945. Class 34.

205,315. **REDDYFYRE.** GAS HEATING AND COOKING STOVES. Registered Nov. 3, 1925. ODIN STOVE MANUFACTURING COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed Nov. 3, 1945. Class 34.

205,329. **ALBA.** ANTISEPTIC WASHING LIQUID. Registered Nov. 3, 1925. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 4.

205,346. **BRUNSWICK.** BILLIARD AND POCKET-BILLIARD BALLS. Registered Nov. 3, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Nov. 3, 1945, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 22.

205,348. **"B" AND DESIGN.** RADIUM PLAQUES, OZONIZING APPARATUS, VIOLET-RAY GENERATORS, X-RAY SCREENS, MANICURE SETS, HANDLES OF DENTAL AND SURGICAL INSTRUMENTS, GRINDING WHEELS OF DENTAL INSTRUMENTS, TEETHING RINGS, AND ARTIFICIAL TEETH. Registered Nov. 3, 1925. BAKELITE CORPORATION. Renewed Nov. 23, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 44.

205,356. **"WHITE ROCK" AND DRAWING.** GINGER ALE. Registered Nov. 3, 1925. WHITE ROCK MINERAL SPRINGS COMPANY, Waukesha, Wis. Renewed Nov. 3, 1945, to White Rock Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 45.

205,467. **ACTODECTOR.** ELECTRIC GENERATORS. Registered Nov. 10, 1925. ROTH BROTHERS & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1945. Class 21.

205,494. **OC.** COTTON WASTE. Registered Nov. 10, 1925. KILBURN MILL, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1945. Class 1.

205,504. **A LA MARQUISE DE SÉVIGNÉ.** PASTES, POWDERS, AND LIQUIDS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. Registered Nov. 10, 1925. SOCIÉTÉ ANONYME DES ETABLISSEMENTS ROUZAUD "A LA MARQUISE DE SÉVIGNÉ" CHOCOLAT DE ROYAT. Renewed Nov. 10, 1945, to Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "A la Marquise de Sévigné," Royat, France, a corporation of France. Class 6.

205,542. **"NE" AND DESIGN.** ELECTRIC STARTING APPARATUS FOR INTERNAL-COMBUSTION ENGINES, ELECTRIC LIGHTING APPARATUS, ELECTRIC IGNITION APPARATUS, ELECTRIC SIGNAL HORNS, AND ELECTRIC MOTORS FOR GENERAL USE. Registered Nov. 10, 1925. NORTH EAST ELECTRIC COMPANY, Rochester, N. Y. Renewed Nov. 10, 1945, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments. Class 21.

205,547. **3-D.** PILLS FOR TREATING COLD IN THE HEAD, JELLY FOR TREATMENT OF CATARRH, VERMIN ERADICATOR, POWDERS FOR TREATMENT OF CHILDREN AFFECTED WITH WORMS, LIQUID PREPARATION FOR TREATMENT OF RHEUMATISM; KIDNEY, LIVER, AND BLADDER PILLS; THROAT GARGLE, COUGH MIXTURE, LIQUID PREPARATION FOR TREATMENT OF INFLAMED AND INFECTED EYES, CATHARTIC PILLS, LIVER AND STOMACH PILLS, PILLS FOR TREATMENT OF COLDS, SALVE PREPARATIONS FOR TREATMENT OF CORNS, HAIR TONIC, AND OTHER CERTAIN NAMED MEDICINAL PREPARATIONS. Registered Nov. 10, 1925. HAYUNGA'S PHARMACY AND DUNDAS DRUG COMPANY, New York, N. Y., a copartnership. Renewed Nov. 10, 1945. Class 6.

205,585. **ROSE-MARIE.** CORSETS AND BRASSIÈRES. Registered Nov. 10, 1925. FRANCO CORSET COMPANY, INC. Renewed Nov. 10, 1945, to Franco-Corset Company, New York, N. Y., a copartnership, assignee. Class 39.

205,587. **FLY.** COTTON WASTE. Registered Nov. 10, 1925. KILBURN MILL, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1945. Class 1.

205,588. **EGC.** COTTON WASTE. Registered Nov. 10, 1925. KILBURN MILL, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1945. Class 1.

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205,600. **PW.** COTTON WASTE. Registered Nov. 10, 1925. KILBURN MILL, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1945. Class 1.

205,601. **KAC.** COTTON WASTE. Registered Nov. 10, 1925. KILBURN MILL, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 10, 1945. Class 1.

205,602. **"JOY".** COAL. Registered Nov. 10, 1925. THE KEARNS COAL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 10, 1945. Class 1.

205,621. **"NOXROT" AND DESIGN.** WOOD PRESERVATIVES (A LIQUID CHEMICAL). Registered Nov. 10, 1925. W. P. FULLER & Co., San Francisco, Calif., a corporation of California. Renewed Nov. 10, 1945. Class 6.

205,636. **"DOVE BRAND" AND DRAWING.** MOLASSES, TABLE SIRUP, AND SORGHUM. Registered Nov. 10, 1925. ALEXANDER MOLASSES COMPANY. Renewed Nov. 10, 1945, to Al-Mo-Co Corporation, Cincinnati, Ohio, a corporation of Ohio, successor. Class 46.

205,637. **"IMPERIAL" AND DRAWING.** SUGAR. Registered Nov. 10, 1925. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Renewed Nov. 10, 1945. Class 46.

205,654. **QUAKER SILK OIL.** OILS FOR LUBRICATING YARNS USED IN THE KNITTING ART FOR EMULSIONIZING YARNS OR THE FINISHED PRODUCTS. Registered Nov. 10, 1925. O. F. ZURN COMPANY, INCORPORATED, Philadelphia, Pa., a corporation of New Jersey. Renewed Nov. 10, 1945. Class 6.

205,660. **"QUAKER C-C-C" AND DRAWING.** CHEMICAL FOR SOFTENING AND FINISHING COTTON OR MERCERIZED HOSIERY, A SILK THREAD SOFTENER, A SOFTENER FOR SILK AND COTTON, A BLEACHED GLYCERIN SOFTENER, AN OIL FOR BOILING OUT GOODS FOR BLEACHING, A BLEACHING COMPOUND, AN OIL FOR CLEANING NEEDLES ON SILK-KNITTING MACHINES, A RESOLVENT COMPOUND, AN EMULSION, A FINISH FOR FAST-BLACK HOSIERY AND COTTON AND SILK, A DEVELOPER FOR INTENSIFYING THE COLORS, A DEGUMMING COMPOUND FOR DEGUMMING SILK, AND OTHER CERTAIN NAMED PRODUCTS. Registered Nov. 10, 1925. O. F. ZURN COMPANY, INC., Philadelphia, Pa., a corporation of New Jersey. Renewed Nov. 10, 1945. Class 6.

REISSUES

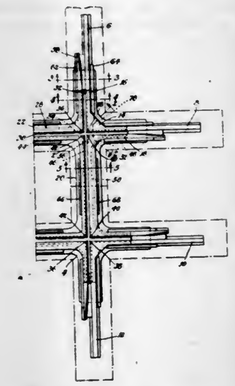
AUGUST 14, 1945

22,663
RAILWAY CROSSING

John V. Houston, Hartsdale, N. Y., and Berger R. Habel, La Grange, Ill., assignors to American Brake Shoe Company, a corporation of Delaware

Original No. 2,346,377, dated April 11, 1944, Serial No. 476,280, February 18, 1943. Application for reissue April 6, 1945, Serial No. 586,836

16 Claims. (Cl. 246—464)



13. A railway crossing of intersecting box-girder form having a centrally disposed box body and four projecting box arms, said crossing comprising a top bridging web, a base and vertical webs connecting said bridging web and base, said bridging web having intersecting flangeways forming a double gauge point and two single gauge points, the vertical webs of each box arm extending from the end of arm to said box body, inner vertical webs of said box body being disposed under said three gauge points to form corner supports, outer vertical webs of said box body being disposed in outwardly spaced relation to said three gauge points and extending across corresponding corners of the crossing, the vertical webs of each box arm merging with corresponding vertical webs of said box body, said vertical webs being generally unattached to other vertical webs spaced laterally outwardly or inwardly therefrom, except through said bridging web and base, thereby forming a plurality of horizontally extending, open interconnected tunnels located between the several laterally spaced vertical webs, said tunnels extending generally lengthwise of the box arms and intersecting in the box body.

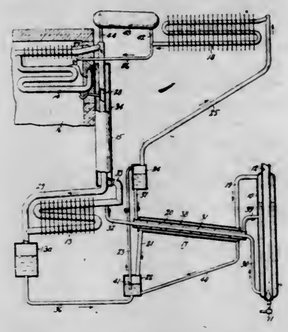
22,664
REFRIGERATION

Hugo M. Ullstrand, Stockholm, Sweden, assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,215,674, dated September 24, 1940, Serial No. 183,257, January 4, 1938. Application for reissue May 8, 1945, Serial No. 592,619

6 Claims. (Cl. 62—119.5)

1. In an absorption refrigeration system, a generator, a rectifier, an absorber, and a vapor liquid lift for causing circulation of absorption liquid between said generator and absorber, said rectifier being arranged for cooling thereof by absorption liquid flowing toward the said generator, and said lift being so connected to said



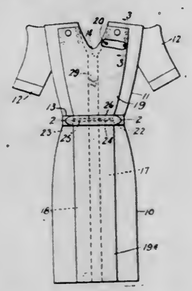
absorber and said rectifier and said generator as to receive liquid from both said absorber and rectifier and vapor from said generator and cause raising of said absorption liquid in its path of flow from said absorber toward said generator.

22,665
MATERNITY GARMENT

Ruth M. Mahoney, Santa Monica, Calif.

Original No. 2,272,017, dated February 3, 1942, Serial No. 402,657, July 16, 1941. Application for reissue February 19, 1943, Serial No. 476,475

10 Claims. (Cl. 2—76)



1. A maternity dress comprising a skirt having two generally parallel edges at the front thereof defining a centrally located space therebetween, a blouse portion, said blouse portion being slit in front from the waistline to the neckline, the split in the blouse portion being in vertical alignment with the space between the edges of the skirt, and a front panel overlying the slit in the blouse portion and extending from the shoulders thereof to the hemline of the dress, the edges of said skirt being folded back upon themselves and attached to said panel to define two pleats, means connecting the blouse portion to the skirt portion, the connection being interrupted adjacent the slit, a plurality of fasteners connecting the upper edge of said panel to the shoulder portion of said blouse, and a plu-

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REISSUES

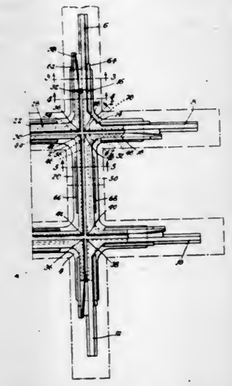
AUGUST 14, 1945

22,663
RAILWAY CROSSING

John V. Houston, Hartsdale, N. Y., and Berger R. Habel, La Grange, Ill., assignors to American Brake Shoe Company, a corporation of Delaware

Original No. 2,346,377, dated April 11, 1944, Serial No. 476,280, February 18, 1943. Application for reissue April 6, 1945, Serial No. 586,836

16 Claims. (Cl. 246—464)



13. A railway crossing of intersecting box-girder form having a centrally disposed box body and four projecting box arms, said crossing comprising a top bridging web, a base and vertical webs connecting said bridging web and base, said bridging web having intersecting flangeways forming a double gauge point and two single gauge points, the vertical webs of each box arm extending from the end of arm to said box body, inner vertical webs of said box body being disposed under said three gauge points to form corner supports, outer vertical webs of said box body being disposed in outwardly spaced relation to said three gauge points and extending across corresponding corners of the crossing, the vertical webs of each box arm merging with corresponding vertical webs of said box body, said vertical webs being generally unattached to other vertical webs spaced laterally outwardly or inwardly therefrom, except through said bridging web and base, thereby forming a plurality of horizontally extending, open interconnected tunnels located between the several laterally spaced vertical webs, said tunnels extending generally lengthwise of the box arms and intersecting in the box body.

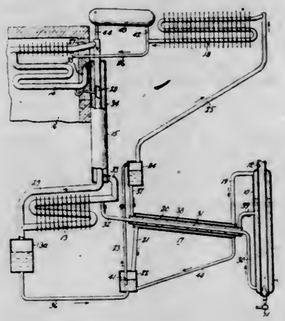
22,664
REFRIGERATION

Hugo M. Ullstrand, Stockholm, Sweden, assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,215,674, dated September 24, 1940, Serial No. 183,257, January 4, 1938. Application for reissue May 8, 1945, Serial No. 592,619

6 Claims. (Cl. 62—119.5)

1. In an absorption refrigeration system, a generator, a rectifier, an absorber, and a vapor liquid lift for causing circulation of absorption liquid between said generator and absorber, said rectifier being arranged for cooling thereof by absorption liquid flowing toward the said generator, and said lift being so connected to said



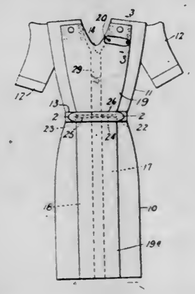
absorber and said rectifier and said generator as to receive liquid from both said absorber and rectifier and vapor from said generator and cause raising of said absorption liquid in its path of flow from said absorber toward said generator.

22,665
MATERNITY GARMENT

Ruth M. Mahoney, Santa Monica, Calif.

Original No. 2,272,017, dated February 3, 1942, Serial No. 402,657, July 16, 1941. Application for reissue February 19, 1943, Serial No. 476,475

10 Claims. (Cl. 2—76)

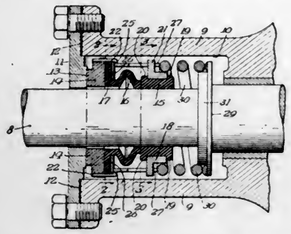


1. A maternity dress comprising a skirt having two generally parallel edges at the front thereof defining a centrally located space therebetween, a blouse portion, said blouse portion being slit in front from the waistline to the neckline, the split in the blouse portion being in vertical alignment with the space between the edges of the skirt, and a front panel overlying the slit in the blouse portion and extending from the shoulders thereof to the hemline of the dress, the edges of said skirt being folded back upon themselves and attached to said panel to define two pleats, means connecting the blouse portion to the skirt portion, the connection being interrupted adjacent the slit, a plurality of fasteners connecting the upper edge of said panel to the shoulder portion of said blouse, and a plu-

rality of fasteners for supporting said skirt pleat at different depths to allow for adjustment to accommodate increase in girth of the wearer, said first-named fasteners lying in different horizontal planes to allow said panel to be lowered as the waistline of the wearer increases, to insure maintenance of an even front hemline.

22,666
FLUID SEAL
Russel D. Snyder, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Original No. 2,360,372, dated October 17, 1944, Serial No. 496,096, July 26, 1943. Application for reissue January 22, 1945, Serial No. 573,961
10 Claims. (Cl. 286—11)

1. A shaft seal unit having a flexible and resilient sealing member with a preloading sleeve at one end, a flange at the other end and a resilient expansible connection between them; a frictional contact disk engaging the flange having driving notches in its edge, a sleeve with ribs to engage the notches and a reducing shoulder to

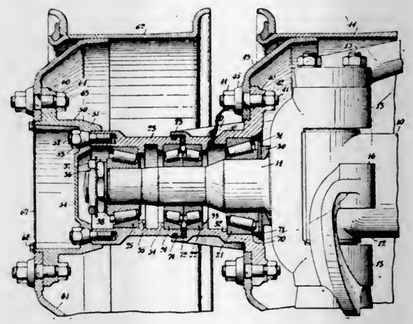


engage the side of the flange, and driving means comprising a confining ring surrounding the preloading sleeve and an extensible connection between the sleeve and the ring.

PATENTS

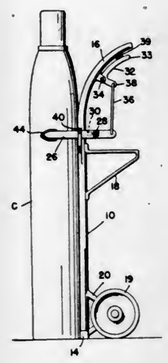
GRANTED AUGUST 14, 1945

2,381,857
DUAL WHEEL ASSEMBLY
Charles S. Ash, Milford, Mich.
Application July 20, 1943, Serial No. 495,493
5 Claims. (Cl. 301—36)



1. A dual wheel assembly comprising, in combination, a spindle, a pair of wheel hubs journalled on the spindle for free independent relative rotation, said hubs being in substantially cylindrical alignment, a hub extension member removably secured to the outer end of the outer hub, and a pair of inwardly dished wheels one removably secured to the outer end of the extension and the other removably secured to the inner end of the inner hub.

2,381,858
HAND TRUCK
George L. Austin, Seattle, Wash.
Application October 26, 1943, Serial No. 507,677
3 Claims. (Cl. 214—65.4)

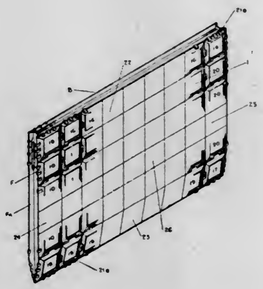


1. A hand truck, comprising: a frame having lower wheels and upper handle means, fixed means on said frame to engage a side of an object to be transported, an arm disposed fore and aft on said frame in opposition to said fixed means and to engage the other side of such an object, said arm being pivoted to said frame, a cam surface on said frame operable upon the forward part of said arm when the latter is moved downward to urge the same inward into gripping engagement upon such an object side, and means adjacent the handle means of said frame to urge the arm downward.

2,381,859
METHOD OF REMOVING MERCAPTANS FROM HYDROCARBON OIL
George W. Ayers, Chicago, and Lawrence M. Henderson, Winnetka, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application June 18, 1943, Serial No. 491,378
4 Claims. (Cl. 196—30)

1. The method of removing mercaptans from hydrocarbon oil which comprises contacting said oil with an aqueous solution containing not less than 10% by weight of free alkali metal hydroxide, not less than 10% by weight of alkali metal naphthenates, sufficient solventizer to keep the naphthenates in solution and not less than about 14% by weight of "methyl cellosolve."

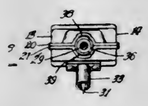
2,381,860
LINKS AND ORNAMENTAL FABRIC THEREFROM
Edmund W. Baggott, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York
Application November 27, 1944, Serial No. 565,327
5 Claims. (Cl. 41—34)



5. A mesh structure which comprises a series of units, said units having flanges, said flanges having flange-slots, said units having lugs, said lugs having lug-slots, respective lugs being located in respective associated flange-slots to interlock said units, each lug-slot being in registration with the respective flange-slot with which it is associated, bendable connecting members, each said connecting member comprising a succession of connecting legs which are disposed in zig-zag formation, each said leg being located intermediate the ends of said leg in a lug-slot and in a respective registering flange-slot, the junctions between successive legs being located in a lug-slot and in a respective registering flange-

slot, said connecting members preventing the withdrawal of said lugs from said flange-slots, said mesh structure having a backing associated therewith, said connecting members having end-portions which extend through the flanges of the edge-units of said series, said end-portions being fixed to said backing, additional connecting members which fix the flanges of said edge-units to said backing, said edge-units being held against movement in any direction relative to said backing.

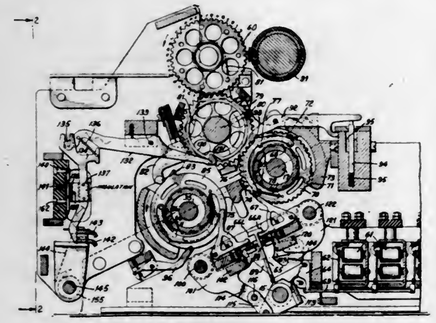
2,381,861
TRANSLATING DEVICE
Benjamin B. Bauer, Chicago, Ill., assignor to S. N. Shure and Frances Shure, as trustee, doing business as Shure Brothers, Chicago, Ill.
Original application May 21, 1941, Serial No. 394,564. Divided and this application March 27, 1943, Serial No. 480,773
3 Claims. (Cl. 179—100.41)



1. In a phonograph translating device having a torsional drive rod having its axis disposed generally parallel to the record surface under normal operating conditions, a mounting for said rod comprising a substantially hard journal encircling a portion of said rod, a compliant elastic member between said journal and said rod and supporting said rod within said journal, said journal, rod and elastic member being so constructed and arranged that the compliance of said elastic member to lateral motion of said rod varies around the periphery of said rod in such manner that greater compliance is present in a line passing through said rod axis and generally perpendicular to the record surface than in a line passing through the rod axis and generally parallel to the record surface.

2,381,862
PRINTING MECHANISM
Horace S. Beattie, East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 10, 1944, Serial No. 525,839
8 Claims. (Cl. 101—93)

1. In a record controlled machine, record analyzing means, a plurality of denominationally ordered type carrying members, each with a plurality of digit type 1–9 and a 0 type, an individual electromagnetic device for each order to select the digit type 1–9, and for effecting printing impressions from the digit type 1–9 and 0, a circuit for each electromagnetic device controlled by the analyzing means to energize the related electromagnetic device the first time to effect the selection of the digits 1–9, a printing impulse circuit common to the electromagnetic devices of all orders to concurrently energize the latter a second time to effect concurrent printing from selected digit type 1–9, an auxiliary circuit for each electromagnetic device of each lower order to cause the imprint from the 0 type of next lower order, and means controlled by the type carrying member of a lower order when at the 0 digit position and by the type carrying member of the next higher order when at any of the 1–9 digit positions to connect said printing impulse circuit to the auxiliary circuit of the electromagnetic device of said lower order to

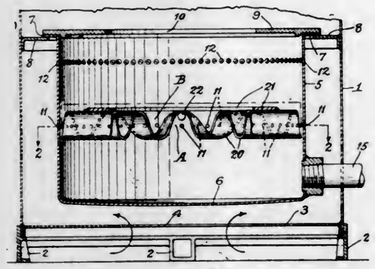


energize the latter at said second time to concurrently effect 0 digit printing in such lower order with printing from digit type 1–9 in other orders.

2,381,863
METHOD OF FUNGUSPROOFING TEXTILES
Paul George Benignus, Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 1, 1943, Serial No. 485,341
2 Claims. (Cl. 117—138.5)

2. A process of rendering a textile resistant to attack by mold organisms which comprises impregnating the textile with an aqueous solution of the copper salt derivatives of 8-hydroxy quinoline, said salt derivatives being solubilized at a pH below 2.7, subsequently raising the pH of the impregnated textile to a pH above 2.7, and thereafter washing the treated textile to remove water soluble substances.

2,381,864
POT TYPE BURNER WITH CORRUGATED PILOT RING
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application March 14, 1942, Serial No. 434,666
3 Claims. (Cl. 158—91)

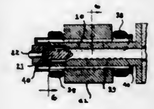


1. In a pot type burner, a burner pot with a wall having a single row of primary air inlet apertures therein, means for delivering secondary air at a level adjacent the top of the pot, means for supplying a liquid fuel to the bottom of the pot, a centrally apertured baffle ring including a radially corrugated portion, and means for supporting the ring at the general level of said single row of primary air inlet apertures, some of said apertures being in communication with the space in the pot below said baffle and others being in communication with the space in the pot above said baffle, the upwardly concave bends of the radial corrugations being in communication with the space in the pot above said baffle, and means for raising and lowering said baffle ring within a range limited to maintain the corrugated portion at all times in general horizontal alignment with said single row of primary air inlet apertures, whereby the relative numbers of said apertures in communication with the space above and below the corrugated portion may be varied.

2,381,865
COAGULANT METHOD
George T. Buchanan, Winnsboro, S. C.
No Drawing. Application August 10, 1943, Serial No. 498,086
1 Claim. (Cl. 117—163)

The process of depositing rubber from latex which comprises bringing the latex into contact with a surface coated with an alkaline water-soluble mixture of substantially equal parts of calcium oxide, calcium nitrate, and zinc acetate.

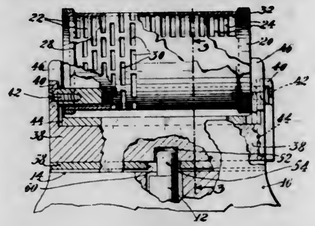
2,381,866
APPARATUS FOR INDUCTION HEATING OF MOLDING MACHINES
Melvin A. Crosby, Dayton, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application July 24, 1939, Serial No. 286,065
4 Claims. (Cl. 18—30)



4. An injection type molding apparatus comprising a mold and an injection cylinder containing plastic material to be molded, a high frequency primary coil surrounding at least a portion of the cylinder and a secondary circuit for said coil, said circuit including low resistance members embedded in said cylinder and disposed in inductive relation with respect to said primary coil, said primary coil constituting a hollow cylinder of elongated shape conforming to the configuration of the cylinder, and a core within the primary coil and extending transversely of the cylinder.

2,381,867
HAIR CLIPPER
Harry Aaron, New York, N. Y., assignor to Herbert E. Page, Pasadena, Calif.
Application March 21, 1938, Serial No. 197,094
6 Claims. (Cl. 30—43)

4. In a dry shaver having a base, a cylindrical cutter member movably carried by the base, said member presenting radial cutting surfaces, mechanical means for moving the cutter member, and a cylindrical skin-contacting guard provided with hair-admitting perforations, said guard being disposed loosely around and supported exclusively by the cutter member, and being freely rotatable relative to and independently of said



cutter member and mechanical means in response to movement of the base when the guard is in contact with the skin of the user.

2,381,868
TEXTILE PRINTING COMPOSITIONS
John R. Abrams, Jersey City, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 1, 1941, Serial No. 391,343
4 Claims. (Cl. 260—24)

1. A textile decorating composition comprising pigment dispersed in a lacquer the binder of which comprises from 1 to 4 parts by weight of a carbamide-formaldehyde resin soluble in a mixture of butanol and xylene, to 1 part by weight of methyl abietate.

2,381,869
COP TUBE OR HOLLOW CORE FOR PACKAGES OF YARN AND THE LIKE
Harald L. Amrhein and Emil E. Fuller, Woonsocket, R. I., assignors to American Paper Tube Company, Woonsocket, R. I., a corporation of Rhode Island
Application June 22, 1944, Serial No. 541,508
5 Claims. (Cl. 242—119)



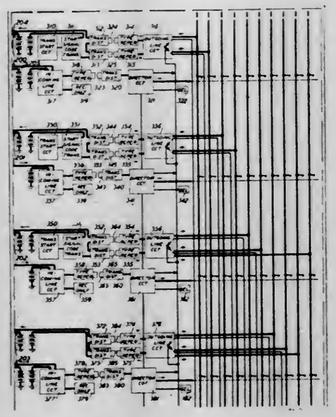
1. A cop-tube or yarn-support for textile materials comprising a tubular fiber barrel contracted at one end to form a terminal portion of reduced diameter, and a plastic thimble molded around the end of the barrel surrounding the reduced terminal portion thereof and extending into its interior to provide a bore of smaller diameter than that of the interior of the barrel.

2,381,870
SPOOL OR BOBBIN FOR SUPPORTING YARN, THREAD, CORD, OR THE LIKE
Harald L. Amrhein and Henry J. Feeley, Woonsocket, R. I., assignors to American Paper Tube Company, Woonsocket, R. I., a corporation of Rhode Island
Application June 22, 1944, Serial No. 541,509
6 Claims. (Cl. 242—119)



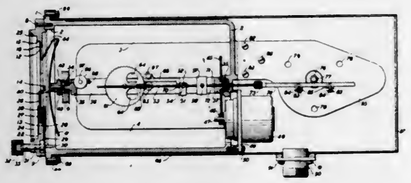
1. A spool or bobbin of the type indicated comprising a tubular fiber barrel having an annular groove on its periphery adjacent its end, and a head formed of plastic material molded around the terminal portion of the barrel and filling the groove therein, said head having an integral thimble portion projecting into the interior of the barrel and provided with an axial bore extending therethrough.

2,381,871
COMMUNICATION SYSTEM
Walter M. Bacon and Fullerton S. Kinkead, New York, and Joseph A. Krecek, New Rochelle, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1941, Serial No. 383,490
183 Claims. (Cl. 178—4)



1. In a communication system, a switching station, a plurality of communication paths extending from said station, a plurality of storage devices associated with and individual to each of said plurality of paths, switching apparatus located at said switching station, a plurality of transmitting devices connected to said switching apparatus, means for simultaneously establishing a plurality of communication paths through said switching apparatus, each of said paths extending from one of said transmitting devices to one of said storage devices, means for simultaneously transmitting messages from said transmitting devices to said storage devices over said plurality of paths, and means for thereafter transmitting said messages in succession over said communication path extending from said switching station.

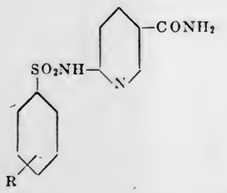
2,381,872
ARTIFICIAL HORIZON AND BANK INDICATOR FOR AIRCRAFT TRAINERS
Clarence I. Baker, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 17, 1943, Serial No. 498,913
7 Claims. (Cl. 177—337)



1. In a horizon and bank indicator for an aircraft trainer, a frame, a bank indicating scale secured thereto, a background disc, a pointer secured to said disc for cooperation with said scale, a pivoted horizon bar positioned in front of said disc, a motor for rotating said disc and said horizon bar together, whereby said pointer is moved with respect to said scale, and a second motor for moving said horizon bar about its pivot independently of said disc to move said bar in a plane parallel to the surface of said disc.

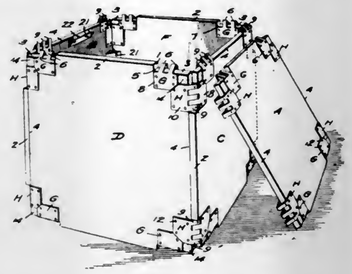
2,381,873
6-AMINO NICOTINAMIDE DERIVATIVES
William Braker, Brooklyn, and Edward Pribyl, Astoria, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 2, 1942, Serial No. 460,552
11 Claims. (Cl. 260—239.6)

1. A compound of the group consisting of: compounds of the general formula



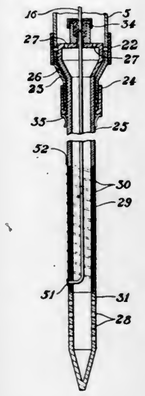
wherein R represents a member of the class consisting of nitro, amino, (lower alkyl)-amino, and acyl-amino; and salts of these compounds.

2,381,874
KNOCKDOWN CONTAINER
Glynn Artnie Britton, Washington, D. C.
Application February 1, 1943, Serial No. 474,331
4 Claims. (Cl. 217—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



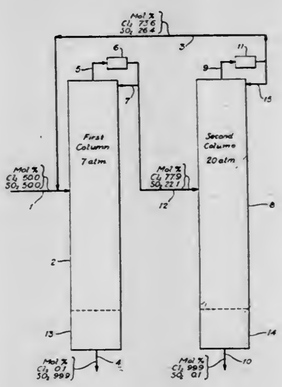
1. A knockdown container comprising identical rectangular wall-forming members respectively of greater length than width and provided with reentrant recesses in the shorter sides thereof at the corners, said members being relatively arranged in box-formation with the shorter sides of each member overlapping adjacent longer sides of two adjoining members to provide at each corner of the container three mutually perpendicular reentrant recesses, angle loops secured to the said members in set-back relation to the corners of the members, the loops of each member interfitting with the loops on the adjoining members across the intervening recesses, said loops having flat surfaces extending obliquely of the recesses and split tubular pins extending through and expanded within interfitting loops with slight portions only of the pins exposed at the outer ends of the loops.

2,381,875
APPARATUS FOR TREATING WELLS
Charles M. Bryant, Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 19, 1941, Serial No. 411,442
6 Claims. (Cl. 73—151)



2. In a fluid level indicating device for wells, the combination of a tubing string, a seat member carried by the lower end of the tubing string, a cylindrical tubular member capable of being lowered through the tubing string and adapted at its upper end to engage the seat member in sealing relationship while maintaining electrical contact between the tubing string and said tubular member, a resistance wire longitudinally mounted on the outer surface of the tubular member and electrically insulated therefrom, and electric circuit means including the resistance wire for measuring the change in resistance in the electric circuit as an electrically conducting liquid short circuits a portion of said wire.

2,381,876
PROCESS OF SEPARATING SULPHUR DIOXIDE AND CHLORINE BY DISTILLATION
Harrison C. Carlson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 21, 1941, Serial No. 407,767
8 Claims. (Cl. 23—177)



1. In a process for separating chlorine and sulphur dioxide, the steps comprising distilling fractionally at one pressure a mixture comprising chlorine and sulphur dioxide, whereby a residue rich in one of these components is obtained and an azeotropic mixture containing both components is formed as a distillate, and fractionally distilling this distillate at another pressure whereby a residue rich in the other component is obtained and a distillate of another azeotropic mixture is formed.

7. In a process for the production of chlorine and salt cake, the steps comprising treating common salt with sulphur trioxide at a temperature in excess of 450° C. whereby salt cake and an equimolar mixture of sulphur dioxide and chlorine are formed, liquefying the mixture, separating the sulphur dioxide and chlorine by fractionally distilling the liquid at one pressure to obtain a residue rich in sulphur dioxide and a distillate of azeotropic mixture of chlorine and sulphur dioxide and then distilling this distillate fractionally at a higher pressure to obtain a residue rich in chlorine and a second azeotropic distillate and returning this second distillate to the first distillation, the sulphur dioxide thus formed being oxidized to sulphur trioxide and returned to the initial step in the process for reaction upon additional salt.

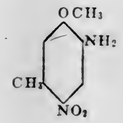
2,381,877

1-METHOXY-2-AMINO-4-NITRO-5-METHYLBENZENE AND PROCESS OF MAKING THE SAME

Marion Scott Carpenter, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application April 3, 1942, Serial No. 437,527
4 Claims. (Cl. 260—575)

1. A chemical compound having the following probable structural formula:



2,381,878

TEXTILE PRINTING PASTES AND TEXTILES PRODUCED THEREFROM

Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application July 13, 1939, Serial No. 284,213
4 Claims. (Cl. 260—15)

1. A textile printing paste comprising a dispersion of color in a vehicle comprising a water-insoluble cellulose ether soluble in carbon tetrachloride, and a solvent-soluble urea-formaldehyde resin, in mutual solution in organic solvents, the ratio of urea resin to cellulose ether being between 1 to 20 and 1 to 1, the paste being characterized by the complete indifference to carbon tetrachloride and the resistance to laundering of discontinuous films of the compositions after application to fabric and conversion of the resin to its insoluble form.

2,381,879

METHOD OF ELECTRICAL PRECIPITATION

Joseph F. Chittum, Whittier, Calif., assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California

No Drawing. Application July 18, 1944, Serial No. 545,537
11 Claims. (Cl. 183—114)

1. A method of removing suspended particles of acidic composition from gases which comprises adding to the gases a salt of an organic amine having an ionization constant greater than 5×10^{-5} at 25° C., and thereafter subjecting the gases to electrical precipitation.

2,381,880

ESTER

Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1940, Serial No. 372,391
15 Claims. (Cl. 106—287)

1. A polyhydric alcohol mixed ester of a monocarboxylic acid having ethylenic double bonds in the 2 and 4 positions in which the ethylenic carbon atoms that are in direct conjugation with the carboxyl group are each attached to no more than one hydrogen atom, and a monofunctional monocarboxylic acid of different structure.

9. A coating composition containing the product of claim 1.

2,381,881

MIXED ESTERS

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1940, Serial No. 372,392
30 Claims. (Cl. 106—252)

1. A polyhydric alcohol mixed ester of a β-furylacrylic acid and a monofunctional monocarboxylic acid of different structure.

12. A coating composition containing the product of claim 1.

2,381,882

ESTER

Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1940, Serial No. 372,393
20 Claims. (Cl. 106—252)

1. A polyhydric alcohol mixed ester of a cyano unsaturated monocarboxylic acid having ethylenic double bonds in the 2 and 4 positions in which the ethylenic carbon atoms that are in direct conjugation with the carboxyl group are each attached to no more than one hydrogen atom, and a monofunctional monocarboxylic acid of different structure.

10. A coating composition containing the product of claim 1.

2,381,883

ESTER

Merlin Martin Brubaker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 30, 1940, Serial No. 372,394
28 Claims. (Cl. 106—252)

1. A polyhydric alcohol ester of a cinnamalacetic acid.

12. A coating composition containing the product of claim 1.

2,381,884

SYNTHETIC RESINS AND COATING COMPOSITIONS CONTAINING THEM

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1941, Serial No. 411,576
22 Claims. (Cl. 260—22)

1. A β-furylacrylic acid-modified alkyd resin.

2,381,885

MIXED ESTERS

John C. Sauer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,221
11 Claims. (Cl. 260—410.8)

1. A polyhydric alcohol mixed ester of an α,β-ethylenic-α-(alken-1-yl) monofunctional monocarboxylic acid and another monofunctional monocarboxylic acid.

2,381,886

ESTERS

Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,223
7 Claims. (Cl. 260—410.7)

1. A polyhydric alcohol ester of an acylacrylic acid.

2,381,887

MIXED ESTERS

John C. Sauer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,224
5 Claims. (Cl. 260—410.8)

1. A polyhydric alcohol mixed ester of a monofunctional α,β-ethylenic-β-aryl monocarboxylic acid and another monofunctional monocarboxylic acid.

2,381,888

PROCESS OF MAKING MIXED ESTERS

Courtland Le Verne Agre, Minneapolis, Minn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,225
7 Claims. (Cl. 260—410.8)

1. A process for the preparation of polyhydric alcohol mixed esters of fatty acids of naturally occurring oils and α,β-unsaturated monofunctional monocarboxylic acids, which comprises the direct interaction of a naturally occurring glyceride, a polyhydric alcohol, and the α,β-unsaturated monofunctional monocarboxylic acid.

2,381,889

ESTERS

Merlin Martin Brubaker, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 30, 1942, Serial No. 441,226
9 Claims. (Cl. 260—327)

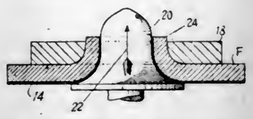
1. A polyhydric alcohol ester of a thienylacrylic acid.

2,381,890

METHOD OF FORMING LINED PRESSURE VESSEL CONNECTIONS

George D. Ebbets, Kenilworth, N. J., assignor to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey

Application June 13, 1942, Serial No. 446,943
3 Claims. (Cl. 29—148.2)



1. In the manufacture of a pressure part, fabricating a thick base plate with a relatively thin stratum of corrosion resistant metal integrally bonded thereto and of increased thickness over a part of the composite plate for ultimately forming a tubular connection, forging said part of said composite plate about an opening therein by pressure exerted against the lining and toward the base plate to form a tubular upstanding connection, the increased thickness of the liner stratum in the zone of forging compensating for the thinning of the lining involved in the forging operation, the thickness of the lining over the forging zone being such that the ultimate thickness of the liner of the tubular section is not less than the thickness of the liner of the unforged part of the composite plate.

2,381,891

FUEL COMPOSITION

Fred Elkan, New York, N. Y., assignor to "Incendor," Coal Igniter Company, Inc., New York, N. Y.

No Drawing. Application December 15, 1941, Serial No. 423,026
11 Claims. (Cl. 44—16)

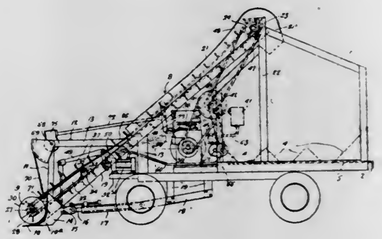
2. A fuel composition comprising a granular mixture of about 16 to 30% naphthalene and about 3 to 14% of additional hydrocarbons of about the same low flash point as said naphthalene but of higher calorific value, about 50 to 83% of finely divided coal material, and about 4 to 12% of hydrocarbons of a higher flash point and higher calorific value than said coal material, said additional hydrocarbons of a low flash point having a calorific value sufficient for igniting said most difficultly inflammable hydrocarbons, said hydrocarbons of a low flash point particularly in support of and in co-operation with the naphthalene adapted to insure the ignition of the said hydrocarbons of a higher flash point, all of the said hydrocarbons being incorporated in said naphthalene and said naphthalene intermixed with said hydrocarbons covering the particles of said coal material.

2,381,892

LOADER

John N. Fees, Spokane, Wash., assignor to Henry Brandt, Palouse, and L. O. Ballard, Spokane, Wash.

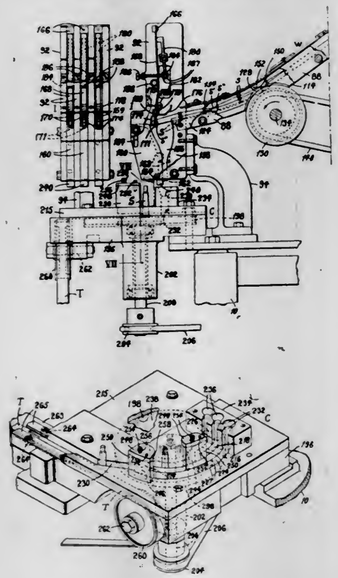
Application December 8, 1943, Serial No. 513,385
6 Claims. (Cl. 214—83)



1. In a loader, a carriage, a frame carried by said carriage and extending upwardly therefrom, conveyors carried by said frame and extending longitudinally of the carriage in transverse spaced relation to each other and having forward portions projecting from the carriage, means for driving said conveyors including a power unit and a shaft rotated thereby, an auxiliary frame under said carriage having a portion projecting forwardly from the carriage, a scoop extending horizontally between and outwardly from front ends of the conveyors, a cylinder carried by said carriage, a piston in

said cylinder having a rod extending from an end of the cylinder, a lever pivotally mounted and connected with the scoop and with the piston rod for actuation thereby, a pump driven by said shaft and connected with said cylinder for delivering fluid under pressure to the cylinder and moving the piston to actuate said lever, screw conveyor in front of said scoop extending longitudinally thereof and actuated from the longitudinal conveyors for delivering material to the longitudinal conveyors, and means for shifting the screw conveyor to vertically adjusted positions.

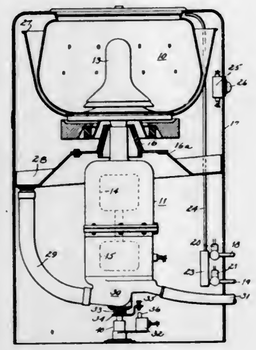
2,381,893
DISTRIBUTING APPARATUS
Mark E. Fernald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 11, 1942, Serial No. 434,301
19 Claims. (Cl. 198—32)



16. In an apparatus for distributing headed articles, a receptacle for a mass of the articles, a plurality of raceways to which the articles are delivered from the receptacle in plural series, combining mechanism by which such plural series are combined in a single series, an inverting mechanism receiving articles from the raceways and delivering them to the combining mechanism, a rotatable roll extending into each raceway and engaging successive articles to force the series out of the raceways in engagement with the inverting mechanism, and means for pressing the articles in each series against the corresponding roll.

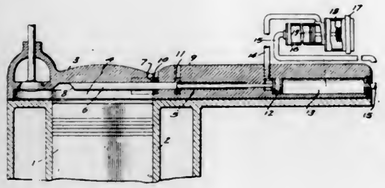
2,381,894
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 30, 1941, Serial No. 409,070
3 Claims. (Cl. 68—12)

1. In combination, a washing machine including a resiliently supported rotatable basket, agitating means in said basket, a source of liquid supply for said basket, valve means controlling the flow of liquid from said source to said basket, a timer controlling a sequence of operations of said washing machine, means under the control of said timer for preventing rotation of said basket and agitation by said agitating means during a filling period; means under the control of said timer tending to maintain said valve means open during said



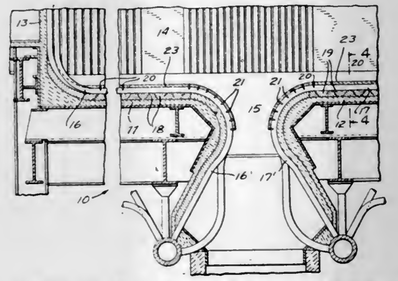
filling period, means responsive to the downward movement of said basket under weight of liquid added to said basket closing said valve means when said basket is filled to a predetermined amount, means under the control of said timer maintaining said valve means closed after said filling period, and means under the control of said timer causing agitation by said agitating means and rotation of said basket after said filling period.

2,381,895
COMPRESSION CONTROL DEVICE
David F. Foster, Napa, Calif.
Application August 23, 1943, Serial No. 499,651
5 Claims. (Cl. 123—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



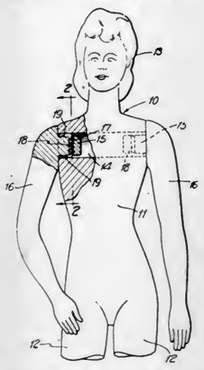
5. A compression control for an internal combustion engine comprising, in combination, a cylinder, a piston therein, a cylinder head having a recess in a side wall thereof forming a substantially wide and shallow slot disposed in a plane normal to the axis of the cylinder and opening into the combustion chamber at the top of the clearance space between the piston and the cylinder head, a flat plate mounted in the cylinder head for movement inwardly and outwardly of the opening between the clearance space and the slot and being positionably adjustable to be entirely housed within the slot for making available the maximum volume capacity of the clearance space or to be variously extended from the slot into the clearance space and across the inner surface of the cylinder head for reducing the volume capacity of the clearance space, and means for positionably adjusting the plate.

2,381,896
FURNACE
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Continuation of application Serial No. 343,965, July 5, 1940. This application October 21, 1942, Serial No. 462,854
5 Claims. (Cl. 122—235)



1. A furnace floor having a slag discharge opening therein, said floor comprising a plurality of blocks in relatively sliding contact with respect to each other, each of said blocks having a side in contact with an oblique side of an adjacent block, fluid conducting tubular members lining said blocks on the furnace side thereof and extending downwardly through said opening, and lugs secured to the tubular members and spaced axially a substantially greater distance from one another on portions of the tubes other than the downwardly extending portion than on the downwardly extending portion, said lugs being so disposed as to provide a plurality of dams extending substantially transversely of the tubes for retaining a covering of refractory material on said members.

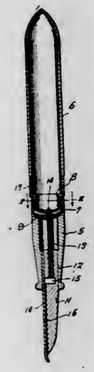
2,381,897
JOINTED MANIKIN DOLL
Max Geller, Brooklyn, N. Y.
Application September 22, 1942, Serial No. 459,233
1 Claim. (Cl. 46—173)



In a doll having a rigid body, said body having a pin receiving recess therein which is round in

cross section, an extremity member, a pin carried by and extending from said member, said pin extending into said recess free of the walls thereof, said pin having an opening extending transversely therethrough, and a flexible friction element passing through said opening and having its terminal end portions folded against opposed sides of the pin and in tight frictional contact with the side walls of said recess for turning and retachably connecting the member to said body.

2,381,898
CARTRIDGE FOUNTAIN PEN
Margaret Gergely, Waltz, Mich.
Application June 29, 1943, Serial No. 492,736
1 Claim. (Cl. 120—42)



A fountain pen comprising a tubular pen point holding section having a counterbore at its upper end to provide an internal annular shoulder, an ink cartridge forming the handle of the pen and having a reduced normally closed cylindrical lower end removably fitted and retained in said counter-bore, a packing washer seated on said shoulder and engaged by the lower end of the cartridge, a pen point and a feeder plug having their upper ends disposed in the lower portion of the pen point holding section, said feeder plug having an axial bore in its upper portion, a pocket intermediate its ends communicating with the lower end of said axial bore, and a longitudinal ink channel at the inner side of the pen point extending from the pocket to the lower end of the feeder plug, and a cylindrical tubular punch having its lower end fitted and secured in the axial bore of said feeder plug and projecting upwardly into the counter-bore of the pen point holding section so as to centrally puncture the lower end of the cartridge when the latter is fitted into said counter-bore, said packing washer having a central opening snugly receiving the upper end of the punch to prevent leakage of ink from the ink cartridge about said punch.

2,381,899
EXPANSION REAMER
James H. Gracey, Springfield, Mass.
Application August 21, 1943, Serial No. 499,441
3 Claims. (Cl. 77—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a tool of the kind described, in combination with a longitudinally-bored body having exterior cutting surfaces, a threaded portion at each end of the bore and an intermediate tapering

portion, an expanding member including an externally tapered part at one end and an externally threaded part at its other end, said threaded part of the expanding member engaging one threaded portion of the bore and said tapered



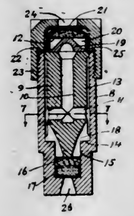
part engaging said tapering portion of the bore, a shank having a threaded portion engaging the other threaded portion of the bore, said shank being provided with a longitudinal lubricant groove therein, and a lubricant dispersion member mounted on said shank adjacent said body.

2,381,900

DELAY ELEMENT FOR FUSES

Raymond L. Graumann, Alexandria, Va., and Max W. Fischer, Washington, D. C.

Application September 18, 1933, Serial No. 689,918
11 Claims. (Cl. 102—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A delay element for fuses, comprising a body having a first chamber, a second chamber of less cross-sectional area than the first chamber in communication with said first chamber, and an aperture extending from an exterior surface of said body to the second chamber; a baffle member in said first chamber having a longitudinal bore of less length than the member, a transversely extending passage through the member connecting with said bore, a circumferential channel in the surface of said member of less width than the length of the member and grooves extending from one end of said member to said channel; a delay pellet in said second chamber adjacent said end of said member, detonating material adjacent to said pellet, an anvil disposed at the other end of said member, percussion explosive material contacting said anvil, a readily deformable member in which said anvil and said material are disposed, a flanged cup of readily deformable moisture proof material inclosing said percussion material, said anvil and said deformable member, and a cap engaged with said body to clamp the flange of said cup in moisture proof contact with said body, said cap being apertured to permit a firing pin to contact the base of said cup.

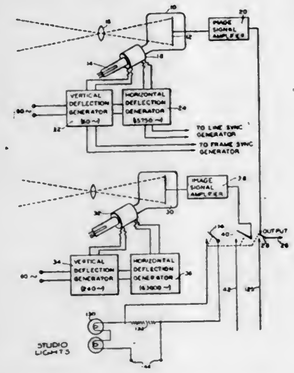
2,381,901

TELEVISION TRANSMITTING SYSTEM

Alfred N. Goldsmith, New York, N. Y.

Application August 26, 1942, Serial No. 456,133
20 Claims. (Cl. 178—6.8)

1. A slow motion television transmitting system comprising a television camera tube including a target electrode, means to generate a cathode ray beam, means to deflect the cathode ray beam in mutually perpendicular directions to scan the target electrode at a predetermined rate to produce image signals, a plurality of storage tubes each including a storage electrode, means to store the produced image signals on



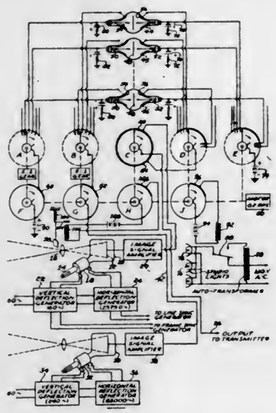
the storage electrodes of said tubes as electrostatic charges and means to remove the stored image signals at a rate that is slow as compared to their originally produced rate.

2,381,902

TELEVISION TRANSMITTING SYSTEM

Alfred N. Goldsmith, New York, N. Y.

Application December 20, 1944, Serial No. 569,081
13 Claims. (Cl. 178—7.2)



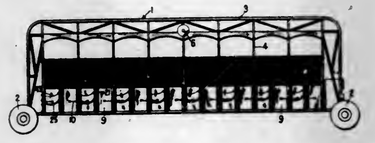
1. A reverse slow motion television transmitting system comprising a television pick-up tube including a target electrode, means to generate a cathode ray beam, means to deflect the cathode ray beam in mutually perpendicular directions to scan the target electrode at a predetermined rate to produce image signals representative of a sequence of individual complete images, a plurality of storage tubes each including a storage electrode, means to store the produced image signals, in normal sequence, on the storage electrodes of said tubes as electrostatic charges, and means to remove the stored image signals as a reverse sequence of complete images and at a rate that is slow as compared to their originally produced rate.

2,381,903

LOCKING MEANS FOR RACE HORSE STARTING GATES

Kenneth C. Goodman, Columbus, Ohio

Application October 9, 1942, Serial No. 461,501
2 Claims. (Cl. 119—15.5)



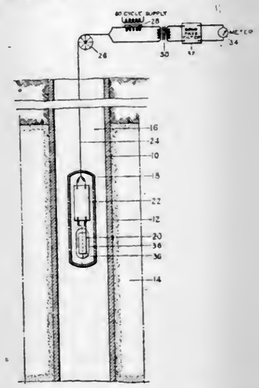
1. A starting gate structure including a frame and comprising a pair of hinged gate members having their free edges connected to one another when in closed position, means for releasably locking said members together, mechanism including hydraulic means supported on the frame structure and in communication with said locking means for normally maintaining the locking means in locked position, an electric circuit and an electro-magnet, the electric circuit and the magnet being effective to maintain the gate members closed and in locked position when energized, means for actuating said locking means at the will of the operator to free said gate members, and means for moving said gate members to open position when the locking means is released, said actuating means being adapted to break the circuit and de-energize the electro-magnet to operate the said mechanism and hydraulic means to permit movement of said locking means to released position and thereby permit opening of said gate members.

2,381,904

METHOD AND APPARATUS FOR LOGGING WELLS

Donald G. C. Hare, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 16, 1941, Serial No. 415,196
3 Claims. (Cl. 250—83.6)



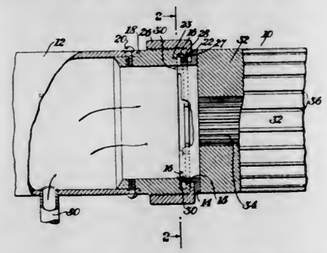
1. In an apparatus for measuring variations in radioactivity of the formations traversed by a bore hole, a housing, a radiation detector in said housing, a wire cable for lowering said housing through the hole and supplying power to said detector and circuit elements in said housing, a vacuum tube circuit in said housing for amplifying the output of said detector, a second vacuum tube circuit for converting negative potentials from said first circuit to positive potentials, a third vacuum tube connected to said second circuit for equalizing the pulses from said second circuit and converting them to a series of interrupted unidirectional pulses, an oscillating tube circuit for generating a high frequency carrier current, connections between said third tube and said oscillating tube circuit whereby said carrier is modulated by the output of said third tube, means in said housing for coupling said modulated carrier to said cable, means for separating said carrier at the surface from power supply voltage and means for indicating level of said carrier.

2,381,905

VACUUM TUBE MOUNTING

Ross B. Hoffman, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application February 6, 1943, Serial No. 474,977
14 Claims. (Cl. 250—27.5)



1. A mounting for vacuum tubes and the like comprising a metal cylinder, an externally threaded ring having means forming an internal annular groove at its outer end, attached to the end of the cylinder, said groove-forming means being provided with a plurality of arcuately shaped, circumferentially spaced openings connecting with said groove, a vacuum tube anode structure, a compound ring attached to said anode structure, said ring having an outwardly radially extending flange at one end and a plurality of arcuately shaped, circumferentially spaced, radially extending segments projecting from its other end and adapted to fit into said annular groove through said arcuate openings, whereby, when said anode structure is rotated, the arcuate segments will be out of alignment with said arcuate openings and the segments will be locked in the annular groove, the width of said segments being less than the width of the groove so as to permit longitudinal play of the segments in the groove, and an internally threaded ring screwed on said externally threaded ring and adapted to contact the flange on said compound ring, whereby, when said segments are in the groove and said internally threaded ring is screwed outwardly, the anode structure is moved away from the externally threaded ring by the action of the internally threaded ring on the radial flange of said compound ring and said segments are thus positioned and locked against a lateral face of the annular groove.

2,381,906

COLLAPSIBLE HEAT DIRECTING CLOSURE

Styles T. Howard, Jeffersonville, Ind.

Application October 16, 1942, Serial No. 462,272
1 Claim. (Cl. 126—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A collapsible heat-directing closure including a rectangular sheet formed of resilient material

having longitudinal edges and transverse edges, a hollow reinforcing bead extending along each longitudinal edge of the sheet and having a coupling socket in one terminal thereof, a resilient wire within each bead and having one terminal extending axially beyond the bead to provide a coupling projection adapted to be received in a coupling socket, the transverse edges of the sheet being thickened and reinforced by flanges turned back along said edges, the sheet, beads and wires being shaped and constrained by their in-



herent resiliency to form substantially a cylinder of given diameter having overlapping concentrically-disposed terminal portions, the closure forming a cylinder of greater diameter when the coupling projections are positioned in the coupling sockets in which position the transverse edges of the sheet are biased for movement circumferentially towards engagement with each other, whereby the tendency of the cylinder to contract maintains the coupling projections in the sockets and presses the reinforced transverse edges of the sheet together.

2,381,907

MINERAL OIL BENEFICIATION

Everett C. Hughes and Warner E. Scovill, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 21, 1940, Serial No. 371,134

4 Claims. (Cl. 252—48)

1. A lubricating oil comprising a mineral oil and a small amount of the reaction product of polymerized propylene with phosphorus pentasulphide, the latter being the primary ingredient reacting with the polymerized propylene.

2,381,908

PROCESS OF MAKING SULPHUR TRIOXIDE AND CATALYST THEREFOR

David M. Hurt, Wilmington, Del., and Charles A. Rohrmann, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 25, 1941, Serial No. 403,966

12 Claims. (Cl. 252—228.4)

1. In a process for oxidizing sulphur dioxide to sulphur trioxide, the step comprising bringing a gaseous mixture comprising sulphur dioxide and oxygen into contact with a fluid catalyst comprising a molten alkali metal sulphate having a melting point below about 700° C. and an oxygen compound of vanadium, there being present no infusible carrier for supporting the catalyst.

8. A fusible composition comprising an alkali metal sulphate having a melting point below about 700° C. and an oxygen compound of vanadium, there being present in the composition no infusible carrier capable of supporting the molten mass obtained by fusing the composition.

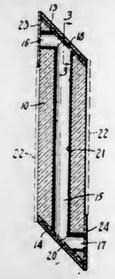
2,381,909

PERISCOPIC VIEWING AND SIGHTING DEVICE

Harry A. Husted, St. Clair, Mich., assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio

Application August 7, 1942, Serial No. 453,947

3 Claims. (Cl. 88—1)



1. A periscopic viewing and gun sighting device comprising a transparent block having parallel front and rear faces, and two opposed, internally reflecting end faces angularly disposed, at other than right angles, to said front and rear faces whereby light rays entering said block through a portion of said front face and incident to one said reflecting face are transmitted through the material of said block towards said other reflecting face and thence through a portion of said rear face, in lines out of registry with their lines of entry through said front face, said block being provided with an air passage therethrough of cross sectional area considerably less than that of said block and extending from said front face to one said reflecting face, thence to the other said reflecting face, and thence through said rear face, the wall surface bounding said passage having opaque covering means thereon, said passage having, in the neighborhood of its coincidence with said reflecting face, wall portions consisting of respective reflector means substantially coplanar with said reflecting faces whereby a group of light rays entering said passage through said front face traverse said passage, being successively reflected by said reflector means in turn, and emerge through said rear face, and whereby the periscopic field of vision of an observer at the rear face of said block is defined in part by rays transmitted through the material of said block, and in part by rays transmitted through said passage, and gun sighting means located in the line of sight through said passage so as to be superimposed on that portion of the field of view defined by said passage.

2,381,910

PUMP

Joseph F. Joy, Claremont, N. H.

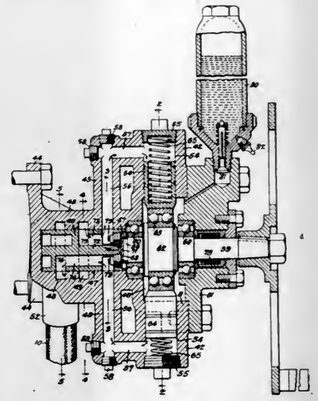
Application March 18, 1942, Serial No. 435,188

7 Claims. (Cl. 103—174)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A pump comprising a body having a chamber, a pressure outlet, and a suction inlet at least

one cylinder in said body radiating from the center of said chamber, a piston reciprocable in said cylinder, rotary means in said chamber to cause said piston to reciprocate, a valve chamber in said body coaxial with said chamber, a valve having two ports in said valve chamber and rotatable with said rotary means one of said ports being in communication with the pressure outlet of the pump and the other port being in communica-



tion with the suction inlet, and a pair of bleeder valves on said valve, one of said bleeder valves communicating between said chamber and one of said ports and the other of said bleeder valves communicating between said chamber and the other of said ports, whereby the particular one of the said pair of bleeder valves in communication with the said suction port serves to relieve the pressure in the said chamber.

2,381,911

ELECTRODEPOSITION

Bertram C. Kathe, Detroit, Mich.

No Drawing. Application September 16, 1940, Serial No. 357,009

20 Claims. (Cl. 204—30)

1. The method of producing a highly conductive metallic film of a continuous crystalline structure on an electrically non-conductive surface, comprising first embedding in said surface a film composed of a mixture of finely divided reductant substance of good electrical conductivity and finely divided conductive substance of lower electrolytic potential than said reductant substance, by impinging at high velocity an air suspension of said mixture against said non-conductive surface, removing the excess non-adhering material, then bringing said treated surface in contact with an aqueous metal solution toward which the reductant substance has a higher electrolytic potential than the metal or metals in solution.

2,381,912

COMPOUNDED MINERAL OIL

Frank W. Kavanagh, Bruce B. Farrington, and James O. Clayton, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 29, 1943, Serial No. 481,004

5 Claims. (Cl. 252—53)

1. A lubricant comprising a major proportion of a petroleum oil of lubricating viscosity, about 0.1 to 2% by weight based on the oil of a polyvalent metal salt of an alkylated phenol and about 0.05 to 2% by weight based on the oil of an aliphatic sulfide.

2,381,913

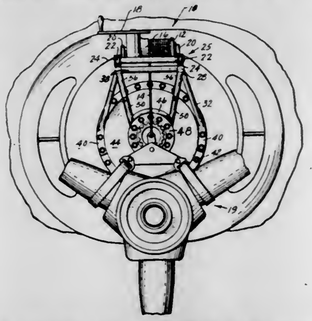
PROPELLER HOIST

Paul J. Leaver, Lowell, Mass., and Phillip W. Matthews, Fontana, Calif.

Application July 10, 1944, Serial No. 544,302

2 Claims. (Cl. 212—13)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for installing and removing a propeller from the propeller shaft of an aircraft engine of the type having a bowl-shaped nose member with the rim secured to the power section by a circular row of studs and nuts, and a propeller thrust bearing plate secured to the small end of the bowl, a hoist, a carriage for said hoist, runways for said carriage parallel to the axis of said shaft and above said shaft, a cantilever supporting structure for said runways which comprises a pair of horizontal parallel rails for supporting said runways, a pair of mounting brackets adapted to be secured to the rim of the bowl by the studs and nuts which are on opposite sides of, and substantially in the horizontal plane of the propeller shaft, an arcuate yoke fitted to the upper side of the periphery of the propeller thrust bearing plate, and a plurality of upwardly diverging braces extending from the brackets and from the ends of the yoke to spaced apart positions on the supporting rails.

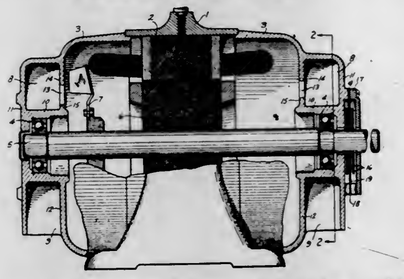
2,381,914

MOTOR HOUSING

Jerome Leflar and Victor L. Darnell, Dayton, Ohio, assignors to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application March 26, 1940, Serial No. 326,036

7 Claims. (Cl. 172—36)



1. In a splash-proof dynamo-electric machine, a casing, a head therefor including relatively

spaced walls, a vestibule chamber open at its bottom therebetween, a bearing hub interconnecting the spaced walls, there being an intercommunicating opening between the vestibule chamber and the interior of the casing in spaced relation above the bearing hub, baffle flanges disposed above and below said opening, a rotary shaft mounted in the bearing hub and extending beyond the head, a supplemental chamber open at its bottom through which the shaft extends beyond the bearing hub, a division wall within the supplemental chamber dividing said chamber into separate compartments, the openings in the outer wall and the division wall of said supplemental chamber being materially larger than the shaft, affording clearance spaces thereabout, and slinger rings carried by the shaft in each compartment of the supplemental chamber for intercepting moisture entering through the clearance spaces.

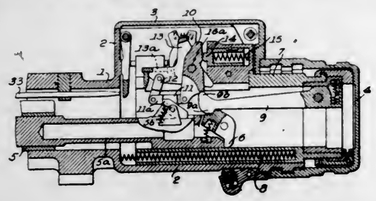
2,381,915
FLAT COATING COMPOSITION AND AN OILCLOTH MADE THEREFROM
Clifford M. Lent, Peekskill, N. Y., assignor, by mesne assignments, to Interchemical Corporation, a corporation of Ohio
Application July 30, 1941, Serial No. 404,645
11 Claims. (Cl. 106—132)



3. A coating composition which dries to a dead flat flexible film, which comprises a dispersion of pigment in a vehicle whose major binder constituent comprises drying oil, the ratio of pigment volume to binder volume not exceeding about 1.0, whereby the composition would normally dry to a film having some gloss, the composition having dispersed therein a small percentage of an aqueous fluid whose pH is adjusted approximately to slightly below the pseudo-iso-electric point of the pigment.

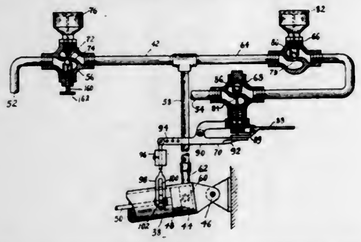
2,381,916
SEAR CONTROL MECHANISM FOR AUTOMATIC FIREARMS
Hanns Lippert, Zurich, Switzerland
Application June 14, 1940, Serial No. 340,499
In Switzerland June 17, 1939
7 Claims. (Cl. 89—27)

1. In an automatic firearm, firing on the breech block advance movement, the combination of a housing, a breech block slidable in the housing, a releasable sear hook arranged to hold the breech block against forward movement, a sear mechanism pivotally supported in the housing and comprising an articulated, quadrilateral structure, one of whose elements constitutes a locking member for the sear hook adapted to engage and lock the latter in breech block arresting position, a second element of said quadrilateral structure being arranged to be engaged and driven by the breech block during its passage through its rear portion of travel to carry the locking member back into the locking position after a period of release of said member, a third element of said quadrilateral structure acting as a release lever for the locking



member, the fourth element of said structure operating as a connecting link, a trigger member operable to cause tripping of the release lever with resulting disengagement of the said second element from the breech block, whereupon the locking member becomes movable to non-locking position, and means for urging said locking member towards unlocking position.

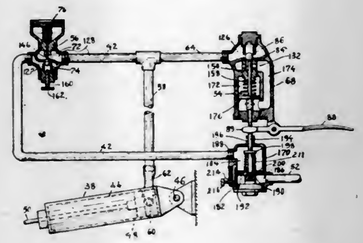
2,381,917
CONTROL FOR PRESSING MACHINES
Frank C. Lornitzo, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application January 28, 1941, Serial No. 376,286
12 Claims. (Cl. 121—38)



8. In a pressing machine, relatively movable pressing members, actuating means including a fluid motor for relatively moving said members to a pressing position, an inlet line for said fluid motor, an outlet line for said fluid motor, a fluid flow closable manually openable inlet valve in the inlet line, a fluid flow openable manually closable exhaust valve in the exhaust line, whereby manual opening of said inlet valve and manual closing of said exhaust valve may cause a flow of fluid to said fluid motor and a supplemental fluid flow closable manually openable exhaust valve in the exhaust line to permit flow of fluid through both said exhaust valves to evacuate said fluid motor to separate said pressing members on manual opening of said supplemental exhaust valve.

11. A control valve comprising a valve chamber having a partition having a port therein dividing said chamber into an inlet portion and an outlet portion, a socket projecting toward said port in said inlet portion and terminating at a spaced distance therefrom and having a passage from said portion in the wall thereof, a valve reciprocatable in said socket beyond said passage to and from positions closing said port, normally positioned by gravity in a position away from said port, and a valve stem operable from without said chamber to abut and move said valve away from said port, said valve being of such a weight as to be moved by the flow of fluid in said socket to close said port, said lower chamber also having means projecting upwardly within said socket to regulate the reciprocatable movement of the valve in said socket and hence the velocity of flow to which it responds.

2,381,918
FLOW CONTROL FOR PRESSING MACHINES
Frank C. Lornitzo, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application February 1, 1941, Serial No. 377,018
19 Claims. (Cl. 121—38)

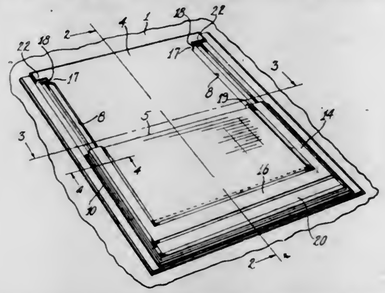


1. In a pressing machine, relatively movable pressing members, actuating means including a fluid motor for relatively moving said members to a pressing position and maintaining pressure, an inlet and outlet conduit system for said fluid motor having inlet valve means and outlet valve means, and manual means for effecting closure of said outlet valve means and for effecting opening of said inlet valve means, the weight of said valve means being such that the diminution of flow of fluid through said conduit system as said pressing members reach a pressing position is effective to maintain said outlet valve means closed and inlet valve means open to permit the release of said manually actuated means during the application of pressure.

9. In combination, a flow line, flow control mechanism in said line, an actuator for said flow control mechanism, comprising means in said line actuated by the flow of fluid through said line for actuating said flow control mechanism, means for bypassing a rapid flow through said actuator automatically rendered inoperative by a diminished flow and means for bypassing a diminished flow around said actuator to prevent actuation of said actuator by a diminished flow.

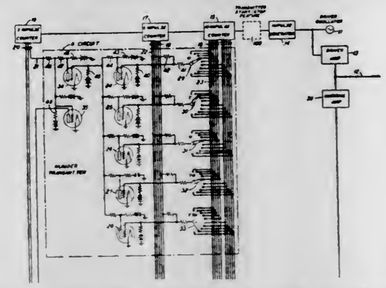
2,381,919
AUTOGRAPHIC REGISTER
Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application August 30, 1943, Serial No. 500,463
14 Claims. (Cl. 282—21)

1. An autographic register, including a writing tablet over which a continuous strip of series connected detachable form stationery having therein a series of longitudinally spaced feed holes is progressively advanced past a record receiving position, a reciprocatory slide, a forwardly inclined feeding pin carried by the reciprocatory slide and engageable in a hole in the stationery strip upon movement of the slide in one direction to advance the strip in unison therewith, and automatically retractable out of the hole in the strip upon retraction of the slide, and a forwardly inclined pin stationarily mounted in the structure engageable in a hole in the strip at



the limit of advancement of the latter under influence of the reciprocatory slide, over which the strip becomes engaged to prevent retrograde movement of the advanced portion of the strip upon retraction of the slide.

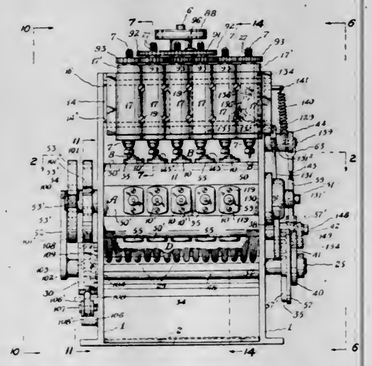
2,381,920
TELEMETRIC DEVICE
Ohmer R. Miller, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 17, 1944, Serial No. 522,713
3 Claims. (Cl. 177—337)



1. In a telemetric system, a plurality of transmitting circuit terminations, means for selectively marking said terminations, a corresponding plurality of receiving circuit terminations, an indicator individual to each said receiving termination, a transmission channel between said transmitting and said receiving terminations, electronic means for successively effectively interconnecting corresponding terminations over said channel, said electronic means comprising at each end of said channel a similar arrangement of counting tubes, each said arrangement consisting of a plurality of groups of said tubes in tandem, means whereby the first said group responds in repeated cycles to a series of input impulses, means whereby the first group produces a series of output impulses, one impulse for each of its repeated cycles, means whereby a second group responds in repeated cycles to the output impulse series of the first group and in turn produces a series of output impulses, one for each of its repeated cycles, means whereby a third group responds to the output impulses of the second group, means whereby the individual groups at one end of the channel cooperate to successively effectively connect for each count the circuit terminations thereat to the channel, means whereby

the individual groups at the other end of the channel cooperate to successively effectively connect for each count the circuit terminations thereat to the channel and a source of synchronizing impulses serving as the common input impulse series for the first group of each of the similar arrangements of counting tubes.

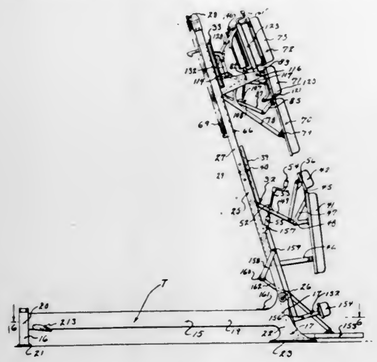
2,381,921
MILLING AND MARKING MACHINE
Eric T. Nord, Amherst, Ohio, assignor to U. S. Automatic Corporation, Amherst, Ohio, a corporation of Ohio
Application July 26, 1943, Serial No. 496,169
7 Claims. (Cl. 29—38)



1. A milling and marking machine having a frame, a rotatable milling spindle mounted therein for sliding movement, means for rotating the spindle, means for imparting periodic sliding movements to the spindle, a drum rotatably mounted in the frame, radially spaced work-holders mounted on the drum, means for imparting periodic rotating indexing movements to the drum, work-marking means effective adjacent to the work-holders, the assembly being such as, by the rotation of the drum, to bring the work-holders successively adjacent a dwell position of the drum for loading, another dwell position of the drum for milling, and still another position of the drum for marking, means for holding the drum from rotating, means for periodically rendering the holding means ineffective, gravity-actuated means rendered effective by the rotation of the drum for ejecting work from the holders during the rotation of the drum, and means for coordinating in timed relation the functions of the spindle-sliding means, the indexing means, the drum-holding means, the means for rendering the holding means ineffective, and the marking means.

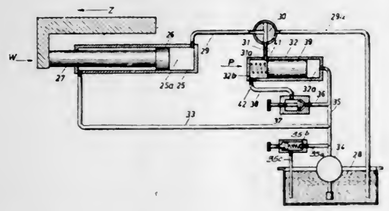
2,381,922
CHIROPRACTIC ADJUSTMENT TABLE
John G. Norris, Bloomer, Wis.
Application December 1, 1941, Serial No. 421,255
10 Claims. (Cl. 128—73)

1. In a chiropractic adjustment table, a base section, a table section pivoted thereon for movement to a raised elevated position or a lowered horizontal position, counterbalancing spring means operatively connecting the table section to the base section for normally urging the table section to a raised position, means detachably latching the table section in a lowered horizontal position on said base section, a plurality of supplemental counterbalancing springs connected to the table section, a platform rockably carried by the table section, a plurality of dogs carried by the base section for operatively connecting the supplemental springs with said base section, means normally holding the dogs in an



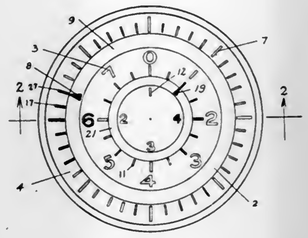
inoperative position, a slide frame carried by the base including push bars of different lengths for engaging the dogs one after the other for moving the same into an operative position, and means operatively connecting the platform with said slide frame.

2,381,923
HYDRAULIC DRIVE
Robert Obtresal, Magdeburg, Germany; vested in the Alien Property Custodian
Application November 23, 1940, Serial No. 366,840
In Germany June 15, 1939
2 Claims. (Cl. 60—52)



2. A regulating device, in combination with a piston, driven by a fluid, in a cylinder having two ports on opposite sides of said piston respectively, and a container for the fluid provided with a pump to supply the fluid to the piston, consisting of a pipe from said pump, having three branches, a throttle valve having its inlet connected with one branch, a casing connected at one end with a second branch, the outlet of the throttle valve being connected with the other end of the casing, a reciprocable piston in said casing between the two connections and having a spring urging it toward the first mentioned connection, an outlet from said casing so related to said casing piston that it may be partially covered thereby to vary the amount of fluid passing through said outlet, a pipe connected with said outlet, means adapted to connect, alternatively, said last mentioned pipe with one of the cylinder ports, and said cylinder port with said container, and a pipe connecting the third branch of the pipe from the pump with the other cylinder port.

2,381,924
ILLUMINATED DIAL
Willis Edwin Overton, Baltimore, Md.
Application January 10, 1944, Serial No. 517,659
3 Claims. (Cl. 250—72)



1. In combination with a measuring instrument having movable mechanism operated by the medium measured in a conventional manner, of a dial or the like mounted on the instrument and having markings of the measurements conspicuously arranged for illumination in relation to the area surrounding same on the dial, a carrier operated in conformity with the measuring facilities of the instrument and the said markings adapted to travel adjacent one side of the dial, and radio-activated material localized and graduatingly distributed on the carrier for making the specific markings conforming with the measurements attained by the said mechanism illuminate in a localized manner without making the said surrounding area interfere with the observation thereof, and an arrow indicator for pointing out specific readings coordinating with such measurements.

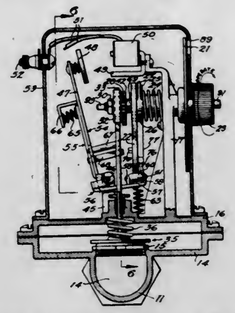
2,381,925
GLASS COMPOSITION
Alexis G. Pincus, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Application November 24, 1941, Serial No. 420,269
15 Claims. (Cl. 106—47)

1. A glass composition whose chemical analysis may be expressed as follows:

Ingredient	Parts by weight
P_2O_5	60 to 35
Al_2O_3	10 to 20
ZnO	1 to 80

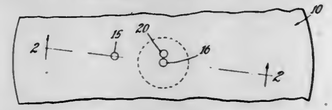
2,381,926
CONTROL APPARATUS
William A. Ray, Glendale, Calif.
Application May 20, 1941, Serial No. 394,338
17 Claims. (Cl. 74—1)

1. In a condition control apparatus: a device to be actuated, an actuating member, means interconnecting said device and said member and including a plurality of continuously-interconnected and normally relatively-movable elements, and means responsive to a condition of said apparatus which must be maintained during the entire period of operation thereof for so limiting the relative movement of said elements



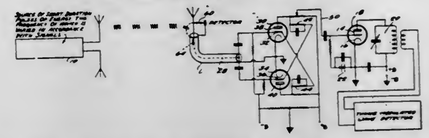
that actuation of said member effects actuation of said device only while said required condition exists.

2,381,927
TURNTABLE FOR PHONOGRAPHS AND SOUND RECORDERS
Vernon L. Roberts, Chicago, Ill., assignor of one-half to Richard H. Wann, Detroit, Mich.
Application November 27, 1941, Serial No. 420,725
11 Claims. (Cl. 274—39)



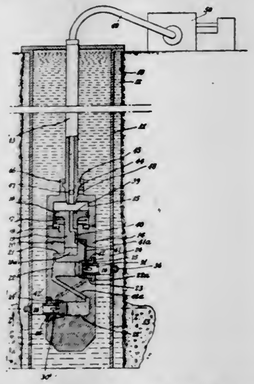
1. A turntable for supporting a record disc which has a central aperture, and a stud upstanding from said turntable and engageable in said aperture of the disc, means enabling said stud to be adjusted from a position at the center of the turntable to a position eccentric thereto, and means positively holding the stud at either position against movement transversely of its axis.

2,381,928
FREQUENCY MODULATED PULSE SIGNALING
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 5, 1942, Serial No. 433,460
6 Claims. (Cl. 250—6)



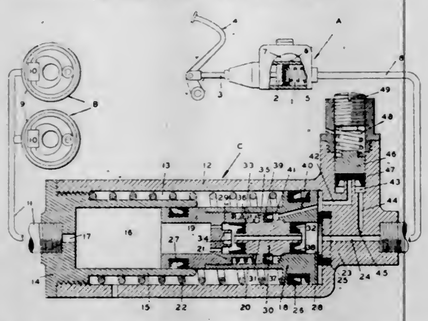
4. The method of demodulating short substantially constant duration pulses of radio frequency wave energy the pulse frequency of which is modulated substantially directly in accordance with signals including these steps, deriving from said pulses of radio frequency wave energy relatively long and constant duration pulses of direct current energy the rate of repetition of which varies in accordance with the signals, and deriving from said pulses of direct current energy an output the intensity of which is independent of the duration of said pulses of energy, the intensity of which output varies solely in accordance with the frequency of said pulses of direct current energy.

2,381,929
WELL CONDITIONING APPARATUS
Marcel Schlumberger, St. Gaudens, Haute Garonne, France; vested in the Alien Property Custodian
Application August 1, 1941, Serial No. 405,024
In France September 6, 1940
14 Claims. (Cl. 166—1)



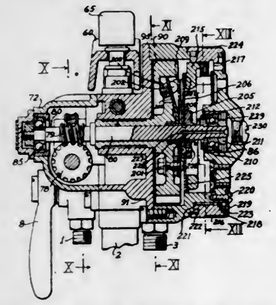
9. Apparatus for sealing off the space between a bore hole and its casing, comprising a body adapted to be lowered into a bore hole and having at least one bore therein, casing piercing means disposed in said bore and having a conduit therethrough, means for actuating said casing piercing means to cause it to penetrate the casing, and means, independent of said actuating means, for supplying sealing material through said conduit in the casing piercing means into said space, said independent supply means being inoperative until the casing piercing means has penetrated the casing.

2,381,930
FLUID PRESSURE COMPOUNDING SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 2, 1943, Serial No. 493,232
12 Claims. (Cl. 60—54.5)



6. In a fluid pressure system, a manually-controlled source of fluid pressure, a fluid motor to be actuated, a member provided with cylinders of different diameters, interconnected pistons in the cylinders for simultaneous movement, conduit means for connecting the smaller cylinder ahead of the piston therein to the fluid motor, conduit means for connecting the larger cylinder at the rear of the piston therein to the source, spring means for biasing the pistons to inoperative positions, means establishing a passage through the pistons and comprising a cylinder having a valve seat associated therewith at one end, a movable piston having a passage and being mounted in the cylinder to engage the seat to cut off communication through the pistons, means for biasing said member to valve open position, fluid motor means for moving said valve to closed position, and means for connecting said last named fluid motor means to the source to cause it to move relatively to the pistons when the fluid pressure from said source is above a predetermined value.

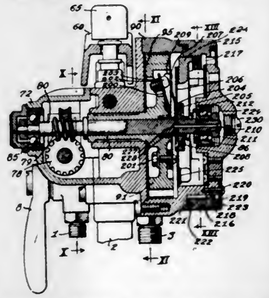
2,381,931
METAL SPRAY GUN OF THE WIRE FEED TYPE
Arthur P. Shepard, Forest Hills, and Herbert S. Ingham, Flushing, N. Y., assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y., a corporation of New Jersey
Application December 1, 1941, Serial No. 421,194
7 Claims. (Cl. 264—3)



1. A variable speed governing mechanism for a metal spray gun construction of the wire feed type having a compressed gas motor, comprising at least one arm, rotatable with the rotor of said motor and centrifugally deflectable for angular deflection with respect to its axis of rotation, against spring resistance, from a predetermined initial position of at least 60° with respect to said axis, speed control means composed of at least one first element and one second element, said first element being positioned and adapted to be operatively acted upon by said arm upon centrifugal actuation thereof, to cooperate, by mechanical movement, with said second element to thereby effect speed control of said rotor, and a separate mechanism for variably adjusting the relative position between said second element and the initial position of said first element within a range of mechanical movement of said first element defined by angular deflection of said arm between minimum and maximum operating speeds of said rotor.

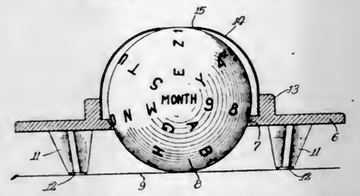
6. In a variable speed governing mechanism for a metal spray gun construction of the wire feed type, having a compressed gas motor, the improvement comprising a separate variably adjustable speed setting mechanism for said governing mechanism and an actuator element for said speed setting mechanism including at least one arm, rotatable with the rotor of said motor and centrifugally deflectable for operative engagement with said speed control means by angular deflection with respect to their axis of rotation, against spring resistance, from a predetermined initial position of at least 60° with respect to said axis.

2,381,932
SPEED GOVERNING MECHANISM FOR METAL SPRAY GUNS OF THE WIRE FEED TYPE
Arthur P. Shepard, Forest Hills, and Herbert S. Ingham, Flushing, N. Y., assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y., a corporation of New Jersey
Application December 1, 1941, Serial No. 421,195
23 Claims. (Cl. 188—180)



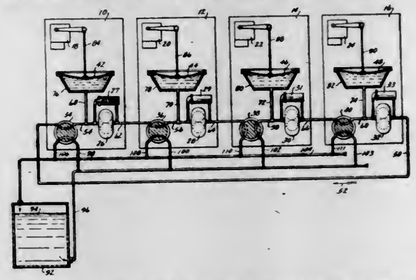
1. In a metal spray gun construction of the wire feed type, having a compressed gas motor, the improvement comprising a rotor for said motor, first means rotatable with said rotor and comprising at least one arm centrifugally deflectible with respect to its axis of rotation, against spring resistance, from a predetermined initial angular pre-set position with respect to said axis, second means composed of at least one first and at least one second friction element, one of said first and said second friction elements being rotatable with said rotor and the other mounted for braking action with said rotatable friction element upon frictional engagement therebetween, said first friction element being positioned and adapted to be operatively acted upon by said first means upon centrifugal actuation thereof for total mechanical movement defined by the centrifugal movement of said first means between minimum and maximum operating speeds of said rotor to frictionally bear against said second friction element to thereby effect speed control of said rotor by power absorption, and means for variably adjusting the relative position of distance between said second friction element and the initial position of said first friction element throughout the range of said total mechanical movement of said first friction element.

2,381,933
PLANCHETTE
Joseph W. Sloper, Crystal Lake, Ill.
Application April 28, 1944, Serial No. 533,167
8 Claims. (Cl. 273—161)



3. A planchette, comprising a platform providing a flat circular finger board provided with a round central opening, a plurality of legs slidably supporting said platform, a ball of larger diameter than said opening projecting downwardly through the opening a distance slightly greater than the length of the supporting legs, and means for concealing the portion of the ball projecting above the platform, said concealing means being provided with an opening through which characters carried by said ball may be recognized.

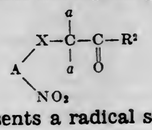
2,381,934
MULTIPLE-UNIT SPEED CONTROL
John A. Spanogle, Dayton, Ohio
Application January 15, 1944, Serial No. 518,419
2 Claims. (Cl. 60—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus which includes two or more power units, a control means for synchronizing any or all of the power units with any selected one of said power units, said control means comprising, for each power unit, a fluid pump driven by said power unit, a suction conduit and a discharge conduit for each pump, a speed regulating device associated with said power unit, a speed sensitive device connected to the inlet side of the pump and adapted by variation in pressure to operate said speed regulating device, and a selector valve for connecting the suction conduit of one pump to the discharge conduit of the pump next preceding, a fluid tank common to all power units, a suction manifold and a discharge manifold each having branches extending to the selector valves, and means included in each selector valve operative to one position to connect the suction and discharge conduits of succeeding pumps together and a branch of the suction manifold to a branch of the discharge manifold, and operative to another position to connect the suction conduit of one pump to a branch of the suction manifold, and the discharge conduit of the next preceding pump to a branch of the discharge manifold.

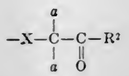
2,381,935
PROCESS FOR PRODUCING MORPHOLINE COMPOUNDS
William H. Strain and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 16, 1940, Serial No. 365,988
6 Claims. (Cl. 260—241)

2. A process for preparing aromatic morpholines and parathiazines which consists of hydrogenating compounds having the general formula:



wherein A represents a radical selected from the

group consisting of phenylene and naphthylene nuclei, the



group being attached to the 1-position and the nitro group to the 2-position of the said nuclei, a and R^2 represent radicals selected from the group consisting of hydrogen, alkyl, phenyl and tetrahydro-furfuryl, and X represents a radical from the group consisting of oxygen and sulphur, with shaking in the presence of a metal hydrogenation catalyst under elevated temperature and pressure conditions.

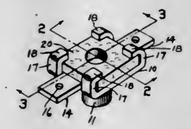
2,381,936

LOCK NUT DEVICE

Albert A. Sargent, Jr., Niagara Falls, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application July 23, 1942, Serial No. 451,992

1 Claim. (Cl. 151—7)



A lock nut comprising a base formed with a tubular threaded barrel extending from one side of the base, a non-circular yieldable lock washer assembled therewith on the opposite side of said base and in axial alignment with said barrel, portions of said base on opposite sides of said barrel being bent away from said base and then towards each other for securing said washer in fixed assembled position.

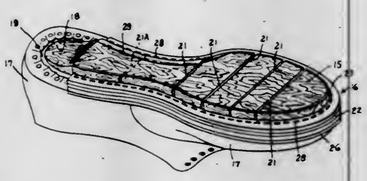
2,381,937

BOOT AND SHOE AND OUTSOLE THEREFOR

Gilbert Supple, Waban, Mass.

Application June 5, 1943, Serial No. 489,772

23 Claims. (Cl. 36—33)



1. In an outsole construction for boots and shoes, the combination with an outsole body having segmental tread portions spaced apart at least at the opposite sides of the body and at least one surface extending inwardly from the lateral margin of the body, of welting outstanding from the lateral margin portion of the body and secured to said surface, said welting forming a lateral extension of said body and said extension being of substantial width so as to be adapted to engagingly underlie portions of a shoe upper and receive means for permanently attaching said extension to said underlain upper portions.

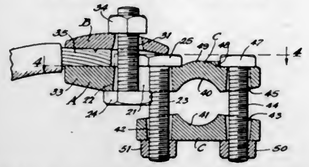
2,381,938

BATTERY TERMINAL

William G. Tenney, Chicago, Ill.

Application August 2, 1943, Serial No. 496,976

6 Claims. (Cl. 173—259)



1. A battery terminal comprising a bar formed at one end into a jaw and reversely at its opposite end into a clamp, a second jaw coacting with the jaw end of the bar, a second clamp coacting with the clamp end of the bar, three threaded bolts extending through the bar, one of them through the second jaw and two of them through the second clamp, polygonal heads on two of the bolts each in engagement with the shank of the other bolt to provide a mutual lock against rotation and one of the bolt heads affording a fulcrum bearing for the second jaw, and nuts threaded on to the bolts adapted, when advanced, to bear against the second jaw and second clamp for producing coaction thereof with the bar.

2,381,939

PROCESS OF PRODUCING A DISPERSIVE AGENT

Arthur J. Tiede, Detroit, Mich., assignor to Grover C. Bear, Detroit, Mich.

No Drawing. Application March 10, 1942, Serial No. 434,122

2 Claims. (Cl. 252—356)

1. A process of producing a dispersive agent, which comprises comminuting to a finely divided form saponin-containing vegetable matter preparatory to extraction, subjecting said matter for extraction purposes to methyl alcohol as a solvent, separating the extract from the vegetable residue, treating such residue with alkaline water to effect a further extraction and destroy enzymes, adding a suitable quantity of cereal gluten to replace such enzymes, heating the treated residue to an approximate boiling temperature, separating the resultant extract from the residue, concentrating the extract to syrup consistency, boiling the concentrate and treating it while boiling with zinc chloride in aqueous solution as a catalyst, filtering the product and treating the filtrate, when cooled, with acetone to obtain a precipitate, separating the precipitate from the filtrate, washing it with acetone, and drying such precipitate.

2,381,940

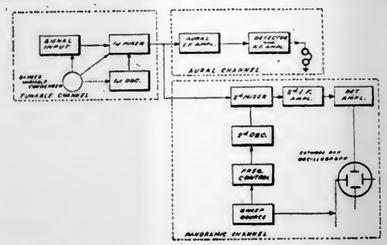
METHOD AND APPARATUS FOR SIMULTANEOUS AURAL AND PANORAMIC RADIO RECEPTION

Marcel Wallace, New York, N. Y., and Horace G. Miller, Belleville, N. J., assignors, by mesne assignments, to said Wallace, doing business as Panoramic Laboratories, New York, N. Y.

Application July 17, 1941, Serial No. 402,822

20 Claims. (Cl. 250—20)

1. A signal receiving system adaptable to be connected to a superheterodyne radio receiver having a signal selecting circuit and an intermediate frequency amplifier and an audio responsive device, a source of periodically varying voltage and electronic means controlled by the said varying voltage for periodically and automatically tuning the said signal receiving system over a wide frequency band extending equally above and below the frequency of the said amplifier, means for amplifying the ends more than the center of the said wide band so as to substantially compensate for the sharpness of the said signal



selecting circuit, and visual means operated in synchronism with the said periodically varying voltage for reproducing on a screen, in spaced relationship corresponding to their respective frequencies and amplitudes, the signals receivable over the said frequency band, said visual means operating simultaneously with and independently of the said audio responsive device.

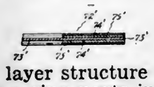
2,381,941

FRICTIONAL APPARATUS

Samuel K. Wellman and Charles B. Sawyer, Cleveland Heights, Ohio, assignors to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio

Application May 19, 1942, Serial No. 443,562

16 Claims. (Cl. 188—251)



1. A multiple layer structure for use as one of the mutually engaging parts in frictional apparatus in the operation of which slippage occurs between those parts, the said structure comprising a structural layer of solid metal, a frictional facing layer of sintered powdered material composed at least predominantly of high-melting-point metal, an intermediate layer disposed between the other said layers and formed of metal of high melting point and thermal conductivity not substantially less than .40 cal./sec./cm./sq. cm./deg. C. and having high thermal conductance parallel to the said layers in comparison with the facing layer and the structural layer, the intermediate layer being integrally bonded to the facing layer substantially throughout their adjacent surfaces, and means intimately uniting the intermediate layer and the structural layer substantially throughout their mutually adjacent surfaces, the several layers, the integral bond between the facing layer and the intermediate layer, and the means uniting the intermediate layer and the structural layer all being capable in operation of the apparatus of withstanding high temperatures without disintegration.

2,381,942

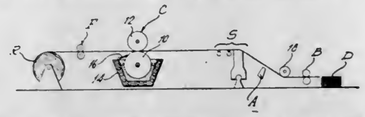
APPARATUS FOR SMOOTHING THERMOPLASTIC COATING MATERIALS

Arthur M. Wickwire, Jr., Mountain Lakes, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application December 31, 1941, Serial No. 425,213

2 Claims. (Cl. 91—53)

1. Apparatus for smoothing a thermoplastic coating material which has been applied upon one surface of a traveling web, comprising the combination of means for applying a high temperature flame directly upon the coated surface, means for smoothing the thus heated coated



surface, and means for applying a second high temperature flame upon the smoothed coated surface immediately after it leaves such smoothing means.

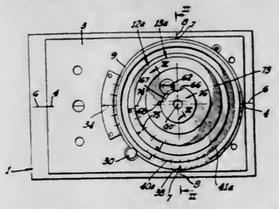
2,381,943

DRILL JIG

William C. Williams, Santa Monica, Calif.

Original application May 26, 1942, Serial No. 444,537. Divided and this application March 18, 1944, Serial No. 527,076

1 Claim. (Cl. 77—62)



In a fixture, the combination of: an inner bushing defining a tool guiding line; an outer bushing; means mounting said inner bushing on said outer bushing for rotation about an axis extending parallel to but spaced from said tool guiding line; protractor means associated with said inner bushing and with said outer bushing for measuring the angular position of said inner bushing relative to said outer bushing; a base member; means mounting said outer bushing on said base member for rotation about another axis extending parallel to but spaced from the axis of rotation of said inner bushing; an adjustable protractor ring mounted for independent rotation on said base member concentrically with said outer bushing; means on said base member defining an index positioned to cooperate with said protractor ring; means on said protractor ring defining another index; and means on said outer bushing defining a protractor scale positioned to cooperate with said other index.

2,381,944

WOOD FINISHING SYSTEM

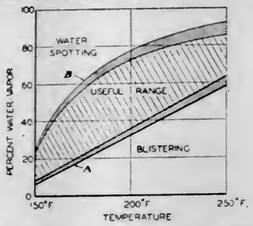
Melville M. Wilson and William E. Berry, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application May 15, 1941, Serial No. 393,556

2 Claims. (Cl. 117—103)

1. A process of finishing wood to produce a hard, tough, smooth surface, free of blistering or bubbling, with a resinous coating, which is polymerizable by heat of the order of 150–250° F. to a hard film, which comprises applying the resinous coating to the wood, and heating the coated wood for a sufficient time to harden the coating, to a temperature in the range of from 150 to 250° F., in which range of temperature blistering and bubbling is ordinarily encountered, the heating being conducted in an atmosphere which prevents blistering and bubbling by reason of its high water vapor concentration, which is within

the area bounded by a lower line which passes through about 7% by volume of water vapor at 150° F., about 35% at 200° F., and about 60%



at 250° F., and by a higher line which passes through about 22% at 150° F., about 60% at 175° F., about 75% at 200° F., and about 85% at 250° F.

2,381,945
METHOD OF PRODUCING CAST REFRACTORY
Theodore E. Field and Harold T. Smyth, Louisville, Ky., assignors to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application April 10, 1940, Serial No. 328,992
7 Claims. (Cl. 106—40)

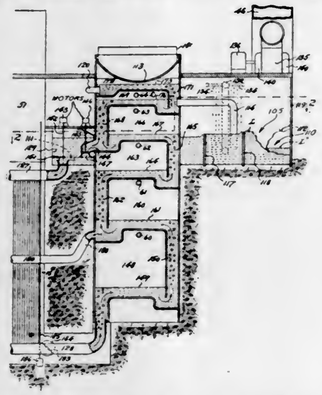
1. The hereinbefore described method of producing a refractory casting free from large voids which comprises casting the molten refractory and filling the pipe formed by the crystallization thereof with additional molten refractory mixed with a sulphate capable of dissociating sulphur trioxide at temperatures between 400° and 1100° C. and dissociating the sulphur trioxide by the heat present in the refractory prior to its solidification.

2,381,946
ADHESIVE CEMENT PRODUCTS AND PROCESSES OF MAKING SAME
Kenneth Findley, Arthur C. Krueger, Roy H. Hecker, and Jesse Matteson, Milwaukee, and Ralph Findley, Elm Grove, Wis., assignors to The F. G. Findley Co., Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application December 3, 1942, Serial No. 467,812
13 Claims. (Cl. 106—229)

6. An adhesive composition comprising seventy-four to seventy-nine per cent of a resin, ten to fifteen per cent of a hydrogenated oil, the glycerids of which have been converted to stearin with not over three per cent fatty acid present, said oil having a titre of between fifty degrees centigrade and seventy degrees centigrade and being not more than seven per cent soluble in the resin at twenty-one degrees centigrade, the oil functioning to lower the solidifying temperature of the adhesive to a point where it will remain tacky after application, five to ten per cent of an amorphous wax functioning to retard crystallization and to give the adhesive the property of easy release from a mold, two to five per cent of a paraffin wax functioning to control the melting point of the adhesive, and one per cent of an antioxidant.

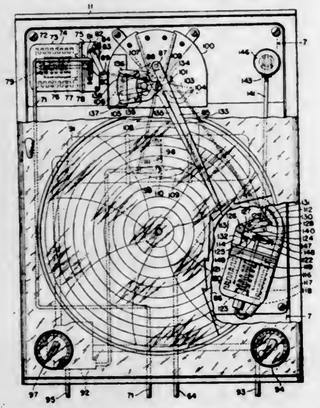
2,381,947
ENERGY RECLAMATION MEANS
Frazer W. Gay, Metuchen, N. J.
Application March 7, 1944, Serial No. 525,427
6 Claims. (Cl. 122—40)

1. In a power reclaiming system, means to direct flow of a stream of highly heated waste gases containing heat desired to be reclaimed, means to direct flow of a stream of water in counterflow relation to said stream of gases, said latter means including spraying means adapted to promote transfer of heat from the gases to the water in a low temperature range of heat transfer, heat transfer means extending to great depth underground adapted to receive the water stream and to carry the same at high head in juxtaposition



to said gases in the high temperature range of heat transfer, whereby all the transferred heat received by the water is carried thereby as sensible heat, and heat reclaiming means through which the water from said heat transfer means is caused to rise, said reclaiming means being adapted to progressively extract the heat from the rising water in the form of steam and subject to to use at a temperature very little below the extraction temperature in the waste gas stream.

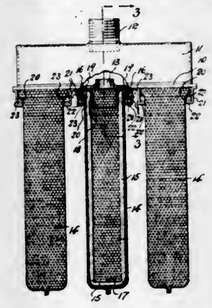
2,381,948
CONTROL SYSTEM
Louis Gess, Jenkintown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 29, 1942, Serial No. 428,735
3 Claims. (Cl. 137—153)



3. In a control instrument having a control unit with an adjustable control point and being mounted in a casing, control point adjusting means for said unit mounted in said casing including a support pivotally mounted in said casing, parts forming an expansible chamber

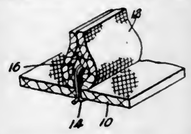
mounted on said support, one of said parts including a movable wall that is expanded in response to a pressure thereto, an adjustable lever system to adjust the control point of said unit, a connection between said wall and lever system to permit movement of the latter as said wall moves, means to vary the point of engagement between said lever system and said connection, and means to bodily move said support around its pivot to adjust said lever system.

2,381,949
MEANS FOR DETACHABLY MOUNTING STRAINER BAGS
Alfred M. Goodloe, Montclair, and Louis A. Kisch, Little Falls, N. J., assignors to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application August 17, 1944, Serial No. 549,896
3 Claims. (Cl. 210—190)



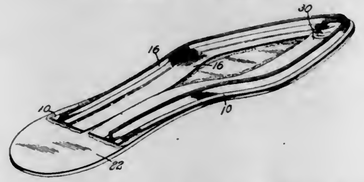
1. A strainer device provided with a clean liquid receiving and discharge means having an external wall provided with liquid passage means entering therethrough, a strainer bag, an openwork frame within said bag whereby to expand the bag, said frame having externally projecting top rim means lying within the open mouth of the bag and about which marginal portions of the bag mouth walls are folded in enclosing relation thereto so as to provide external shoulder portions adjacent the bag mouth, laterally spaced slideway members depending from said wall to straddle said liquid passage means therein, spring means carried by said slideway members, said shoulder portions of the bag enclosed rim of said frame being slidably movable onto said slideway members so that said shoulder portions are engaged by said spring means, whereby to releasably hold said bag in operative assembled relation to said liquid passage means in said external wall.

2,381,950
MANUFACTURE OF INSOLES
Stanley M. Griswold, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application July 29, 1943, Serial No. 496,546
7 Claims. (Cl. 36—22)



1. A strip for forming ribs on insoles comprising a base layer, a rib-forming layer and a reinforcing layer applied to the rib-forming layer, the lower surface of the base layer being coated with cement whereby said layer is adapted to be secured throughout the extent of its cemented surface to an insole body, the upper surface of the rib-forming layer being coated with cement, all of said layers being connected together between their edges by a single continuous line of chain stitching the chain of which lies upon the reinforcing layer so that when the marginal portions of the rib-forming layer are folded toward each other to form the rib they will enclose both the reinforcing layer and the chain of the stitches and the rib will taper outwardly of the base layer.

2,381,951
MANUFACTURE OF INSOLES
Stanley M. Griswold, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application July 29, 1943, Serial No. 496,547
22 Claims. (Cl. 36—22)



1. A composite strip for application to insoles to form sewing ribs thereon comprising an upstanding sewing rib having attaching flanges at its base and a reinforcing strip attached to one side of the rib, extending into the angle between the rib and one of the flanges and projecting a substantial distance beyond the flange, the attaching faces of the flanges and reinforcing strip being coated with cement.

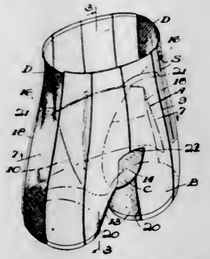
2,381,952
STABILIZATION OF ORGANIC SUBSTANCES
Ivan Gubelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 12, 1943, Serial No. 472,159
12 Claims. (Cl. 44—73)

1. A composition comprising an organic substance, normally subject to deterioration caused by the action of molecular oxygen, containing a catalyst of the group consisting of vanadium, chromium, manganese, iron, cobalt, copper and their compounds, normally effective to catalyze oxidation of said organic substance, and having incorporated therein a metal deactivator in a small proportion sufficient to deactivate said catalyst, said metal deactivator being identical with the compound obtained by condensing 1 mole of an ortho-hydroxy substituted aromatic aldehyde with 1 mole of a sugar amine containing a single primary amino group.

2,381,953
CORSET AND COMBINATION GARMENT
Blanche F. Hall, Kansas City, Mo.
Application January 15, 1944, Serial No. 518,442
6 Claims. (Cl. 2—43)

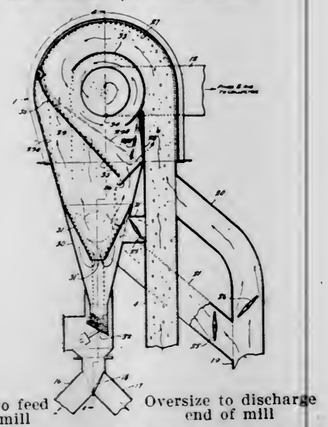
1. In a garment of the character described, a tubular upper body portion and an integral lower bifurcated portion each forming a part of a leg opening, a combined crotch, seat, and partial leg-forming construction sewed to the gar-

ment and including normally overlapped flaps forming the seat and integral continuations thereof each sewed to and providing with the



said lower bifurcated portion of the garment separate complete leg openings for the wearer, said flaps being capable of being opened when desired.

2,381,954
CLASSIFYING SYSTEM FOR PULVERIZED MATERIALS
Harlowe Hardinge, York, Pa.
Application August 3, 1940, Serial No. 350,737
16 Claims. (Cl. 209—144)

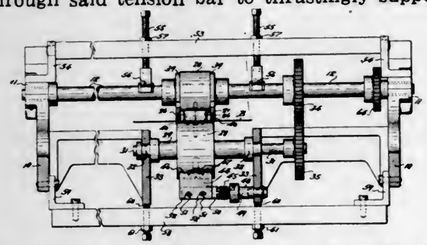


Oversize to feed end of mill — Oversize to discharge end of mill

4. In an apparatus for sizing materials in an elastic fluid medium, a container having an inlet for material-laden fluid and an outlet for the fluid from which oversize has been removed, means to establish a cyclonic action of the fluid within the container thereby to throw out the oversize, means to withdraw a portion of the incoming material-laden fluid and to reintroduce it to the material-laden cyclonic fluid thereby to vary the cyclonic action, such withdrawn fluid being reintroduced adjacent the periphery of the material-laden cyclonic fluid, and means to discharge the removed oversize from the container.

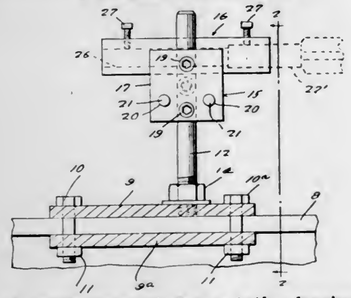
2,381,955
ENVELOPE MACHINE
Louis Hoffman, Brooklyn, and August Dalmen, Jamaica, N. Y., assignors to P. L. Andrews Corporation, Brooklyn, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,916
5 Claims. (Cl. 164—28)

5. Rotatable window cutting mechanism for envelope manufacturing machines comprising a cutting roll having a radially projecting window cutting die, a driven cutting roll shaft journaled transversely in the machine framework, a bed roll cooperative with the window cutting die of said cutting roll, a bed roll shaft also journaled transversely in the machine framework, gearing for driving said bed roll shaft from said cutting roll shaft, said cutting and bed rolls having means to successively propel blanks therebetween subject to the window cutting operation, a tension bar affixed to and transversely of the machine framework in parallel spaced relation to said cutting roll shaft, thrust bearing means engaging said cutting roll shaft on opposite sides of said cutting roll whereby to thrust the latter toward said bed roll, adjustable jack-screws engaged through said tension bar to thrustingly support



said thrust bearing means, a second tension bar affixed to and transversely of the machine framework in parallel spaced relation to said bed roll shaft, and adjustable jack-screws engaged through said second tension bar to thrustingly support said bed roll shaft whereby to thrust the bed roll toward the cutting roll, said bed roll having radially projecting picker pin means adapted by rotation of the bed roll to oppose the interior of said cutting die means, whereby to impale window cut out portions and carry them away from the blanks, said cutting die means having thrust cushion means of yieldable material to oppose said picker pin means, and a doctor blade means cooperative with the bed roll periphery adapted to strip the window cut out portions from said picker pin means for discharge from the machine.

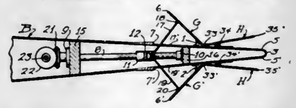
2,381,956
WORK SUPPORT FOR LATHES
Louis M. Holtz, Chicago, Ill.
Application August 30, 1944, Serial No. 551,866
3 Claims. (Cl. 51—218)



1. A work support for a lathe having a tool carriage guideway and inwardly projecting top flanges at the sides of said guideway, comprising a base clamp, a post rigid with and rising from said base clamp, and a tap holder clamp vertically adjustable on said post, said base clamp including a pair of substantially similar horizontal clamp plates respectively engageable along their opposite side edge portions with the upper and lower surfaces of the flanges at the

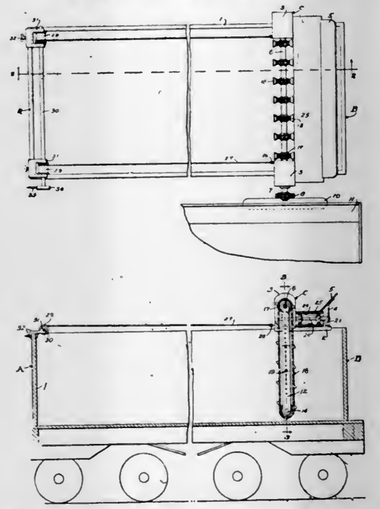
sides of the lathe guideway, and clamping bolts passing through opposite ends of said clamp plates for drawing them toward each other into gripping engagement with said flanges, and a tap holder removably retained in said tap holder clamp and comprising an elongated bar of rectangular cross section having an axial bore for reception of the shank of a tap to be supported, and a set screw carried by said bar and arranged to impinge the tap holder shank to secure the same in said bore.

2,381,957
AIRPLANE BRAKE
Frank Ibarra, San Francisco, Calif.
Application June 19, 1942, Serial No. 447,725
7 Claims. (Cl. 244—113)



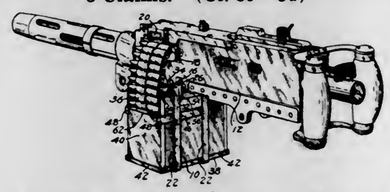
1. The combination with an airfoil surface, of a brake flap hinged near its rear edge to the surface, the hinged axis being spaced from the surface whereby the front edge of the flap contacts with the air foil surface when the flap is in inoperative position and the rear edge is spaced away from the airfoil surface a slight distance to provide a slot, and means for swinging said flap into open position and for holding the flap at any desired degree of opening, the slot remaining open during the initial opening of the flap and permitting some of the air trapped by the flap to escape, thereby causing the flap to apply a braking force more gradually to the airfoil as the flap is gradually opened.

2,381,958
UNLOADING MACHINE
Walter V. Inman, Obion, Tenn., assignor of one-half to Margaret Inman Wood, Memphis, Tenn.
Application September 20, 1944, Serial No. 554,957
2 Claims. (Cl. 214—44)



1. Unloading mechanism comprising a carriage including approximately parallel guides constituting means whereby the carriage may be mounted on a car for movement therealong, end members carried by the guides, a transverse operating shaft journaled in the end members, a depending endless conveyor carried by and operated by the shaft, a transverse conveyor receiving material from the endless conveyor and disposed approximately parallel to the shaft, a baffle forming a connection between the guides, the baffle being disposed outwardly of the transverse conveyor and forming means for depositing on the transverse conveyor, material which may have been discharged on the baffle by the endless conveyor, the baffle being disposed approximately parallel to the shaft, and means for operating the shaft, the shaft and the baffle cooperating to maintain the guides in approximately parallelism.

2,381,959
MAGAZINE FOR AUTOMATIC FIREARMS
George Ironside, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application October 20, 1941, Serial No. 415,757
5 Claims. (Cl. 89—34)



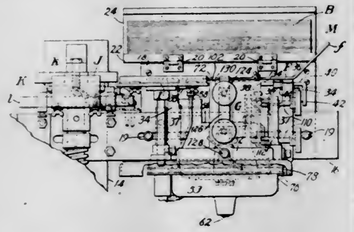
2. A magazine for an automatic firearm having a breech casing and a feed channel extending transversely therethrough, said magazine comprising in combination, a pair of bails respectively arranged to be connected at their free ends to opposite sides of said breech casing and depend therefrom substantially parallelly to each other and below said feed channel, a base member supported by the lower portions of said bails and between the legs thereof, said base member extending between said bails and opposite ends thereof respectively projecting beyond said bails and the opposite sides of said breech casing, a cartridge box removably mounted on said base member and between the legs of each bail, stops projecting upward from said base member adjacent said opposite ends thereof and respectively arranged to engage opposite ends of and maintain said box in operative position on said base member and prevent accidental removal of said box from between said bails, and an additional stop carried by one of said bails above that one of said first-mentioned stops on said base which is nearest the entrance end of said feed channel, said additional stop being engageable with one side wall of said box, whereby a cartridge belt may be fed through said feed channel from said box and said additional stop will prevent the pull of the belt on said box from dislodging said box from its operative position within said bails and between said first-mentioned stops.

2,381,960
CHEMICAL PROCESSES AND PRODUCTS
Aaron D. Johnson, Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 29, 1940, Serial No. 367,749
13 Claims. (Cl. 210—23)

1. In a process for softening hard water the steps comprising dissolving in the water an alk-

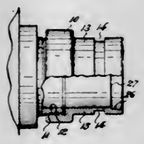
aline material selected from the group consisting of trisodium phosphate, sodium hydroxide, sodium carbonates, potassium hydroxide, potassium carbonates, soap, and solid sodium silicate having an SiO_2:Na_2O weight ratio greater than 1.5, and thereafter, but prior to formation of a macroscopic precipitate of the hardness, dissolving tetrasodium pyrophosphate in the water.

2,381,961
BOX-MAKING APPARATUS
Cutler D. Knowlton, Rockport, Mass., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Original application September 10, 1941, Serial No. 410,274. Divided and this application September 21, 1943, Serial No. 503,180
34 Claims. (Cl. 91—48)



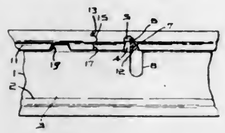
1. In box-making apparatus, a guide having a substantially horizontal surface along which a box-blank may be advanced by the operator with a portion depending below the guide, said guide having an edge against which the operator forces the blank, and adhesive-applying mechanism arranged to coat the depending portion of the blank and into which the guide-edge directs said blank.

2,381,962
HOSE COUPLING
Howard C. Krone, River Edge, and William Meyer, East Orange, N. J., assignors to Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application December 9, 1943, Serial No. 513,518
5 Claims. (Cl. 285—169)



1. A coupling comprising a male member having a spigot portion, said spigot portion having an external annular latch receiving channel, a female member having a bell portion to telescopically receive the spigot portion of said male member, said female member having transverse housing openings piercing opposite wall portions thereof to communicate with the bel portion interior, said housing openings terminating in flat seating faces disposed in transverse planes substantially parallel to the axis of the coupling, arcuate latch pieces radially movable in said housing openings, said latch pieces having at their opposite ends flat base faces opposed to the seating faces of said housing openings, the walls of said female member having socket cavities substantially perpendicular to and opening out of the seating faces at said housing opening ends, compression springs in said cavities adapted to respectively thrust against the respective base faces of said latch pieces to yieldably thrust the latter outwardly to released position flush with the inner surfaces of said female member bell portion, whereby the same are normally withdrawn from the path of movement of the male member spigot portion into and out of the bell portion of said female member, and a manipulative external slide ring mounted on said female member, said ring having an internal annular channel adapted, when said ring occupies a retracted position, to be aligned with and to receive the outwardly thrust latch pieces, said ring and latch pieces having co-operative cam portions operative to move said latch pieces into the receiving channel of the male member spigot portion entered in the female member bell portion when said ring is advanced, said ring, when advanced, being adapted to positively hold said latch pieces in such locking position.

2,381,963
EQUIPMENT FOR TIRE RETREADING
Axel Leonard Anderson, Toledo, Ohio
Application November 25, 1943, Serial No. 511,655
1 Claim. (Cl. 154—9)

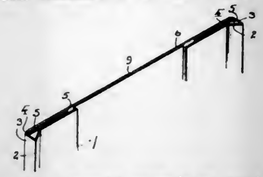


Equipment for tire casing re-treading, consisting of an endless rim first section having a casing seat integral with an endless flange for the casing bead seat, said section, from the side thereof remote from the endless flange and directly inward just beyond the medial portion of the casing seat, having its continuity interrupted by a slot completed by the two sides from the medial portion to leave full clearway for a tire valve stem to project radially inward thru the section from an inner tube seated in a casing on the section, whereby a tire casing with an inner tube therein, may have the valve stem therefrom protrude normally in thrusting the casing with the contained inner tube over the section toward the endless flange with the valve stem registering to ride lengthwise of the slot, and an equipment completing assembly complementary split ring flange second section to oppose the endless flange of the first section, and provided with an integral lug to enter the outer open end of the slot clear of the valve stem, thereby to hold the first section against collapse on inflation of the inner tube.

2,381,964
COMBINED PHOTOMOUNT AND FRAME
Edward G. Beikirch, Rochester, N. Y.
Application May 26, 1942, Serial No. 444,601
6 Claims. (Cl. 40—154)

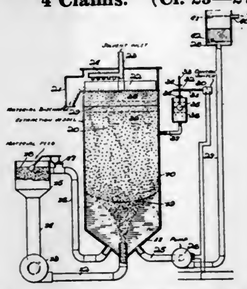
1. A combined photo mount and frame including a mask member and an insert member with a large opening in one of said members and a smaller opening in the other of said members, said members being arranged to have the smaller opening located in front of the larger opening, one of said members having an integral edge portion bent around the edge portion of the other member to form a hollow frame around

said second named member, and a back attached to one of said members on the back thereof to



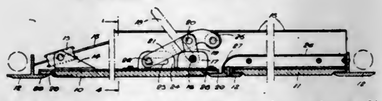
close the larger of said openings and provide a picture receptacle in register with the smaller of said openings.

2,381,965
SOLVENT EXTRACTION OF SOLID MATERIALS
Norton E. Berry, Summit, N. J., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1941, Serial No. 392,590
4 Claims. (Cl. 23—270)



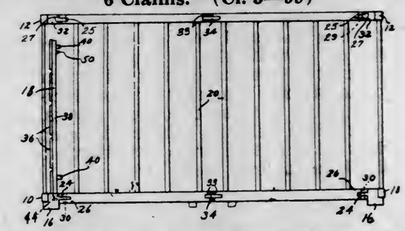
2. Apparatus for continuous solvent extraction of solid material comprising an extraction chamber, means for flowing material to be extracted through said chamber, means for feeding solvent to and discharging it from said chamber countercurrently to the flow of said material, means for alternately withdrawing from and returning to said chamber a portion of flowing solvent comprising a storage chamber connected to said extraction chamber by a conduit, a pump in said conduit, and means actuated by the flow of said solvent into and out of said extraction chamber to control the operation of the pump.

2,381,966
PANEL AND CONTROL MECHANISM THEREFOR
William Henry Bishop and Wilfred Edwin Clements, Birmingham, England
Application February 21, 1944, Serial No. 523,332
In Great Britain June 23, 1942
3 Claims. (Cl. 268—46)



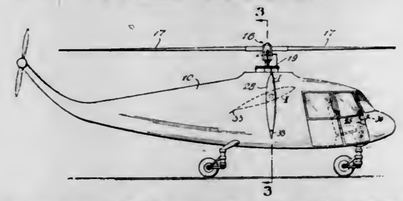
1. A sliding panel structure for aircraft, vehicles and the like comprising a stationary frame, a movable panel, means for slidably guiding the panel adjacent one edge and carrying it against the frame in the closing movement of the panel and away from the frame in the opening movement, a rod pivoted on the panel adjacent the opposite edge about an axis parallel to the panel, a handle projecting radially from the rod, an arm keyed on the end of the rod, a bell crank lever pivoted on the arm, a pivoted and slidable connection between one arm of the bell crank and the panel, a roller on the face end of the other arm, and two spaced abutments with either of which the roller engages according to the direction of movement of the handle to urge the panel towards and away from the frame.

2,381,967
INFANT'S PLAY YARD
Rubert C. Bockus, Gardner, and Henry J. Landry, South Ashburnham, Mass., assignors to Gem Crib and Cradle Company, Gardner, Mass., a corporation of Massachusetts
Application July 13, 1943, Serial No. 494,488
6 Claims. (Cl. 5—99)



4. A device of the class described comprising a pair of rigid side walls, a supporting block secured to each lower end of each side wall, in-folding frames pivoted to the blocks, and a pair of floor elements, each of said floor elements being pivoted to a separate pair of supporting blocks.

2,381,968
AIRCRAFT WITH A ROTARY BLADE SYSTEM
Enea Wilbur Bossi, New York, N. Y.
Application April 1, 1943, Serial No. 481,389
1 Claim. (Cl. 244—17)



In an aircraft the combination of a rotor with blades adapted to generate a thrust component in the direction of the normal axis of the craft, means under the control of the pilot for varying the plane of rotation of said blades with respect to the craft, wing-like members turnable about a transverse axis, second means under the control of the pilot for adjusting the angle of incidence of said wing-like members, and a disengageable coupling between said first and second means, said coupling being engageable only in a predetermined relative position of said first and second means.

2,381,969
COMPLEX RESINOUS ESTERS
William R. Catlow, Jr., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 3, 1940, Serial No. 351,219
14 Claims. (Cl. 260—22)

1. Resinous product characterized by solubility in varnish oils, comprising the co-ester reaction

product of 100 parts by weight of an acidic natural resin, 9 to 23 parts by weight of a cyclopentadiene adduct of maleic anhydride, and a polyhydric alcohol in sufficient quantity for reaction with carboxyl groups of both the acidic natural resin and the adduct.

2,381,970
SMELTING COPPER-LEAD DROSSES AND THE LIKE
Arthur A. Collins, El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 28, 1943, Serial No. 500,423
9 Claims. (Cl. 75—24)

1. In a process of smelting copper-lead dross and the like material containing a substantial quantity of iron in the presence of a sodium sulphide matte forming compound, litharge and a carbonaceous reducing agent, to produce a layer of lead bullion, a layer of copper speiss, and a layer of sodium sulphide matte, the step which comprises adding sulphur to the charge to react with the iron to form FeS.

2,381,971
ANTHRAQUINONE DYESTUFFS
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application October 19, 1937, Serial No. 232,796. Divided and this application May 30, 1942, Serial No. 445,197. In Great Britain October 19, 1937
6 Claims. (Cl. 260—376)

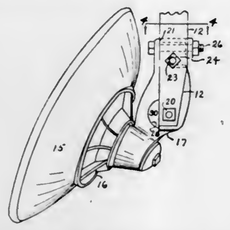
1. Anthraquinone dyestuffs containing in the nucleus a hydroxy-alkyl amino group esterified with a lower alkyl mono-carboxylic acid, and another nuclear amino group.

2,381,972
PRODUCTION OF ETHYL CELLULOSE
Henry Dreyfus, London, England
No Drawing. Application December 16, 1942, Serial No. 469,223. In Great Britain January 2, 1942
1 Claim. (Cl. 260—231)

Process for the production of cellulose ethers, which comprises etherifying cellulosic materials with di-ethyl sulphate in the presence of sodium hydroxide, and also of at least 40% of tetra-ethyl ethylene diamine, calculated on the weight of the cellulosic materials.

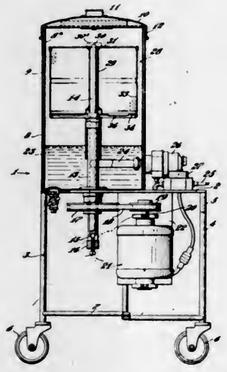
2,381,973
SAFETY DEVICE FOR DISK PLOW HANGERS
George Ross Ego, Brantford, Ontario, Canada, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada, a limited company of Canada
Application March 19, 1943, Serial No. 479,682
3 Claims. (Cl. 97—185)

1. A device of the class described, comprising a frame having a depending member, a bracket having an earth working member secured to its lower end, the upper end being adapted to lie on the side of said depending member, a bolt forming a transverse pivotal connection between the bottom of said depending member and said bracket, a breakable block detachably secured to the upper end of said bracket and at a distance from said bolt, one side overhanging the rear edge of said depending member and being adapted to hold said bracket in normal operating position, whereby when said earth working member meets a serious obstruction, said block will break and



permit said earth working device to swing rearwardly on said bolt as an axis and ride over the obstruction.

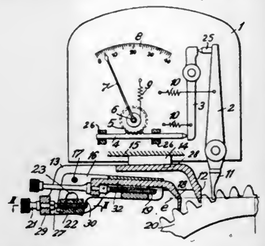
2,381,974
METHOD OF PREPARING COMPRESSES
John H. Emerson, Cambridge, Mass.
Application January 26, 1943, Serial No. 473,611
4 Claims. (Cl. 34—8)



1. Method of preparing compresses for therapeutic use which comprises as steps providing moist vapor at substantially atmospheric pressure revolving a compress pad in a circular path, and concomitantly centrifugally expelling said moist vapor radially out through the pad thereby to impart to the pad a substantially uniform predetermined temperature and moisture content.

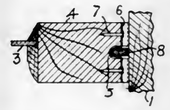
2,381,975
APPARATUS FOR TESTING THE PITCH OF GEARS
Daniel Ernst, Zurich, Switzerland, assignor to Maag-Zahnräder und -Maschinen Aktiengesellschaft, Zurich, Switzerland
Application December 7, 1943, Serial No. 513,281
In Germany July 8, 1942
2 Claims. (Cl. 33—179.5)

1. In apparatus for testing the pitch of the teeth of gears, a movable measuring member, an adjustable normally stationary measuring member coordinated with said movable measuring member for conjoint contacting engagement of said two members with the tooth system of a gear to be measured, a carrier for supporting said stationary measuring member, a counter holder for bearing engagement with the gear, a carrier for supporting said counter holder, means for shifting said counter holder relative to its said carrier, and means for pivotally mounting said counter holder carrier on said stationary meas-



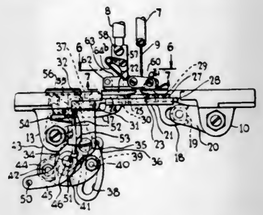
uring member carrier for pivotally displacing said counter holder relative to said stationary and said movable measuring member.

2,381,976
WINDOW SASH CONTROL DEVICE
Nicholas C. Leidgen, Lansing, Mich., assignor, by decree of distribution, to Mildred Leidgen
Application August 31, 1943, Serial No. 500,627
1 Claim. (Cl. 20—69)



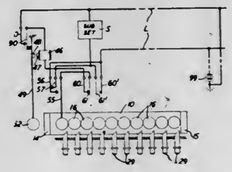
In a combination weather strip and window sash control apparatus, a sash having a vertical groove on each side, continuous longitudinally grooved pieces of spring metal each having side flanges attached to the sides of the sash, the grooved portions engaging the grooves in the sash, said pieces of spring metal being constructed with spaced curved resilient portions having one end separated from the continuous piece and arranged to press against the window frame, and weather stripping attached in the grooves of said pieces of metal and arranged to move up and down with the sash.

2,381,977
SEWING MACHINE
Joseph Mann, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application November 16, 1940, Serial No. 365,908
5 Claims. (Cl. 112—209)



5. In a sewing machine, the combination comprising stitch-forming mechanism, means for operating the stitch-forming mechanism, feeding mechanism for feeding the material operated upon past the stitch-forming mechanism including two sets of relatively movable feed dogs, means for effecting a difference in the feeding movement of the feed dogs, control means for said last mentioned means including a control lever, and means for adjustably limiting the movement of said control lever including an adjustable abutment in the path of said control lever, and a finger piece mounted on the bed of the machine and arranged to control said abutment.

2,381,978
IMPULSE TRANSMITTER
Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 5, 1943, Serial No. 497,538
4 Claims. (Cl. 177—380)



1. The combination, in an impulse transmitter, of an electromagnet, an armature for said electromagnet, pulsing contacts controlled by said armature, and an impulse counter comprising a row of ten resilient magnetic balls, a magnetic circuit for holding said balls normally in contact with one another comprising a permanent magnet having two oppositely disposed poles against one of which the last ball of said row rests, manually operable key means having fully depressed and intermediate positions, means controlled by said key means when fully depressed for selectively dividing said row of balls into two groups containing one to ten balls and moving a selected group so that the first ball of the selected group is moved into engagement with the other pole of said permanent magnet, means controlled by the first ball of the selected group when thus moved for preparing an operating circuit for said electromagnet, means for locking said key means in its intermediate position, means controlled by said key means in its intermediate position for completing the operating circuit for said electromagnet whereupon said electromagnet causes said armature to vibrate and actuate said pulsing contacts, means controlled by said armature when vibrated for repeatedly striking the other pole of said permanent magnet to cause the balls of the selected group to be driven back individually to their normal positions, means controlled by the first ball of the selected group when driven back to its normal position for opening the operating circuit for said electromagnet, and other means controlled by said first ball for releasing said key means.

2,381,979
SOUND FILM PRINTING OPTICAL SYSTEM
John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., New York, N. Y., a corporation of New York
Application August 28, 1943, Serial No. 500,393
14 Claims. (Cl. 88—24)

1. In a printing optical system wherein a uniformly illuminated light spot is more or less obscured when a negative film having thereon a variable area sound track whose transparent portion varies in width, moves vertically through a first plane; and wherein light flux emanating from said uniformly illuminated light spot is, in the

vertical plane, focused at a position and, in the horizontal plane, diffused at said position, whereby a light spot of vertically varying illumination is formed at said position; and wherein light flux emanating from said light spot of vertically varying illumination effects the exposure of a positive film when said positive film moves vertically through a second plane, whereby a variable density sound track having a light transmission is produced on said positive film; the provision of



means defining the height of said uniformly illuminated light spot: said defining means including a screen with an opening having a height, and said height of said opening varying in linear relation to the slope of the curve representing that relationship between said width of said transparent portion and said exposure of said positive film which results in a substantially linear relationship between said width and said light transmission of said variable density sound track after said positive film has been developed.

2,381,980

SOUND FILM PRINTING OPTICAL SYSTEM

Abe Offner, Brooklyn, N. Y., assignor to J. A. Maurer, Inc., New York, N. Y., a corporation of New York

Application August 28, 1943, Serial No. 500,394
12 Claims. (Cl. 88—24)



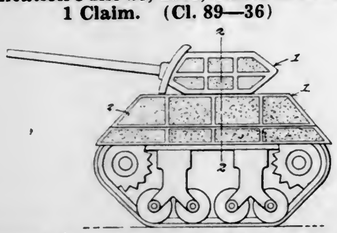
1. In a printing optical system wherein a positive film may move vertically through a first plane so that its exposure may be effected by light flux passing through a first light spot, said first light spot being of vertically varying illumination, whereby a variable density sound track having a light transmission is produced on said positive film, the combination of a second plane through which a negative film having thereon a variable area sound track may move vertically, said variable area sound track having an opaque portion and a transparent portion which varies in width; means for forming in said second plane a second light spot, said second light spot being of horizontally varying illumination and more or less obscured by said opaque portion when said negative film moves through said second plane; and first imaging means acting in only the vertical plane as the sole means for forming at a position an image of said second light spot as obscured by said opaque portion so that said image is said first light spot; said means for forming said second light spot including: a screen having a uniformly illuminated opening whose height varies in linear relation to the slope of the curve representing that relationship between said width and said exposure which results in said light transmission being substantially linearly related to said width after said positive film has been developed, the constant of proportionality between said height and said slope being chosen so that said exposure falls along said curve; and second imaging means acting in only the horizontal plane as the sole means for forming an image of said opening in said second plane.

2,381,981

INSULATED VEHICLE BODY

Ralph H. Moore, Pasadena, Calif.

Application June 23, 1943, Serial No. 491,992
1 Claim. (Cl. 89—36)



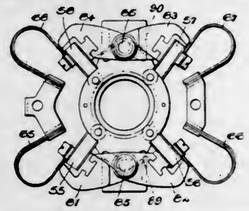
A vehicle for use under gunfire and as a protective medium in an intensely heated area, including a body having a wall, said wall including a layer of non-frangible, heat-resisting plastic material having the property of absorbing impact from firearm projectiles of small bores and retarding conduction of thermal units, said material consisting of adobe of the type found in the southwestern part of the United States.

2,381,982

BRUSH ASSEMBLY

Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Original application December 17, 1941, Serial No. 423,375, now Patent No. 2,332,163, dated October 19, 1943. Divided and this application May 5, 1943, Serial No. 485,771
11 Claims. (Cl. 171—324)



5. In a brush assembly, a plurality of circumspaced brushes having adjacent brushes arranged in paired relation for selective commutator engagement of the pairs, the brushes of each pair when electrically energized being of opposed polarities and electrically connected to the brushes of coincident polarities of the other pair respectively, a brush holder secured to each of said brushes and with the holders of each of said pairs being pivoted together for movement in unison, electromagnetic means engageable with said holders for operating the holders of either one of said pairs into brush commutator engaging position upon energization of said electromagnetic means, and spring means connected to said holders and coacting with said electromagnetic means for maintaining the remaining pair of brushes out of commutator engagement.

2,381,983

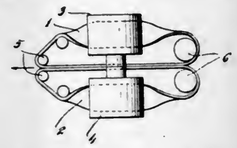
DRAFTING MECHANISM FOR TEXTILE FIBERS

Joseph Noguera, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England, a British company

Application November 20, 1942, Serial No. 466,314
In Great Britain October 27, 1941
8 Claims. (Cl. 19—131)

3. Drafting mechanism for textile fibers comprising front drawing rollers, endless belts for

engaging and guiding said fibers and feeding them to said front drawing rollers, front guiding members for said endless belts arranged with their longitudinal axes at right angles to the line of contact of said front drawing rollers, whereby the flattened strand of fibers is delivered to the front drawing rollers in a plane at right angles



to the line of contact of said front drawing rollers, and driving rollers for said endless belts arranged with their longitudinal axes parallel to the line of contact of said front drawing rollers, whereby in passing between said driving rollers and said front guiding members the belts are turned through 90°.

2,381,984

INTENSIFICATION OF THE IMAGE OF DIAZOTYPE LIGHT SENSITIVE LAYERS ON A TRANSPARENT BASE

Maximilian K. Reichel, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 24, 1943, Serial No. 496,084
6 Claims. (Cl. 95—7)

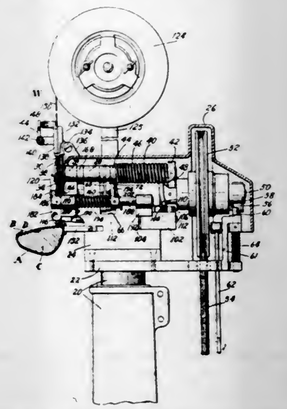
1. A light sensitive layer on a suitable base comprising a diazo compound and a member of the group consisting of iodine and bromine salts of alkali and alkaline earth metals, zinc and metalloids of the fifth and sixth groups of the periodic table which metalloids are at least tetravalent and are combined with at least three mols of a member of the group consisting of saturated and unsaturated alkyl and aryl radicals.

2,381,985

FASTENING INSERTING MACHINE

Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 25, 1943, Serial No. 492,279
23 Claims. (Cl. 1—25)



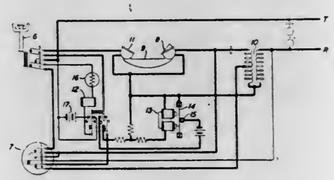
1. A fastening inserting machine having, in combination, means for inserting the end portion of a piece of wire into a work piece, a knife for severing the wire at a point spaced from the work piece to form a single shank fastening having a portion projecting from the work piece, a member movable to engage said projecting portion and to bend it laterally to position it flat against the surface of the work piece, and means constructed and arranged to engage said portion and to force it into said surface to embed it in the material of the work piece, thereby clinching said fastening in said work piece.

2,381,986

COMMUNICATION APPARATUS

Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1942, Serial No. 463,171
6 Claims. (Cl. 179—81)



1. In a communication system, a station circuit equipped with a switch for placing said circuit in condition for service, an auxiliary station circuit, a relay for rendering said auxiliary circuit effective and a thermistor responsive to the repeated rapid manipulation of said switch for operating said relay.

2,381,987

PROCESS FOR PRODUCING UNSATURATION IN HYDROCARBONS

Bernard H. Shoemaker, Whiting, Ind., and Edmond L. d'Ouville, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 30, 1942, Serial No. 436,768
5 Claims. (Cl. 260—666)

1. A process for producing normally liquid polyenes substantially free of halogen comprising treating acyclic hydrocarbons of the class consisting of ethylene, butenes, propylene, liquid propylene polymers, liquid iso-butylene polymers, hexanes, heptanes, and octanes with a free halogen selected from the group consisting of chlorine and bromine and an aluminum halide catalyst material under conditions for producing a complex, hydrolyzing the complex, and separating a normally liquid polyene from the products of the hydrolysis.

2,381,988

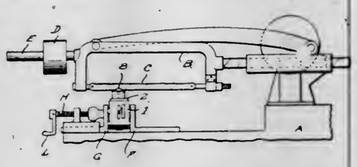
PRESSURE INDICATOR FOR HACK SAWS

William H. Shortell, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts

Application March 28, 1944, Serial No. 528,391
6 Claims. (Cl. 29—73)

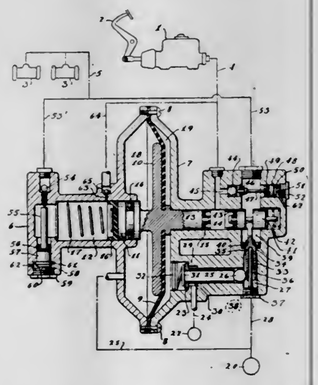
1. In combination with a hack saw machine equipped with means for varying the pressure of the hack saw blade, a plunger adapted to be held in position under the hack saw blade and readily

removable therefrom, a spring acting upon said plunger in opposition to the blade pressure, and



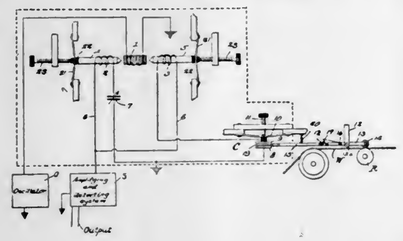
a scale indicating the travel of said plunger when exposed to the pressure of said blade.

2,381,989
HYDRAULIC BRAKE BOOSTER
William Stelzer, East Orange, N. J.
Application July 3, 1943, Serial No. 493,341
10 Claims. (Cl. 60—54.5)



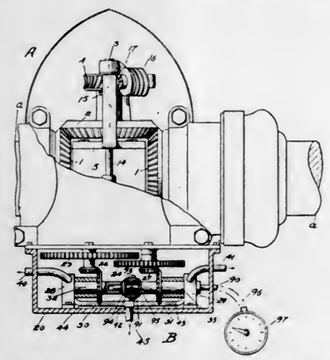
1. In a hydraulic system having a hydraulic pressure producing device and hydraulic pressure receiving means, in combination, a booster comprising an expansible chamber of small displacement in communication with said hydraulic pressure producing device, an expansible chamber of larger displacement in communication with said hydraulic pressure receiving means, a check valve interposed between said chamber of larger displacement and said hydraulic pressure receiving means and operative to prevent the flow of hydraulic fluid from the latter to the former, mechanical means to transmit the pressure of said expansible chamber of small displacement to said expansible chamber of larger displacement so that an increase in volume in said expansible chamber of small displacement enforces a proportionately greater decrease in volume in said expansible chamber of larger displacement, power means to assist to reduce the volume of said expansible chamber of larger displacement proportionately to the hydraulic pressure produced by said hydraulic pressure producing device, valve means to provide a hydraulic passage from said hydraulic pressure producing device to said hydraulic pressure receiving means when a certain pressure is reached, means for opening said check valve when pressure in said chamber of larger displacement is below a predetermined point, and means to provide a passage to return the hydraulic fluid to said hydraulic pressure producing device from said expansible chamber of larger displacement after the pressure in said hydraulic pressure producing device is relieved.

2,381,990
MEANS FOR DETECTING STRUCTURAL FLAWS IN SHEET MATERIAL
Charles Stevens, Wellston, Ohio
Application February 17, 1943, Serial No. 476,235
4 Claims. (Cl. 177—311)



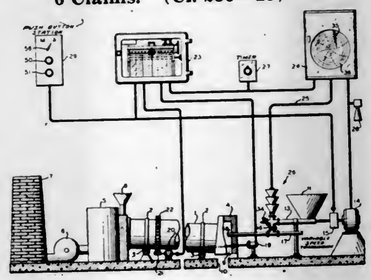
1. In a precision instrument for translating variations in web thickness into variations in electrical capacitance, a pair of spaced principal condenser plates, a pair of rollers between which said web passes, a supporting arm pivotally carrying one of said rollers, principal pivot means for pivotally mounting said supporting arm, an elongated control arm, means for pivotally mounting said control arm on said supporting arm, adjustable clamping means for adjustably clamping said control arm with reference to said supporting arm, and an auxiliary condenser plate carried on said control arm at its end remote from its connection to said supporting arm, said arms being mounted to position said auxiliary plate displaceably between said principal condenser plates and substantially parallel thereto.

2,381,991
PROPELLER PITCH CONTROL
William J. Symons, Van Nuys, Calif.
Application April 26, 1940, Serial No. 331,747
10 Claims. (Cl. 170—163)



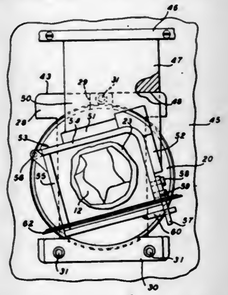
1. In an airplane having an engine crank shaft and blades mounted thereon for axial rotation, a gear mechanism extending from said blades to rotate as a whole with said shaft, a fluid circulating system having two branches, a pump in each branch, a gear system positively driven by said gear mechanism to operate said pumps, means responsive to engine speed variations to check the flow though one branch thereby to check the speed of the pump thereof and in turn through said gear system to set relative rotation of gears in said gear mechanism, a conduit interconnecting said branches, a normally closed valve in said conduit, a two-way electric motor operatively connected to rotate said gear system, and switch means actuated upon manual opening rotation of said valve to close a circuit through said motor to start the latter in one direction or the other according to the direction of rotation of the valve.

2,381,992
CONTROL SYSTEM
Joseph P. Vollrath, Glenside, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 6, 1942, Serial No. 453,827
6 Claims. (Cl. 236—15)



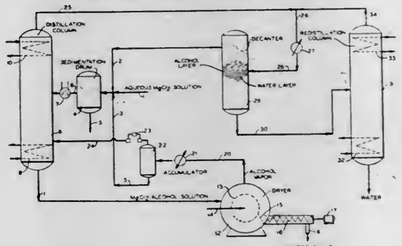
1. In a kiln control system, the combination of means to supply fuel to said kiln, means responsive to a condition of the supply of fuel to the kiln to stop and start said fuel supply means as said condition varies from a normal value, means to measure the temperature of the kiln, mechanism operated by said measuring means to vary the speed of said fuel supply means in accordance with the temperature of the kiln, and means to delay the operation of said mechanism for a predetermined period of time after the fuel supplying means has started whereby kiln conditions may become substantially stabilized before the fuel supply is varied.

2,381,993
METHOD OF CUTTING QUARTZ CRYSTALS AND APPARATUS FOR PREPARING QUARTZ CRYSTALS FOR CUTTING
Burton E. Baker, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 17, 1943, Serial No. 491,253
14 Claims. (Cl. 125—12)



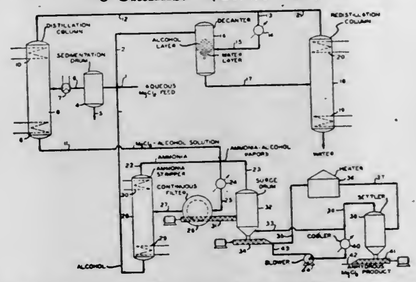
1. The method of cutting quartz crystals comprising supporting a quartz crystal for orientation thereof relative to its support, orienting the crystal relative to its support and axis identifying means to locate certain axes of the crystal in given positions relative to the support, locating a mold unit about the crystal with a portion of the mold in a known position relative to certain of the said axes, placing marks on the said portion in planes where the crystal is to be cut, surrounding the crystal in the unit with a moldable material, allowing the material to harden, placing marks on the material in planes with the aforementioned marks, and cutting the material and the crystal in planes parallel with the marks on the material.

2,381,994
PRODUCTION OF ANHYDROUS MAGNESIUM CHLORIDE
Arnold Belchetz, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application November 21, 1941, Serial No. 419,987
19 Claims. (Cl. 23—91)



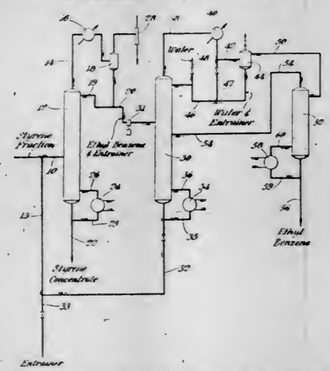
6. A method of preparing anhydrous magnesium chloride which comprises heating a hydrous form of magnesium chloride with a normally liquid monohydroxy saturated aliphatic alcohol boiling above 220° F. and distilling off all the water in said hydrous material in admixture with vapors of said alcohol, thereby forming an anhydrous solution of magnesium chloride in said alcohol, and then separating anhydrous magnesium chloride from said alcohol.

2,381,995
PRODUCTION OF ANHYDROUS MAGNESIUM CHLORIDE
Arnold Belchetz, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 29, 1942, Serial No. 444,981
8 Claims. (Cl. 23—91)



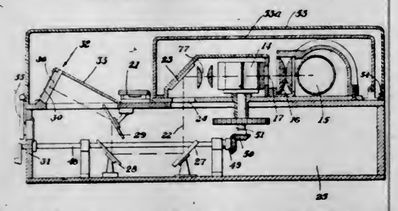
1. A method of separating anhydrous magnesium chloride from a solution of anhydrous magnesium chloride in an anhydrous mono-hydroxy saturated aliphatic alcohol which comprises adding anhydrous ammonia thereto to precipitate an insoluble solid complex of magnesium chloride and ammonia from said solution and thereafter separating the anhydrous magnesium chloride from said complex.

2,381,996
AZEOTROPIC DISTILLATION
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 30, 1942, Serial No. 445,127
9 Claims. (Cl. 202—42)



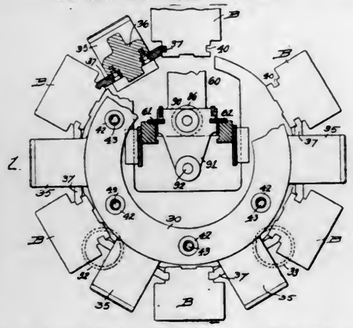
1. The method of separating a mixture of ethyl benzene and ethylene glycol monomethyl ether, said components forming a minimum boiling binary azeotrope and also forming a minimum boiling ternary azeotrope with water, which comprises subjecting such mixture to a ternary azeotropic distillation in the presence of water, removing the overhead vapors from such distillation comprising substantially a ternary azeotrope of the water, substantially all of the ethyl benzene, and a portion of the ethylene glycol monomethyl ether, and removing ethylene glycol monomethyl ether substantially free of ethyl benzene as the bottoms stream from such distillation

2,381,997
EDITING TABLE
Jacques Bolsey, New York, N. Y.
Application March 13, 1944, Serial No. 526,234
10 Claims. (Cl. 88—24)



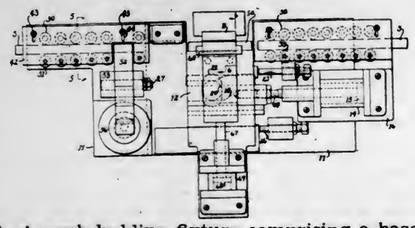
1. A film viewing device comprising in combination a casing closed at least substantially at all sides, film transporting means adapted to transport a film strip with uniform speed on the top of said casing, a film gate on said top of said casing, a light source adapted to direct a light beam through said film strip while moved by said film transporting means past said film gate, an opening in the top of said casing, light reflecting means arranged on the top of said casing in such a manner as to direct said light beam after having passed through said film strip through said opening into the interior of said casing, optical compensating means arranged in the path of said light beam after the same has passed through said film strip, means for rotating said optical compensating means in timed relation with the movement of said film strip, a projection screen forming a part of the top or another wall of said casing and arranged at a certain distance from said opening, light reflecting means arranged in the interior of said casing in such a manner as to reflect the light beam entering said casing through said opening onto said screen, and supporting means for a magazine containing light-sensitive photographic films or plates adapted to be exposed, said supporting means being arranged between said light reflecting means in the interior of said casing and said screen near to the latter in such a manner as to support said magazine substantially parallel to the screen, if required.

2,381,998
ROTATABLE BROACH HOLDER
Oliver W. Bonnafe, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application December 7, 1942, Serial No. 468,299
14 Claims. (Cl. 90—33)



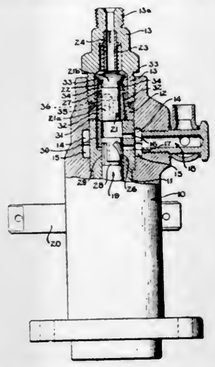
1. In a broaching machine, a broach holder mounted to rotate about a horizontal longitudinal axis of said machine, a plurality of angularly spaced guideways in said holder for a plurality of elongated broaches, power means to slide a broach into and out of any one of said guideways, means to lock said holder in successive broach-delivery positions, power means to advance said holder angularly to successive delivery positions, control devices effective to successively unlock said holder and start said power means, and automatic means to release said locking means and to cut off said power means when a predetermined angular advance of said holder is substantially accomplished.

2,381,999
WORK HOLDING FIXTURE FOR BROACHING MACHINES
Oliver W. Bonnafe, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application November 11, 1943, Serial No. 509,925
7 Claims. (Cl. 90—33)



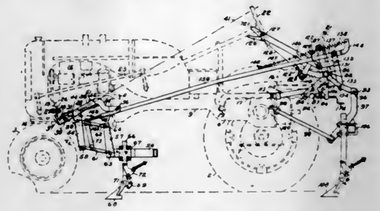
1. A work holding fixture comprising a base, a support slidable forward and rearward on said base, a carriage slidable longitudinally on said support and perpendicular to the path of movement of said support, a main work clamp on said carriage, an auxiliary work clamp on said support, and means to open and close said clamps alternately and successively.

2,382,000
FUEL INJECTION PUMP
Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 20, 1941, Serial No. 411,605
19 Claims. (Cl. 103—41)



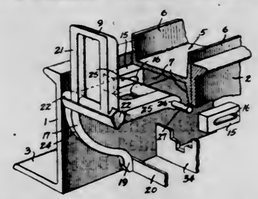
1. In apparatus of the class described, a fuel pump of the reciprocating piston type having a by-pass port, a pressure chamber and a delivery chamber, a delivery valve interposed between said chambers for controlling the flow of fuel therebetween, and passages controlled in part by said valve connecting said delivery chamber and said by-pass port, said passages by-passing said pressure chamber.

2,382,001
AGRICULTURAL IMPLEMENT
Walter G. Charley, La Crescent, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 15, 1941, Serial No. 407,031
13 Claims. (Cl. 97—47)



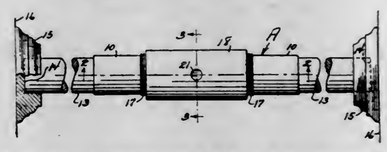
1. In an agricultural implement, a traveling support, a draft transmitting structure of substantial width transversely of its length secured to said traveling support so as to extend, in the direction of its length, transversely of said traveling support and, in the direction of its width, at an acute angle relative to the ground level, a bracket secured to said draft transmitting structure in a depending position remote from the elevated end of the latter, a tool support, means connecting said tool support with said bracket for up and down movement of said tool support relative to said draft transmitting structure, said means including a link underlying said draft transmitting structure and swingable vertically about a pivot center on said bracket; and means for raising and lowering said tool support comprising an arm secured to said link, and a lengthwise reciprocable elongated member extending under said elevated end of said draft transmitting structure and pivotally connected with said arm.

2,382,002
LOG BUNK
Frederick W. Chriswell, Seattle, Wash., assignor to Pacific Car and Foundry Company, Renton, Wash.
Application January 14, 1942, Serial No. 426,787
4 Claims. (Cl. 105—380)



1. A log bunk including spaced vertical side walls formed at each end with parallel longitudinally extending slots arranged in a common plane, guide members secured to and extending from the inner faces of the end portions of each of said side walls, said guide members curving downwardly and inwardly and terminating at their inner ends below said slots, stake members having lateral projections adjacent their lower end portions, said projections being adapted to engage the top and outer sides of said guide members upon movement of said stake from upper to lower positions, said stakes each including a pair of spaced inwardly extending pivot arms formed with transversely extending alined openings at their end portions, pins extending through said alined openings in the outer end portions of said pivot arms and engaging within said longitudinally extending guide slots, a control lock arm pivoted to each of said pins intermediate said arms, and a horizontal beam having flanges at its outer edge portions connecting the upper portions of said side walls, said flanges projecting above the upper edges of said walls.

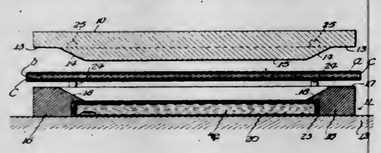
2,382,003
CLOTHES CLOSET POLE
Ben Cones, Indianapolis, Ind.
Application December 11, 1943, Serial No. 513,971
1 Claim. (Cl. 211—123)



A clothes hanger pole structure, comprising a pair of spaced fixed sockets similarly formed, rod-like sections of equal length removably supported in said sockets in axial alinement with each other and their ends spaced a considerable distance apart, a capping member having a closed inner end fitting over the inner end of each of the rod-like sections and externally threaded in reverse direction in respect to each other, and a coupling union having a bore entirely there-

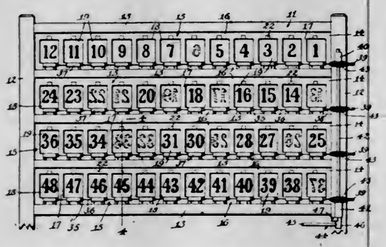
through and internally threaded in an opposite direction starting at the center through the ends thereof, the coupling union having the capping members threaded therein.

2,382,004
METHOD OF AND APPARATUS FOR MOLDING TRAYS
Frank M. Curran, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich., a corporation of New York
Application November 22, 1943, Serial No. 511,289
5 Claims. (Cl. 154—1)



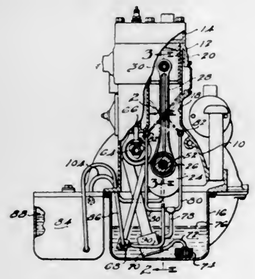
1. That improvement in molding a core of wood with a sheet covering glued on both faces thereof into a tray having a rim, a bottom and a sloping portion between the rim and the bottom which comprises: subjecting the rim and the sloping portion inside of the rim to a sufficiently high pressure for crushing the portion of the core in the rim and sloping portion of the tray, and shaping the core and covering into the bottom of the tray by rigid pressure on the top face and yielding pressure on the bottom face which localizes in the bottom face of the tray any irregularities resulting from variations in density in the core, and bonding together the entire core and covering while under such pressures.

2,382,005
CHECK BOARD FOR GAMES
William C. Durkin, Niagara Falls, N. Y.
Application December 10, 1942, Serial No. 468,593
7 Claims. (Cl. 116—120)



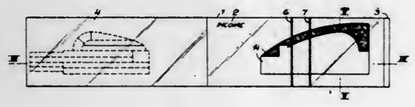
1. A checking device for games wherein identifying-characters are displayed to normally face in one direction, comprising a plurality of horizontal series of character-bearing elements pivotally mounted and having gear-wheels co-axial with the pivots of said character-bearing elements, said character-bearing elements being mounted to permit manual rotation thereof selectively in one direction independent of said gear-wheels, a plurality of connected gear-racks in mesh with the gear-wheels of each horizontal series of character-bearing elements, an actuator connected to each series of gear-racks, means for simultaneously operating said actuators to cause movement of all said gear-racks and rotation of the gear-wheels in opposite directions and to cause reverse rotation of all selectively rotated character-bearing elements upon rotation of said gear-wheels in one direction, said means permitting idle rotation of said gear-wheels in the opposite direction and leaving all non-rotated character-bearing elements undisturbed during the reverse rotative movement of all selectively rotated character-bearing elements.

2,382,006
INTERNAL-COMBUSTION ENGINE
Julius Dusevoir, Dearborn, Mich., assignor to Century Motors Corporation, Dearborn, Mich., a corporation of Michigan
Application April 27, 1942, Serial No. 440,647
9 Claims. (Cl. 184—6)



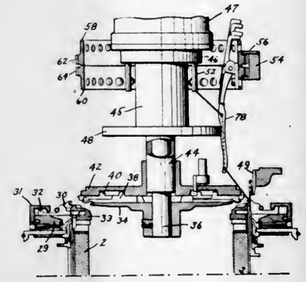
1. In combination with an internal combustion engine having a crankcase and a cylinder wall exposed to the interior thereof, and a crankshaft bearing, means for applying to and collecting lubricant draining from said cylinder wall and from the interior walls of said crankcase and re-delivering said lubricant to said cylinder wall, and means independent of the first-mentioned means for delivering lubricant to said bearing, the lubricant in the last mentioned means being sealed from contamination by lubricant in the first mentioned means.

2,382,007
DEMONSTRATION DEVICE, PARTICULARLY FOR INSURANCE PURPOSES
Nils Bernhard Frick, Appelviken, Sweden
Application July 7, 1943, Serial No. 493,770
In Sweden July 14, 1942
6 Claims. (Cl. 35—24)



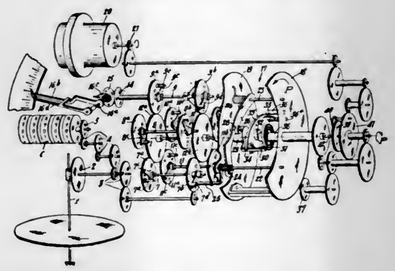
1. Demonstration device comprising a flat casing having flexible front and back walls of equal width, said front wall being shorter than said back wall and formed of transparent material and provided with at least one transverse slot, a flexible runner slidable in said casing and through said slot, and a leaf hinged to one end of said casing and adapted to swing through an angle of 360° from a position overlying said front wall to a position underlying said back wall, at least the front wall of said casing, one surface of said runner and one surface of said leaf bearing correlated indicia.

2,382,008
KNITTING MACHINE
Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application September 29, 1942, Serial No. 460,048. Divided and this application August 24, 1943, Serial No. 499,756
12 Claims. (Cl. 66—24)



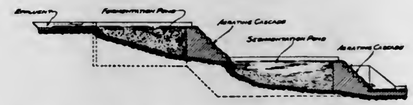
1. A circular knitting machine comprising a needle cylinder, a dial, needles slidable in said cylinder and in said dial, cleaning jacks located in slots in the needle cylinder behind needles therein, and means for imparting sliding movements to said jacks and for locating the jacks in raised position to back up said needles during the drawing of loops by dial needles during rib knitting.

2,382,009
MAXIMUM DEMAND METERING DEVICE
Paul Heynisch, Zug, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application December 14, 1942, Serial No. 469,035
In Switzerland December 15, 1941
10 Claims. (Cl. 171—34)



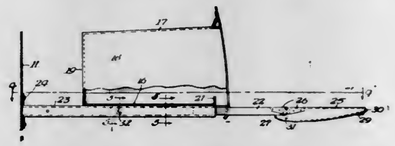
1. A demand meter including a driving mechanism embodying a set of driving shafts, a set of driving gears, one on each shaft and having clutch connection therewith, a set of transmission gears, one loose on each shaft, motion transmitting members on the shafts for transmitting motion therethrough from the driving gears at the same angular rate of speed, means adapting the shafts to be operated to reset the motion transmitting members for motion transmitting actions on the transmission gears to provide overlapping demand intervals during a demand period, a meter geared to the driving gears to continuously rotate the same, a timer operated means for successively resetting the motion transmitting means for driving the respective transmission gears, a demand indicator, and means operated by one of the transmission gears for operating the demand indicator.

2,382,010
PROCESS FOR THE TREATMENT OF PAPER MILL EFFLUENT
Paul Hodges, Crossett, Ark.; Lillian F. Hodges administratrix of said Paul Hodges, deceased
Application January 19, 1942, Serial No. 427,378
9 Claims. (Cl. 210—2)



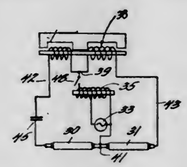
1. The method of treating the dilute alkaline black liquor containing effluent from a paper mill which comprises passing it through a storage reservoir having a capacity sufficient to hold at least the total effluent from a 24 hour run of the mill, and inoculating the effluent as it enters the reservoir with liquor containing cellulose and lactone acid destroying microorganisms having the property of producing carbon dioxide and other acidic substances and thereby causing the precipitation of lignin, fatty acids and resins from the effluent.

2,382,011
EQUIPMENT FOR VEHICLE BODIES
William Taylor Howard, Chicago, Ill.
Application May 6, 1943, Serial No. 485,857
3 Claims. (Cl. 312—186)



1. A storage compartment structure comprising a wall having an opening therein and a storage box behind said wall and accessible through said opening comprising, a supporting shelf, tracks under the box in which the shelf is slidably mounted to move through the panel, a drop-door fitting in and forming a closure for said opening, hingedly supported on and movable bodily with the shelf and adapted, when dropped to its open position, to form a supporting extension substantially continuous with the shelf, and means between the door and the wall for holding the shelf against withdrawal when the door is closed, said means being releasable by the swinging movement of the door to its open position.

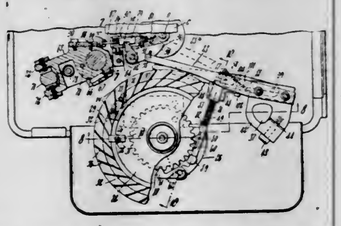
2,382,012
FLUORESCENT LAMP CIRCUITS
Russell W. Keiser, Atlanta, Ga., assignor to Boucher and Keiser Company, Atlanta, Ga., a partnership
Application December 4, 1941, Serial No. 421,700
7 Claims. (Cl. 315—282)



1. The combination with a plurality of lamps adapted for starting by ionic bombardment at

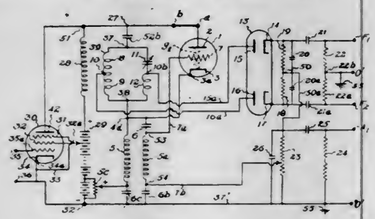
high voltage and subsequent normal operation at a lower voltage and a single source of alternating current at said high voltage, of a multiple reactor including a coil connected between each lamp and said source, an iron core common to said coils, at least one air gap in said core, said coils and core being so associated that upon the starting of one lamp, a voltage is induced in the coils of the other and unlighted lamps and added to that of the source to ensure their starting.

2,382,013
WORKPIECE FEEDING MEANS FOR MACHINE TOOLS
Harry King, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application October 30, 1941, Serial No. 417,127
15 Claims. (Cl. 90—1)



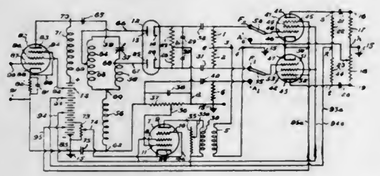
1. The combination with a machine tool having a rotatable work spindle, a tail stock movable cooperatively with respect to said spindle for grasping and releasing work pieces, a cutter, and mechanism for operating said spindle, tail stock and cutter to perform a cycle of work grasping, cutting, and work releasing actions; of a rotatable magazine having holders for blank work pieces spaced equidistant from the axis of the magazine and at equal distances from each other in the plane of rotation, a transfer arm having a work gripper and being mounted for angular movement in a location to shift said gripper from work grasping relation with one of the blanks on the magazine to delivering position between the work spindle and tail stock, and correlated mechanism operable to turn the magazine step by step and move the transfer arm in timed relation with the movements of the magazine and the movements of the tail stock.

2,382,014
UNIVERSAL DEMODULATOR FOR FREQUENCY AND AMPLITUDE MODULATION
Edward H. Lange, Baltimore, Md.
Application February 2, 1943, Serial No. 474,468
12 Claims. (Cl. 250—27)



1. A universal demodulator, for converting the envelope of frequency variations and the envelope of amplitude variations, of an impressed high-frequency carrier voltage having both amplitude-modulation and frequency-modulation, to the respective low-frequency alternating voltages corresponding to said envelopes, said demodulator having a double-diode, a first resistance connected between the cathodes of said double-diode, a resonant circuit having an inductance coil, a conductive connection between the anodes of said double-diode including inductance of said coil, a choke-coil connected in series with a second resistance from the half-resistance point upon said first resistance to the half-inductance point upon said included inductance between said anodes, capable of carrying the total unidirectional current of both diodes, a thermionic compensator-tube with anode, cathode, and control-grid, a source of unidirectional voltage connected to said compensator-anode through a second inductance coil and an anode-switch, coupling means coupling said resonant circuit and said choke-coil with voltages of said high-frequency, and coupling the resonant circuit with the anode-cathode of said compensator-tube, and circuit connections between said control-grid and said compensator-cathode, including a negative-voltage bias means and connections to said second resistance, impressing positive voltage from said second resistance upon said grid, and preventing application of said high-frequency upon said grid.

2,382,015
DEMODULATOR FOR FREQUENCY AND AMPLITUDE MODULATION
Edward H. Lange, Baltimore, Md.
Application February 23, 1943, Serial No. 476,854
16 Claims. (Cl. 250—27)

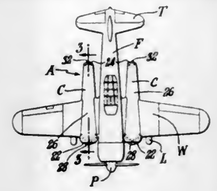


1. A demodulator providing separate frequency-demodulation output-voltages and amplitude-demodulation output-voltages, simultaneously, from an impressed high-frequency carrier-voltage, said demodulator having a thermionic double-diode, a resonant circuit, connections between said double-diode and resonant circuit including a first resistance connected between the cathodes of said double-diode, a connection from each anode of said double-diode to said resonant circuit, and a second resistance connected from the half-resistance point upon said first resistance to said resonant circuit; a ground connection at said half-resistance point, and thermionic tube compensating means having a control-grid to cathode control-circuit including connections between said second resistance and ground connection, compensating the effect of amplitude variation upon said frequency-demodulation output-voltages.

2,382,016
AIRCRAFT CONTROL
Aubrey Love, Ridgewood, N. J., assignor of one-fourth to Edward J. Garity, New York, N. Y.
Application August 16, 1941, Serial No. 407,243
7 Claims. (Cl. 244—113)

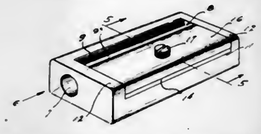
1. Apparatus for continuously controlling the speed of an airplane in flight independently of the propelling means and lifting control surfaces

thereof comprising, in combination, enclosed conduit means integral with the wing structure of the airplane on each side of and outside the fuselage, and extending parallel to the fuselage; the cross-sectional area of said conduit means decreasing from entrance to exit to throttle the flow of air therethrough and the rate of decrease being substantially uniform over most of the length of



said conduit means; closure means for varying the cross-sectional area of the entrance to said conduit means to vary the volume of air entering thereinto; closure means for varying the cross-sectional area of the exit of said conduit means to vary the volume of air discharged therefrom; and independent continuously operative control means for each of said closure means.

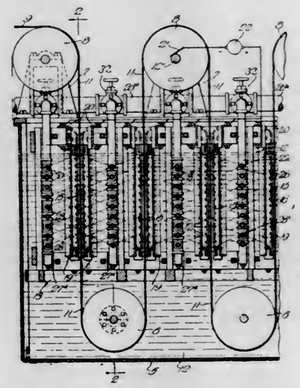
2,382,017
PENCIL SHARPENER
Jay J. Lucas, Centerline, Mich., assignor of twenty-five per cent to Ivan Elenbaas, Centerline, Mich.
Application May 3, 1944, Serial No. 533,911
1 Claim. (Cl. 120—93)



A pencil sharpener of the class described comprising a substantially rectangular body provided with a conical pencil accommodation socket closed at one end and opening at its opposite end through a corresponding end of the body, said body being formed in its top with a slot for registry with said socket, the body also having its major top portion rabbeted out to define a flat smooth blade accommodation platen, and a ledge along the outer longitudinal edge of said platen, the end portions of the body in alignment with said platen projecting to elevations above the surface of the plate to define abutment flanges, and a grooved clamping plate arranged between the flanges and overlying the plate and ledge, the outer edge of said clamping plate having a groove in alignment with and above said ledge.

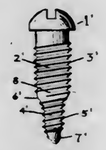
2,382,018
APPARATUS FOR ELECTROPLATING
Edwin D. Martin, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application February 19, 1941, Serial No. 379,611
7 Claims. (Cl. 204—206)

6. In an electroplating apparatus for plating metal upon a cathode, the combination of, a container for holding a bath of plating solution, means for supporting said cathode in said bath, means having orifices in said bath for producing a plurality of streams of substantial velocity in said bath directed toward said cathode, means for supporting anodes of the plating metal in said bath in plating relation with said cathode and adjacent said cathode between said stream producing means and said cathode, a lattice of



insulating material positioned between said anodes and said cathode, said stream producing means being positioned to direct the streams from said orifices against and around said anodes and then in the direction of said cathode through said lattice and against said cathode.

2,382,019
COMPOUND SCREW
Edwin August Miller, Fairfield, Conn.
Application May 2, 1944, Serial No. 533,680
1 Claim. (Cl. 85—41)

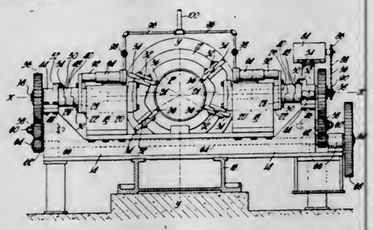


A compound screw adapted to be driven into nonbored wooden material, or the like, the screw comprising a headed cylindrical shank section threaded from adjacent said head throughout its length; one or more other cylindrical shank sections, each of less diameter than that of the headed and preceding section, certain of said other sections being threaded throughout and the convolutions of all threaded sections being of the same number to the inch; nonthreaded tapered sections integrally connecting the cylindrical sections; a substantially abrupt cutting shoulder with which each terminal of the threaded sections is provided; and a conoidal terminal provided by the screw.

2,382,020
CUTTING-OFF TOOL
Andrew B. Nesbitt and Samuel Webb, Pittsburgh, Pa., assignors to National Tube Company, a corporation of New Jersey
Application November 10, 1943, Serial No. 509,810
8 Claims. (Cl. 164—36)

8. A machine for severing elongated bar or pipe stock, comprising means for rotating the stock on its longitudinal axis, a tool support carrying at

least one cutter, means for traversing the tool support toward the stock, said traversing means comprising one non-rotating cam secured to the tool support, another non-rotating cam engaging a fixed abutment, a rotatable cam disposed be-

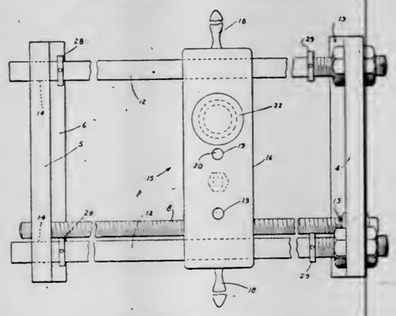


tween the two non-rotating cams and having respective cam faces coacting with abutting faces of both the non-rotating cams, means for driving the rotatable cam, and means for retracting the cutter support upon completion of the forward cutting movement of said rotatable cam.

2,382,021

PORTABLE HAND-OPERATED CUTTING DEVICE

Joe J. Otto, Seattle, Wash.
Application January 15, 1945, Serial No. 572,864
4 Claims. (Cl. 164—73)



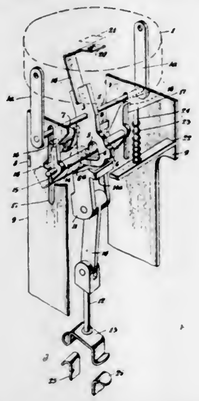
1. In a portable hand-operated hole cutter, an open framework embodying a pair of vertical longitudinally spaced and parallel plates, an adjusting and clamping screw mounted in said plates to clamp same on the work, a pair of horizontal parallel guide rods also mounted in said plates, a carriage located between said plates and shiftably mounted on said guide rods, a cutting tool, an adapter carrying said cutting tool, and a screw operating connection between the carriage and adapter said screw operating connection serving to vary the depth of cut of said tool.

2,382,022

ELECTRIC SWITCH

Henri Perret, Zug, Switzerland, assignor to Landis & Gyr, A. G., a corporation of Switzerland
Application October 1, 1942, Serial No. 460,361
In Switzerland December 16, 1941
8 Claims. (Cl. 200—160)

1. A switch operating device including in combination a reciprocable switch member, a sliding and tilting actuating element having a preliminary sliding traverse and a continued final sliding traverse at the end of its preliminary traverse and in the same direction for switch closing and releasing actions, a sliding and tilting motion transmitting and locking element slidable by and on the preliminary sliding movement of the actuating element to transmit movement in switch closing direction to the reciprocable switch member, means for tilting the actuating element at the end of its preliminary traverse to set it for its final sliding traverse and to effect tilting motion in one direction of the motion transmitting and locking element to dispose it in position to be locked, means operative on such tilt-

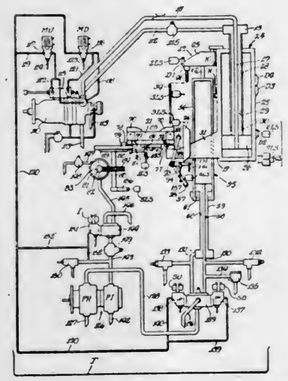


ing motion of the motion transmitting and locking element to lock the same and the actuating element in switch closing position, and means operative on the final sliding traverse of the actuating element beyond the end of its preliminary traverse to release the parts and return them to normal position and in such action to cause the motion transmitting element to impart movement in switch opening direction to the reciprocable switch member.

2,382,023

POWER TRANSMISSION SYSTEM

John W. Podesta, Ann Arbor, Mich., assignor to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan
Original application August 2, 1940, Serial No. 349,430, now Patent No. 2,343,420, dated March 7, 1944. Divided and this application October 24, 1941, Serial No. 416,315
15 Claims. (Cl. 60—97)



3. In a hydraulic power transmission system, the combination of a main fluid motor, an auxiliary fluid motor, said motors being movable through forward and reverse strokes in the same direction, pump means forming a source of fluid under pressure for operating said motors, hydraulically actuated means controlling the supply of fluid to said motors, means forming a separable mechanical connection between said main and auxiliary motors, and governing means for said hydraulically actuated control means including a fluid control circuit operating said control means to cause said main and auxiliary motors to move through a cycle of non-simultaneous but partially concurrent forward and reverse strokes, the main motor operating the auxiliary motor by said mechanical connection during the concurrent portion of said reverse strokes.

14. In a hydraulic power transmission system, the combination of a main fluid motor, an auxiliary fluid motor, a work support indexing fluid motor, pump means forming a source of fluid under pressure for operating said motors, means for controlling the supply of fluid to said motors including a hydraulically actuated fluid flow reversing means for each said main and said auxiliary motors, a pair of solenoid actuated valves for each of said reversing means and an electrical system including the solenoids of said solenoid actuated valves connected in parallel, and a switch device connected in series with said solenoids and opened by means driven by said indexing motor during the indexing operation thereof to prevent operation of either said main or said auxiliary motors.

2,382,024

RESISTOR AND METHOD OF MAKING IT

Neil Y. Priessman, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1943, Serial No. 484,357
6 Claims. (Cl. 201—63)



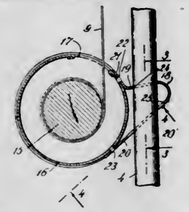
1. A method of adjusting the resistance of a plate or disc type resistor having adherent conductive coatings substantially covering each face, that comprises proportioning the resistor so that its resistance between coatings is somewhat lower than that required, separating each conductive coating into two portions, a portion of each coating corresponding in area, shape and orientation to the portion of the other coating directly opposite thereto, to provide two pairs of electrodes, whereby the effective resistance of the resistor, when connection is made to one of said pairs of electrodes, comprises the resistance between the electrodes of said pair, in parallel with the series combination of the resistance between the electrodes of the other pair and the resistance between the pairs, the separation being made so that the resistance between pairs is several times the resistance between the electrodes of said other pair, said effective resistance being slightly lower than that required, and then increasing the effective resistance slightly by removing a portion of each of said other electrodes.

2,382,025

PROJECTION SCREEN STAND

Albert L. Raven, Mount Vernon, N. Y.
Application May 29, 1943, Serial No. 488,952
8 Claims. (Cl. 160—24)

1. In a display stand for rolled screens having a base portion, a mast and an elongated screen roll casing, a device for supporting the casing in adjusted position on the mast comprising a pair of plates projecting from the surface of the casing substantially parallel with the axis thereof, said plates having alined apertures therein to receive the mast, one of said apertures constituting a gripping aperture and the other a guiding aperture, the gripping aperture being only slightly larger than the mast so that its edges grip the

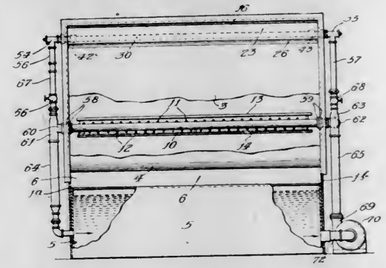


mast when the device is tilted and the guiding aperture being elongated sufficiently to prevent its ends from touching the mast when the device is tilted into gripping engagement therewith, and the sides of said aperture being in guiding engagement with the mast to maintain the casing axially at substantially right angles thereto.

2,382,026

WATER CURTAIN DISTRIBUTING MEANS FOR SPRAY BOOTHS

John F. Roche, Jr., River Forest, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 1, 1940, Serial No. 338,392
11 Claims. (Cl. 261—36)



1. In a spray booth type of gas cleaner having an upright apron disposed for the flow of a sheet of liquid downwardly over a face thereof; a liquid sheet forming device comprising a chamber provided with an opening at the upper end of the apron and having forward, upper, rear and lower wall portions with the forward edge of said lower wall portion ending at said upper end of said apron and said opening, a manifold type of distributor in said chamber for directing liquid to flow over the faces of said wall portions in the form of sheets to flow as a resultant sheet of liquid to and over said face of said apron and a liquid supply means including a reservoir, a pump, and a liquid conducting means connected to said distributor for supplying liquid thereto.

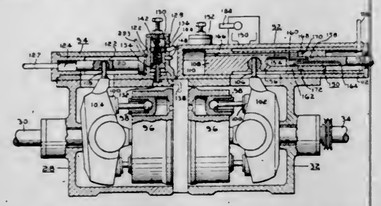
2,382,027

POWER TRANSMISSION

Edwin L. Rose, Woodbury, Conn.
Original application July 5, 1938, Serial No. 217,395, now Patent No. 2,265,314, dated December 9, 1941. Divided and this application April 25, 1941, Serial No. 390,237
3 Claims. (Cl. 255—19)

1. A fluid pressure operated control system comprising a cylinder and piston mounted for

relative movement in accordance with changes in a quantity to be controlled, a fluid pressure circuit for maintaining fluid under pressure in one end of the cylinder, a valve for variably passing fluid from said one end of the cylinder,



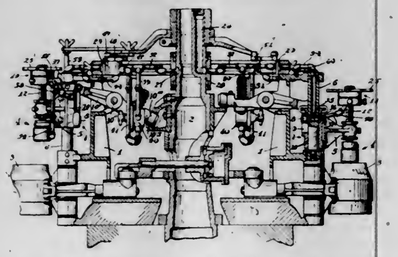
means for operating said valve in accordance with relative movement between the piston and cylinder, a valve responsive to variations in pressure in said end of the cylinder, and means controlled by the last mentioned valve for bodily moving the cylinder and piston assembly.

2,382,028

CONTAINER BLOWING AND COOLING APPARATUS

Otto H. Samuelson and Anthony T. Zappia, Indianapolis, Ind., assignors to S. & Z. Manufacturing Company, Inc., Indianapolis, Ind., a corporation of Indiana

Application October 1, 1942, Serial No. 460,370
8 Claims. (Cl. 49—19)



1. A rotary supporting frame, a supporting king pin supported on said frame and having a central bore, a cam pin mounted on said king pin extending transversely thereof and having a bore communicating with said king pin bore, said cam pin bore extending to the periphery of said cam pin, a hub vertically movable on said king pin and having a spiral slot therein engaged by said cam pin for imparting an oscillating movement to said hub, means associated with said frame and hub and adapted by the rotation of said frame to vertically reciprocate said hub, said hub having an internal groove therein adapted to coincide with said cam pin bore when the hub is in a predetermined position, a blow head carried by said hub, conduit means for connecting said blow head with said hub groove and conduit means for connecting said king pin bore with a source of fluid under pressure.

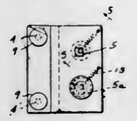
5. In an apparatus for forming hollow glass containers, in combination, a rotary supporting frame, a source of fluid under relatively high pressure, pressure reducing means carried by said frame, a pressure conduit extending between said pressure reducing means and said source of fluid under relatively high pressure, a blow head supported on said frame, a valve carried by said frame, conduit connections between said valve and said pressure reducing means and between said valve and said high pressure source, said valve controlling the admission of fluid under high and low pressure to said blow head, conduit connections between said valve and said blow head, a valve carried on said blow head, and means operatively associated with said blow head valve and controlling the egress of fluid under pressure from said blow head.

2,382,029

MULTIPLE DRAWING SPACER

John Hubert Scott, Corpus Christi, Tex.

Application April 6, 1943, Serial No. 482,034
3 Claims. (Cl. 33—110)



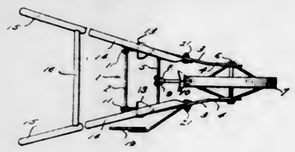
1. In a drafting machine movable over a supporting surface, a separable part applicable to selected positions on the machine and comprising spaced flanges which have aligned upper and lower openings, a guide fitted between the flanges, a stop element slidable axially through said guide and which works also through said upper and lower openings, yieldable means normally holding the stop element out of engagement with said surface but yieldable upon the application of pressure to the stop element to move the latter into engagement with said surface to hold said element stationary, an anchor between said flanges and a yieldable member connecting said anchor and said guide.

2,382,030

HAND CULTIVATOR

Roy E. Sievert, Morris, Minn.

Application March 23, 1944, Serial No. 527,807
1 Claim. (Cl. 97—59)



A hand cultivator of the character described comprising a horizontal, substantially U-shaped metallic frame including a cross member and converging legs extending forwardly from the ends of the cross member, said legs terminating in spaced, parallel forward end portions, a wheel journaled between said forward end portions of the legs, a brace extending between intermediate portions of the legs, shanks depending from the cross member of the frame, a pair of handles pivotally secured for vertical swinging adjustment to the frame legs at a point substantially in transverse alignment with the rear portion of the wheel, braces depending from intermediate portions of the handles and having spaced openings in their lower end portions, U-bolts securing the shanks to the cross member of the frame, said U-bolts being engageable selectively in the openings for adjustably conneeting the second-named braces to the cross member of the frame, a shank depending from the first-named brace, shovels mounted on the first and second-named shanks, and a U-bolt engageable in apertures in said first-named brace securing said second-named shank thereto.

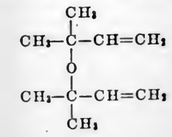
2,382,031

ETHER OF 2-METHYL-2-HYDROXY-BUTENE-3

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application December 24, 1942, Serial No. 470,077
1 Claim. (Cl. 260—614)

As a new composition of matter, a compound having the following structural formula



2,382,032

NIPPLE PIERCING NEEDLE FOR NURSERIES

Roslyn Stone and Arthur R. Levine, New York, N. Y.

Application August 1, 1944, Serial No. 547,651
1 Claim. (Cl. 164—119)

A nursery accessory tool for burning holes in



nursery bottle nipples without removing the nipple from the bottle, said tool being adapted to be placed over an open flame for heating the tool before applying it to the nipple, said tool comprising a straight metal shank formed at its one end with a needle portion axially of the shank, said needle portion being adapted for piercing a hole in the nipple, a heat retaining body on said shank at the point where the needle portion extends from the shank, an insulating handle on said shank at its opposite end, a substantial distance from said heat retaining body, for manipulating the tool to heat it and for inserting the heated tool in the nipple to burn a hole therein, whereby when said needle portion and heat retaining body are heated and removed from the source of heat for piercing the nipple immediately thereafter, the needle point will remain heated long enough for the burning of the hole, said insulating handle serving to protect the hand of the user during the burning operation and for manipulating the tool.

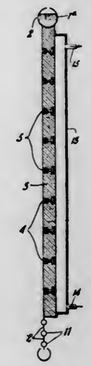
2,382,033

LIQUID TREATING METHOD

George C. Supplee, Otto G. Jensen, and George E. Flanigan, Bainbridge, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey

Application May 8, 1940, Serial No. 333,942
2 Claims. (Cl. 99—221)

1. A method for pasteurizing a liquid, comprising flowing the liquid over a surface in a film that is unconfined on one side while conducting an electric current through the liquid to increase the temperature of the liquid from below about 100° F. to above about 160° F., and thereupon rapidly cooling the liquid to below a temperature that is deleterious, said heating and cooling



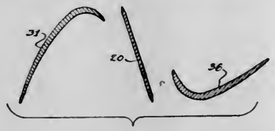
steps constituting a substantial continuity of temperature rise and drop in not over about 5 seconds' time.

2,382,034

POWER TRANSMITTING APPARATUS

Ernest E. Wemp, Detroit, Mich.

Application April 30, 1942, Serial No. 441,183
6 Claims. (Cl. 60—54)



4. In a hydraulic coupling, a driving member, a driven member, a housing forming a torus chamber surrounding the axis of the said members, an impeller on the driving member having fixed blades operating in the torus chamber for causing the liquid to flow in the torus chamber, a stator having fixed blades for receiving the liquid discharged from the impeller, a turbine on the driven member having blades for receiving the liquid discharged from the stator, means mounting the turbine blades for pivotal adjustment, each on a substantially radial axis, through a predetermined angle to provide a high R. P. M. ratio between the impeller and the turbine in one extreme position of adjustment and a low R. P. M. ratio in the other extreme position of adjustment, the blades of the turbine being constructed to substantially uniformly decelerate the liquid when adjusted in the extreme high R. P. M. ratio position.

2,382,035

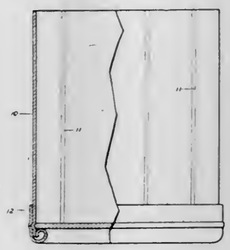
CONTAINER

Isaac L. Wilcox and Raymond Horning, Fulton, N. Y., assignors to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application June 19, 1943, Serial No. 491,490
2 Claims. (Cl. 229—5.7)

1. A container comprising a tubular body shell formed of fibrous material, a band member formed of fibrous material and rolled inwardly at one end to form a closed bead, said band member encircling the lower end portion of said shell with the end edge thereof positioned between said bead and the wall of the band, said

bead yieldingly pressing the end edge of the shell against the wall of the band, and a bottom clo-



sure disk arranged in the shell and positioned upon said bead and pressing the shell outwardly into tight engagement with the wall of the band.

2,382,036

BIS(2-CYANOETHYL) ETHER AND PROCESS FOR MAKING SAME

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application January 10, 1941, Serial No. 373,944

2 Claims. (Cl. 260—464)

1. Process which comprises reacting two mols of acrylonitrile with one mol of water in the presence of an alkaline catalyst.

2,382,037

NORPOLYCYCLOPENTADIENE MONOHYDROHALIDES

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 20, 1943, Serial No. 476,641

10 Claims. (Cl. 260—648)

1. An addition-rearrangement product of a hydrogen halide having a molecular weight above twenty and a crystalline polycyclopentadiene having two double bonds and one to four endomethylene cycles per molecule, said product being formed in the presence of water and being a norpolycyclopentadiene monohydrohalide having its halogen atom in one terminal cycle and having an olefinic linkage in the opposite terminal cycle.

2,382,038

TRIHALO-TETRAHYDRONORPOLYCYCLOPENTADIENES

Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 20, 1943, Serial No. 476,644

10 Claims. (Cl. 260—648)

1. A trihalotetrahydronorpolycyclopentadiene, all halogen atoms of which have atomic weights above nineteen, said product being obtained by adding in the presence of water a hydrohalide to a polycyclopentadiene having two double bonds and one to four endomethylene cycles per molecule, with subsequent rearrangement to form a halodihydronorpolycyclopentadiene having a terminal cyclopenteno group, and adding at a temperature below about 30° C. two halogen atoms to saturate said cyclopenteno group.

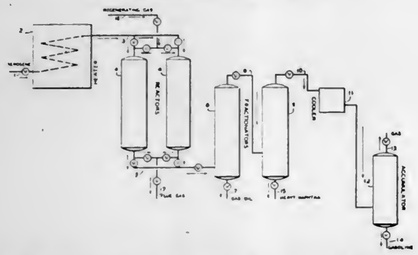
2,382,039

CATALYTIC CONVERSION OF HYDROCARBON OILS

Du Bois Eastman and Charles Richker, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application December 10, 1942, Serial No. 468,527

4 Claims. (Cl. 196—50)



4. A process for the manufacture of high anti-knock gasoline of high lead susceptibility boiling within the range up to about 300° F. which comprises obtaining from naphthene base crude petroleum a kerosene fraction having a C. F. R. M. octane value in the range about 45 to 60, heating said fraction to a temperature in the range 800 to 925° F. under conditions such that the heated fraction contains no measurable quantity of gasoline formed as a result of said heating, immediately subjecting the heated fraction in vapor phase to contact with a solid cracking catalyst of such activity that upon passing gas oil vapor through a stationary mass of the catalyst maintained at a temperature of about 950° F. and with a space velocity of about 2 for about two hours without interruption, the cracked gasoline obtained amounts to at least 10% by volume of the gas oil and has an octane number of at least about 77 C. F. R. M., and effecting said contact between the catalyst and the heated fraction at a space velocity in the range about 2 to 4 and under a pressure ranging from atmospheric to 100 pounds so as to obtain a substantial yield of butane-free high anti-knock gasoline boiling within the range up to about 300° F.

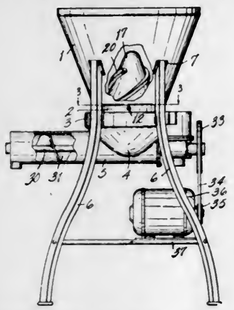
2,382,040

CORN SHELLING AND SHREDDING MACHINE

John A. Erickson, Jackson, Mich.

Application August 5, 1944, Serial No. 548,228

8 Claims. (Cl. 146—74)



8. In a structure of the class described, the combination of an inverted conical hopper having an internal spiral rib at the lower end thereof, a shear member mounted at the bottom of the hopper and comprising a central vertical

bearing and a plurality of shear bars radiating therefrom, a shaft carried by said bearing, a conical rotor eccentrically mounted on the upper end of said shaft to rotate within said opening, said rotor having an external spiral rib, the ribs coacting to feed the grain downwardly and to shell the same, the lower end of the rotor being spaced from the hopper to permit the discharge of cobs, and a driven cutter member mounted on said shaft below said shear member and comprising a plurality of blades coacting with said shear bars.

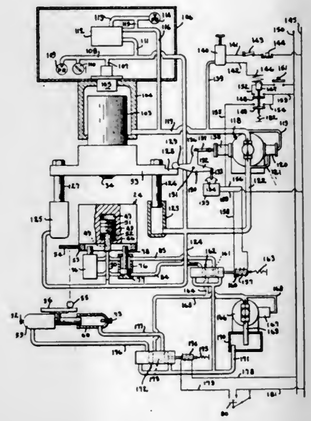
2,382,041

TURRET PRESS

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application March 1, 1941, Serial No. 381,376

12 Claims. (Cl. 78—42)



7. In combination with a press, a frame, a work holding turret rotatably mounted on said frame, a cylinder part, a piston part reciprocable within said cylinder part on an axis of rotation of said turret, one of said parts being attached to said turret, the other of said parts being attached to said frame, whereby, when fluid pressure is introduced into said cylinder, the parts are reciprocated to float said turret directly by fluid pressure.

2,382,042

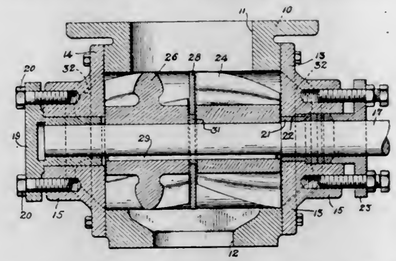
POSITIVE DISPLACEMENT GEAR PUMP

Samuel R. Etnyre, Oregon, Ill., assignor to E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois

Application February 24, 1943, Serial No. 476,905

2 Claims. (Cl. 103—128)

1. A positive displacement gear pump comprising, in combination, a pump housing, a partitioning member dividing said housing into two chambers, a pair of intermeshing helical toothed gears rotatably supported in each of said chambers, said gears being mounted with the teeth of one pair in staggered relation to the teeth of the other pair, means for rotatably driving said gears, the teeth of said gears being formed with a helix angle related to the width of the gears so that the leading end of each tooth terminates with the following end of the adjacent tooth approximately in a common plane passing through the axis of the gear whereby to provide a smooth yet substantially positive discharge of fluid, said gears being arranged with the teeth of one pair disposed at an angle opposite to the teeth of the



other pair, a fluid inlet communicating with both of said chambers, and a fluid outlet communicating with both of said chambers to receive the combined discharge of both pairs of gears.

2,382,043

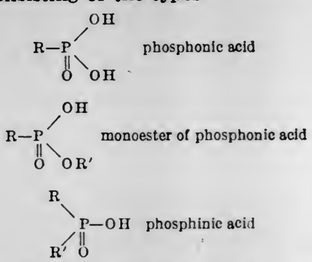
COMPOUNDED MINERAL OIL

Bruce B. Farrington, James O. Clayton, and John T. Rutherford, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 13, 1941, Serial No. 374,241, which is a division of application Serial No. 241,648, November 21, 1938. Divided and this application January 4, 1943, Serial No. 471,276

8 Claims. (Cl. 252—32)

5. A liquid lubricating composition comprising a hydrocarbon oil subject to deterioration at elevated temperatures and a small amount, sufficient to inhibit said deterioration, of a polyvalent metal salt of a substituted acid of pentavalent phosphorus having an organic radical directly attached to a phosphorus atom of said acid by a carbon-to-phosphorus bond and selected from the class consisting of the types



in which R and R′ may be alkyl, aryl, alkaryl, aralkyl or cyclic nonbenzenoid groups.

2,382,044

PRODUCTION OF WATER-FREE ALCOHOL

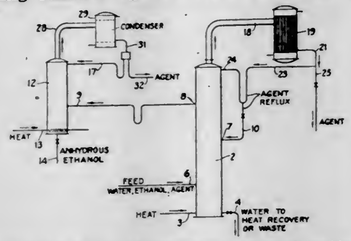
Webster E. Fisher, Pine Bluff, Ark., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 3, 1942, Serial No. 449,614

6 Claims. (Cl. 202—40)

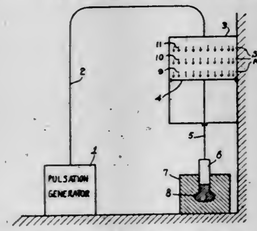
1. In a process of obtaining dehydrated ethanol, the improvement step which comprises distilling an aqueous solution of ethanol in a rectification column in the presence, as the third component, of an amount of an agent selected from the group consisting of methanol and acetone, sufficient to produce an agent-ethanol composition essentially

free of water at the top of the column and withdrawing ethanol-agent mixture from the column



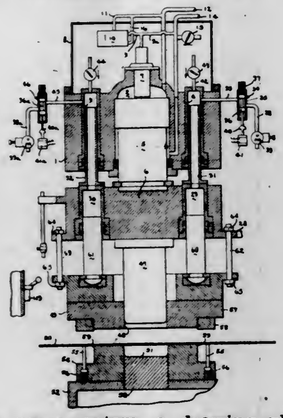
at a point where the water-ethanol ratio is less than azeotropic proportion.

2,382,045
METHOD OF FORGING
Paul E. Flowers, Shaker Heights, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application June 19, 1942, Serial No. 447,745
4 Claims. (Cl. 78—81)



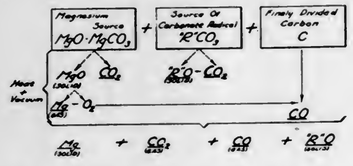
1. The process of forging consisting of applying a predetermined minimum forging pressure on the work while superimposing a pulsating forging pressure thereon.

2,382,046
HYDRAULIC PRESS
Paul E. Flowers, Shaker Heights, and Walter Ernst and Howard F. MacMillin, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application February 23, 1942, Serial No. 432,028
16 Claims. (Cl. 113—42)



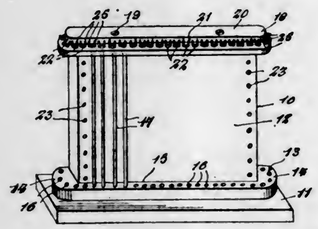
1. In a press system, a drawing plunger for drawing a work piece, fluid operable blankholder means operable to advance toward a work piece and to hold the same while it is being drawn by said drawing plunger, shearing or blanking means connected to said blankholder means for shearing or blanking a work piece, means operable to actuate said blankholder means so as to cause the same to effect a blanking operation prior to said drawing operation, controlling means for preventing the fluid pressure acting upon said blankholder means from dropping beneath a predetermined value during the initial phase of said shearing or blanking operation, and means responsive to a predetermined pressure acting on said blankholder means during said blanking operation for initiating a reduction of said predetermined pressure prior to the initiation of the actual drawing operation.

2,382,047
MAGNESIUM
Henry Ford, Dearborn, Elbert Edwin Ensign, Ypsilanti, and Archibald C. Quinn, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 16, 1942, Serial No. 431,078
13 Claims. (Cl. 75—67)



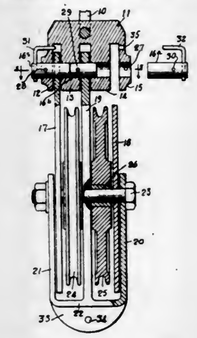
1. The process of producing reguline metallic magnesium comprising the steps of mixing a magnesium-bearing compound, carbon and a foreign finely divided crystalline component which remains solid at the temperature attained, briquetting such mixture, subjecting such briquettes to temperatures above 2100° Fahrenheit at an absolute pressure not to exceed 3000 microns, one of said materials decomposing to form carbon dioxide at said temperature and pressure, said carbon dioxide upon its release being converted substantially to carbon monoxide exhausting the gases formed therein and thereby flowing the magnesium vapors released to a cooler part of the system, and condensing said magnesium vapors under pressures and temperatures to obtain the metal in the solid, crystalline form.

2,382,048
LOOM CONSTRUCTION
Anna Fox, Yonkers, and Harry J. Dudley, New York, N. Y.
Application June 15, 1944, Serial No. 540,482
5 Claims. (Cl. 139—34)



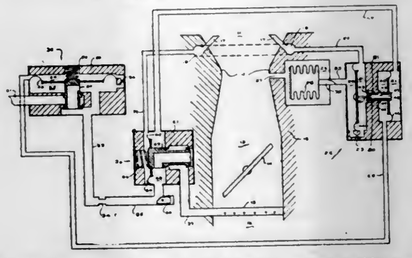
1. In a loom, a base having an upright support, a warp holder on the top of the support, a needle holder vertically adjustable upon said support to present needles carried thereby above said warp holder, said needles being constructed for support of a warp thread, defining a shed through which weft threads may be inserted between said needles.

2,382,049
SNATCH BLOCK
Albert G. Frankhouser, Lima, Ohio, assignor to The H. G. Shook Company, Lima, Ohio, a corporation of Ohio
Application April 3, 1944, Serial No. 529,329
6 Claims. (Cl. 254—193)



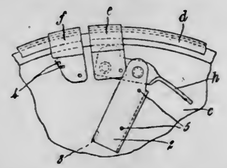
4. In a sheave block, a hanger having spaced prongs defining a central and two side slots, a shell comprising a center plate and arms spaced from and upon opposite sides of said plate, said plate extending into said central slot, a plurality of sheaves, common pivot means journaling at least one sheave between said plate and one arm, and the remaining sheaves between said plate and the other arm, side plates on said pivot means each adjacent a respective arm, each said side plate normally extending into a respective side slot in said hanger, there being aligned apertures in said prongs and plates, and a pin comprising separate central and end sections, passing through said apertures, the meeting ends of said central and said end sections lying within the apertures in the prongs defining said central slot.

2,382,050
CARBURETOR
Stanley W. Gilbert, Middletown, Conn., assignor to Chandler-Evans Corporation, South Meriden, Conn., a corporation of Delaware
Application July 30, 1943, Serial No. 496,750
1 Claim. (Cl. 261—39)



A carburetor for an internal combustion engine, comprising in combination, a first conduit for conveying air for combustion purposes to said engine, a venturi in said first conduit for producing two unequal pressures therein whose difference is a measure of the rate of air flow therethru, a source of fluid fuel under superatmospheric pressure, a second conduit for conveying fuel from said source to said engine, a metering restriction in said second conduit, means for regulating the fuel pressure in said second conduit at the discharge side of said restriction, first valve means for controlling the fuel pressure on the intake side of said restriction and thereby controlling the flow of fuel therethru, means for operating said first valve means including a third conduit for by-passing fuel from said source around said restriction to said fuel pressure regulating means, said third conduit including a restriction, an expansible chamber having a movable wall attached to said first valve means for positioning the same, and second valve means for controlling the flow of fluid thru said third conduit and thereby the pressure in said chamber and the position of said first valve means, and operating means for said second valve means comprising two pairs of expansible chambers, two flexible diaphragms, each separating one of said pairs of chambers, one of said diaphragms having a greater area than the second, means for conveying air at said two unequal pressures to the two chambers separated by said one diaphragm, means subjecting the two chambers separated by said second diaphragm to the fuel pressures upstream and downstream from said second valve means, means for connecting the two diaphragms and extending between the high pressure sides thereof including a tubular member which passes thru said second diaphragm to establish fluid communication between the opposite sides thereof, a stationary guide and seat member apertured for the passage of said tubular member therethru, and a port in said tubular member adjacent said seat member, said tubular member, said stationary member and said port comprising said second valve means.

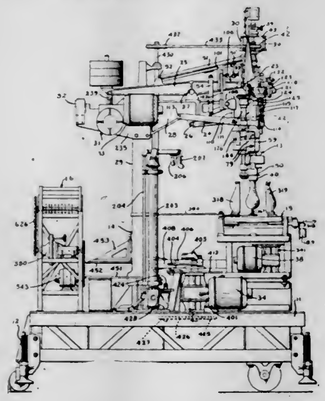
2,382,051
CLOSURE FOR CONTAINERS
Heinz Gräbener, Cologne-Ehrenfeld, Germany; vested in the Alien Property Custodian
Original application June 1, 1936, Serial No. 82,979. Divided and this application July 30, 1940, Serial No. 348,520. In Germany June 1, 1935
1 Claim. (Cl. 220—61)



Means for fixing a cover on a metal receptacle comprising a contractible channeled ring for pressing the cover and receptacle together when the ring is contracted, and means for contracting the ring, including a lug at each end of the ring, directed inwardly toward the center of the cover, a lever pivoted to one lug, a projection on the lever between the inner cover edge and the pivotal point of the lever and adapted to bear against the cover edge so as to draw the end of the ring against the outer edge of the cover, means pivoted to the lever and engaging with the second lug for enabling the two ends of the ring to be drawn together by means of the lever, the axis of said means in the closed position intersecting the tangent to the ring at the junc-

tion point of its two ends in an acute angle on the side of the junction point removed from the lever, an eye on each of the lugs and a pin adapted to be passed through the eyes in the closed position, the eye on the lug which carries the lever having a recess and the lever having a flat edge which bears against the pin through the recess in the closed position and which can swing into the recess when the pin is withdrawn.

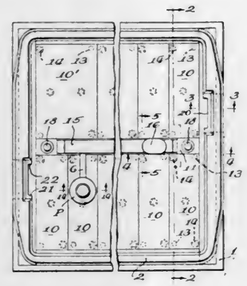
2,382,052
GLASS WORKING MACHINE
David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 4, 1939, Serial No. 297,943
5 Claims. (Cl. 49—5)



1. In a glassware forming machine, a glass gathering and blowhead assembly, a self contained power unit for moving said assembly back and forth between gathering and finishing stations, a second self contained power unit for moving said assembly into and out of a pool of glass at the gathering station, means operated during the latter movements of said assembly for gathering and retaining a charge of glass solely by suction, means for isolating the charge from that in the pool, means for thereafter mechanically locking the charge to the assembly, means for introducing air into the charge during its travel toward the finishing station to form a hollow blank, a divided mold assembly at the finishing station, a third self contained powered unit for opening and closing said mold assembly, a timing mechanism under whose control the time of operation of the respective self contained units are placed, and a separate motor for driving said timing mechanism.

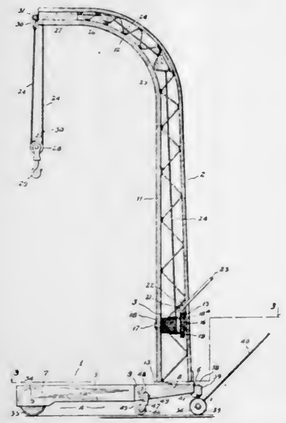
2,382,053
MOLD FORM
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Original application June 14, 1938, Serial No. 213,595. Divided and this application April 2, 1942, Serial No. 437,306
3 Claims. (Cl. 22—157)

3. In a mold form for producing multiple castings in a single mold, a pair of base plates, a central longitudinal gate pattern on each of said plates including mold register doweling means, a pair of flasks mounted in coacting relationship on said base plates, mold registering means constituting a pattern for forming mold section registering devices on the sides of the mold sections, multiple pattern match plates removably



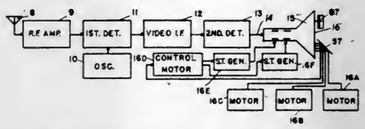
mounted on the base plates to cover the pattern plate areas of the base plates, the arrangement providing structure to permit interchange of pattern plates without disturbing the accuracy of alignment in the pair of molds.

2,382,054
PORTABLE CRANE
Lad L. Hercik, Lakewood, Ohio, assignor to The Hill Acme Company, Cleveland, Ohio, a corporation of Ohio
Application January 26, 1944, Serial No. 519,711
4 Claims. (Cl. 212—142)



1. In a portable crane in combination, a generally U-shaped base frame having forwardly projecting arms and a rear connecting bed, an upright standard supported on the connecting bed, hoisting mechanism associated with the standard for elevating a load straddled by the forwardly projecting arms, two laterally spaced wheel units supporting said arms, a central wheel unit supporting said connecting bed, and safety wheel units positioned on the arms laterally outwardly of vertical planes intersecting the centers of the front wheel units and the center of the rear wheel unit, said safety wheel units being approximately equidistant respectively, from said front and rear wheel units and the bottoms of the safety wheel units being positioned slightly above the plane defined by the bottoms of the wheels of the front and rear wheel units.

2,382,055
REMOTE CONTROL SYSTEM
John H. Homrighous, Oak Park, Ill.
Original application November 28, 1939, Serial No. 306,537. Divided and this application December 16, 1942, Serial No. 469,200
5 Claims. (Cl. 172—239)



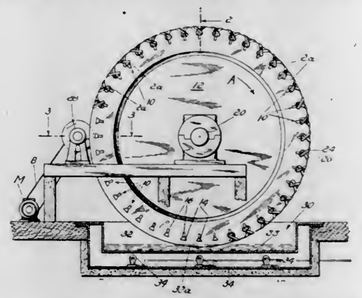
1. In a motor control system, a transmitter, means for producing a plurality of sets of different light values and for periodically interchanging the light values in each set at a point within the view of said transmitter, means for transmitting picture signals representative of said sets of interchanging light values, a receiver for producing images from said signals in which said sets of interchanging light values are reproduced along with the view, a plurality of alternating current motors at said receiver, a direct current supply circuit, apparatus and suitable circuits under the control of said sets of interchanging light values reproduced at said receiver and coacting with said supply circuit to produce alternating currents to operate said motors.

2,382,056
GLASS TRANSPARENT TO FAR ULTRAVIOLET
Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 21, 1944, Serial No. 532,207
6 Claims. (Cl. 106—54)

1. An ultraviolet transmitting glass which comprises essentially silica, boric oxide, alumina and alkali metal oxide, the silica being from 50% to 65%, the alumina from 4% to 10%, and the alkali metal oxide from 3% to 5%, the molecular ratio of boric oxide to alkali metal oxide being greater than 2 to 1, the percentage of alumina being not less than the percentage of alkali metal oxide, and the glass being substantially free from coloring oxides and oxides of zinc and antimony and having a transmission of at least 1% for wave length 185 mμ in one millimeter thickness.

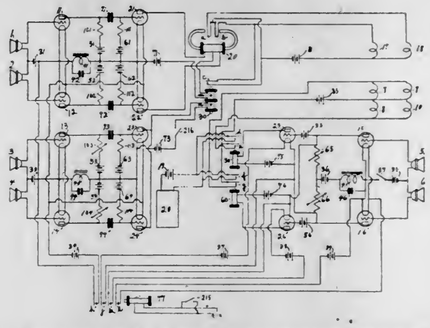
2,382,057
APPARATUS FOR PRODUCING V-REINFORCEMENTS
Morton Hornstein, New York, N. Y., assignor to Breslee Mfg. Company, New York, N. Y., a copartnership composed of Israel E. Levy and Arthur A. Gardner
Application June 7, 1944, Serial No. 539,226
12 Claims. (Cl. 91—14)

5. Apparatus of the character described comprising a frame mounted for turning movement, studs carried by said frame and disposed in two groups spaced from each other longitudinally of the turning axis of the frame, the studs in each of said groups being arranged in a circle concentric with said axis and the studs in one group being in circumferentially offset relation to the studs in the other group, said studs of the two groups projecting in opposite directions, respectively, said frame and studs forming means for providing a web with a plurality of loops in spaced relation longitudinally of the web and with alternate loops spaced laterally of the adjacent loops and connected to the latter by adjacent intermediate portions of the web continuous with said alternate and adjacent loops, and means posi-



tioned near the periphery of said frame for applying a coating material to said intermediate portions of the web while said frame is turned about said axis.

2,382,058
TORPEDO
Maury I. Hull, Arlington, Va.
Application October 17, 1940, Serial No. 361,640
17 Claims. (Cl. 114—23)

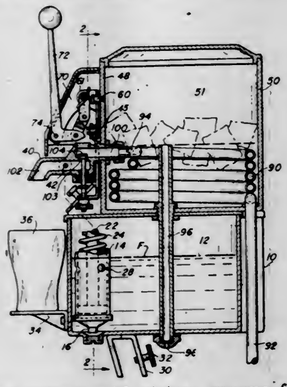


1. In a torpedo, steering apparatus comprising rudders and moving means for turning said rudders, control means for said moving means adapted to be electrically operated, a source of power for said control means, a pair of microphones, a first relay having a pair of windings each carrying current substantially proportional to the intensity of sound reaching one of said pair of microphones, a third microphone, a second relay having a first winding and a second winding, the first winding of said second relay carrying a current substantially proportional to the intensity of sound reaching said third microphone, the second winding of said second relay carrying current proportional to the intensity of sound reaching at least one of said pair of microphones, the contacts of said first and said second relays controlling the application of said source of power to said control means.

2,382,059
LIQUID DISPENSER EQUIPMENT
Thomas A. Hutsell, Renton, Wash.
Application March 8, 1943, Serial No. 478,349
5 Claims. (Cl. 225—26)

5. A mechanism for dispensing a syrup and a fluid as a mixture, comprising: a mixing chamber having a dispensing outlet, means for supplying

fluid under constant pressure to said chamber, a valve for controlling the flow of fluid under pressure, a piston for supplying a measured quantity of syrup to said chamber, means for moving and



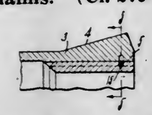
potentially loading said piston, means for opening said valve in response to the movement of said piston, and means responsive to a predetermined potential unloading and movement of said piston to close said valve.

2,382,060

COLLET WITH REMOVABLE PADS

John Ingalls, Windsor, Vt., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt., a corporation of Vermont

Application October 15, 1942, Serial No. 462,197
5 Claims. (Cl. 279—51)



1. In combination with a collet having a plurality of jaws, of a removable pad for each jaw, each pad having on its outer face radially arranged longitudinally disposed ribs and the jaws having grooves to receive said ribs and thereby hold said pads outwardly against the inner faces of said jaws, each of said pads having a circumferential groove in its outer face, and the corresponding jaw having a leaf spring provided with a portion intermediate to its ends engageable in the groove of the corresponding pad for retaining said pad in assembled relation with said jaw.

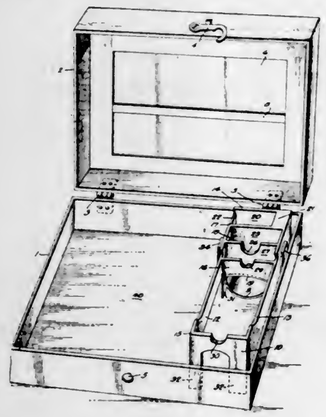
2,382,061

TOILET KIT FOR MEN

Michael Janchick, Hot Springs National Park, Ark.

Application September 19, 1944, Serial No. 554,740
1 Claim. (Cl. 132—79)

In a toilet kit, comprising an elongated, rectangular case of a tray type, and a hinged cover for the said case, an elongated, rectangular rack provided with supporting legs adapted for straddling purpose and having a rear end hinged to the rear side wall of the said case for upwardly swinging movement for purpose described, said rack occupying space in one end of the said case, thus providing the adjoining lateral space within the said case for accommodation of a plurality of toilet containers and other toilet articles, the said rack being also provided with a plurality of pockets for accommodation of essential shaving accessories, including a means adapted for accommodation of a tooth brush with the handle of the said tooth brush extending horizontally to overlie the said containers, said means comprising a pocket in said rack for the bristle end of the



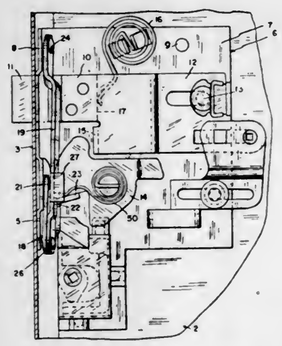
said tooth brush, a ledge in said pocket under which the said bristle end may be inserted, and a notch in one side of the said rack adapted to accommodate the handle of the said brush, thus permitting horizontal extension of the said handle to overlie the said containers.

2,382,062

LATCH

Joseph George Joachim, Detroit, Mich., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 26, 1943, Serial No. 484,610
3 Claims. (Cl. 292—164)



1. In a latch for a door having spaced outside and inside panels and a pillar therebetween, a latch plate having a base and a transverse flange secured respectively to the inside panel and pillar, a bolt carried by said plate and actuating mechanism for said bolt comprising a dog and a lever pivotally mounted on said flange and pivotally connected to each other, said dog being operatively connected to said bolt, and a pull-out handle movable transversely of the outside panel and operatively connected to said lever to actuate said bolt upon movement of said handle from normal position, said handle being movable to normal position independently of said bolt.

2,382,063

MANUFACTURE OF SOAP PRODUCTS

Floyd E. Joyce and Erik J. Lindhardt, Des Moines, Iowa, assignors to National By-Products, Incorporated, Des Moines, Iowa, a corporation of Iowa

No Drawing. Application October 23, 1943, Serial No. 507,482
8 Claims. (Cl. 252—367)

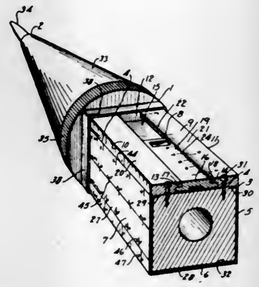
1. A method of making a granulated soap product which comprises providing a soap in paste form and subjecting said soap, at not substantially in excess of room temperature, in a vessel having mulling rotors carried on a revolving cross-head therein, said rotors being supported so that they run slightly above the bottom of said vessel, to the action of said mulling rotors while the same are slowly revolving, the action being continued until the mass is broken down into granules due to the action of said mulling rotors.

2,382,064

CALCULATING DEVICE

William F. Judd, North Kansas City, Mo.

Application June 4, 1943, Serial No. 489,642
3 Claims. (Cl. 235—70)



3. A device of the character described including an elongated body member having a plurality of side faces, a removable sheath for the body member having side edges engaging over side edges of one of said faces, a substantially rigid member disposed upon one of said faces and having side portions overlying the edges of the sheath and provided with inwardly extending lips to form a guideway between said edges of the sheath, a member slidable in the guideway and retained by said lips, and fastening devices extending through said side portions and into the body member to clamp the edges of the sheath to the body member.

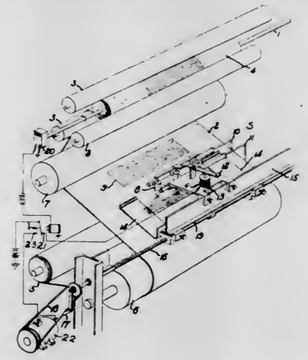
2,382,065

APPARATUS FOR PRODUCING WOUND CONDENSERS

Hans Kappeler, Zurich, Switzerland, assignor to Micafil Ltd., Works for Electrical Insulation and Winding Machines, Zurich, Switzerland, a joint-stock company

Original application May 15, 1940, Serial No. 335,340. Divided and this application July 15, 1941, Serial No. 402,553. In Switzerland August 12, 1939
2 Claims. (Cl. 91—45)

1. In an apparatus for forming wound condensers of the type including a feed roll for a web of insulation and a winding mechanism including a winding mandrel, the combination therewith of rotation-responsive means operatively associated with the winding mandrel, means operatively intermediate the feed roll and winding mandrel for depositing onto such web coatings of a fluid composition comprising finely divided conductive material, and means actu-



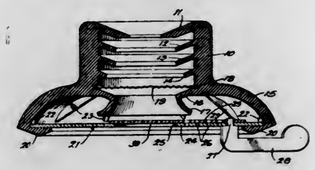
ated by said rotation-responsive means for controlling said coating-depositing means to operate intermittently to thereby apply to such web in a regular sequence of spaced areas a plurality of conductive inserts.

2,382,066

FAUCET ATTACHMENT

Harry R. Klein, Chicago, Ill.

Application October 13, 1944, Serial No. 558,495
6 Claims. (Cl. 299—145)



3. A faucet attachment comprising a resilient casing equipped with resilient means for gripping a faucet and with a substantially cylindrical water passage therethrough, a depending outwardly-flared resilient annular skirt on said casing, a spray plate unit carried by said skirt substantially below said casing and including a plate provided with a central large outlet aperture and a plurality of small spray apertures therein, with a closure disk for selectively opening and closing said outlet aperture, said disk being supported for movement on the upper surface of said plate, and with an annular member secured to said disk and extending laterally therefrom, said member being provided with a central opening of substantially the same size as said outlet aperture and being movable on the upper surface of said plate from open position in which the member extends about said aperture to closed position in which the member engages the inner surface of the side wall of said skirt to limit the movement of the closure disk to which the member is attached, a depending annular resilient guide extending downwardly from said casing and within said skirt into a position of contact with said spray plate unit, the opening in said guide being in substantial alignment and communication with the water passage in said casing and with the outlet aperture of said spray plate whereby when the outlet aperture is

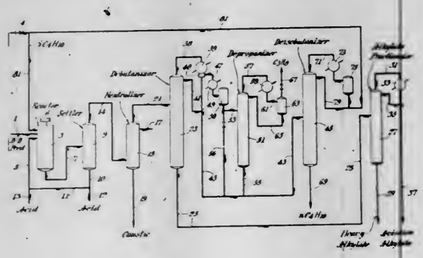
open water may flow through said casing, guide and outlet aperture, and when the outlet aperture in the plate is closed water pressure within the resilient guide causes the lower edge thereof to be distorted outwardly to permit water to flow past the same and through the spray apertures in the plate, and manually operable means for moving said closure disk between open and closed positions.

2,382,067

ALKYLATION

Ludwig Kniel, Jackson Heights, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application April 29, 1942, Serial No. 440,930
6 Claims. (Cl. 260—683.4)



1. The process of alkylating an isoparaffin with an olefin to form high antiknock motor fuel, said isoparaffin containing lower boiling unreactive hydrocarbons unavoidably admixed therewith, which comprises contacting the isoparaffin and the olefin in an alkylation zone with an alkylation catalyst to effect alkylation of the isoparaffin with the olefin, maintaining an excess of isoparaffin over that required to react with the olefin during alkylation, separating the resulting hydrocarbon mixture from the alkylation catalyst, fractionating the hydrocarbon mixture to separate the unreacted hydrocarbons as overhead from the alkylate, partially condensing said overhead to produce a condensate containing primarily unreacted isoparaffin and to concentrate the major portion of the lower boiling unreactive hydrocarbons in the uncondensed portion of the overhead, separating the uncondensed portion of said overhead and subjecting it to further fractionation within a zone independent of the zone of said first fractionation for control of fractionating conditions independently of fractionating conditions within said first zone to separate the lower boiling hydrocarbons from a bottoms fraction containing isoparaffin therein, eliminating the separated lower boiling hydrocarbons from the system, recovering unreacted isoparaffin from said condensate and said bottoms fraction and recycling it to the alkylation zone to maintain said excess of isoparaffin therein, and fractionating the alkylate to recover a high antiknock motor fuel.

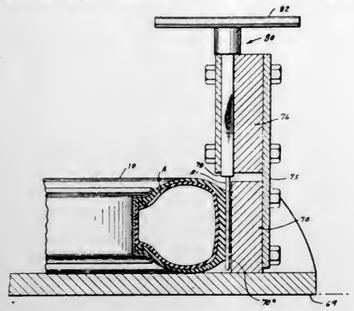
2,382,068

METHOD FOR MANUFACTURING TIRES

Frank Kovacs, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Delaware

Application May 25, 1942, Serial No. 444,439
4 Claims. (Cl. 154—14)

1. A method of manufacturing pneumatic tires having a tread portion including one or more circumferentially extending ground-engaging ribs, said method comprising flattening an area of the tire tread, and piercing said rib or ribs with a tool transversely through the tread portion at



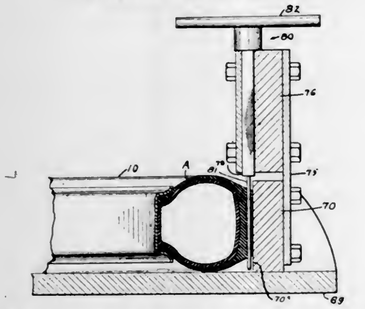
said flattened area thereof to provide a slit through said rib or ribs.

2,382,069

APPARATUS FOR MANUFACTURING TIRES

Frank Kovacs, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Delaware

Original application May 25, 1942, Serial No. 444,439. Divided and this application June 26, 1944, Serial No. 542,206
4 Claims. (Cl. 164—86)



1. Apparatus for slitting pneumatic tire treads, comprising a support for supporting a tire, means on said support operable to apply pressure against the tread surface of a tire supported thereon to flatten an area of the tread, a rectilinear cutter, and means for mounting said cutter to be shiftable to provide a transverse slit through said flattened area of the tread.

2,382,070

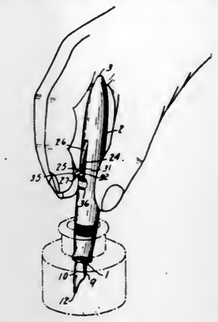
FOUNTAIN PEN

Edwin E. Kratz, Kansas City, Mo.

Application August 14, 1943, Serial No. 498,629
3 Claims. (Cl. 120—46)

1. In a fountain pen adapted to be filled with ink through an end thereof, a barrel having a slot-like opening in a side thereof, an ink sack in the barrel, a spring-like tongue underlying the slot-like opening, a presser bar carried by said tongue and arranged to press the ink sack, a filler bar having a tongue engaged between the spring-like tongue and said barrel at the end of the slot-like opening remote from the filling end of the pen, means pivotally mounting said tongue end of the filler bar within said end of the slot-like opening of the barrel, and a lift bar pivoted intermediate the ends thereof on the end of the filler bar nearest the fill end of the pen, said

lift bar having a finger engaging tip on one end for moving the other end of the lift bar into contact with the spring-like tongue and projecting the filler bar from said slot-like opening for rais-



ing said pivot of the lift bar from said barrel to provide sufficient movement of said contact end into the barrel for collapsing said sack when pressure is applied to the presser bar through movement of the lift bar.

2,382,071

METHOD OF PREPARING GAMMA-ACETOPROPANOL

Lucas P. Kyrides, Webster Groves, and Ferdinand B. Zienty, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 8, 1944, Serial No. 553,290
20 Claims. (Cl. 260—594)

1. The method of preparing gamma-acetopropanol and gamma-valerolactone comprising heating 1,4-pentanediol with a small portion of an organic acid for a short period of time, cooling the mixture, heating the cooled mixture with a copper chromite catalyst, simultaneously recovering a crude mixture of reaction products from the reaction mixture, subsequently recovering a mixture of 2-methyl-4,5-dihydrofuran and water from said reaction products, allowing said mixture to stand until gamma-acetopropanol is formed in said mixture, recovering gamma-acetopropanol from said mixture, and subsequently recovering gamma-valerolactone from the residue of said crude mixture of reaction products.

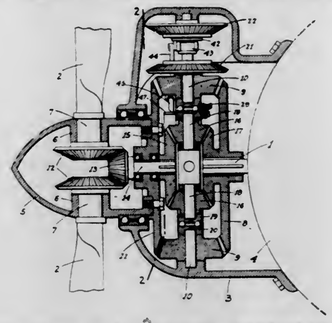
2,382,072

AUTOMATIC PROPELLER PITCH CONTROL DEVICE

Percy Ray Lea, Stockton, Calif.

Application December 22, 1941, Serial No. 423,935
6 Claims. (Cl. 170—135.6)

1. A propeller unit including a relatively fixed housing, a propeller hub turnably supported by the housing, propeller blades turnable in the hub to provide for pitch adjustment thereof, a drive shaft, driving connections between the shaft and hub to rotate the latter, a pitch control mechanism for the blades including a bevel pinion mounted in the housing radially out from the drive shaft and permanent drive connections between the pinion and blades, opposed bevel gears between which the pinion is disposed, a driven shaft mounted in the housing constantly driven by said drive shaft and on which the bevel gears are turnable, separate normally disengaged clutches between the shaft and bevel gears, means included with the clutch of one bevel gear and functioning automatically upon an increase in speed of the driven shaft above a predetermined normal to cause said clutch to be engaged and the one bevel gear to be rotated with the driven shaft while leaving the clutch of the other bevel gear disengaged, means included with the clutch of said other bevel gear and functioning auto-



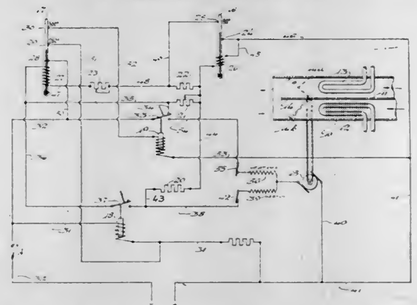
matically upon a decrease in speed of the driven shaft below said normal to cause the last named clutch to be engaged and the other bevel gear to be rotated with the driven shaft while leaving the first named clutch disengaged and a manually rotatable pinion meshing with the first named pinion independently of the bevel gears.

2,382,073

THERMOSTAT CONTROL CIRCUIT

Timothy J. Lehane and Everett H. Burgess, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Application August 9, 1943, Serial No. 497,938
12 Claims. (Cl. 257—3)



10. In a temperature control system, movable mechanism adapted to be adjustably positioned in opposite directions to vary the rate of heat transfer to or from a space, and means including a pair of thermostats for controlling the movements of said mechanism; each thermostat being provided with an auxiliary heater, and electrically energized means controlled by the functioning of each thermostat adapted to make or break electric circuits through the auxiliary heater of the other thermostat.

2,382,074

WRENCH

Arthur C. Leisenring, Denver, Colo.

Application October 4, 1943, Serial No. 504,973
1 Claim. (Cl. 81—179)

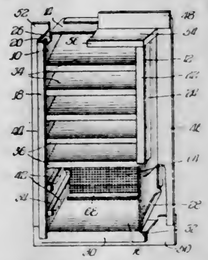
A wrench comprising; a wrench block provided with a rounded nut receiving opening extending

through said block; a rectangular dog pocket opening to said receiving opening and also extending entirely through said block so as to be open at both sides thereof, said pocket having a forward end wall lying in a plane radial to the axis of said nut receiving opening, there being a guide hole extending through the rearward end wall of said pocket to the exterior edge of said block; a square dog slidably mounted in said pocket with one of its sides engageable with said forward end wall and having a rounded corner



portion and a side extending into said nut receiving opening to engage the nut, the width of said dog being equal to the thickness of said block so that its sides will align with the sides of said block; a spring urging the front face of said dog against said end wall of said pocket; and a slidable guide shank inserted from the exterior of said block through said guide hole and through said spring to a threaded conection with the rear face of said dog to prevent the latter from falling through the open sides of said pocket.

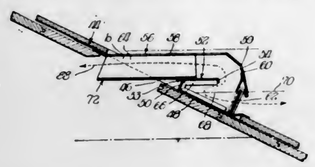
2,382,075
VERTICAL WALL LOUVER
Freeland H. Leslie, Chicago, Ill.
Application October 31, 1941, Serial No. 417,341
3 Claims. (Cl. 189—63)



1. A vertical wall louver comprising right and left vertical wall members connected at top and bottom by a lintel and a sill, the front edge of the vertical wall members being flanged outwardly to form a facing strip and again flanged backwardly to form a supporting flange, a plurality of vanes mounted in parallel relationship between said vertical wall members, each vane sloping forwardly, elongated angulate members each having one side fastened to one of said flanges and the other wall of each angulate member extending outwardly from the louver to act as a flashing, a top flashing member extending across the lintel and mounted on the two upper ends of said elongated angulate members, and a bottom flashing extending beneath the sill and mounted on the lower ends of said elongated angulate members.

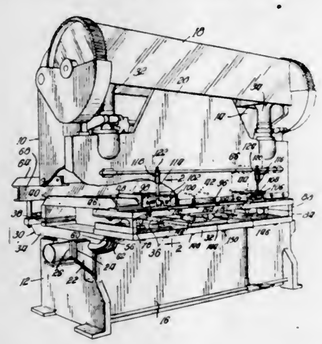
2,382,076
SLANT ROOF LOUVER
Freeland H. Leslie, Chicago, Ill.
Application April 8, 1942, Serial No. 438,064
3 Claims. (Cl. 98—42)

1. A slant roof louver comprising a peripheral flat member disposed substantially in a single plane, an opening constituting an air inlet therein, a baffle wall having a drip edge disposed adjacently one end of said air inlet, over said air inlet and baffle a dormer comprising side, top and front walls, and an air outlet disposed in the lower portion of the dormer front wall, the drip



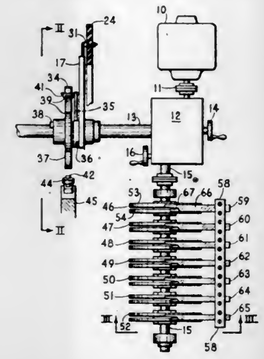
edge of said baffle being less distant from the plane of the peripheral flat member than is the top of the outlet therefrom and being disposed approximately in the plane which passes through the top of the outlet opening and intersects the peripheral flat member at an angle of approximately 25 to 28 degrees.

2,382,077
POWER PRESS BRAKE AND DIE SET
Freeland H. Leslie, Chicago, Ill.
Application August 3, 1942, Serial No. 453,306
19 Claims. (Cl. 164—86)



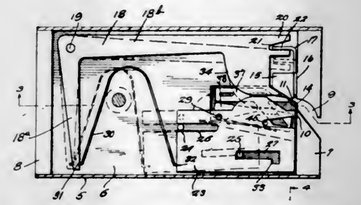
16. For use in a conventional power press brake, a sub-press comprising a die holding means having a width approximating the breadth dimension for the work of the press brake in which the sub-press is to be used and a depth dimension substantially exceeding the depth dimension of the bed of the press brake so that said sub-press die holding means when positioned on the press brake bed will project forwardly and rearwardly thereof, a plurality of arms extending from one side of said sub-press die holding means to predetermined aligned points, punch holding means above the die holding means and of similar dimensions, a plurality of arms extending from one side of the punch holding means so that their ends are adjacent to said predetermined aligned points, whereby one arm attached to the punch holding means and the adjacent arm attached to the die holding means may be considered as a pair of complemental arms, and means joining the free ends of each pair of complemental arms for holding the same in said assembled relationship and for permitting movement of the punch holding means toward the die holding means, said plurality of means being in substantial alignment so that the punch holding means and die holding means may be moved toward and away from each other along an arc.

2,382,078
VARIABLE CYCLE TIMER
Richard H. Long, Oakland, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application January 17, 1944, Serial No. 518,531
9 Claims. (Cl. 200—33)



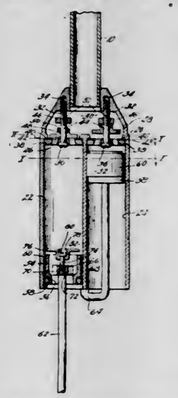
1. A timer for controlling the operation of a plurality of devices cyclically which comprises operating means for each device, a plurality of stationary supports each having a set of contacts thereon in circuit with said operating means, a continuously rotating shaft, an energizing arm for each set of contacts freely supported on said shaft, a plurality of indexing means secured to said shaft, one for each energizing arm, a latch member for selectively connecting each arm to its corresponding indexing means at a predetermined position of the latter, and electromagnetic means for rendering said latch member ineffective at a predetermined position of said arm to stop the latter.

2,382,079
NEEDLE THREADER
John C. Lounsbury, Washington, D. C.
Application June 8, 1944, Serial No. 539,252
7 Claims. (Cl. 223—99)



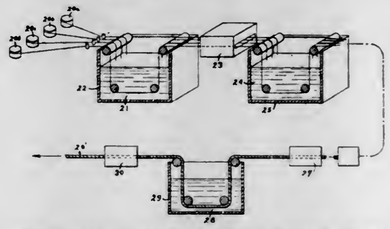
1. A device for threading hand sewing needles comprising a casing, a threading pin mounted to slide transversely in the casing, guide means in the path of the pin and of the needle for receiving a loop of thread, a lever connected to the pin for moving the pin to carry the loop through the eye of the needle, a horizontal actuating plate mounted in the casing for horizontal rectilinear movement, a single spring connected to the lever and to the actuating plate adapted to be compressed when the actuating plate is moved rearwardly and adapted to expand and withdraw the threading pin from the eye of the needle when the actuating plate is moved forwardly, and cooperating members on the actuating plate and the casing for clamping the loop of thread stationary when the clamping plate reaches its forward limit of movement immediately after the pin is withdrawn from the needle after threading the latter.

2,382,080
PUMP
Jesse R. Lowry, Des Moines, Iowa
Application January 6, 1944, Serial No. 517,277
6 Claims. (Cl. 103—183)



1. A double acting pump comprising a unitary cylinder block having a pair of open end cylinders and a chamber formed therein, a piston mounted in each of said cylinders, a well pipe communicating with said chamber, valves and valve seats controlling the flow of fluid from said cylinders to said chamber, a screw extending upwardly through each of said valve seats and threaded into said cylinder block whereby said valve seats and valves are removably mounted in said cylinders, a J-shaped piston rod engaging each of said pistons respectively and extending below said cylinder block and through apertured ears carried by said cylinder block, and driving means at the top of the well operable to successively operate said pistons to force fluid through said well pipe.

2,382,081
METHOD OF TREATING WIRE FOR BELT MANUFACTURE
Enrique L. Luáces and Melvin A. Crosby, Dayton, Ohio, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 8, 1943, Serial No. 478,429
5 Claims. (Cl. 57—164)



1. The method of making a coated steel wire cable adapted to form a firm bond with rubber composition which comprises passing a plurality of wires through an acid surface roughening bath, drying the wires, passing the dried wires through a solution of synthetic resin adapted to

adhere to rubber, cabling the wires, and evaporating the solvent from the coated cabled wires, whereby there is produced a unitary article comprising a plurality of wires formed into a cable and adhesively held to each other by the resin coating thereon.

2,382,082

METHYL SILICON POLYMERS AND METHOD OF PREPARATION

Rob Roy McGregor, Verona, and Earl Leathen Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application July 26, 1943, Serial No. 496,210
10 Claims. (Cl. 252—78)

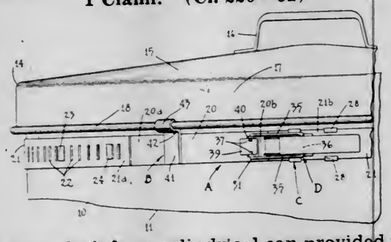
1. In a fluid pressure actuatable device, a hydraulic fluid comprising a liquid polymeric methyl siloxane having an average of approximately 1.9 methyl groups per silicon atom and having a solidification temperature below −80° C., said siloxane consisting essentially of recurring structural units which correspond to the formulae $CH_3SiO_{3/2}$ and $(CH_3)_2SiO$, respectively, said units being joined together by silicon-oxygen linkages.

2,382,083

COVER LOCK FOR CANS

Lillian L. Marohl, St. Paul, Minn.

Application November 18, 1943, Serial No. 510,741
1 Claim. (Cl. 220—61)



A cover-lock for a cylindrical can provided with a cover having a skirt formed with an outwardly projecting bead about its lower edge and adapted to telescope over the upper portion of the can, said cover-lock comprising a can-encircling contractible-expansible hoop adapted when expanded to be axially guided by and along the can into cover locking relation, cover engaging members mounted on said hoop, and means for contracting the hoop to grip the same about the can and shift the cover engaging members radially inward into cover locking relation and for expanding the hoop to shift the cover engaging members radially outward from their cover locking disposition, each of said cover engaging members comprising a shank extending radially outward from the hoop and a hook extending upwardly and inwardly from the shank, said shanks providing upwardly limiting guide-stops for said hoop engageable with the lower edge of said bead, said hooks providing catches engageable over the upper edge of said bead upon the engagement of said shanks with the lower edge of said bead.

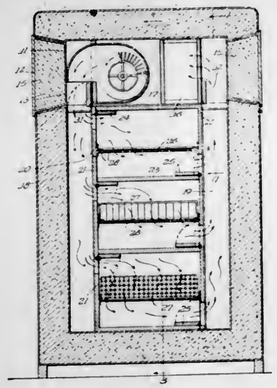
2,382,084

QUICK FREEZING APPARATUS

George W. Mathews, Chicago, Ill.

Application March 20, 1942, Serial No. 435,479
7 Claims. (Cl. 62—102)

1. An apparatus for freezing comestibles comprising a casing including a pair of opposed walls, structure including partitions which extend from one of said walls to the other, said structure dividing the interior of the casing into a chamber and a passage at each of the opposite sides thereof, solid panels extending from partition to partition and dividing said chamber into a plurality of non-communicating compartments, false bottoms having apertures therein and arranged one above each panel, each of said partitions having a set of openings therein, the openings of one set being arranged to place one of said passages in communication with the spaces above said false bottoms and the other set being arranged to place the spaces below said false bottoms in communication with the other of said passages, closures for said openings, means for operating said closures from the exterior of said



casing, to selectively segregate one or more of said compartments from said passages, structure including a blower and a refrigerating unit for circulating air through said passages and said compartments, each of said opposed walls having openings therein arranged to permit comestibles to be put in each of said compartments at one end and withdrawn from the other end, and closures for the last mentioned openings; the combined areas of the openings of all of the false bottoms being so related to the normal output of the blower that sufficient pressure may be built up above the false bottom in each compartment to insure that refrigerated air traversing therethrough will circulate through all portions of the space above the false bottom in such compartment.

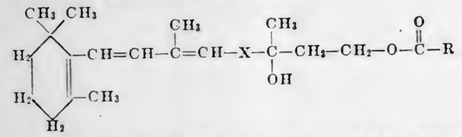
2,382,085

SYNTHESIS OF VITAMIN A

Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 31, 1945, Serial No. 575,549
9 Claims. (Cl. 260—488)

1. A compound of the formula



in which R stands for a member of the group consisting of alkyl and aryl groups and X is a member of the group consisting of acetylene and ethylene groups.

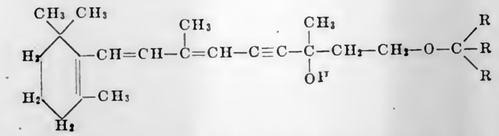
2,382,086

SYNTHESIS OF ETHERS OF VITAMIN A

Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 31, 1945, Serial No. 575,550
11 Claims. (Cl. 260—611)

1. As a new product a compound of the formula



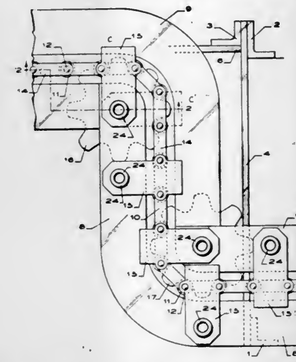
in which R is a member of the group consisting of hydrogen and hydrocarbon groups.

2,382,087

CONVEYER

Godfrey A. Miller, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application November 19, 1943, Serial No. 510,979
7 Claims. (Cl. 198—19)



1. In a conveyer for carrying a series of articles through a treating station, a link chain, a sprocket for the chain with a hole at its center, a rotatable article support carried by the conveyer in a position offset therefrom a distance equal to the radius of the sprocket so that the article support will assume a position concentric with the sprocket while the portion of the chain carrying it passes around the sprocket, rotating means below the sprocket with an upwardly rotating extending shaft, and means for raising the rotating shaft and bringing it through the center hole of the sprocket and into driving connection with the article support while the latter is concentric with the sprocket.

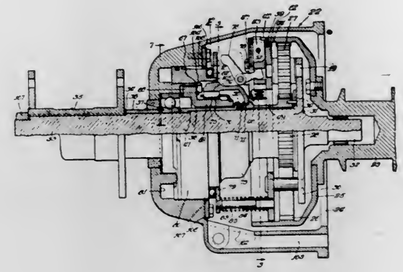
2,382,088

CLUTCH

William E. Moffitt, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original application October 7, 1940, Serial No. 359,987. Divided and this application September 20, 1943, Serial No. 503,057
11 Claims. (Cl. 192—91)

1. A clutch comprising relatively movable positive clutching elements, resilient means biasing said elements to clutching position, and power means for moving said elements out of clutching position, said elements having cooperating clutching surfaces which are normal to the



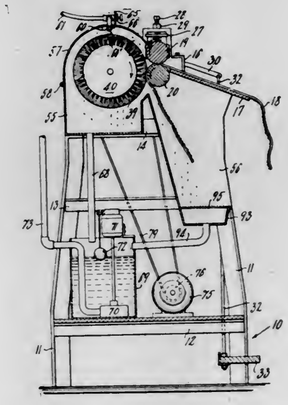
direction of drive, and other cooperating surfaces which are oblique to the direction of drive to eliminate lost motion between the elements when in driving position.

2,382,089

FUR WETTING APPARATUS

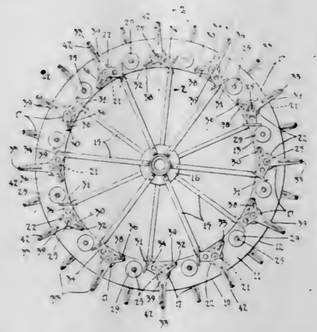
Jacob Morgenstern, Brooklyn, N. Y.

Application May 15, 1943, Serial No. 487,132
6 Claims. (Cl. 69—29)



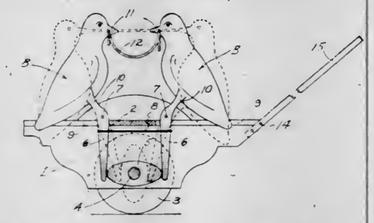
1. Apparatus for uniformly wetting the skin side of a fur pelt comprising a frame; a rotary brush mounted on said frame; a trough mounted on said frame beneath said rotary brush; a hood hingedly secured to said trough above and covering said rotary brush; valve means secured to said hood for supplying water by gravity to said rotary brush at a regulated rate; flexible means for supplying water to said valve means; means for feeding the skin side of the pelt against said rotary brush; and gravity means for discharging excess water from said trough.

2,382,090
TRACTION WHEEL
Nels H. Nelson, Minneapolis, Minn.
Application November 6, 1942, Serial No. 464,765
7 Claims. (Cl. 301—50)



1. In a traction wheel, a plate-like rim having an opening therein, the marginal portion of said rim at said opening being provided with a plurality of symmetrically arranged projections, a lug having a hub, a plurality of ground-engaging members issuing outwardly from said hub and angularly disposed relative to one another and a key acting between said hub and the projections in said rim for holding said lug from rotation and with any of the ground-engaging members in ground-engaging position.

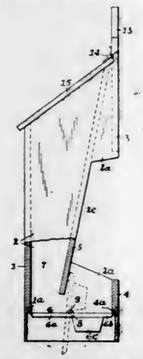
2,382,091
WHEELED FIGURE TOY
Charles S. Olson, Gulfport, Miss.
Application May 23, 1945, Serial No. 595,447
6 Claims. (Cl. 46—107)



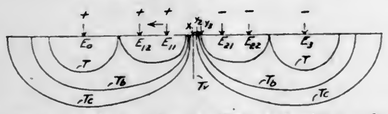
1. A wheeled figure toy comprising a body member, a wheeled supported shaft carried by the body member, a cam member fixed to the shaft, rocker levers carried by the body member and contacting the cam member, a retractile member interposed between and connecting the levers for constantly urging the same into contact with the cam member, outwardly and upwardly inclined levers carried by the upper portions of the first levers, body plates carried by the second levers simultaneously moving toward or away from each other upon rotation of the cam member.

2,382,092
MAILBOX
Abraham Onos, Hawthorne, N. J.
Application February 29, 1944, Serial No. 524,366
3 Claims. (Cl. 232—17)

1. In combination, with a chute-forming structure, a member arranged in obstructing relation to the lower end of the chute and pivoted in said structure on a horizontal axis and pivotally movable out of said relation, said structure having abutments respectively normally opposing rotation of said member around said axis in both directions and said member being shiftable in said structure laterally and clear of one abutment.



2,382,093
METHOD FOR MAKING GEOPHYSICAL SURVEYS
Stephen R. Phelan, Memphis, Tenn.
Application March 7, 1942, Serial No. 433,702
1 Claim. (Cl. 175—182)

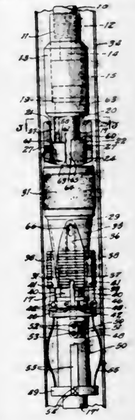


A method of geophysically exploring subsurface earth structures which includes establishing a source of current, and a pair of spaced groups of current introduction centers, each group comprising a plurality of individual centers widely spaced apart, connecting one pole of said source to all the said centers of one said group, and the opposite pole to all the said centers of the other said group to establish current flow; establishing a pick-up station in the area of jointly induced potentials about one said group, and making pick-up readings and recordings from currents induced by said flow, and subsequently successively singly disconnecting the centers of one said group from, and restoring them to connection with, said source to vary the pattern of the potentials induced by said group and making at said station additional readings and recordings during each said disconnection.

2,382,094
HOOK WALL WELL PACKER
John T. Phipps, Huntington Park, Calif., assignor to M. O. Johnston Oil Field Service Corporation, Los Angeles, Calif., a corporation of California
Application January 7, 1942, Serial No. 425,850
7 Claims. (Cl. 166—12)

1. A well packer adapted to be supported upon a string of pipe and to be lowered into a well, said packer comprising a sub, a mandrel extending downwardly therefrom and being supported thereby for limited relative longitudinal movement, a fixed cone on the mandrel, a slip cage slidable upon the mandrel and carrying yieldable means engaging a well casing wall, a bayonet type lock between the slip cage and the mandrel temporarily holding said parts against relative

longitudinal movement, slips articulately connected to the slip cage and interlocking with the tapered face of the slip cone to move longitudinally thereof to and from casing engaging positions, a packer collar fixed to the upper end of the expanding cone, said cone having wall ports through it beneath the collar, a supporting sleeve fixed to said collar and through which the mandrel extends, said supporting sleeve and collar being of a diameter sufficiently larger than the mandrel to provide an annular passageway communicating with said ports, a packer head slidable upon the upper end of said supporting sleeve means holding said supporting sleeve against rotation with relation thereto, said packer head having a central passageway therethrough



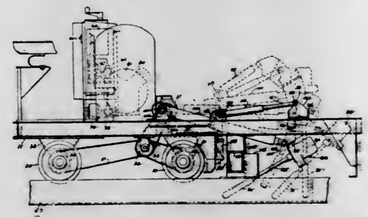
above the supporting sleeve and communicating therewith, a valve seat formed on the upper edge of said packer head and communicating with the passageway, a valve element formed on the lower end of the sub and adapted to form a seal with the seat on the packer head when bearing thereagainst, and cooperating means between the sub and the supporting sleeve whereby said valve elements may be maintained in an open position while the well packer is being lowered into the well and the slips are set and releasably acting thereafter upon rotation of the sub relative to the supporting sleeve to permit the valve seat of the sub to move down onto the valve seat on the packer head and to thereafter impose pressure upon the packer head to expand the packer.

2,382,095
ELECTRICAL CONNECTOR
Chester R. Pieper, Warrenton, Mo.
Application June 9, 1943, Serial No. 490,390
5 Claims. (Cl. 173—273)



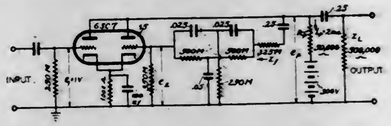
1. A wire connector of the class described, comprising a body member having downwardly directed side flanges that converge to provide an inclined wire channel at one end of the member, and a downwardly directed lip providing a transversely extending wire channel at the opposite end of the member, a jaw element adapted to fit within the body cavity formed by said flanges and lip, said jaw element having inclined, upwardly convergent end surfaces engageable with wires disposed in said channels, a slotted opening extending through the jaw element, a threaded stem depending from the body through said jaw opening and a nut on said stem for urging said jaw upwardly into wedging engagement with wires seated in said channels.

2,382,096
PAVING MACHINE
Charles W. Pierce, La Crescenta, Calif., assignor to Viber Company, a corporation of California
Application February 14, 1944, Serial No. 522,301
10 Claims. (Cl 94—45)



1. In a machine for compacting concrete on a roadway, the combination with a carriage frame of vibrator elevator means comprising a movable support member disposed crosswise of the machine adapted to hold as a gang a plurality of individually actuated elongated vibrator units, main lever means attached at fulcrums to the carriage frame for raising and lowering said support member including complete withdrawal of said units from the concrete space on the roadway, hydraulic jacks for moving said main lever means, and means to turn said support member during operation to position and hold the elongated attached vibrator units in any selected rearwardly downwardly inclined position from the vertical; and a gang of tubular vibratory units held by said movable support member, each vibratory unit having an elongated casing part adapted for partial insertion in the unset concrete on the roadway and each unit having independent actuating means attached to the non-insertible portion of said casing part.

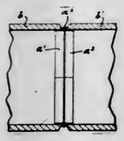
2,382,097
SELECTIVE CONTROL CIRCUIT
Ellison S. Purington, Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 26, 1942, Serial No. 456,285
14 Claims. (Cl. 171—97)



6. A system for the selective control of a device at a desired frequency, comprising a tube upon the input of which there is impressed a band of frequencies including the desired frequency, an electrical network coupled to the output of said tube, said network having the characteristic of discriminating against the passage of energy of

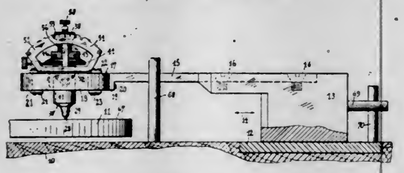
said desired frequency, a rectifier coupled to the output of said network, a second rectifier coupled to the output of said tube, and a control circuit for the device coupled to the rectifier outputs, which are so coupled that they produce opposing effects on the control circuit.

2,382,098
WELDING RING
Charles F. Robie, Alameda, Calif., assignor to Hawkins-Hawkins Co., San Francisco, Calif., a partnership consisting of John H. Hawkins and Landona Hawkins
Application March 31, 1943, Serial No. 481,203
1 Claim. (Cl. 285—111)



An article of manufacture comprising a welding ring for aligning and coupling adjacent pipe ends, said welding ring comprising a split ring member slightly convex in cross section and a circumferential central fold in the form of a continuous bead formed as a part of said split ring by endwise stamping pressure, thereby setting up strains in said bead and said split ring whereby the ends of said welding ring expand outwardly when said strains are relieved by heating during the operation of welding said welding ring to adjacent pipe ends.

2,382,099
DIAMOND POLISHING AND GRINDING DEVICE
Eugene Rothauser, New York, N. Y.
Application May 1, 1942, Serial No. 441,259
4 Claims. (Cl. 51—229)

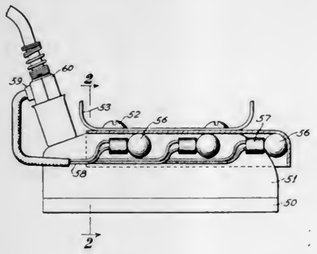


1. In a gem grinding and polishing device, having a rotatable lap, an arm with means at its end to hold the gem to be ground and polished, said end projecting over said lap, said end of the arm being in the form of a relatively stationary ring and another concentric ring rotatably set into said stationary ring, three concentric tubes at the center of said rings telescopically set into one another, and normally perpendicular to the plane of said rings, two transverse shafts secured on and oppositely projecting from the outermost of said tubes, the outer ends of said shafts being journalled in said inner ring so that said tube may be set to a desired inclination to the plane of said ring, but will rotate with said inner ring, the intermediate tube being rotatable within said outer tube but being prevented from an axial moving with relation thereto, and the innermost tube being axially movable within said intermediate tube, means between the intermediate and innermost tubes whereby the rotation of one will cause the other one to rotate therewith, means to rotate said intermediate tube, means to axially move and thereby lower or raise, said innermost tube, said gem being secured in the lower end of said innermost tube.

2,382,100
HYDROCARBON CONVERSION PROCESS
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Application November 27, 1944, Serial No. 565,422
20 Claims. (Cl. 260—683.4)

1. The hydrocarbon conversion process including subjecting a charge comprising an isoparaffin to catalytic dehydrogenation, separating the resulting reaction mixture into a first fraction comprising hydrocarbons of the same number of carbon atoms as the isoparaffin charge and a second fraction comprising hydrogen and hydrocarbons of a lesser number of carbon atoms than the isoparaffin charge, contacting said second fraction with a mixture of aluminum halide and metallic aluminum to form alkyl aluminum halides and adding catalytic amounts of said alkyl aluminum halides to said first fraction to accelerate the alkylation of unconverted isoparaffin charge by the olefines therein.

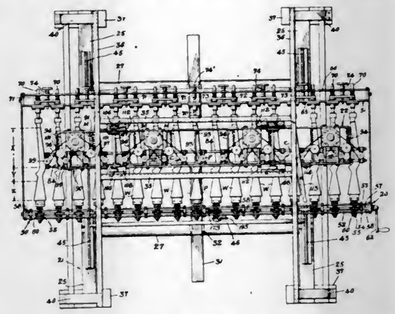
2,382,101
ELECTRIC IRON
Thomas F. Saffady, Detroit, Mich.
Original application December 6, 1943, Serial No. 513,050. Divided and this application August 17, 1944, Serial No. 549,900
1 Claim (Cl. 240—2)



An electric iron having a cover, and a top plate secured thereto, the cover being of less projected area at the top than at the bottom, and the plate having depending flanges, whose edges are spaced transversely from the cover, and electric lights within the space between the plate flanges and the cover for illuminating the area around the iron through the space between the flange edges and the cover.

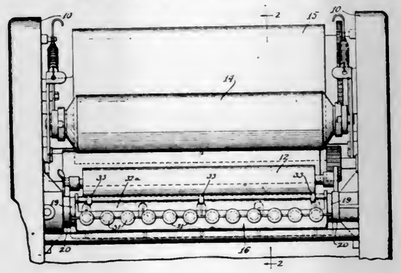
2,382,102
GUNSTOCK FORMING MACHINE
David B. Salstrom and David N. Salstrom, Chicago, Ill., assignors to Salstrom Carving Machine Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1943, Serial No. 477,122
18 Claims. (Cl. 142—13)

16. The combination with a reciprocable work support, of means on the work support for rotating a workpiece, power actuated means for effecting reciprocation of the support, control means for said power actuated means including a speed control element, and mechanism operated in timed relation with said work rotating means and including a device for actuating said



speed control element to regulate the rate of reciprocation of the support.

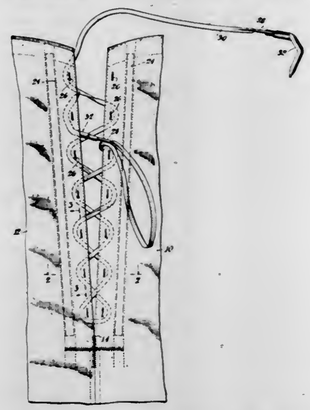
2,382,103
INK FOUNTAIN AND LINER THEREFOR
Robert C. Sandman, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 4, 1942, Serial No. 437,717
10 Claims. (Cl. 101—365)



1. As a new article of manufacture, a liner for an ink fountain consisting of a sheet of material formed to provide a bottom wall and upstanding portions at opposite ends of said bottom wall affording end walls, said material having a grain therein, the end walls at opposite ends of said bottom wall being disposed in substantially parallel relation to the grain of the material to thereby enhance the wear resistance of the liner.

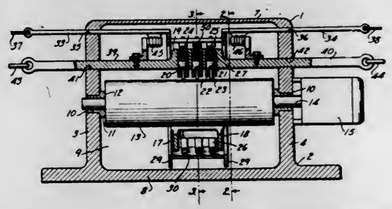
2,382,104
LACING CONSTRUCTION FOR GARMENTS
Moe Sarachek, Allentown, Pa., assignor to Charis Corporation, a corporation of New York
Application July 17, 1943, Serial No. 495,392
1 Claim. (Cl. 2—39)

In a garment having edge portions to be laced together, double layers of fabric along such edges connected together longitudinally at a point spaced from the border edges leaving open border edges, stitching extending through the fabric layers and closely bunched at spaced intervals, the bunches being inwardly offset from the border edges a substantial distance therefrom, and a lacing running between the layers of fabric and back and forth around the bunched stitching from one side to the other, said inward spacing of said bunches of stitching causing the edge portions of the garment when drawn together to substantially meet throughout their length with the lacing held between them and substantially concealed, said lacing having a straight tip and a curved tip adapted to fit over the straight tip



and to be held in place by frictional engagement to expedite the introduction of the lacing between the spaced bunches of stitching.

2,382,105
ROTO-THRUST CONVERTER
Emmett F. Sarver, Wichita, Kans., assignor of one-half to O. W. Wortman, Wichita, Kans.
Application April 15, 1943, Serial No. 483,135
9 Claims. (Cl. 74—25)

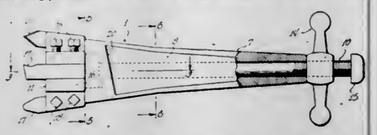


1. An apparatus of the character described including, a drum, means mounting the drum for rotation on the axis thereof, a wheel carrier, means mounting the wheel carrier for movement longitudinally of the axis of the drum, a wheel in rotational contact with the drum, means mounting the wheel for turning movement in the wheel carrier to adjust the rotational axis of said wheel angularly of the axis of the drum to cause advance of the wheel carrier along the drum when the drum is actuated, a control member, means connecting the control member with said wheel mounting means to selectively turn said wheel, and secondary means for turning said wheel including an electro magnetic means having connection with the wheel carrier.

2,382,106
MULTIPLE BIT TOOLHOLDER
Karl P. Schoeppner, Milwaukee, Wis.
Application December 7, 1942, Serial No. 468,090
2 Claims. (Cl. 29—48)

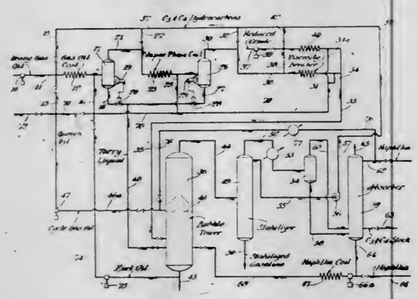
1. In a multiple bit tool holder, the combination comprising a body portion adapted for mounting upon a tool post said body portion being provided with parallel upper and lower flat faces terminating in transverse oblique positioning ledges, said body being provided with a longitudinal bore terminating in a polygonal socket at

one end of said body, an adjustable bit mounting having a shank disposed within said bore and having a polygonal boss of shape and size complementary to said socket receivable therein for locating said mounting in a plurality of predetermined angularly spaced positions with respect to said body, a nut on said shank for locking said mounting, and bit securing means forming a part



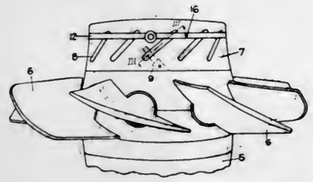
of said adjustable bit mounting adapted to secure bits thereto to form therewith a rigidly associated assembly of bits and bit mounting capable of adjustable movement with respect to said body portion without relative movement between said bits and said bit mounting said bit securing means being disposed so as to hold bits in positions corresponding to the positions of adjustment of said bit mounting with respect to said body.

2,382,107
POLYFORM CONVERSION OF HYDROCARBONS
August Henry Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,286
3 Claims. (Cl. 196—9)



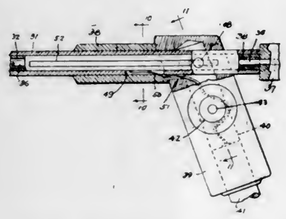
3. In the cracking of a gas oil to obtain a gasoline of high octane rating, the process which comprises passing the gas oil in admixture with normally gaseous C_3 and C_4 hydrocarbons through a plurality of conversion zones maintained under superatmospheric pressure and at successively higher temperatures substantially higher than those which could be employed without undesirable coke formation in the absence of the gaseous hydrocarbons, mixing the conversion products from each conversion zone with a quench oil in a separating zone in quantity sufficient to separate out only the heavy tar-forming constituents as a liquid phase, introducing into the vapors remaining after each separation an additional quantity of C_3 and C_4 hydrocarbons and passing the resulting mixture into the next succeeding conversion zone, admixing the vapors from the final separating zone with a reduced crude and with additional C_3 and C_4 hydrocarbons and passing the mixture through a final conversion zone at a superatmospheric pressure and at a temperature lower than those employed in the previous conversion zones to effect further conversion of the vapors into gasoline, passing the products from the final conversion zone into a fractionating zone, recovering from the fractionating zone an overhead fraction containing gasoline and C_3 and C_4 hydrocarbons, separating the C_3 and C_4 hydrocarbons from said overhead fracton, and recycling them to be admixed with the hydrocarbon charges entering the successive conversion zones.

2,382,108
AUTOMATIC SPEED LIMITING DEVICE FOR HYDRAULIC TURBINE ROTORS
Paul Werner Seewer, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application November 21, 1944, Serial No. 564,532
In Great Britain August 23, 1943
1 Claim. (Cl. 253—143)



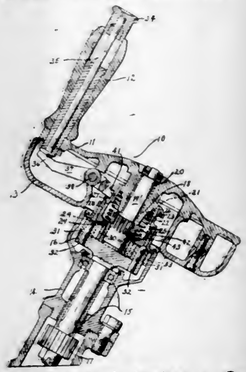
A hydraulic turbine, a rotor therein, driving blades on said rotor, a ring of speed-limiting vanes on said rotor mounted for centrifugal movement outwards into the water stream and a frangible retaining belt device enveloping said vanes.

2,382,109
DIAGNOSTIC AND ELECTROSURGICAL APPLIANCE
Arthur L. Sheiffele, Chicago, Ill., assignor to William J. Cameron, Chicago, Ill.
Application August 6, 1943, Serial No. 497,639
3 Claims. (Cl. 128—4)



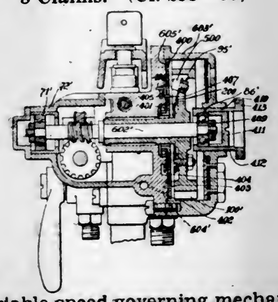
3. A surgical appliance comprising a cylindrical body normally open at its ends; a tubular guideway in said body; a bowed hollow conductor of flexible material; a tubular conductor anchored at one end to said bowed conductor; insulation enveloping said conductors for effecting a unit removably inserted in said guideway to project the flexible conductor out of the distal end of said body; means venting said unit adjacent said flexible bowed conductor; an electrode at the outer end of said bowed conductor; a rod in said conductors, there being a passageway between said rod and said tubular conductor, said rod adapted for movement into said bowed conductor to effect a radial movement of said electrode towards the axis of said unit; means for evacuating said passageway through the proximal portion of said unit; and means removably inserted in said body for providing illumination adjacent the distal end thereof.

2,382,110
TURRET CONTROL
Laurence S. Sheldrick, Dearborn, and Eugene J. Farkas and Emory Nador, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 11, 1943, Serial No. 498,152
3 Claims. (Cl. 74—280)



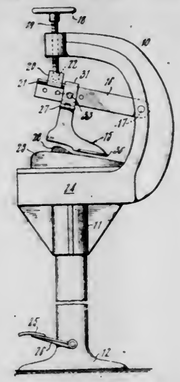
1. In a speed control device, a fixed housing, a member rotatably mounted on said housing and axially fixed with respect thereto, a handle eccentrically mounted on said member, a shaft centrally located with respect to said member and rotatably mounted in said housing, a planetary gear spider fixed to rotate with said shaft, a fixed ring gear on said housing and a sun gear rotatably mounted on said shaft meshing with planet gears carried by said spider, clutch means associated with said member and with said sun gear and said shaft and selectively operable to interengage said member and said shaft or said member and said sun gear to provide various gear ratios effective between said member and said shaft to vary the relative speeds thereof, said selectively operable clutch means including an axially slidable sleeve supported by said fixed housing.

2,382,111
METAL SPRAY GUN OF THE WIRE FEED TYPE
Arthur P. Shepard, Flushing, and Herbert S. Ingham, Queens Village, N. Y., assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y., a corporation of New Jersey
Original application December 1, 1941, Serial No. 421,196. Divided and this application July 15, 1943, Serial No. 494,810
8 Claims. (Cl. 253—59)



1. A variable speed governing mechanism for a metal spray gun construction of the wire feed type, having a compressed gas motor, comprising first means rotatable with the rotor of said motor and centrifugally movable with respect to their axis of rotation, against spring resistance, from a predetermined initial position with respect to said axis, second means, composed of at least one first and one second element, said first element being positioned and adapted to be operatively acted upon by said first means upon centrifugal actuation thereof, to cooperate, by mechanical movement and frictional contact with said second element to thereby actuate said second element to restrict the compressed gas supply to the rotor of said motor, and means for variably adjusting the relative position between said second element and the initial position of said first element within a range of mechanical movement of said first element defined by the centrifugal movement of said first means between minimum and maximum operating speeds of said rotor.

2,382,112
SOLE COMPRESSOR FOR SHOES
Charles J. Simonetti, Brooklyn, N. Y.
Application March 30, 1942, Serial No. 436,778
1 Claim. (Cl. 12—124)

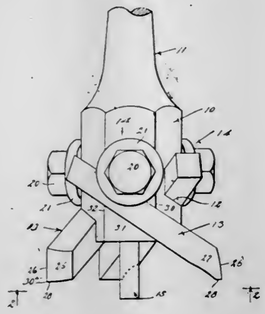


A shoe jack comprising a body portion having a sole shaped portion and a heel portion, a member adjustably extensible from said sole portion for increasing the shoe size of the jack, said member containing a longitudinal rib, a plate secured longitudinally of said rib, said plate and rib being fitted into a corresponding T-shaped channel in said body portion and said plate supporting said member on said body portion, means for securing said plate and said member to said body portion in their adjusted position, said heel portion having a pair of longitudinally extending recesses therein, and a heel member selectively connectible to said heel portion for increasing the shoe size of the jack, said heel member having a pair of pins engageable in said recesses.

2,382,113
CUTTER
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application August 11, 1943, Serial No. 498,213
3 Claims. (Cl. 77—69)

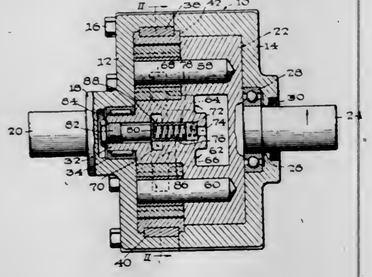
1. In a rotary cutting tool of the character described, a central body having a shank at one end and angularly disposed cutter carrying channels in its sides pitched to extend toward its other end and rearward of the direction of rotation of the tool, elongate cutters with inner and outer sides and each having a cutting edge at its outer end

faced to cut substantially laterally of its length in the direction in which the outer side faces, the cutters being carried in the channels with their inner sides bearing on the bottoms of the channels and their outer end portions projecting be-



yond said other end of the body and rearwardly of the direction of rotation of the tool whereby as the body rotates forces set up by working of the cutting edges tend to seat the cutters in the channels, and means retaining the cutters in the channels.

2,382,114
HYDRAULIC COUPLING
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application December 14, 1942, Serial No. 469,015
9 Claims. (Cl. 192—61)

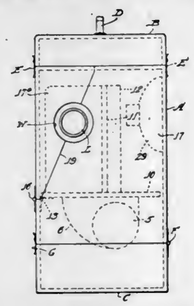


1. A hydraulic coupling of the character described, comprising a sealed housing adapted to rotate with a shaft, a closely fitted rotor disposed within said housing and adapted to rotate with another shaft, a ring gear secured within the said housing, pinion gears rotatably supported by said rotor at circumferentially spaced positions and arranged to mesh with said ring gear so as to produce a gear pump action as the rotor turns with respect to the housing, said rotor being formed to provide fluid suction and delivery passages respectively leading to and from each pump pinion gear, and pressure sensitive valve means carried by the rotor and arranged between the delivery passages and the suction passages, said valve being constructed to unaidedly reduce the flow therethrough as the relative pressure difference between said passages increases, said valve means being directly formed to permit restricted flow of the pressure fluid at idling or slow relative housing and rotor speeds.

2,382,115
LUBRICANT
Joseph B. Stucker, Wilmington, Del., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application July 16, 1942, Serial No. 451,217
9 Claims. (Cl. 252—48)

1. A lubricant comprising a major portion of mineral lubricating oil, a minor portion of a substance selected from group (1) consisting of phosphorized and sulfurized-phosphorized fatty material and an organic substance in an amount between 2 and 5% by weight but less than the amount of group (1) substance selected from group (2) consisting of aryl, aralkyl, aryl-alkyl, aralkyl-aryl, aralkyl-alkyl and dialkyl polysulfides, excluding dialkyl polysulfides having less than 6 carbon atoms in the combined alkyl radicals, said substances from groups (1) and (2) being present in sufficient amounts to materially improve the load carrying ability of the mineral lubricating oil.

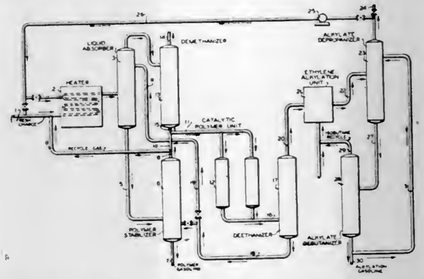
2,382,116
MOUNTING FOR MOTION PICTURE AND SOUND PROJECTORS
Alexander Ferdinand Victor, New York, N. Y.
Application December 24, 1943, Serial No. 515,568
3 Claims. (Cl. 88—16.2)



1. In an amateur sound motion picture projector, a readily portable carrying case therefor comprising an elongate base plate; an upright standard extending longitudinally on said base plate, said standard supporting motion picture projecting devices on its front and rear sides; said base plate, standard and devices constituting a unitary assembly; upright walls providing an open-front hollow housing enclosing said assembly, said base plate constituting the bottom of said housing; hollow top and bottom members on said housing; a movable closure for the open front of said housing adapted to be opened to afford uninterrupted access to the front side of said standard; and hinge means connecting said base plate to the lower front portion of said housing for swinging movement in an outward direction through the open front thereof for effecting ready access to the devices on the rear side of said standard.

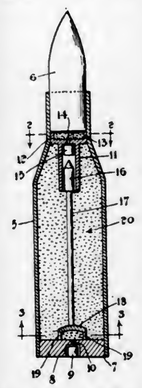
2,382,117
MANUFACTURE OF MOTOR FUEL
Halsted Rogers Warrick, Teaneck, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 22, 1943, Serial No. 515,215
6 Claims. (Cl. 260—683.4)

1. A continuous process for manufacturing motor fuel hydrocarbons from normally gaseous saturated hydrocarbons which comprises subjecting the saturated hydrocarbons to conversion to produce a synthetic hydrocarbon mixture containing ethylene, higher molecular weight olefins and some normally gaseous saturated hydrocarbons, passing a stream of said mixture through a reaction zone wherein higher molecular weight olefins than ethylene are substantially entirely converted to polymer gasoline, removng the polymer gasoline hydrocarbons thereby leaving a residual ethylene fraction containing some normally gaseous saturated hydrocarbons and from about 1 to 5% of higher molecular weight olefins by weight of the ethylene, passing a stream of said residual ethylene fraction through an alkylation



reaction zone containing a fluid alkylation catalyst comprising aluminum halide-hydrocarbon complex maintained under alkylating conditions at a temperature in the range of 100 to 130° F., passing isobutane to said alkylation reaction zone in the proportion of from 3 to 5 parts isobutane to about 1 part ethylene, effecting reaction between isobutane and ethylene in said alkylation zone in the presence of a small amount of hydrogen halide to form saturated hydrocarbons of high antiknock value, withdrawing the resulting alkylated hydrocarbons and unreacted normally gaseous saturated hydrocarbons, and returning said normally gaseous saturated hydrocarbons to the thermal conversion reaction.

2,382,118
ANTITANK AMMUNITION
Jan V. Weinberger, Truro, Nova Scotia, Canada
Application October 9, 1944, Srial No. 557,746
In Canada January 26, 1944
1 Claim. (Cl. 102—38)



A shell comprising a casing containing a projectile-propelling explosive charge, a projectile fitted in and closing an opening at one end of the shell, a detonator carried by the end of the shell remote from said projectile and adapted to be detonated in the usual manner to effect ignition of the charge at a point within the casing adjacent said detonator, a firing-pin guide sleeve arranged in said casing adjacent the inner end of the projectile, a second detonator arranged within said guide sleeve, a movable firing pin having one end fitted in said sleeve and provided, at the opposite end, with a plate having projections normally engaging the end wall of the casing which carries the first mentioned detonator, the arrangement being such that the pressure created by detonation of the firstmentioned detonator acts against said plate and causes the firing pin to be thrown against the second detonator which is thereby detonated to effect a second ignition of the explosion charge at a point within the casing adjacent the inner end of the projectile.

2,382,119
PROCESS FOR EXTRACTION OF HYDROCARBONS
Charles E. Welling, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application September 5, 1942, Serial No. 457,473
3 Claims. (Cl. 260—681.5)

1. A process of concentrating a conjugated diolefin of from four to seven carbon atoms per molecule from a hydrocarbon mixture consisting of said diolefin and a close-boiling olefin of the same number of carbon atoms per molecule which comprises diluting said mixture with a high-boiling paraffinic oil free from double bonds and having an initial boiling point of at least 175° C. and an average molecular weight of at least 200, extracting the resulting diluted mixture with a selective solvent which is preferential for said diolefin, which solvent is inert towards the components of said diluted mixture, is substantially a non-solvent for said oil, is a water-soluble organic compound containing only carbon, hydrogen and oxygen, boils between 20 and 65° C., and forms with said olefin an azeotrope boiling sufficiently below the azeotrope which it forms with said diolefin to be readily separable therefrom by distillation, conducting said extraction with all components in the liquid phase and at a temperature which is below the critical solution temperature of the resulting mixture but above the temperature at which the same relative proportions of said hydrocarbon mixture and said solvent would be miscible in the absence of said high-boiling oil, thereby enriching said solvent with said diolefin, separating the extract phase, subjecting said separated extract phase to azeotropic fractional distillation employing the solvent contained therein as azeotropic entraining agent, and thereby effecting separation of the olefin content of the extract from the diolefin content thereof, said solvent being used in said extracting step in amount at least sufficient to form an azeotrope with all of the olefin content of said extract.

2,382,120
ELECTRIC CABLE SYSTEM
Francis J. White, Brooklyn, N. Y., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application November 25, 1942, Serial No. 466,880
1 Claim. (Cl. 174—14)

An electric cable system comprising in combination a pipe line, a conductor insulated with fluid

pervious material loosely enclosed in said pipe line, an insulating fluid under superatmospheric pressure within the pipe line in which the insulated conductor is submerged, a tube within the pipe line extending the length thereof and submerged in said insulating fluid and containing a



fire extinguishing fluid; said fire extinguishing fluid being under sufficiently high pressure to effect rupture of the tube and escape of the fire extinguishing fluid therefrom into the surrounding insulating fluid upon the rupture of said pipe line and resultant drop in the pressure of the insulating fluid.

2,382,121

LUBRICANT AND METHOD OF PREPARING SAME

William A. Whittier, Glenview, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 17, 1942, Serial No. 462,408
11 Claims. (Cl. 252—48)

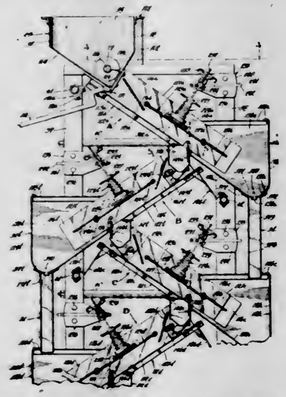
1. The method of preparing a lubricant which comprises reacting sulfur and a fatty body under pressure at a temperature of 320–400° F. in a maintained atmosphere of hydrogen sulfide substantially free of oxygen and in such amounts as to incorporate from 5 to 7% by weight of sulfur in the fatty body, until the reaction product is non-corrosive as determined by the copper strip test and then phosphorizing the reaction product at a temperature of approximately 220–230° F. until the final product is non-corrosive as determined by the copper strip test.

2,382,122

APPARATUS FOR THE ELECTROSTATIC SEPARATION OF MATERIAL PARTICLES

Edwin L. Wiegand, Pittsburgh, Pa., assignor to Orefraction Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 21, 1941, Serial No. 403,267
16 Claims. (Cl. 209—127)



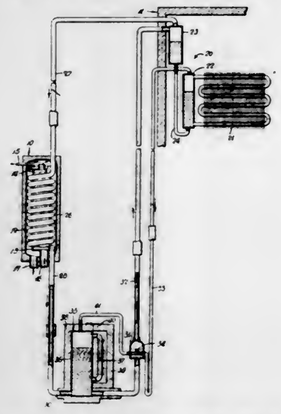
5. Apparatus for electrostatic separation of material particles, comprising: means for causing a stream of particles to descend by gravity successively through a plurality of electrostatic treating zones wherein susceptible particles are removed and segregated from said stream; means for feeding particles to the first of said treating zones at a selected rate; and automatic valve means, interposed between successive treating zones, constructed and arranged automatically to adjust the thickness of the stream of particles fed to the succeeding treating zone dependent upon said selected rate and the rate of removal of susceptible particles from the preceding zone.

2,382,123

REFRIGERATION

Philip P. Anderson, Jr., Evansville, Ind., assignor to Servel, Inc., New York N. Y., a corporation of Delaware

Application July 19, 1941, Serial No. 403,152
17 Claims. (Cl. 62—125)



1. A cooling system comprising an evaporator, a condenser disposed below said evaporator for effecting vaporization of volatile liquid refrigerant in said evaporator and condensation of the vaporized liquid in said condenser, means for lifting the condensate into said evaporator by application of vapor from said evaporator constituting a first source of lifting vapor, and means arranged to receive condensate flowing from the condenser by gravity and constituting a second source for supplying vapor to the lifting means to lift condensate into said evaporator when the vapor from said first source is diminished.

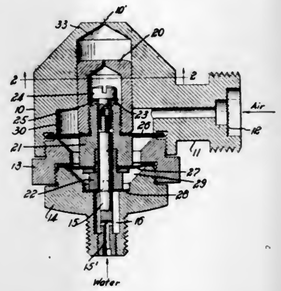
2,382,124

ATOMIZER

Agnew H. Bahnson, Jr., Winston-Salem, N. C.

Application June 10, 1942, Serial No. 446,506
8 Claims. (Cl. 299—140)

1. In an atomizer for liquids comprising body means providing a chamber having an inlet for gaseous fluid, an inlet for liquid, and a common outlet for gaseous fluid and liquid, a fixed member mounted in said chamber, a relatively stationary valve element adjustable with respect to said fixed member, a hollow movable member telescoped over said fixed member and carrying a complementary valve element, a flexible member connecting said movable member and said body means to define a passage from said liquid inlet to said complementary valve elements, and a further flexible member connecting said movable member and said body means to define a passage from said gaseous fluid inlet to said common outlet, whereby the relative position of said comple-



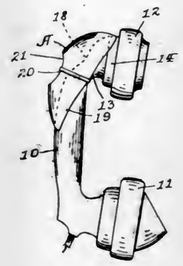
mentary valve elements depends upon the pressures exerted upon said flexible diaphragms by the fluids within the respective passages.

2,382,125

TELEPHONE SUPPORT

Almon J. Balkins, Alhambra, Calif.

Application May 24, 1943, Serial No. 488,137
1 Claim. (Cl. 179—157)



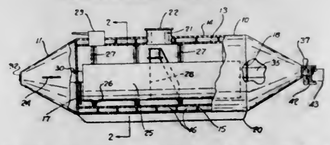
A support for a hand set telephone having a hand piece for holding a transmitter and receiver, formed with a goose neck adjacent to the receiver and a transverse valley in the back of the goose neck, said support, comprising, a longitudinal convex pillar block adapted to be mounted on the back of said goose neck having a longitudinal concave channel conforming with the contour of the goose neck and forming a pair of skirts tapering downwardly over the sides of the goose neck and a longitudinal shoulder extending from the floor between the ends of the channel and engaging the goose neck in said transverse valley to assist in holding the support longitudinally on the goose neck, said pillar block being comparatively wide at its forward end to embrace the receiver portion of the hand piece and tapering rearwardly to gradually meet the surface of the body portion of the hand piece, the back of said pillar block having a transverse channel between its ends substantially conforming with the scapula portion of the shoulder of the user whereby the hand telephone set may be retained by the downward pressure of the head of the user between the ear and shoulder and with the transmitter in position for use, and resilient means embracing the pillar block in said transverse channel and the hand piece of the telephone set in the crutch of the goose neck for normally retaining the pillar block engaged on the hand piece.

2,382,126

LIFEBOAT

Wellington Roy Bitton, North Vancouver, British Columbia, Canada

Application June 29, 1944, Serial No. 542,715
In Canada October 22, 1943
3 Claims. (Cl. 9—4)



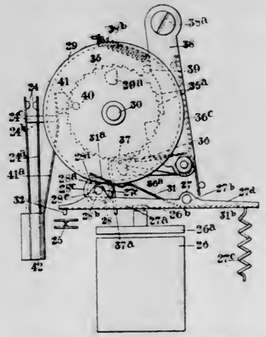
1. A boat of the character described, comprising a cylindrical hull having conical forward and aft ends, a plurality of air chambers formed around the interior of the hull, a keel on the bottom of the hull, a cradle mounted on the lower part of the hull extending longitudinally thereof and pivotally mounted in position, a tube extending through the forward end of the hull adapted to contain a torpedo tube, a tube extending through the aft end of the hull, a rotatable tube extending through the said last mentioned tube, a propeller thereon, driving means connected to the said rotatable tube, a steering shaft extending through the rotatable tube and steering mechanism connected therewith.

2,382,127

TELEGRAPHIC TRANSMISSION APPARATUS

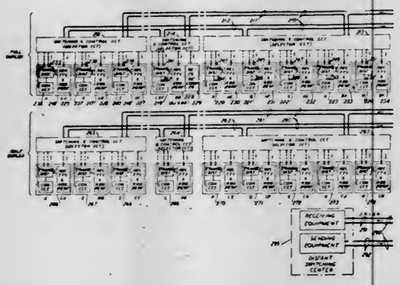
Harry Edgar Brain, London W. C. 1, England, assignor to The Automatic Telegraph and Radio Transceiver Company Limited, London, England

Application September 11, 1942, Serial No. 457,989
In Great Britain December 30, 1941
2 Claims. (Cl. 200—92)



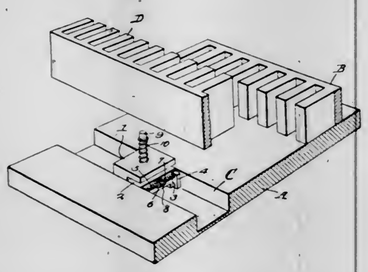
1. An electro-mechanical switch comprising circuit controlling contacts movable into closed position, a motor driven friction disc, a cam having a cylindrical portion for frictional driving engagement with said friction disc and a recess therein, a lever movable to a position to close said contacts and rotatably supporting said cam, means to operate said lever in one direction to close said contacts, the cylindrical portion of said cam being positioned to operatively engage the friction disc upon movement of said lever and acting to hold said lever in contact closing position throughout the period of rotation of said cam by frictional engagement with said disc, and means operative, when said cam is rotated through an angle sufficient to present said recess to said friction disc, to operate the lever in the opposite direction whereby the contacts may open.

2,382,128
TELEGRAPH SWITCHING SYSTEM
David E. Branson, River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N Y., a corporation of New York
Application December 7, 1943, Serial No. 513,246
9 Claims. (Cl. 178—4)



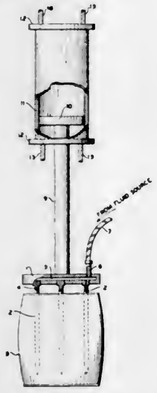
1. In a telegraph system, a switching station, means at said station for selectively directing messages to telegraph lines in accordance with address signals preceding each message, a plurality of receiving printers, a telegraph channel individual to each of said printers extending from said switching station, apparatus including said switching apparatus for selecting any of said channels to individual printers which are idle in response to a common address code and apparatus adjacent each of said printers for conditioning said switching equipment to prevent the selection of the respective printer.

2,382,129
ATTACHMENT FOR PAPER-CUTTING MACHINES
John R. Brougher, Calvert, Tex.
Application August 30, 1944, Serial No. 551,872
1 Claim. (Cl. 164—94)



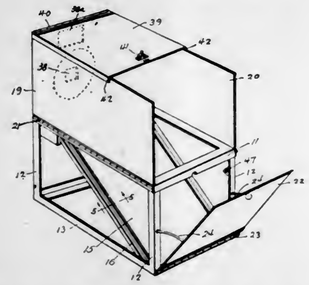
The combination with the bed and movable paper clamps of a paper cutting machine, there being a cutter-stick groove in the bed beneath the clamp, of an attachment removably seated in the groove and including a block having a slot for the reception of material to be cut, jaws movably mounted at the sides of the block and within the groove, means carried by the block for adjustably connecting the jaws to the block, said jaws being mounted for movement away from each other to frictionally engage the walls of the groove, and a yieldingly supported paper cutting element carried by the block and positioned for actuation by the clamp.

2,382,130
TREATMENT OF NITROCELLULOSE
Robert W. Cairns, Wilmington, Del., and Raphael L. Stern, South River, N. J., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 19, 1943, Serial No 487,662
13 Claims. (Cl. 260—223)



1. The method of conditioning and preserving fibrous nitrated cellulose safely without substantial deterioration which comprises wetting the fibrous material with water containing in solution between about 7% and about 45% by weight of the solution of a lower aliphatic alcohol and storing the material wet with the said solution.

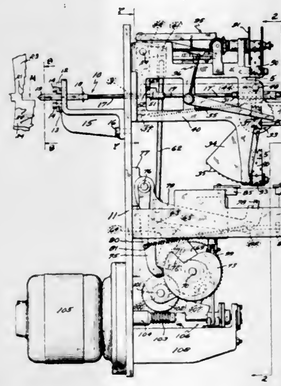
2,382,131
FOOT VISUALIZER
Alexander S. Cameron, Chicago, Ill., assignor to William J. Cameron, Chicago, Ill.
Application August 13, 1943, Serial No. 498,495
3 Claims. (Cl. 88—74)



3. A foot visualizer comprising top and bottom open frames; upstanding posts vertically spacing said frames to provide an open box-shaped support; a translucent plate closing the upper frame and affording a foot support for a person standing thereon; an electric lamp at an edge of said translucent plate for producing luminescent representations of the soles of the feet; vertical walls closing the rear and sides of said box-shaped support, said walls having swinging connections between their upper edges and the rear and sides of said top frame whereby said walls may be moved from their normal closure positions to vertical positions extending above the translucent plate; a slitted diaphragm closing an opening in the rear wall; a secondary wall hinged to the normally lower edge of said rear wall, and adapted to be

disposed upon the side walls when the latter are moved to their upstanding positions above the translucent plate for providing a closure; a mirror within said support beneath said translucent plate for reflecting through the front support the images received from said translucent plate; and an oblique mirror outside said support adapted to reflect in an upward direction the images reflected out of the support by the first mirror, said oblique outside mirror being hinged at its lower edge to said bottom frame for swinging movement towards said support to close the front end thereof.

2,382,132
PLAY ELIMINATIVE RECORDING MECHANISM
Oswald S. Carliss, Fairfield, Conn., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application February 2, 1942, Serial No. 429,290
2 Claims. (Cl 234—5.4)

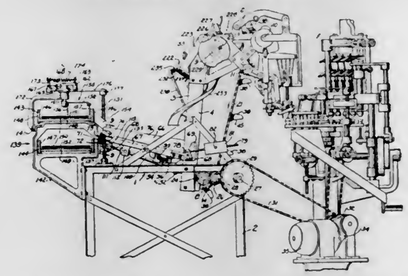


1. In recording apparatus, the combination of, an apparatus support frame, a type carrying segment pivotally mounted on said frame for swinging movement, a guideway on said frame, an elongated feeler element slidable lengthwise in said guideway, stops variably stationed to be sensed by said feeler element, gearing operatively associating said segment with said element for transmitting motion therebetween, and resilient means operatively connected to said segment in a manner to urge said segment to advance said element by means of said gearing into contact with one of said stops.

2,382,133
MANUFACTURE OF TRINITROTOLUENE
Francis Stapleton Chambers, Jr., Woodbury, N. J., and Clifford Akeley Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 27, 1943, Serial No. 480,836
3 Claims. (Cl. 260—645)

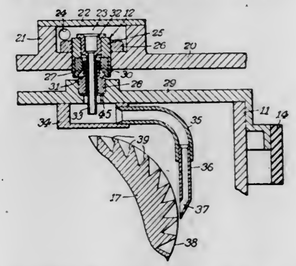
3. In the manufacture of trinitrotoluene and the preparation of a crystallized, substantially acid-free product: the steps of separating the molten trinitrotoluene from the bulk of the spent acid treating the acid-retaining molten material taken directly from the separation step with water, cooling the mixture below the solidification point of the crude trinitrotoluene, separating the crystals from the acid water, washing said separated crystals with sufficient water to remove the greater part of the acidity therefrom, and discarding aqueous liquid at a temperature substantially below said solidification point and only at such temperature.

2,382,134
APPARATUS FOR DECLUSTERING FRUIT
Burton C. Coons, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application November 1, 1940, Serial No. 363,814
31 Claims. (Cl. 146—55)



1. A machine for separating cherries joined by their stems in a cluster, comprising means for moving a single cherry of said cluster in a predetermined path to cause the remaining cherries of the cluster to trail along, fruit engaging means associated with the moving means, means for moving the engaging means into the space between said single cherry and the remaining cherries, to engage the latter whereby to substantially align the stems of the remaining cherries with the stem of the single cherry and to separate said stems at their point of union.

2,382,135
AIR-DRIVEN GYROSCOPIC INSTRUMENT
David Crew, Kingston By-Pass, New Malden, England, assignor to Reid & Sigrist Limited, New Malden, Surrey, England
Application February 25, 1943, Serial No. 477,154
In Great Britain March 2, 1942
2 Claims. (Cl. 287—97.3)



1. In mechanism of the character described, two relatively rotatable members and bearing means for mounting said members for relative rotation comprising complementary ball races fixed to said members, balls disposed between the races in bearing engagement therewith, a hollow stem fixed to one of said members and extending into the other through the ball races to define a gas conduit coaxial with the axis of relative rotation of said members, said stem being wholly out of physical contact with said ball

races and defining therewith an annular space, said other member having an internal annular groove defined in part by the respective ball race, and an annular washer in said groove mounted for free rotation about but in substantially fluid-tight engagement with said stem, said washer also being axially slidable on said stem and being mounted for free radial movement but restrained against axial movement in said annular groove by the respective ball race, the external diameter of said washer being less than the diameter of said groove, whereby the washer may be displaced radially of the axis of relative rotation of said members while maintaining substantially fluid-tight contact with the stem at all times.

2,382,136

CERAMIC BODIES AND METHOD OF PRODUCING SAME

Henry L. Crowley, South Orange, and Arthur M. Hossenlopp, Metuchen, N. J., assignors to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey

Application March 13, 1943, Serial No. 479,050

2 Claims. (Cl. 106—46)



1. A method of forming a ceramic from a mixture of talc, clay, a flux, a binder and a plasticizer dissolved in a suitable solvent therefor, which comprises molding the mixture into a body, prefiring the body at a temperature below the fusing point of the flux, regrinding the body, mixing the reground particles with a binder and a plasticizer dissolved in a suitable solvent therefor, molding the mixture to desired shape, and firing the body at a temperature not greater than 2100 degrees Fahrenheit.

2,382,137

STEATITE-TYPE BODY AND METHOD OF PRODUCING SAME

Henry L. Crowley, South Orange, and Arthur M. Hossenlopp, Metuchen, N. J., assignors to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey

No Drawing. Application May 17, 1944, Serial No. 536,020

4 Claims. (Cl. 106—46)

1. Insulating bodies having a composition of ingredients in parts by weight comprising:

Ball clay	10
Whiting ($CaCO_3$—Calcium carbonate)	6
Barium carbonate ($BaCO_3$)	24 to 35
Zinc oxide (ZnO)	1 to 10
Boric acid (H_3BO_3)	1 to 10
Talc	58 to 29

2,382,138

COMPOSITE BEAM STRUCTURE

Clemens Paul Cueni, Arlington, N. J., assignor to Porete Manufacturing Company, North Arlington, N. J., a corporation of New Jersey

Application July 2, 1941, Serial No. 400,851

9 Claims. (Cl. 72—71)

1. A composite steel-concrete structure comprising a steel beam, permanent supports on which said beam is mounted, a concrete slab cast on said steel beam, connected thereto by a shear reinforcement, said beam being deflected intermediate the ends thereof by the dead load of said concrete having been applied without temporary intermediate supports, said structure being designed to carry a predetermined dead and live



load, the area of the steel section being computed on the basis that the initial stresses therein produced by the dead load are disregarded and that the composite steel-concrete section carries both the dead and live load, the area of the concrete and the shear reinforcement being sufficient to withstand the stresses due to the dead and live loads.

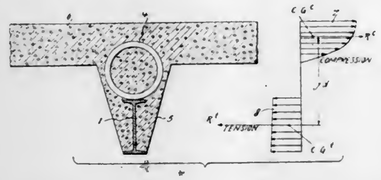
2,382,139

PRESTRESSED COMPOSITE STRUCTURE

Clement Paul Cueni, Arlington, N. J., assignor to Porete Manufacturing Company, North Arlington, N. J., a corporation of New Jersey

Application July 16, 1941, Serial No. 402,618

7 Claims. (Cl. 72—71)



1. A method of making a prestressed composite structure which comprises providing substantially rigid reinforcements in the form of structural shapes having shear reinforcing, mounting the same on permanent supports without intermediate temporary supports, pouring concrete about said reinforcements to impart dead load prestresses of pure bending thereto allowing the concrete to set, the stresses in said structure such that the live load applied on the completed reinforced concrete beam acts to neutralize said prestresses, the area of said reinforcements being sufficient to take the live load stresses only, the initial dead load stresses being entirely neglected, the positioning of the concrete relative to said structural shapes being such that the neutral axis of the composite structure is above said structural shapes.

2,382,140

VEHICLE COUNTING APPARATUS

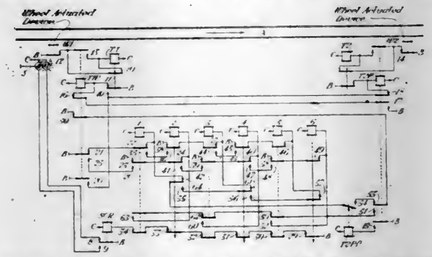
George A. Culbertson, Long Branch, N. J., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 3, 1943, Serial No. 481,759

11 Claims. (Cl. 175—320)

1. In combination, a control relay, a chain of counting relays, a stick circuit for normally energizing the first relay of said chain including its own front contact and connected to a source of current over a contact of said control relay, a stick circuit for each succeeding relay of said chain connected to a current source over a front contact of the preceding relay in the chain, and

means including a back contact of each relay of the chain for transferring to a contact of said



control relay the connection of the source to the stick circuit of the succeeding relay of said chain.

2,382,141

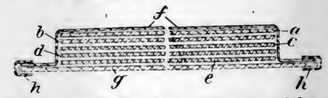
FABRIC PAD FOR LAUNDRY AND LIKE PRESSES

Edward Lionel Dawson and Harold Taylor, Spotland, Rochdale, England, assignors to Turner Brothers Asbestos Company Limited, Spotland, Rochdale, England, a British company

Application January 20, 1943, Serial No. 472,998

In Great Britain January 26, 1942

2 Claims. (Cl. 38—66)



1. A fabric pad for laundry and like presses, comprising a plurality of superposed layers of open mesh woven asbestos cloth, a plurality of layers of woven asbestos cloth of less coarse texture, superposed on the first-mentioned layers, and a top layer of fine quality woven asbestos cloth, the edges of which are secured to the edges of the bottom layer of the first mentioned layers, the asbestos yarns forming the various layers being impregnated with a synthetic resin.

2,382,142

PROCESS FOR RECOVERING SUBSTANTIALLY PURE m-CRESOL OR p-CRESOL

Karl Henry Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 15, 1943, Serial No 510,399

11 Claims. (Cl. 260—621)

1. A process for recovering in substantially pure form a compound selected from the group consisting of m-cresol and p-cresol from mixtures thereof, which comprises subjecting the mixture to the solvent action of a paraffinic hydrocarbon solvent containing not more than 5% by weight of aromatics and not more than 10% by weight of olefins, the boiling range of which is between about 60° and about 350° C., and recovering in solid condition the desired cresol in substantially pure form.

2,382,143

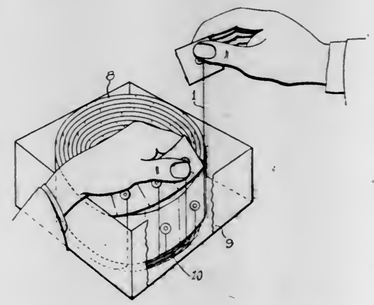
STRING BINDER ASSEMBLAGE AND PACKAGE

Harry W. Gordon, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application March 19, 1943, Serial No. 479,716

1 Claim. (Cl. 206—58)

As a new article of manufacture, a package comprising an outer box container and a coil of detachably connected string binder units within said container, each unit consisting of a flexible base member, a button attached thereto, and a flexible string secured thereto at one end at the junction of the button and its base member, the several base members being constituted by a continuous strip of flexible material having spaced lines of weakness intermediate the spaced buttons and defining the areas of the individual base members, said strip being wound into a compact coil from which the string from each unit freely



and independently depends, the thickness of the coil in the direction of its axis being substantially uniform and of a width no greater than the width of said strip, and the units of the coil being so constructed and arranged that the depending strings are separately and individually stacked upon insertion of said coil into said container whereby the individual units may be withdrawn and severed and the individual strings for the units removed by movement away from the axis of the coils so that entanglement of the remaining strings is prevented.

2,382,144

GELATINATION OF HYDROCARBON DISTILLATES

William K. Griesinger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application August 25, 1943, Serial No. 500,187

8 Claims. (Cl. 44—7)

1. A process for producing a solidified fuel from a hydrocarbon distillate without the aid of a fatty acid soap which comprises mixing the distillate with from 0.5 per cent to 10 per cent by volume of an aqueous solution of water-soluble alkali metal petroleum sulfonates and an alkali metal hydroxide, said solution containing from 10 to 40 per cent by weight of petroleum sulfonates, and from 5 to 15 per cent by weight of the alkali metal hydroxide.

2,382,145

EXTRACTING TONGS

Frank Wright Hadley, Los Angeles, Calif.

Application December 4, 1944, Serial No. 566,481

1 Claim. (Cl. 294—103)

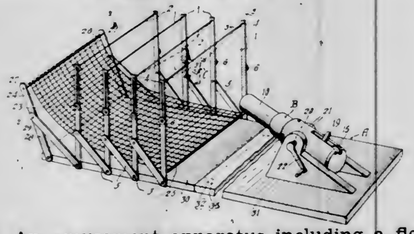
In a device of the character described, an extending member, flanges forming channels at one extremity thereof, a gripping element at the other extremity, a second member longitudinally slidable in said channels, and a gripping element opposed to said first-mentioned gripping element at the extremity of said second member, said grip-

ping elements comprising opposed angularly disposed lugs, one of said lugs having an aperture



therein, and the other having a projection thereon engageable with said aperture.

2,382,146
PROJECTILE GAME
Frank C. Hamilton, Newark, N. J.
Application September 29, 1943, Serial No. 504,237
2 Claims. (Cl. 273—101)



1. An amusement apparatus including a flexible strand, means mounting said strand at two spaced points at one of which said strand is longitudinally movable, an aerial projectile having at least one hook to hook over said strand, and means to normally hold said strand taut between said points and to allow the strand to move longitudinally and flex upon impact of said projectile therewith, whereby when said projectile is projected it may become suspended upon said strand.

2,382,147
COMBINED EYE SHIELD AND GUARD
Frank J. Hanak, Toledo, Ohio, assignor of fifty per cent to John Stelnicki, Toledo, Ohio
Application November 21, 1944, Serial No 564,455
4 Claims. (Cl. 78—46)



1. A combined eye shield and guard for attachment to an implement comprising a transparent hood of substantially arcuate form in cross section for straddling the implement in partially surrounding and overlying relation thereto, said hood having open ends, a transparent closure plate for one end of the hood provided with a bottom edge notch for straddling the implement, means in said notch for attaching the closure plate to said implement, and means to attach said one end of the hood to the closure plate.

2,382,148
OXIDATION OF AROMATIC COMPOUNDS
Robert A. Harman, Plainfield, N. J., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application October 15, 1942, Serial No. 462,114
9 Claims. (Cl. 260—621)

1. On the vapor phase oxidation of benzene to phenol with an oxygen-containing gas, that improvement which comprises carrying out the oxidation in the presence of gaseous iodine.

2,382,149
HEEL SUPPORT FOR WATER SKIS
John M. Hartman, Glendale, Calif.
Application February 21, 1944, Serial No. 523,207
7 Claims. (Cl. 9—21)

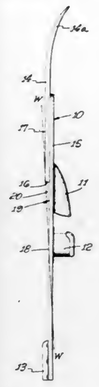


1. In combination with a water ski, a base plate applied to the top surface of the ski, a heel support reciprocally slidable longitudinally of the ski on said plate, adjustable means for limiting the movement of said support in a heel engaging direction to any of selected positions, and means operable independently of the operation of adjusting the first mentioned means for moving the support to and away from the selected heel engaging position.

2,382,150
WATER SKI
John M. Hartman, Glendale, Calif.
Application February 21, 1944, Serial No. 523,208
6 Claims. (Cl. 9—21)

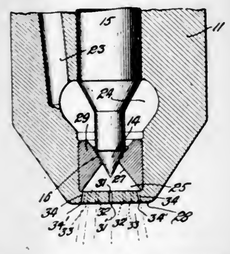
1. A water ski comprising joined forward and rearward sections in overlapping arrangement, said forward section having an upwardly turned end and said rearward section having a bottom surface offset upwardly from the bottom surface of said forward section, the rearward end of the

forward section forming an abrupt shoulder between said surfaces, and means for admitting air



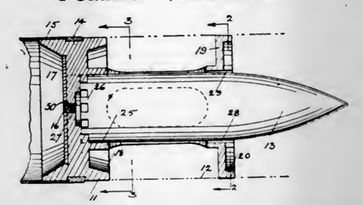
through the ski to the underside thereof at the rear of said forward section.

2,382,151
FUEL INJECTOR
William Harper, Jr., Montreal, Quebec, Canada
Application December 11, 1940, Serial No. 369,582
4 Claims. (Cl. 299—107.6)



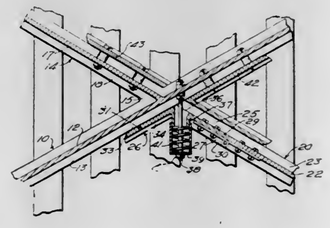
1. In a fuel injector for internal combustion engines, a discharge nozzle having a plurality of sets of orifices disposed around the axis of the injector in concentric circles and means for spraying fuel from said orifices at velocities which diminish progressively as the distance of the orifices from said axis increases.

2,382,152
PROJECTILE ADAPTER
Gustav Herman Jakobsson, Takoma Park, Md., assignor of one-third to Eugene H. Purdy, Washington, D. C.
Application June 3, 1941, Serial No. 396,467
4 Claims. (Cl. 102—93)



1. In an adapter for firing a projectile from a gun of larger caliber and with a correspondingly increased charge, comprising a cradle having a diameter fitting the bore of said gun and an axial seat adapted to house said projectile, a rifling band around the cradle suitable for said gun bore and means for positively keying the projectile in the cradle circumferentially while permitting easy axial separation, whereby the twist of the rifling will be communicated to said projectile to produce the desired rotation during flight, a front disk and a rear disk at a suitable distance apart and a tubular connecting portion between said disks, each of the disks having an annular, forward facing depression forming an air pocket with vents from said depression towards the face of the projectile for the purpose of facilitating the separation of cradle and projectile.

2,382,153
RAILWAY FROG
Webb O. Jay, Lompoc, Calif.
Application March 19, 1943, Serial No. 479,792
1 Claim. (Cl. 246—375)



In a railway frog, a rail structure comprising an intersecting line section and having a main line rail section fixed to and extending therefrom at one side thereof, a second main line section alined with the first main line section on the opposite side of the intersecting rail section containing the main line rail section, the main line sections having heads, the head of the second main line being spaced from the intersecting rail section, a filler section having a head normally filling the space between the heads of the main line section, a hinge connecting the second main line to said filler section, and spring means yieldably holding said filler section in normal position filling the space between the heads of the main line section, said filler section having an angular extension extending along said intersecting rail section and provided with rounded end faces at the side adjacent the intersecting rail section.

2,382,154
SYNTHETIC STONE AND PROCESS OF MAKING IT
Paul W. Jones and John W. Swezey, La Fayette, Ind., assignors to Rostone Corporation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application September 11, 1941, Serial No. 410,430
4 Claims. (Cl. 106—118)

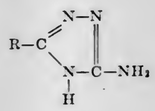
1. The method of producing synthetic stone or artificial structural material, which consists in mixing alumino-silicic acid material, an amount of anhydrous alumino-silicate material equal to between 5% and 90% by weight of the amount of alumino-silicic acid material, enough alkaline-earth base to produce reaction, and enough water to produce thorough wetting and form a compact wetted mass, with the solid ingredients all finely divided, and subjecting the mixture to induration under moist heat.

2,382,155
ARTIFICIAL STRUCTURAL MATERIAL AND PROCESS OF MAKING IT
Paul W. Jones and John W. Swezey, La Fayette, Ind., assignors to Rostone Corporation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application September 11, 1941, Serial No. 410,431
4 Claims. (Cl. 106—118)

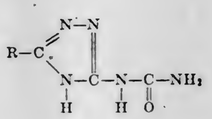
1. The method of producing artificial structural material or synthetic stone, which consists in mixing anhydrous alumino-silicate material, an amount of alumino-silicic acid material equal to between 1% and 70% by weight of the amount of anhydrous alumino-silicate material, enough alkaline-earth base to produce reaction, and enough water to produce thorough wetting and form a compact wetted mass, with the solid ingredients all finely divided, and subjecting the mixture to induration under moist heat.

2,382,156
PREPARATION OF AMINO TRIAZOLES
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 17, 1944, Serial No. 536,019
10 Claims. (Cl. 260—308)

1. A method of preparing 3-amino-1,2,4-triazoles having the formula:



in which R is a member of the group consisting of alkyl, cycloalkyl, and aryl radicals, which comprises heating a compound having the formula:

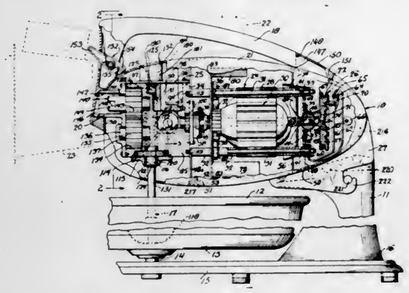


in which R is a member of the group consisting of alkyl, cycloalkyl, and aryl radicals in the presence of water and a hydrolyzing agent.

2,382,157
PROCESS FOR PRODUCING CHROMATES
Leonard M. Kebrich, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 8, 1942, Serial No. 425,980
9 Claims. (Cl. 23—56)

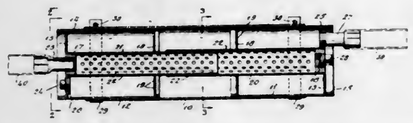
1. A method for preparing double chromate salts which comprises admixing a metal compound from the group consisting of the oxides, hydroxides, and carbonates of lead, barium, calcium, titanium, zinc, iron, aluminum and nickel with an alkali metal dichromate, and heating the said mixture at a temperature between about 350° C. and about 700° C. for a time sufficient to form a sintered heavy metal-alkali metal chromate.

2,382,158
FOOD MIXER POWER UNIT
Verne C. Kennedy, Evanston, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application October 9, 1942, Serial No. 461,436
16 Claims. (Cl. 172—36)



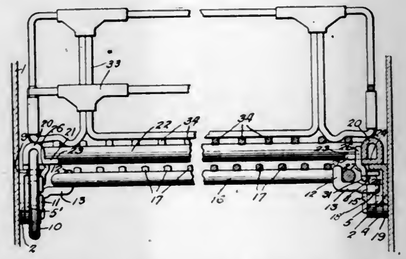
1. A power unit for food mixers comprising a prime mover having a drive shaft, a transmission housing in which one end of the shaft is received, a sealed chamber in the housing having a pair of meshed gears therein, an inlet and an outlet for said chamber, a valve chamber having an inlet connected to said outlet, a plurality of outlets from said valve chamber, a valve in the valve chamber for connecting the valve chamber inlet with the outlets selectively, and a plurality of compartments having a pair of intermeshing gears mounted therein, said last mentioned compartments each having an inlet therein and an outlet, and means for interconnecting the outlet in the last compartments with the inlet of the first mentioned chamber including a reservoir for a liquid medium.

2,382,159
MUFFLER
Harry A. R. Klemm, Rutherford, N. J.
Application October 16, 1942, Serial No. 462,218
5 Claims. (Cl. 181—48)



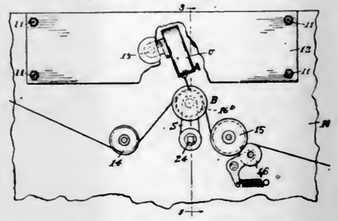
5. A muffler of the kind described comprising a cylindrical tubular main section, inlet and outlet end sections telescopically associated with said main section for axial and rotative adjustment relatively thereto, end plates carried by said end sections at the respective outer ends thereof, annular bosses projecting inwardly from the respective end plates at the centers thereof to provide central inlet and outlet connections, perforated baffles carried by said end sections at the respective inner ends thereof, perforated tubes connected with said bosses and extending through said baffles into telescopic association with each other and partaking of the axial and rotative adjustments of said end sections to provide an adjustable through passage in said muffler, secondary annular bosses projecting inwardly from said end plates in spaced radial outward relation to the first named bosses and providing secondary inlet and outlet connections adapted to be rotatably adjusted about the axis of the muffler to a plurality of operative positions by the rotation of said end sections relatively to said main section, clamping means for clamping said end sections in adjusted positions, and plugs for connection with selected bosses to close the inlet and outlet connections which are not in use at a given time and with a given adjustment of said sections.

2,382,160
GLIDING SHELVES FOR DEEP REFRIGERATORS
Herbert Kuckel, New Orleans, La.
Application May 18, 1944, Serial No. 536,175
6 Claims. (Cl. 211—134)



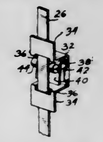
5. In combination, shelf supports of angle cross-section, one horizontal face of each constituting a shelf support and gliding surface, those parts of each support being notched at each end, the vertical part of each support adapted to be secured to spaced wall surfaces, with the rear ends of said parts bent outwardly to constitute stops and with spaced ears depending from the bottom edge, each of said ears having a threaded orifice, rollers rotatably mounted on screws secured in the forward ears, shelf supporting lugs secured on the other ears, a shelf having side members of inverted V-shape cross-section adapted to seat on said rollers, slide parts bridging the side members at the lower rear end of each side member with outwardly directed lugs carried by the rear end of each side member, said lugs shaped and proportioned to pass through the notches at the rear end of the shelf supports and arranged parallel with and spaced below the slide supports of the side shelf members, guide lugs extending downwardly from the first mentioned lugs adapted to engage the inner edge of the supporting part of each shelf support, and a second shelf structure adapted to be supported by the shelf supporting lugs carried by the shelf support ears.

2,382,161
FILM SUPPORTING BASE FOR SOUND RECORDING MACHINES
Jacob Miles Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Brooklyn, N. Y.
Application July 4, 1942, Serial No. 449,711
5 Claims. (Cl. 274—11)



1. In a sound recording and reproducing machine, a base for supporting a traveling film in operative engagement with the stylus comprising a body portion, a shaft member extending from one end of the body portion, a shoulder portion between said body portion and shaft, a flange on the end of the body portion opposite said shaft, a movable flange on said shaft and positioned against said shoulder, and a spring between said cup-shaped member and movable flange for yieldingly pressing said movable flange toward said shoulder.

2,382,162
WINDOW CONSTRUCTION
Joseph I. Levyn, Brooklyn, N. Y.
Application August 13, 1942, Serial No. 454,650
12 Claims. (Cl. 292—73)



1. In a window mounting for accommodating upward and downward movement of a window in a window frame, a window frame member, a window side member, a control bar secured to said window side member in position to extend longitudinally of the window frame member, a checking device carried by said window frame member and formed with a recess, a roller in said recess, a yieldable backing cam within said recess for forcing said roller outwardly into frictional contact with said control bar during downward movement of said control bar, and means carried by said checking device and extending behind the control bar for maintaining the control bar in operative relationship to said roller.

2,382,163
DETERGENT BRIQUETTE
James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application January 31, 1942, Serial No. 429,127
6 Claims. (Cl. 252—138)

1. A detergent briquette chemically and physically stable, hard, strong and non-deliquescent consisting of a dense crystalline aggregate consisting essentially of the following constituents in proportions by weight within the respective indicated ranges: trisodium phosphate about 1% to 15%, sodium silicate about 1% to 25%, sodium carbonate about 20% to 50%, tetrasodium pyrophosphate about 3% to 25% and water about 30% to 40%, the $Na_2O:SiO_2$ ratio of the silicate being not less than 1:1 nor greater than 2:1.

2,382,164
DETERGENT BRIQUETTE
James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application January 31, 1942, Serial No. 429,128
6 Claims. (Cl. 252—138)

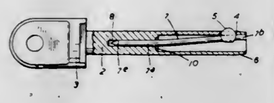
3. A detergent briquette physically stable, hard, strong, and non deliquescent consisting of a dense, crystalline aggregate consisting essentially of the following ingredients in proportions by weight within the respective indicated ranges: sodium silicate of which the ratio of $Na_2O:SiO_2$

is less than 1:1 about 1%–20%, total water about 30%–40%, at least one detergent of the group consisting of sodium carbonate and trisodium phosphate aggregating from about one-fourth to about one-half the total formula weight, and tetrasodium pyrophosphate about 1% to about 15%.

2,382,165
DETERGENT BRIQUETTE
James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application January 31, 1942, Serial No. 429,129
4 Claims. (Cl. 252—135)

1. A detergent briquette physically stable, hard, strong and non-deliquescent consisting of a dense crystalline aggregate consisting essentially of the following ingredients in proportions by weight within the respective indicated ranges: trisodium phosphate about 1% to 35%, sodium silicate about 1% to 25%, soda ash about 10% to 50%, total water about 30% to 40%, a phosphate of the class consisting of sodium hexametaphosphate and sodium tetraphosphate about 1% to 15% and an alkali-stable surface active agent up to about 5%, the $Na_2O:SiO_2$ ratio of the silicate being not less than 1:1 nor greater than 2:1.

2,382,166
HINGE PIN, RETAINER PIN, AND THE LIKE PROVIDED WITH SELF-LOCKING MEANS
James Martin, Higher Denham, near Uxbridge, England
Application April 14, 1944, Serial No. 531,108
In Great Britain September 7, 1943
4 Claims. (Cl. 85—5)

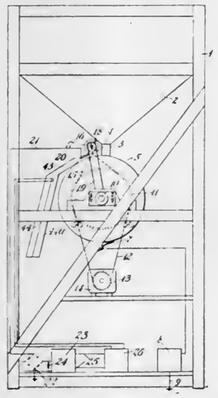


1. In a self-locking connecting device, the combination of a pin having at least one hollow section open at one end and one solid section, a bore extending from the hollow section into the solid section and co-axial with the solid section, a separate resilient rod having one end fitting tightly into said bore and having the other end free to be flexed within the hollow section of said pin, an aperture in the wall of the hollow section of said pin, a plunger adapted to pass freely through said aperture, said plunger being mounted on the free end of said resilient rod.

2,382,167
BENZENE-SULPHONAMIDO DERIVATIVES AND PROCESS OF MAKING SAME
Max Hartmann, Riehen, and Jean Druey, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application April 23, 1941, Serial No. 390,012. In Switzerland June 1, 1940
9 Claims. (Cl. 260—239.6)

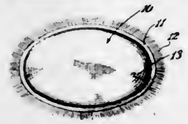
1. Process for the manufacture of 2-[para-hydroxylaminobenzenesulphonamido]-4-methylthiazole, comprising causing hydrogen to act on 2-[para-nitrobenzenesulphonamido]-4-methylthiazole in the presence of a catalyst selected from the catalysts of the platinum and nickel groups.

2,382,168
APPARATUS FOR SORTING GRANULAR MATERIAL ACCORDING TO ITS MOISTURE CONTENT
Thomas Alan Oxley and Frank Young Henderson, Slough, England
Application February 19, 1944, Serial No. 523,152
In Great Britain December 17, 1943
1 Claim. (Cl. 209—81)



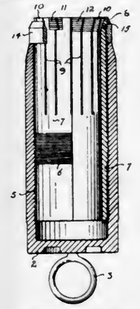
Apparatus for sorting granular material according to its moisture content comprising in combination a conveyor travelling at a predetermined speed, means for feeding a stream of granular material of predetermined cross-section to the conveyor, means for compressing the stream sufficiently in thickness, while leaving it free laterally to obtain a constant packing factor, electrodes immediately succeeding the compressing means in the path of the stream of material and of such size as to cooperate with the central portion only of the stream, connections between the electrodes and an electric circuit and means in the electric circuit adapted to distinguish successive portions of such material in accordance with variations in the electrical properties of the material passing between the electrodes due to variations in its moisture content.

2,382,169
METHOD OF MANUFACTURE OF MULTIPLY DEVICES
Rafael J. Peña, New York, N. Y., assignor to Oxzyn Company, Clifton, N. J., a corporation of New Jersey
Application September 3, 1942, Serial No. 457,118
4 Claims. (Cl. 154—2)



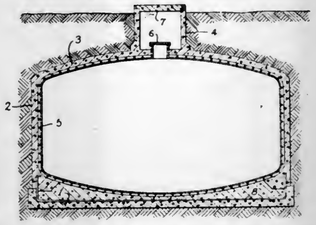
1. The method of manufacturing powder puffs and like devices, said method comprising securing plies of material together along an endless line spaced from both the center and the periphery of the plies and providing a container space between the plies surrounded by the line and an unsecured peripheral portion on at least one of the plies outwardly of the line, and thereafter fraying said portion completely around its periphery and inwardly to provide a continuous marginal fringe, the means providing said line functioning to limit the inward extent of fraying.

2,382,170
LAMP BASE REMOVER
Frederick G. Phillips, Port Moody, British Columbia, Canada
Application February 21, 1944, Serial No. 523,383
3 Claims. (Cl. 81—3)



1. A lamp base remover comprising a cylinder, a sleeve within the cylinder, said sleeve having a slotted open end adapted to surround the rim of a lamp base, cooperating means located on the sleeve and cylinder to contract the open end of the sleeve about the lamp base in response to turning movement of the cylinder in an anticlockwise direction, said sleeve having a peripheral gap at its open end adapted to bridge the terminal spot on the rim of the lamp base whereby the marginal edge of said gap may abut said terminal spot to rotate said base when securely gripped.

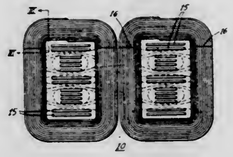
2,382,171
UNDERGROUND STORAGE TANK
Edmund Stanley Pomykala, Mobile, Ala.
Application August 24, 1942, Serial No. 456,120
2 Claims. (Cl. 72—14)



1. A tank structure comprising a cylindrical side wall and domed bottom and top walls wherein the walls are composed of a thin metal lining, a series of spaced parallel bars welded at intervals directly to and in continuous contact with the outside of the metal lining, a series of spaced parallel bars at right angles to said first series of bars and welded thereto at each crossing, and a shell of concrete applied to the outside of said walls and encasing said bars to form a unitary reenforced concrete continuous metal lined wall structure.

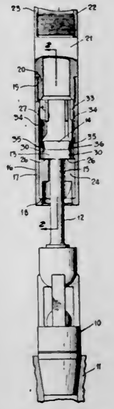
2,382,172
CORE STRUCTURE FOR INDUCTIVE APPARATUS
Henry V. Putman and John K. Hodnette, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,220
7 Claims. (Cl. 175—356)

1. A core for inductive apparatus comprising, in combination, a strip of silicon steel having preferred grain orientation, a portion of the strip being slit to provide a plurality of spaced narrower strips, the strip being wound into a core having a number of turns slit and a number of turns unslit, the unslit turns serving to carry the slit turns, the slits in the strip being made



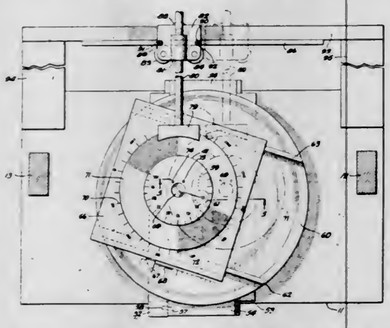
at a predetermined position in the strip to locate the slit turns to meet predetermined operating conditions and to restrict the flow of eddy currents transversely of the strip, the unslit turns being located in the core where it is sufficient to restrict the flow of eddy currents from turn to turn.

2,382,173
STANDING VALVE PULLER
Ralph R. Renouf, South Gate, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application February 21, 1944, Serial No. 523,243
7 Claims. (Cl. 294—86)



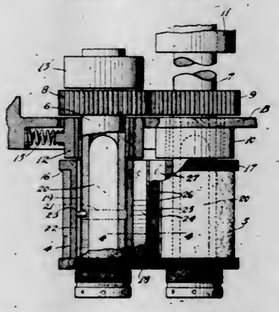
1. In a standing valve puller, the combination of: first and second engagement members, one of said members being connectable to a standing valve and the other of said members being connectable to the lower part of a suspension means, the upper of said members having an upwardly faced shoulder and the lower of said members having a stem with an integral T head at its upper end having downwardly faced shoulders, the upper of said members having means for guiding said head relatively upward within itself, said members being so formed and said shoulders being so positioned that said shoulders may be brought into, and removed from, confronting relation by relative rotation of said members; a ring mounted in one of said members; and resilient fingers carried by said ring in a downwardly directed position to engage the ends of said T head to yieldingly restrain both upward movement and rotation of said head so as to limit the movement of said members away from said confronting relation whereby the members will not become inadvertently disengaged.

2,382,174
SCALE PRINTING APPARATUS
Frank R. Rott, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,084
7 Claims. (Cl. 101—41)



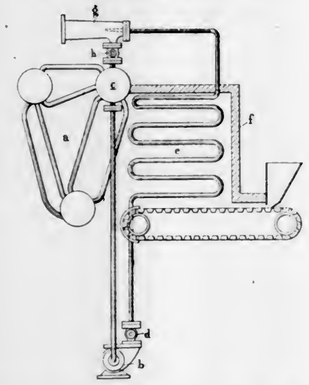
1. In a meter scale printing apparatus, a track member, a carrier movable along said track, a bearing on said carrier, a rod slidable in said bearing, a scale supporting disc fixed to said rod, and means for supporting said scale supporting disc for movement in a circular path.

2,382,175
SEALING, CRIMPING, AND SCORING ROLLERS FOR PACKAGING MACHINES
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application December 12, 1942, Serial No. 468,762
2 Claims. (Cl. 93—3)



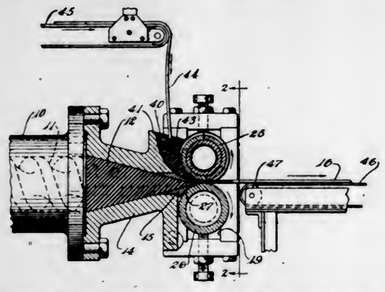
1. In a packaging apparatus, a pair of rollers to receive layers of packaging material between their peripheries, portions of the peripheral surface of each roller being formed to engage and press one of said layers of packaging material into contact with the other layer and each roller having serrations on its periphery to intermesh with the serrations on the other roller, mechanism mounting said rollers for rotation about approximately parallel axes including means rotatably mounting one of said rollers, a rotatable shaft whose axis is parallel to the axis of rotation of said roller, means mounting the other of said rollers on said shaft to tilt relatively to said shaft in axial planes of the roller about axes transverse to its axis of rotation, means for yieldingly influencing said rollers into peripheral contact with each other, and means for synchronously rotating said rollers in opposite directions.

2,382,176
STEAM GENERATOR
George Sanders, Larne Harbour, Northern Ireland
Application June 15, 1942, Serial No. 447,120
In Great Britain June 23, 1941
2 Claims. (Cl. 122—235)



1. A steam generating plant comprising a water tube boiler for the generation of low pressure steam, a monotube boiler for the generation of high pressure superheated steam, a pump for drawing water from the said low stage water tube boiler and for forcing it into the said high stage monotube boiler, an ejector arranged at the outlet of the said mono-tube high pressure steam boiler for the passage of the high pressure superheated steam coming from the said monotube boiler and for drawing low pressure steam from the said low stage water tube boiler and non-return valves arranged between the pump and the monotube boiler and between the ejector and the low stage water tube boiler.

2,382,177
APPARATUS FOR MAKING COMPOSITE STRIPS
George H. Schanz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 15, 1941, Serial No. 415,058
4 Claims. (Cl. 18—11)

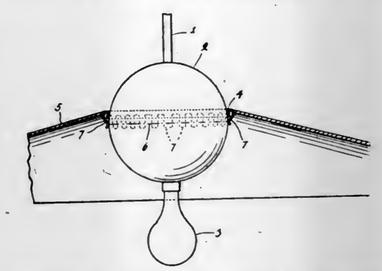


1. Apparatus for forming and uniting a plurality of plastic materials in composite strip form, said apparatus comprising a pair of rotatable forming and pressing rolls, at least one of said rolls having a contoured strip-shaping face, means for feeding plastic material to the nip of the rolls, and means for supplying another plastic material upon a face of the first said plastic material and against the contoured roll and into the nip of the rolls for forming the same and pressing it into composite face to face relation with the first plastic material.

2,382,178
PROCESS OF CONCENTRATING ORES
Karl F. Schilling, Lakeland, Fla., Allen T. Cole, Cartersville, Ga., and James B. Duke, Mulberry, and Wesley M. Houston, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application May 29, 1944, Serial No. 537,974
15 Claims. (Cl. 209—49)

1. The process of separating the components of ores of the class consisting of non-sulfide non-silicate minerals admixed with silicious gangue and silicate minerals admixed with quartz and soluble potash minerals occurring in their soluble ores, which comprises admixing an aqueous pulp of the ore in a suitably divided state with a collector selected from the group consisting of: phosphonamides and their salts which contain at least one functioning hydrocarbon group from the class of aliphatic groups containing 7 or more carbon atoms at least 5 of which are in a single straight chain, hydrocarbon groups present in abietic and naphthenic acids, and naphthalene and substituted benzene groups; and subjecting the thus conditioned pulp to a concentration operation to separate the ore constituents.

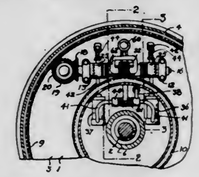
2,382,179
REFLECTOR SUPPORT
Ludwig Schwarzmayr, San Francisco, Calif.
Application July 14, 1944, Serial No. 544,991
1 Claim. (Cl. 240—78)



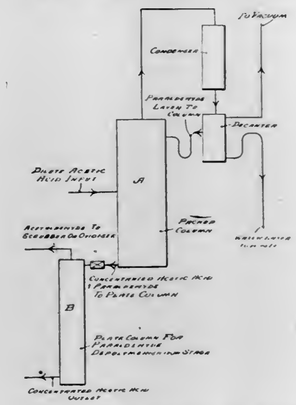
In a reflector support, a globe, a rigid annular member and a reflector supported thereby, said member being dimensioned to be supported by said globe spaced from its major circle and having spring-fingers extending downwardly therefrom and being adapted to engage said globe under stress about its major circle and being upwardly movable to a loosely slidable position on said globe spaced from said major circle, and a rigid flange extending downwardly from said member and limiting the inward movement of said spring-fingers to cause the spring-fingers to engage said globe loosely slidable on a circle spaced from said major circle but relatively close thereto.

2,382,180
VEHICLE BRAKE
Frank Scott, Rounds, British Columbia, Canada
Application October 4, 1944, Serial No. 557,110
4 Claims. (Cl. 188—152)

1. A wheel brake assembly comprising a brake housing, a spindle and a wheel carrying member rotatable concentrically about the housing comprising a gear ring and a worm gear mounted concentrically within the wheel carrying member, a shaft and gear train mounted within the brake housing operatively connecting the gear ring and the worm gear together, said gear train including a worm pinion to mesh with the worm gear, said worm pinion being slidably mounted upon the shaft, a pair of thrust devices closely spaced from opposite sides of the worm pinion, and means for moving one of said thrusts into contact with the worm pinion to cause binding between said worm pinion and said worm gear.



2,382,181
CONCENTRATION OF AQUEOUS ACETIC ACID
Hanns Peter Staudinger, Ewell, Karl Heinrich Walter Tuerck, Banstead, and Eric Harvey Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
Application July 15, 1942, Serial No. 451,073
In Great Britain June 17, 1941
9 Claims. (Cl. 202—42)

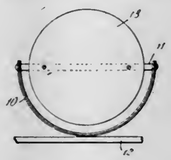


1. A method of dehydrating aqueous acetic acid which comprises the step of distilling off the water in azeotropic admixture with paraldehyde.

2,382,182
BIMETALLIC ACTUATOR
Judson Strong, Great Neck, N. Y., assignor to The H. A. Wilson Company, Newark, N. J., a corporation of New Jersey
Application April 12, 1940, Serial No. 329,249
3 Claims. (Cl. 60—23)

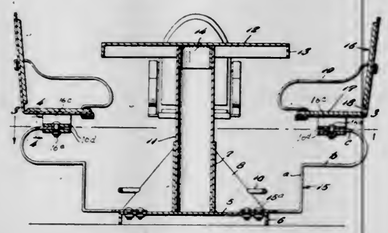
2. A thermal device comprising a thin bimetallic thermal means, rigid means carried by said thermal means and secured to spaced points thereof and maintaining said points in predetermined relation with the portion of the thermal means between said points curved and with the

convex side of said thermal means exposed, and said thermal device at room temperature having its center of gravity below and in a radius passing through the center of curvature of the thermal means whereby on disposing of the convex surface portion of the thermal means on a surface having a temperature substantially differ-



ent from room temperature the temperature differential causes a characteristic distortion of the thermal means momentarily at the place of contact with said surface and results in a shifting of the center of gravity of the device to one side or the other of said radial line to produce a rocking movement of the device.

2,382,183
DINING TABLE
Green O. Thaxton, Washington, D. C.
Application March 17, 1942, Serial No. 435,089
6 Claims. (Cl. 155—124)



5. A table and chair ensemble comprising a base, an upright on the base, a table top on the upright, chairs, springs supporting the chairs, said springs consisting of members projecting outwardly and upwardly from the base, said upwardly disposed portions of the springs being provided with vertically disposed U-shaped formations, and securing means between the chairs and the upper legs of said U-shaped formation, webs extending from the base to intermediate portions of the upright and a foot rail supported by the outermost portions of the said webs.

2,382,184
RESINOUS MATERIALS AND METHOD FOR THE PRODUCTION THEREOF
Kenneth M. Thompson, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1941, Serial No. 391,715
12 Claims. (Cl. 260—53)

1. A process which comprises reacting a petroleum oil fraction containing cyclic hydrocarbons with an aldehyde in the presence of a condensing agent from the group consisting of BF_3 etherate, BF_3 alcoholate, $H_3BO_2F_2$, and

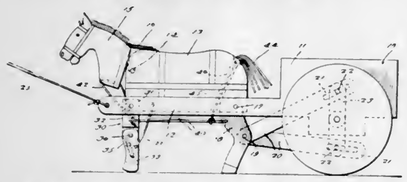
$$H_3BO_2F_2.BF_3$$

at a temperature productive of the condensation of cyclic hydrocarbons and the aldehyde to a useful resinous material.

2,382,185
NITROGENOUS CONDENSATION PRODUCTS OF ALKYLENE IMINES
Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 12, 1940, Serial No. 369,867. In Germany August 7, 1935
3 Claims. (Cl. 260—239)

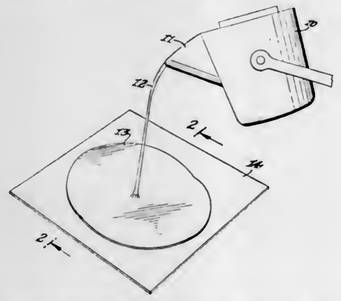
1. Nitrogenous condensation products obtained by condensing a member selected from the class consisting of monomeric 1.2-alkylene imines and their non-crystalline high molecular polymerization products with a chlorocarbonic acid ester of a higher aliphatic alcohol.

2,382,186
TOY
Ernest Valenti, Brooklyn, N. Y.
Application November 8, 1944, Serial No. 562,503
4 Claims. (Cl. 46—102)



1. A wheeled toy comprising the combination with a simulated cart including a pair of sides arranged in spaced parallel relation; shafts integral with the sides and projecting from the forward ends of the sides, a pair of pivot pins extending transversely between opposite shafts, an axle extending transversely of the cart in parallel relation to the pivot pins, and wheels fixed to the outer ends of the axle, of a body simulating the body of a horse supported on the pivot pins, legs pivotally supported on the pivot pins and means connecting the axle and the legs to cause the latter to move as the wheels turn.

2,382,187
APPARATUS FOR TREATING GLASS
Alfred Vang, Summit, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 455,981
4 Claims. (Cl. 49—39)



1. An apparatus for treating glass, comprising a plate for supporting molten glass, means for applying supersonic vibrations to a bottom point of said plate, and means for pouring a stream of molten glass upon said plate at a point directly above said bottom point.

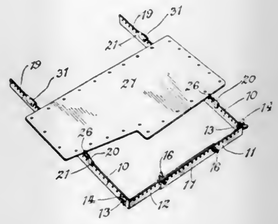
2,382,188
OXIDATION OF VAT AND SULPHUR DYES
George P. Vincent, Briarcliff Manor, N. Y., and Archie L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application February 4, 1943, Serial No. 474,716
10 Claims. (Cl. 8—34)

1. In the dyeing of cellulosic textile materials with a dyestuff of the class consisting of the sulphur dyes and the vat dyes which after application to the textile is subjected to an oxidation treatment to develop or improve its color and fastness, the improvement which comprises effecting the oxidation of the dyestuff by treating the textile impregnated with the dyestuff with an aqueous solution of sodium chlorite, having a pH not less than about 3, for a period of time sufficient to effect the desired oxidation.

2,382,189
PREPARATION OF NITRIC OXIDE
Milton H. Wahl, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1940, Serial No. 346,549
2 Claims. (Cl. 23—157)

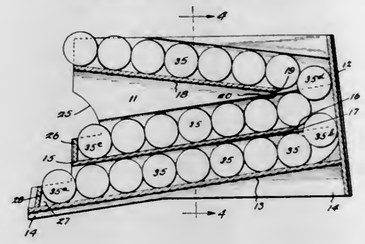
1. A method of preparing substantially pure nitric oxide which comprises heating nitric acid of about 98% strength to form nitric acid vapor, mixing said nitric acid vapor with a combustible gas selected from the group consisting of hydrogen and the hydrocarbons, said nitric acid vapor and said combustible gas being supplied in stoichiometrical proportions, passing said mixed gases through an orifice into a burning chamber, igniting and burning the same therein, condensing the water vapor present in the resulting gas mixture, removing the carbon dioxide therefrom, and collecting the substantially pure nitric oxide formed.

2,382,190
PERFORATING APPARATUS AND WORK PLACING DEVICE FOR SAME
George F. Wales, Kenmore, N. Y.
Application June 28, 1944, Serial No. 542,516
12 Claims. (Cl. 164—86)



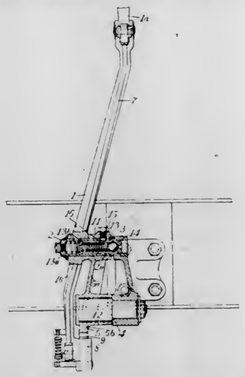
1. A punch and die apparatus including a pair of plates spaced apart in fixed relation to each other, upwardly projecting die elements mounted on the lower of said plates, work locating means projecting above the top face of said die elements, and means for feeding work into the space between said plates and against said locating means including a frame comprising arms extending into the space between said plates, and work engaging elements on said arms.

2,382,191
DISPENSING DEVICE
Walter W. Weichselbaum, Gemmell, Minn.
Application July 5, 1944, Serial No. 543,516
3 Claims. (Cl. 312—45)



1. In a dispensing device for cylindrical articles of predetermined diameter, in combination, a cabinet having side walls, a rear wall, a rearwardly inclined shelf forming a bottom secured to said side walls, means forming an aperture at the front of the device adjacent the lowermost point of said shelf, a second shelf above and parallel to said first shelf terminating at a point spaced from said rear wall, a third shelf above said second shelf inclined at an angle opposite the angle of inclination of said first and second shelves and terminating at a point spaced from said rear wall, whereby cylindrical articles placed on said third shelf will roll toward said rear wall, through the spaces between the ends of said third and second shelves to fill said first shelf, and, when said first shelf is full, through the space between said third shelf and said rear wall to fill said second shelf.

2,382,192
BRAKE MECHANISM
Charles Hector White, Luton, England, assignor to Commer Cars Limited, Luton, England
Application December 6, 1943, Serial No. 513,165
In Great Britain December 8, 1942
3 Claims. (Cl. 74—518)



1. A vehicle handbrake comprising a first pivot, a hand lever movable about said pivot, a second pivot, a second lever movable about the second pivot and supporting the first pivot, and means releasably restraining movement of the first pivot whereby, during its initial movement, said hand lever moves about the first pivot and, when the restraint of the releasable means is overcome, the hand lever moves about the second pivot, the restraining means including a member incorporated in the first pivot and resiliently urged into

contact with a fixed part to provide a frictional loading equivalent to the sum of a predetermined initial output load and the load which is exerted when the hand lever is actuated.

2,382,193

STABILIZATION OF IODINE IN ANIMAL AND POULTRY FEEDS

Clarence Walter Whitmoyer and William James Moore, Myerstown, Pa., assignors to Whitmoyer Laboratories, Inc., Myerstown, Pa., a corporation of Delaware

No Drawing. Application September 29, 1943, Serial No. 504,300
12 Claims. (Cl. 99—2)

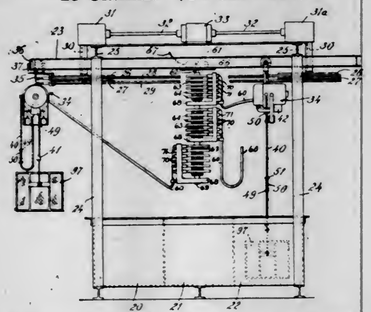
1. A method of stabilizing the iodine content of animal and poultry feed to which iodine source material has been added which comprises intermixing with said source material a protein containing substance having an affinity for iodine whereby iodine liberated from the source material is absorbed by said protein.

2,382,194

CONVEYING APPARATUS

Oliver Wendell Wood, Rahway, N. J., assignor to M. C. Hoy and C. I. Knecht, copartners doing business as The Plating Products Co., Newark, N. J.

Application December 23, 1943, Serial No. 515,378
15 Claims. (Cl. 212—131)



1. An apparatus for handling articles to be treated which comprises a track, a hoist movable along the track and provided with means for attachment to an article, a motor on the hoist operable to raise and lower the attachment means and article, means for supplying current to the motor throughout the movement of the hoist along the track, a reversing switch on the hoist for controlling the supply of current to the motor to cause it to operate for raising and lowering, electrical means on the hoist for operating the switch, a traveling element movable along the track, means on the hoist for connecting the hoist to the element to be moved along the track thereby, and program means for controlling the switch operating and the connecting means.

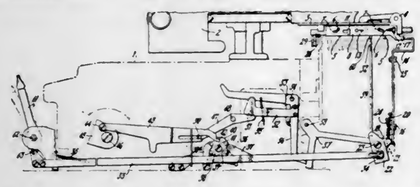
2,382,195

CARRIAGE CONTROL FOR ACCOUNTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Corporation, a corporation of Delaware

Application May 4, 1944, Serial No. 534,112
3 Claims. (Cl. 235—60)

1. In a machine of the class described, a travelling carriage arranged for tabulation to a plurality of columnar positions, means, including an adjustable member, locatable in different positions for alterably controlling the machine in its operation in the different columnar positions, normally ineffective machine-actuated means for



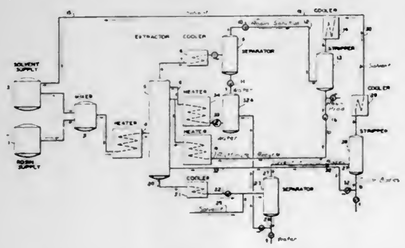
differentially locating the member, and means under the control of the carriage for selectively rendering the machine-actuated means effective in one or more columnar positions during travel of the carriage from one columnar position to another.

2,382,196

REFINING OF ROSIN

George B. Arnold, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 29, 1943, Serial No. 474,007
2 Claims. (Cl. 260—111)



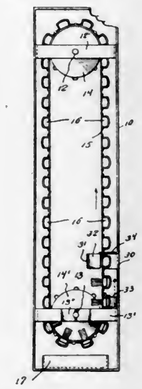
2. A continuous method for refining rosin to remove color bodies therefrom which comprises dissolving rosin in gasoline hydrocarbons, passing a stream of said solution through a heating zone, heating it therein to a temperature of about 300–400° F., then passing the heated stream to the intermedaite portion of an extraction column, introducing to the upper portion of the column, in proportion relatively large to said solution stream, a stream consisting of water heated to a temperature of about 300–400° F., subjecting the water and rosin solution to countercurrent contact within the extraction column under a pressure sufficiently elevated to maintain the mixture undergoing treatment in the liquid phase, forming a raffinate phase comprising rosin solution and a minor portion of the water and an extract phase comprising the major portion of the water containing color forming bodies and a minor amount of rosin, separately discharging extract and raffinate phases from the column, substantially reducing the temperature of the discharged extract phase, commingling gasoline hydrocarbons with the discharged extract phase such that color forming bodies are dissolved from the water, separating resulting solution of said bodies in hydrocarbons from water, discharging residual water, stripping hydrocarbon solvent from dissolved extract bodies, discharging stripped solvent, recycling a portion of resulting solvent-free extract bodies to the lower portion of the extraction tower, discharging extract bodies not so recycled, substantially reducing the temperature of the discharged raffinate phase such that water separates from the rosin solution in gasoline hydrocarbons, discharging the rosin solution from which water has been separated, separating gasoline hydrocarbons from the discharged rosin solution to produce rosin raffinate, recycling a portion of said rosin raffinate to the upper portion of the column and recycling at least a portion of the water remaining from both the raffinate and extract phases to the extraction column.

2,382,197

VENDING MACHINE

Byron A. Babel, Highland, Calif.

Applicaton July 7, 1943, Serial No. 493,767
8 Claims. (Cl. 312—97)



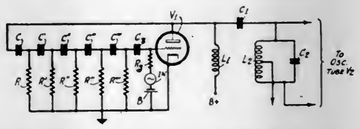
1. A vending machine including a casing, driving rollers journaled therein one above the other, a vending belt trained over said rollers having means for holding the articles to be singly removed from the machine, means for operating said belt, said casing having an opening through which the articles are singly removed therefrom, and article engaging means for limiting the movement of the belt at each operation thereof to successively position said articles in alignment with said opening.

2,382,198

OSCILLATOR STABILIZING CIRCUIT

Waldon P. Bollinger, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 16, 1942, Serial No. 443,193
12 Claims. (Cl. 179—171.5)



1. A stabilized oscillation generator comprising a vacuum tube oscillator having a frequency determining circuit, a reactance tube having a control electrode and a cathode and coupled to said oscillator, a phase shifting network coupled between said control electrode and the cathode of said reactance tube, and a connection coupling said network to said frequency determining circuit, said network having a plurality of lumped reactance elements of the same kind and a plurality of resistor elements, the number of said elements and their values being so related as to produce a phase shift substantially equal to an odd multiple of 90° but not substantially less than 270°, said elements being so arranged that the susceptance of said reactance tube varies with the frequency of the oscillations produced by said oscillator in such direction and magnitude as to oppose changes in the oscillator frequency from its assigned value.

2,382,199

ELECTRIC APPARATUS

Edwin H. Brink, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application June 9, 1942, Serial No. 446,330
9 Claims. (Cl. 175—358)



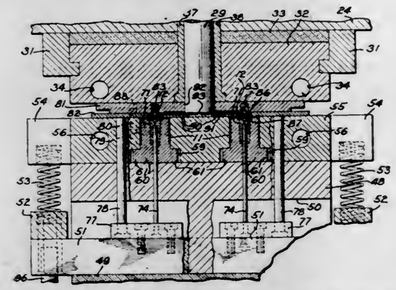
1. In an electric induction apparatus, a core structure, and a core supporting means including a tubular member, a pair of relatively rigid clamping members cooperable with opposite sides of said core structure at the inner and outer peripheries thereof for relatively rigidly attaching one end of said tubular member to said core structure so that said core may be supported from the opposite end of said tubular member in a substantially horizontal position during the application of a plastic insulating covering to said core structure.

2,382,200

MOLDING APPARATUS

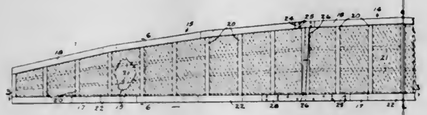
Anton J. Brunner, Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 22, 1944, Serial No. 523,451
5 Claims. (Cl. 18—36)



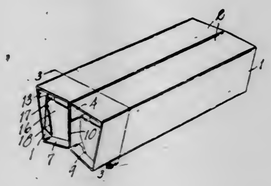
1. In a molding apparatus for molding terminal inserts in housings, a pair of cooperating plates having surfaces defining a passage for molding material and having other surfaces defining a portion of a mold cavity, a block cooperating with said plates to support the housing and to define other portions of said molding cavity, an insert mounted in one of said plates for defining a further portion of the mold cavity, an insert in said block for defining the remainder of said mold cavity, said inserts having cooperating surfaces to support the terminal inserts, means for heating said plates and block, and means for forcing moldable material through the passage to the mold cavity.

2,382,201
TIMBER LOAD CARRYING MEMBER
Joseph R. Burke, Harold L. Worthington, and George Runciman, Seattle, Wash.
Application May 1, 1943, Serial No. 485,326
6 Claims. (Cl. 20—0.5)



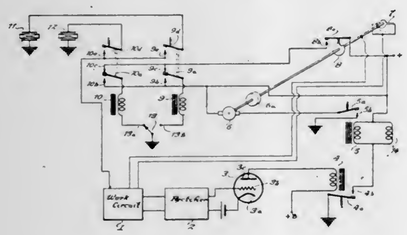
1. A sectional timber load carrying member comprising a plurality of sections each having an upper chord of laminated adhesively connected wooden pieces; a lower chord of laminated adhesively connected wooden pieces; a plurality of layers of wooden strips embedded in and adhesively connected to said chords substantially in the medial plane of the chords and extending between said chords with the strips of each layer in edge to edge engagement and diagonally positioned and the strips of adjacent layers crossed relative to each other and in face to face contact; adhesive means securing said strips of adjacent layers together; upright wooden stiffener strips provided at intervals between said chords and on the outer sides of said diagonal strips, said stiffener strips being adhesively secured together and adhesively secured to the diagonal strips; two upwardly directed shear transferring members adhesively secured to opposite sides of the web member of one of said truss sections and having end portions that overhang the end portions of said truss section; and two downwardly directed shear transferring members adhesively secured to opposite sides of the web member of an adjoining truss section and having end portions that overhang the end portions of said adjoining truss section, the ends of the upwardly and downwardly extending shear transferring members being positioned in abutting relation to trasfer the shear from one truss section to the other when the two truss sections are in properly assembled relation.

2,382,202
COLLAPSIBLE CELLULAR CARTON
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application June 27, 1942, Serial No. 448,799
4 Claims. (Cl. 229—29)



1. A collapsible cellular carton comprising side walls each having a cover member hingedly joined to its outer edge, bottom members hingedly joined to the lower edges of the side walls and having a series of longitudinally spaced transverse slots therein, longitudinal partition members hingedly joined to the inner edges of said bottom members and adhesively secured together in side by side relation, the height of said longitudinal partition members being substantially less than the height of said side walls, and top members hingedly joined to the upper edges of said longitudinal partition members and having sealing flaps secured to the inner sides of said side walls, said top members constituting cross members connecting the upper portions of said side walls with the upper portions of said longitudinal partition members and being of a width substantially exceeding the width of the bottom members, said connected side walls, longitudinal partition members and top and bottom members coacting when the carton is erected to support the side walls and longitudinal partition members in an upwardly diverging relation with the lower edges of the longitudinal partition members in a plane substantially above the lower edges of the side walls and with the bottom members above the plane of the lower edges of the side walls and in an outwardly inclined arched relation to each other, said top members being slitted and scored to provide a plurality of transverse partition and end walls and hinged connections therefor to the longitudinal partition members and to said sealing flaps whereby said transverse partition and end members may be swung to erected position with their lower ends engaged in said slots in said bottom members and constitute section support members when the longitudinal partition members are severed by fracturing the bond between them, both said cover members being provided with closure flaps engageable on the outer side of the adjacent longitudinal partition member with the hinge member connections for the transverse partition members thereto, thereby providing two longitudinal rows of cells separable while the closure flaps are so engaged, said several parts being formed of an integral blank with the side walls, bottom walls, longitudinal partition members, top members, and sealing flaps arranged in reversed relation in the blank and with the sealing flaps side by side in the blank and joined by readily fracturable connections whereby such connections serve to hold the structure in flat collapsed position while permitting the ready erecting thereof.

2,382,203
AUTOMATIC TUNING CONTROL CIRCUIT
James F. Chandler, Buffalo, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application January 12, 1944, Serial No. 517,959
8 Claims. (Cl. 250—40)



1. In automatic tuning apparatus, in combination, a frequency determining element, a work circuit including a power source for delivering energy limited to a frequency determined by said element, said work circuit having a variable tuning instrumentality operable through successive tuning cycles, power means for varying said instrumentality, energy responsive means receiving energy from said work circuit for interrupting operation of said power means in response to delivery by said work circuit to said energy responsive means of a predetermined level of energy, and means for causing operation of said power means to move said tuning instrumentality through completion of one tuning cycle irrespective of the level of energy of said work circuit, said last mentioned means comprising a relay for closing a circuit to connect said frequency determining element to said work circuit, a normally open switch interposed in circuit with the energizing winding of said relay, and means for closing said switch once only in each tuning cycle.

2,382,204
CHROME TANNING SOLUTIONS AND METHOD OF MAKING AND USING THE SAME
Hiram B. Channon, Portsmouth, Va., assignor to Virginia Smelting Company, West Norfolk, Va., a corporation of Maine
No Drawing. Application December 29, 1942, Serial No. 470,470
4 Claims. (Cl. 8—94.26)

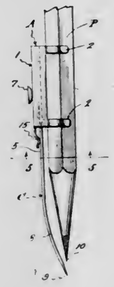
1. A combination chrome tannage for hides, comprising the steps of treating a sulphur dioxide reduced dichromate tanning liquor with an organic acid selected from the group consisting of oxalic, formic and acetic acids and mixtures thereof, in a total molecular proportion of one-sixth to one-third of the dichromate to a pH value between approximately 2.8 and 3.0, and then applying the resulting liquor to the hides to be tanned, whereupon the liquor plumps the hides and penetrates the fiber structure and lumens of the hides, preliminary to the tanning action thereof.

2,382,205
BROOM DUSTER
Paul B. Coats, Chicago, Ill.
Application July 22, 1943, Serial No. 495,969
1 Claim. (Cl. 15—247)



In duster attachments for brooms, a body portion having one closed and one open end and a slitted side and adapted to enclose a broom head, fasteners for said side, a continuous row of yarn strands extending horizontally about said body portion spaced from said closed end, said strands being folded, stitching securing said strands to said body below their fold points forming loop-shaped upper terminals disposed longitudinally of said body, said loop-shaped terminals standing upwardly and outwardly edgewise to said body portion, rows of yarn strands extending longitudinally of said closed end wholly beneath same, and rows of stitching securing said last named yarn strands at their mid-sections to the closed end of said body portion, said continuous row overlapping said last named rows of strands.

2,382,206
RIDGE COUNTER APPLIANCE
Norman A. Compton, Suitland, Md.
Application September 15, 1943, Serial No. 502,520
7 Claims. (Cl. 120—84)

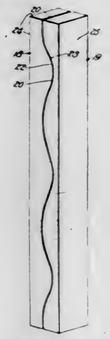


1. The combination with a marking implement such as a pencil, of a body designed to be mounted upon the implement, said body having a guide slot therein which extends longitudinally of the implement when the body is mounted upon the implement, a stylus having a shank portion slidably mounted in the slot, means carried by the shank portion for engagement with a finger of the hand holding the marking implement to effect the reciprocal movement of the stylus with respect to the body and the marking implement, and said stylus being longitudinally curved through a portion of its length to the end remote from the shank, the curvature of the stylus being towards the longitudinal center of the marking implement and of such extent that when the stylus is shifted forwardly to project the point of the stylus beyond the marking point of the implement, the point of the stylus will assume a position upon the longitudinal center of the marking implement beyond the point of the latter.

2,382,207
FURFURAL STABILIZER
Rock L. Comstock and Howard F. Reeves, Jr., Weeks, La., assignors to Bay Chemical Company, Inc., New Orleans, La., a corporation of Louisiana
No Drawing. Application May 31, 1940, Serial No. 338,274
8 Claims. (Cl. 260—347)

1. A process of stabilizing normally unstable furfural comprising adding to the furfural a modicum of organic amide to substantially inhibit deterioration.

2,382,208
STRUCTURAL ELEMENT
Philip J. Corbin, Salisbury, Mass.
Application April 9, 1943, Serial No. 482,499
6 Claims. (Cl. 144—309)



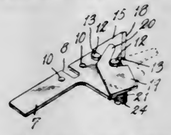
1. The method of forming a generally helical structural element which comprises separating a piece of stock into sections by a plurality of longitudinal sinuous cuts disposed transverse to one another and extending entirely through said piece, and reassembling the sections by joining together faces thereof of corresponding size and shape and constituting parts of the faces of the original piece.

2,382,209
BUFFING RASP AND METHOD OF MAKING SAME
Luther A. Crocker, Portland, Oreg.
Application March 14, 1944, Serial No. 526,460
4 Claims. (Cl. 29—78)



1. A buffing rasp consisting of a perforated cylindrical outer band, tacks projecting outwardly through said perforated band with the heads of the tacks engaged in the interior of the band, a coating of chromium covering the exterior of the tacks and filling any voids existing between said tacks and the interior of the perforations and split inner band engaging the head of the tacks.

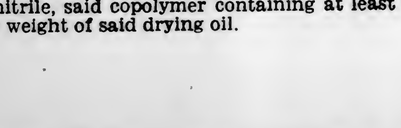
2,382,210
THREAD CUTTER FOR TYING MACHINES
Earl Cummins, Kalamazoo, Mich.
Application June 8, 1944, Serial No. 539,392
6 Claims. (Cl. 164—58)



1. In a cutter of the class described, the combination of a blade holder comprising a plate-like body member having laterally spaced studs thereon, a flat blade having an inclined cutting edge superimposed on said body, said blade having notches extending from opposite edges thereof receiving said studs and providing a shank extending laterally behind one of the studs and in thrust engagment therewith to sustain tilting thrust on said blade, a plate-like clamping member provided with an inclined finger extending between said studs in overlapping clamping relation to said blade, said clamping member having a pin thereon disposed through said body member, and a coiled spring arranged on said pin with its inner end in engagement with the under side of the body member, said pin being provided with a removable thrust member for the outer end of said spring.

2,382,211
REACTION PRODUCTS OF ALDEHYDES AND DIAZINE DERIVATIVES
Gaetano F. D'Alelio and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 14, 1942, Serial No. 450,916
20 Claims (Cl. 260—42)

1. A composition of matter comprising the reaction product of ingredients comprising an aldehyde and a compound corresponding to the general formula



where n represents an integer and is at least 1 and not more than 2, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon and halo-hydrocarbon radicals, and R′ represents a member of the class consisting of monovalent aliphatic hydrocarbon radicals and monovalent aromatic and nuclearly halogenated aromatic hydrocarbon radicals.

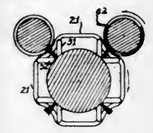
2,382,212
LINOLEUM COMPOSITIONS
Lawrence H. Dunlap, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application March 21, 1942, Serial No. 435,715
7 Claims. (Cl. 260—23)

2. A linoleum composition comprising filler particles; a binder therefor including a copolymer of drying oil free of conjugated double bonds, which oil has been oxidized, and a vinyl compound selected from the group consisting of styrene and acrylonitrile, said copolymer containing between 85% to 95% by weight of said oil; and an acid catalyst for polymerization of said oil; said binder being characterized by exceptional resistance to attack by alkali when compared with a linseed oil-rosin type linoleum cement.

2,382,213
COPOLYMERIZATION OF DRYING OILS AND VINYL COMPOUNDS
Lawrence H. Dunlap, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application March 21, 1942, Serial No. 435,716
18 Claims. (Cl. 260—23)

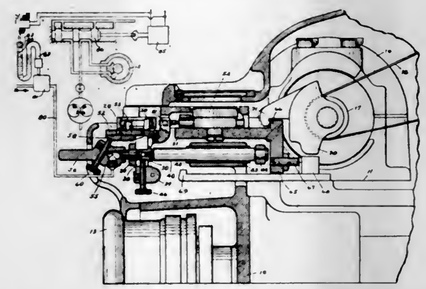
17. A toluene-insoluble copolymer of a drying oil free of conjugated double bonds, which oil has been oxidized, and a vinyl compound selected from the group consisting of styrene and acrylonitrile, said copolymer containing at least 75% by weight of said drying oil.

2,382,214
CLEARER FOR ROVING OR SPINNING FRAMES
William J. Dunleavy, East Douglas, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application October 14, 1944, Serial No. 558,657
2 Claims. (Cl. 19—140)



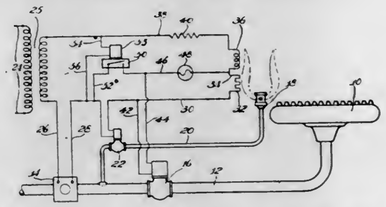
1. Clearer mechanism for drawing rolls comprising a clearer roll having angularly spaced depressed wiping portions and intervening raised portions, and intermittently-operated means to angularly advance said clearer roll to effect engagement of raised portions of said roll with the drawing rolls for further angular advance of said clearer roll thereby, and said latter means comprising spaced pins on said clearer roll and a driving lug on one of the drawing rolls which engages successive pins on said clearer roll on successive revolutions of said drawing roll, said pins being disposed in two oppositely inclined sets and said driving lug being axially positioned to engage one set only of said pins in the clearer roll in a given end-for-end position of said roll.

2,382,215
SIZE CONTROL MECHANISM
Robert S. Elberty, Jr., Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application August 12, 1941, Serial No. 406,560
3 Claims. (Cl. 51—165)



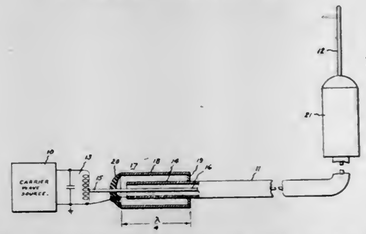
1. In a grinding machine, a grinding wheel support, a grinding wheel rotatably mounted thereon, a work support, mechanism for effecting a relative feeding movement between said supports, a size control mechanism having cooperating elements, one of which is held in a fixed position during a grinding operation, the other of which moves with said feeding movement, means responsive to the relative movement between said elements for controlling said feeding mechanism, a pivoted member for supporting one of said cooperating elements, a caliper member forming a part of said pivoted member, said pivotally mounted element being operable in the absence of a work piece on said caliper for engaging the other size control element for adjusting same by an amount corresponding to the wear of the grinding wheel during the previous grinding operation, and an adjustable stop on said pivotally mounted member for determining the extent of said adjustment.

2,382,216
SAFETY CONTROL FOR GASEOUS FUEL BURNERS
Samuel G. Eskin and Charles K. Strobel, Pittsburgh, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application September 24, 1941, Serial No. 412,150
9 Claims. (Cl. 158—117.1)



1. In an electrical ignition system for fuel burners having main and pilot burners and means for supplying fuel thereto, an electric igniter for the pilot burner, separate electrically operable means energizable for actuation to a position for admitting fuel to the main and pilot burners when current of sufficient value is supplied to said fuel admitting means, an energizing circuit including said igniter and fuel admitting means, control means electrically connected to said fuel admitting means for preventing the same from receiving current of said value for a predetermined period following energization of said igniter, said control means including an initially closed switch which opens after a time-delay period following energization of said control means and resets for such delay period substantially instantaneously upon deenergization of said control means, and a thermal resistance element electrically connected to said main burner fuel admitting means and located to be heated by a flame at the pilot burner, said element being adapted to prevent said main burner fuel admitting means from receiving current of said value for actuation thereof until said element is heated by said flame.

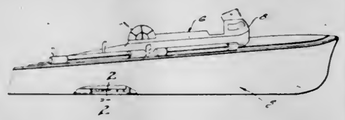
2,382,217
CONCENTRIC TRANSMISSION LINE TERMINATION
Henry B. Fancher, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 16, 1943, Serial No. 479,347
4 Claims. (Cl. 178—44)



1. In a concentric transmission line for high frequency oscillations having inner and outer conductors, means for supporting said conductors in spaced relation at an end of said line comprising, a substantially inflexible tubular conductive sheath surrounding said outer conductor and having its end remote from the end of said line rigidly attached and conductively connected to

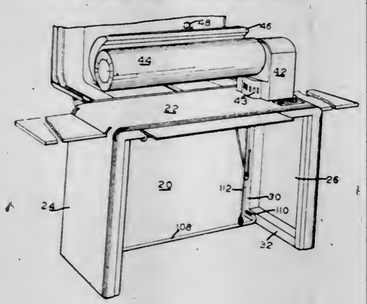
said outer conductor, said sheath throughout its length having an inner diameter substantially larger than the outer diameter of said outer conductor and forming with said outer conductor a section of concentric transmission line short-circuited at one of its ends by said conductive connection, and solid dielectric means supporting said inner conductor in coaxial relationship with said sheath at its other end.

2,382,218
OUTBOARD MARINE HEAT EXCHANGER
Robert W. Fernstrum, Detroit, Mich.
Application September 18, 1943, Serial No. 502,859
14 Claims. (Cl. 115—0.5)



1. In combination with a marine hull structure having a keel line, a heat exchanger extending longitudinally of said keel line, said heat exchanger comprising spaced headers secured to the hull and a plurality of flat heat conduction tubes rectangular in cross-section connecting and in communication with said headers said conduction tubes being located within the confines of said spaced headers.

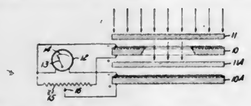
2,382,219
DOMESTIC APPLIANCE
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 23, 1939, Serial No. 291,579
4 Claims. (Cl. 38—14)



1. An ironing machine including a supporting means, a roll, a shoe for said roll, a supporting head for supporting said roll over said supporting means, said supporting head containing driving means for said roll and fan means for discharging air in the vicinity of ironed articles leaving the roll.

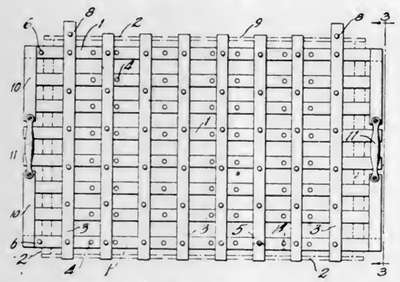
2,382,220
PHOTOCELL AND FILTER COMBINATION
Marlin E. Fogle, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application April 16, 1942, Serial No. 439,282
7 Claims. (Cl. 88—23)

5. A photometric device for measuring radiations within a desired region of the spectrum, said device comprising an upper photocell and associated light filter, a lower photocell extending beyond the upper cell and having an associated light filter, said cells and filter arranged in superposed and alternate sequence, whereby radiations



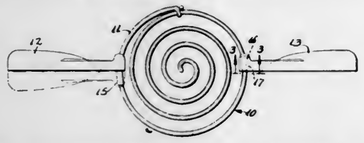
which strike the lower cell pass through both light filters in series, a measuring instrument, and a circuit connecting the photocells to the instrument in opposed relation.

2,382,221
PLANTING SPACER FOR FLATS
Albert T. Groth, Oshkosh, Wis.
Application May 20, 1943, Serial No. 487,697
2 Claims. (Cl. 47—37)



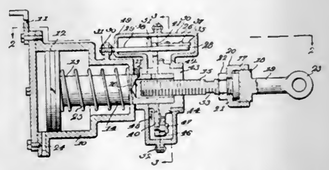
1. A plant marker for flats comprising a unitary lattice frame shaped to rest horizontally on the rim edges of a plant flat and having a series of parallel uniformly laterally spaced bars overlaid crosswise by a second series of parallel uniformly laterally spaced bars, each bar of one series of said bars having thereon a series of upstanding dibble pins and each bar of the other series of said bars having thereon a series of depending dibble pins, the pins on each bar being spaced along the bar to conform with the spacing of such bars from each other, and each series of bars being spaced differently than the other series.

2,382,222
FOOD SEPARATING UTENSIL
Elizabeth B. Havas, Jackson Heights, N. Y.
Application March 24, 1944, Serial No. 527,893
4 Claims. (Cl. 146—2)



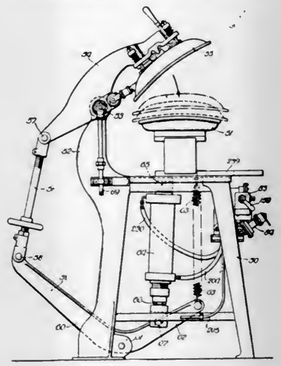
1. A strainer comprising a straining basket having a top horizontal wire coil circular in cross section throughout the major portion of its length and having a short portion at a zone thereon having a plurality of sides, and a handle having a passage through which said coil freely extends, said handle being thereby adapted for movement along said coil, said passage being of similar shape in cross section to the cross sectional shape of said portion whereby when said handle is moved to dispose said portion in said passage, said portion holds said handle against vertical rotation about the axis of said passage, and when said handle is disposed with a portion of said coil circular in cross section in said passage, said handle is free to be rotated about said axis of said passage whereby said handle may be rotated into said basket.

2,382,223
BRAKE EQUALIZER
James A. Hicks, Atlanta, Ga.; Robert L. Holbrook, administrator of said James A. Hicks, deceased, assignor to A. L. Belle Isle
Application December 6, 1943, Serial No. 513,205
9 Claims. (Cl. 188—202)



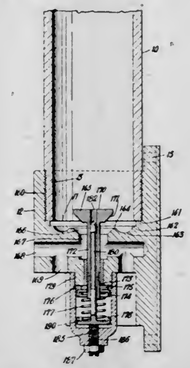
1. An equalizing device of the class described including a cylinder, a reciprocating member in said cylinder, yieldable means to maintain the reciprocating member normally in its inoperative position, an adjustable element connected to the reciprocating member and movable axially relative thereto, a fixed plate having a pair of spaced oppositely disposed cams, means for adjusting one of the cams longitudinally relative to the other cam, an actuator revolubly mounted on the reciprocating member and operatively associated with the spaced cams, and means operatively connecting the actuator to the adjustable element whereby upon the reciprocating member being moved beyond a predetermined distance automatically to rotate said actuator and impart a concomitant axial movement to the adjustable element relative to the reciprocating member.

2,382,224
FLUID PRESSURE CONTROL UNIT FOR LAUNDRY MACHINES AND THE LIKE
James A. Hicks, deceased, late of Atlanta, Ga., by Robert L. Holbrook, administrator, Atlanta, Ga., assignor to A. L. Belle Isle
Application December 6, 1943, Serial No. 513,207
18 Claims. (Cl. 38—40)



1. In combination with an operable member alternately movable from release to applied positions, a fluid pressure motor connected to said member for actuating the same, a control unit for supplying fluid pressure to the motor, said control unit including a housing for receiving the fluid pressure, means communicating the housing with the motor, a main slide valve in said housing for controlling the supply of the fluid pressure through the communicating means, spaced pistons for actuating the slide valve, one of said pistons constituting an application piston and the other a release piston, said slide valve upon the initial introduction of the pressure into the housing being positioned to effect the flow of the pressure from the housing to the motor to move the operable member to its release position, means communicating the application piston with the pressure supply to move the slide valve and operable member to their applied positions, a pair of spaced auxiliary valves for controlling the flow of the pressure to the application piston, means upon the simultaneous actuation of the auxiliary valves for conducting the pressure to the application piston so as to actuate the slide valve and move the operable member to its applied position, governor means communicating with the housing for automatically returning the main slide valve and the operable member to their release position at the expiration of a predetermined interval, and manually controlled means for returning the operable member to its release position at any time before the expiration of the predetermined period.

2,382,225
ORDNANCE
Robert J. Hochstetler, Westport, Conn., assignor to Amalgamated Ordnance & Ammunition Machinery Company, New York, N. Y., a proprietary company of New York
Application December 8, 1942, Serial No. 468,182
4 Claims. (Cl. 89—1)

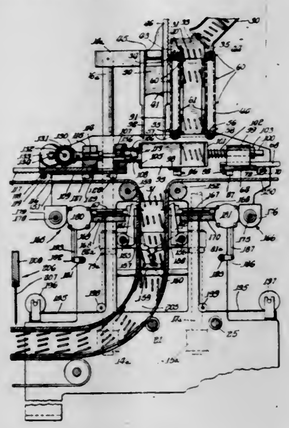


4. In a muzzle-loading gun in combination a firing pin seated in the breech end of said gun and projecting upwardly therefrom toward the muzzle of the barrel, a tubular valve member slidably mounted for axial movement on said pin, a gas port in the breech adapted to be closed by said valve, means for holding said valve open and above the upper end of the firing pin.

2,382,226
APPARATUS FOR MAKING MATTRESSES, CUSHIONS, AND THE LIKE
Frederick G. Hodges, Jr., Washington, D. C.
Application December 31, 1942, Serial No. 470,892
23 Claims. (Cl. 45—138)

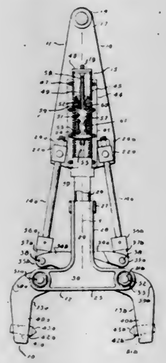
10. In apparatus for progressively and automatically producing spring units, means for delivering continuous strips of padding for the top and bottom of the units, a plurality of lines of feeding devices for springs, a shuttle for each line

of springs, said shuttles picking up said springs and carrying them into position between the strips of padding, a continuously reciprocating means for actuating said shuttles, means operating during a part only of the stroke of said reciprocat-



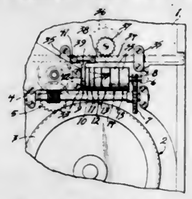
ing means for advancing the previously completed portions of the spring units a predetermined extent, and stapling means operating during the idle period of said advancing means for advancing staples for joining the springs to each other and to the padding.

2,382,227
AUTOMATIC INGOT TONGS
James Hutson Hopkins and Edgar Homer Kendall, Alliance, Ohio
Application October 23, 1943, Serial No. 507,400
2 Claims. (Cl. 294—110)



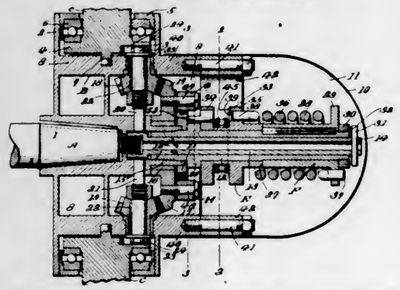
1. In automatic tongs and the like, upper head means, lower tong lever mounting means, tong levers pivotally mounted on the mounting means, tong lever suspension and actuating rods operatively connecting the tong levers with the upper head means, and push and pull actuated cyclically engaging and releasing latch and catch means operative between the upper head means and the lower tong lever mounting means and controlling the positions of the tong levers, and each rod having a lower pivotal connection with one of the levers and an upper slidable and pivotal connection with the head means.

2,382,228
CENTRIFUGALLY CONTROLLED GOVERNOR DEVICE
Albert S. Howell, Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1943, Serial No. 486,183
6 Claims. (Cl. 188—185)



1. In a device of the character described, the combination with a rotatable driven shaft, of a plurality of centrifugal governors of different control characteristics carried by said shaft in coaxial relation and arranged in progression therealong and comprising radially expansible centrifugally controlled friction elements connected with said shaft for rotation thereby and cooperating friction elements respectively engageable by said first mentioned friction elements and individually rotatable coaxially therewith, said cooperating elements being provided with radially facing internal surfaces of revolution for engagement with said first mentioned friction elements and with radially facing external surfaces of revolution, and control means frictionally engageable with said external surfaces to oppose rotation of said cooperating friction elements and shiftable longitudinally of said shaft to selectively engage said external surfaces.

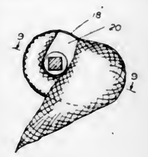
2,382,229
CONTROLLABLE PITCH PROPELLER
Ira B. Humphreys, Denver, Colo.
Application June 19, 1940, Serial No. 341,384
11 Claims. (Cl. 170—162)



1. In a device of the character described the combination comprising, a driven rotary propeller shaft having attached thereto for rotation therewith a plurality of propeller blades, said blades being mounted for rotation about their longitudinal axes to vary their pitch, power storage means operatively connected to said blades for rotating them and altering their pitch, means operable by the centrifugal force of said rotary drive shaft for storing power in said power storage means, said last named means operating to store power in said power means upon speeding the rotation of said propeller shaft above a predetermined minimum speed of rotation, said connection between the power means and the propeller blades operating to progressively rotate and progressively change the pitch of said propeller

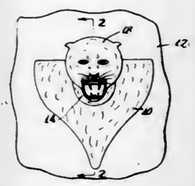
blades upon repeated accelerations and de-accelerations of said propeller shaft, between the power means and said blades being a one-way drive connection which operates to rotate said blades only when said power means is dispensing its stored power.

2,382,230
TAKE-UP FOR TWIST LACE MACHINES
Albert Edward Hunter, Wollaton, England, assignor to Byard Manufacturing Company, Limited, Nottingham, England
Application January 5, 1944, Serial No. 517,030
In Great Britain November 19, 1942
7 Claims. (Cl. 87—31)



6. In a twist lace machine, a substantially disk-shaped rotatable fabric take-up member having a rim the various portions of which are at different distances from the axis about which said member rotates, the periphery of said take-up member being displaced from said axis of rotation by different amounts at different positions across the breadth of said member.

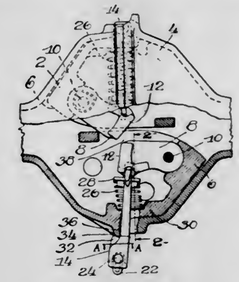
2,382,231
ANIMAL TROPHY CUTOUT
Jack Katz and Alfonso Alfano, New York, N. Y.
Application April 26, 1944, Serial No. 532,910
5 Claims. (Cl. 41—10)



1. An animal trophy cutout, comprising a flat body piece for pasting on a flat wall, a tubular-like sheet neck piece for connection with said body piece, and a flat head piece for connection with said neck piece, said neck piece being connected with the body piece with lugs, said head piece being pivotally connected with the neck piece by a single bottom lug, and said head piece having lugs frictionally engaging through slots formed in the sides of said neck piece.

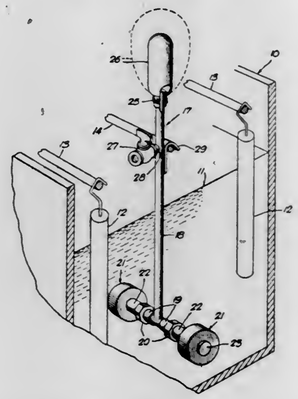
2,382,232
COUPLER
Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 18, 1943, Serial No. 506,644
20 Claims. (Cl. 213—104)

1. In an automatic car coupling, mating coupler heads each having locks arranged to pivot in a horizontal plane and adapted to engage each other, an unlocking arm for each lock having a portion projecting through the side wall of the supporting coupler head, and a compression spring associated with each arm, and operable to move said arm and the associated lock to locking position upon release of said arm from lockset each of said arms having angularly spaced lockset shoulders adapted selectively to engage means on



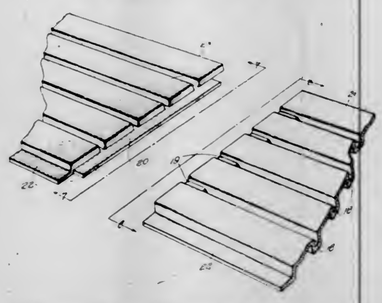
said respective heads, positioning of either of said arms on certain of said lockset shoulders being effective to maintain said lockset upon parting of said coupling, and positioning of said arm upon the other of said lockset shoulders causing said lockset to be released upon parting of said coupling.

2,382,233
ARTICLE SUPPORTING DEVICE
Ray C. Kivley, Oak Park, and Albert Pearson, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 2, 1942, Serial No. 449,470
1 Claim. (Cl. 204—297)



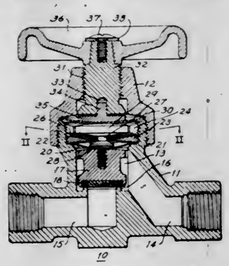
An electroplating apparatus for hollow rigid articles to be electroplated exteriorly in an electroplating bath comprising a pipe-like frame, a plurality of screw-threaded coupling members at its lower end for connection to screw-threaded portions of said articles, the interiors of said articles communicating with the interior of said frame, a cathode bus bar, means on said frame to freely suspend the same on said cathode bus bar and thereby suspend the articles in said bath, and an inflatable member connected to and communicating with the interior of said pipe-like frame for maintaining a higher than atmospheric pressure in the interiors of said articles to exclude the bath therefrom.

2,382,234
BUILDING SIDING MATERIAL
Henry C. Koch, Chicago, Ill., assignor to Manufacturers Specialty Company, a corporation of Delaware
Application July 8, 1943, Serial No. 493,840
8 Claims. (Cl. 20—5)



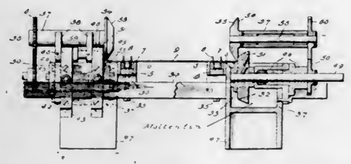
1. A building siding panel of rectangular shape and having ribs on one face thereof and ship-lap-joint-forming flanges on certain of the edges thereof which are disposed at an angle to each other, said panel adapted to seat flatwise at all of its flanges and at its ribs against a wall surface to which the panel is applied by reason of all of said flanges and ribs having their wall-contacting sides in one plane.

2,382,235
VALVE STRUCTURE
Harry H. Lamar, Wilkinsburg, Pa.
Application August 12, 1943, Serial No. 498,315
10 Claims. (Cl. 251—31)



1. In a valve structure for controlling the flow of fluids, in combination, a valve case provided with a valve chamber and having a plurality of openings leading from the valve chamber to provide a passageway through the valve casing, a valve seat disposed in the valve chamber, a valve head movably disposed in the valve casing in alignment with the valve seat, a spring disposed to bias the valve head upwardly away from the valve seat, a perforated diaphragm, the edge of the diaphragm defining the perforation being clamped to the valve head, means for establishing engagement between the periphery of the perforated diaphragm and the valve casing, the perforated diaphragm presenting a surface area next to the valve head and exposed to the pressure of fluids in the valve when it is closed to cooperate with the spring in actuating the valve head upwardly, means for actuating the valve head downwardly and an unperforated diaphragm disposed in the casing between the actuating means and the valve head to provide a sealed chamber between the diaphragms.

2,382,236
APPARATUS FOR TINNING MARGINS OF BLACK IRON CAN BODY BLANKS
Ed Laxo, Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 19, 1944, Serial No. 541,086
10 Claims. (Cl. 91—12.2)

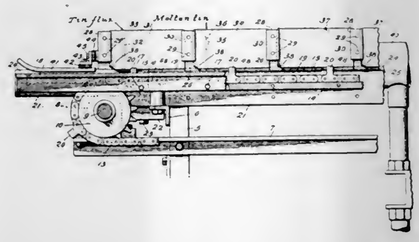


10. In apparatus of the character described, can body blank supporting means including two longitudinal parallel spaced support rails, means for conveying blanks over said rails in processional order with marginal edge portions thereof extended laterally beyond said rails, two transverse sets of parallel spaced support members rigidly attached to said rails, a reservoir for flux and an applicator roll set at each end between one set of said transverse support members, said roll sets being adapted to distribute flux from said reservoirs to upper and lower surfaces of the laterally extended blank marginal edge portions, and a reservoir for molten tin and an applicator roll set at each end between the other set of said transverse support members, said last mentioned roll sets being adapted to distribute molten tin from said last mentioned reservoirs to the previously fluxed upper and lower surfaces of the laterally extended blank marginal edge portions, each said roll set including a lower roll adapted to have its lower portion immersed in flux or molten tin in the respective reservoir and an upper roll disposed to rest by gravity on said lower roll when no can body blank is passing between the rolls of the set and to be lifted by each passing blank as it moves in flux or molten tin receiving contact between the rolls of said set, and the lower roll of each said applicator roll set having a flange thereon which acts as an edge guide for the travelling can body blanks and also as a means adapted for picking up flux or molten tin from the respective reservoir and applying it to the cooperating upper roll to be in turn applied thereby to the underlying upper marginal edge portions of the travelling blanks, and each said flange merging through a well rounded shoulder surface into an inwardly tapered extension adapted to assure smooth flowing of flux or molten tin picked up from the respective reservoir by said extension onto said guide and applicator flange.

2,382,237
APPARATUS FOR TINNING MARGINS OF BLACK IRON CAN BODY BLANKS
Ed Laxo, Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 19, 1944, Serial No. 541,087
16 Claims. (Cl. 91—12.2)

16. In apparatus of the character described, a can body blank supporting bed comprising a flat table having a depressed rail extending along each lateral edge thereof, means for conveying blanks over the bed in processional order with marginal edge portions thereof extended laterally beyond the supporting means and including conveyor chain flights movable over said rails, hold-down means disposed longitudinally over the bed and

effective to prevent upward buckling of blanks being conveyed over the bed, a lower blank edge supporting and applicator bar extending along each side of said bed in position for engaging under the laterally extended edge portions of the blanks conveyed thereover, a laterally aligned set of upper flux applicator bars disposed over the lower bars in position for engaging in pressure contact over blank edge portions being conveyed over the lower bars, means for directing flux be-



tween the upper and lower bars to be applied to the blank edge portions engaging in drag contact therewith, a laterally aligned set of upper molten tin applicator bars disposed over the lower bars in position for engaging in pressure contact over previously fluxed blank edge portions being conveyed over said lower bars, and means for directing molten tin between the tin applicator bars and the underlying portions of the lower bars to be applied to the previously fluxed blank edge portions engaging in drag contact therewith.

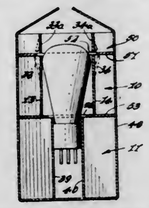
2,382,238
SYNTHETIC PLASTICS AND FILMS AND PROCESS OF PRODUCING THEM
Walter Laufenberg, Berlin - Lankwitz, Erich Maslanka, Birkenwerder, near Berlin, and Helmut Weissenburger, Berlin-Tempelhof, Germany, assignors, by mesne assignments, to The Licoro Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 23, 1941, Serial No. 399,394. In Germany December 23, 1939
5 Claims. (Cl. 260—14)

1. The process of preparing synthetic plastics, films and the like which after drying are insoluble in organic solvents at room temperatures, comprising condensing from about 0.5 to 1.2 moles of an aliphatic polyamine having a primary amine group, and from about 1.5 to 3.14 moles of an aldehyde with 1 mole of a phenol to the point at which the condensation product is still soluble in organic solvents, mixing the resulting resin with a nitrocellulose varnish and promptly applying the mixture to a base to be coated.

2,382,239
CONVERSION OF HYDROCARBON OIL
Edward C. Lee, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,567
19 Claims. (Cl. 196—52)

12. A process for the production of gasoline from hydrocarbon oils heavier than gasoline which comprises cracking the oil in the presence of a calcined composite of a precipitated silica gel containing deposited hydrated zirconia.

2,382,240
CARTON
I. Lawrence Lesavoy, Allentown, Pa., and Irving Brecher, New York, N. Y.
Application April 25, 1944, Serial No. 532,582
4 Claims. (Cl. 229—15)



1. In a container of the class described, an outer casing and at least two retainer units disposed within the casing, each of said units comprising at least two spaced bendable walls and supporting means for said walls, said units being disposed one above the other with the said walls extending in the same general direction, the spaces between said walls forming a continuous passageway, and walled limiting means disposed between said units, the distance between opposite portions of said walled limiting means being greater than the distance between the said walls in either of said units.

2,382,241
PRODUCTION OF NITROPARAFFINS
Norman Levy, Norton Hall, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 2, 1940, Serial No. 316,980. In Great Britain March 28, 1939
2 Claims. (Cl. 260—644)

1. A method of producing nitroparaffins which comprises reacting in vapor phase dry nitrogen peroxide and at least one paraffin by passing the mixed gases thru a drier to a converter packed with fragments of a catalyst selected from the group consisting of the compounds of arsenic and antimony, said catalyst being maintained at a temperature of at least 100° C. and cooling the issuing gases to condense the nitroparaffins therefrom.

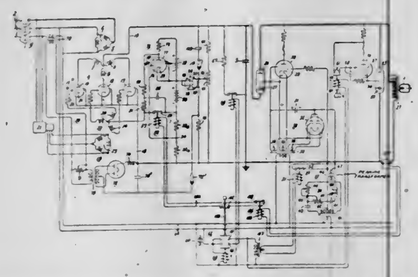
2,382,242
FOOD COMPOSITION
Carl W. Lindow and Joseph J. Thompson, Battle Creek, Mich., assignors to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
No Drawing. Application July 8, 1943, Serial No. 493,838
22 Claims. (Cl. 99—163)

1. The method of stabilizing a glyceride oil containing food composition against oxidative deterioration which comprises incorporating therewith a relatively small proportion of an agent selected from the group consisting of hops and a water and alcohol soluble extract of hops.

2,382,243
ELECTRIC VALVE SYSTEM
Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1942, Serial No. 437,214
22 Claims. (Cl. 320—1)

1. In combination, a supply circuit, a capacitance, electric valve means connected between

said supply circuit and said capacitance and having a control member for controlling the conductivity thereof, means responsive to the current conducted by said electric valve means and



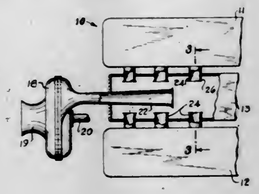
connected to said control member for charging said capacitance at a constant rate, and means for controlling the last mentioned means to charge said capacitance to a predetermined voltage.

2,382,244

INTAKE MANIFOLD ARRANGEMENT

Wilton G. Lundquist, Hohokus, and Elden H. Olson, Paterson, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application January 29, 1944, Serial No. 520,348
11 Claims. (Cl. 123—52)



1. In an induction system for an internal combustion engine having a pair of in-line rows of cylinders disposed in side-by-side relation with a space therebetween, a manifold chamber within said space, and an intake pipe for each of the cylinders and extending therefrom into said manifold chamber, said chamber having a cross-sectional area sufficiently larger than that of the individual intake pipes in order that the pressure remains substantially uniform throughout said chamber.

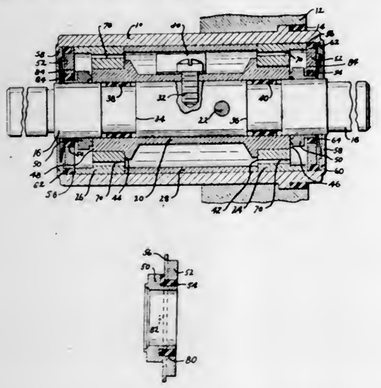
2,382,245

METHOD OF MANUFACTURING SHAFT SEAL ASSEMBLIES

Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application December 30, 1942, Serial No. 470,571
3 Claims. (Cl. 29—148)

1. The method of manufacturing a shaft seal assembly including a pair of elements joined together by a yieldable connection and each element having a surface normally disposed in a definite relationship to a surface on the other element which comprises forming a blank having sufficient material for both of said elements, said blank being formed with a substantially circular groove intermediate portions of said material for said elements, filling said groove with a yieldable material, machining said surfaces, and thereafter making a radial cut in said blank so as to sever said blank intermediate the sides



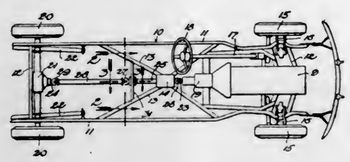
of said groove to form a pair of elements joined together by the yieldable material.

2,382,246

MOTOR VEHICLE

Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application March 27, 1942, Serial No. 436,479
8 Claims. (Cl. 180—70)



2. In a vehicle, a frame having transversely spaced members, a sectional propeller shaft extending longitudinally of the frame, a carrier member extending transversely of the frame between the spaced members and having apertured side portions parallel to the adjacent frame members, a bearing for one of the sections of the propeller shaft flexibly mounted on the carrier member, rubber insulators projecting inwardly from the frame members having peripheral surfaces of greater length than the thickness of the carrier member extending through the apertures in the sides of the carrier member, the peripheral end portions of the insulators extending radially beyond the apertures in the sides of the carrier member, and means securing the insulators to the frame members under low compression.

2,382,247

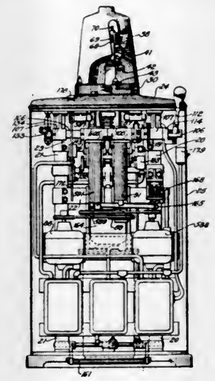
HEEL TREATING

Kenneth W. Macdonald, Watertown, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application November 12, 1940, Serial No. 365,320
52 Claims. (Cl. 12—42)

1. In a heel attaching machine, the combination comprising, a frame, a drill and a driver mounted on said frame, a clamp for holding a shoe and heel together swingably mounted on said frame, means normally urging said clamp

in shoe holding position, and means for successively alining a shoe and heel held by said clamp



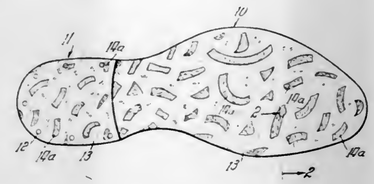
in operative relation with respect to said drill and driver.

2,382,248

COMPOSITE RUBBER AND FIBROUS MATERIAL AND METHOD OF MAKING SAME

Claude Dodds Mason, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana

Application September 11, 1942, Serial No. 457,948
2 Claims. (Cl. 260—748)



1. The method of making a composite material which comprises, milling together scraps of leather of substantial extent and rubber stock in a cracking mill whereby the said scraps are torn and reduced in size to lengths varying from about ⅛ inch to not greatly in excess of one inch and also distributively admixed with the rubber to form a master batch, milling the master batch together with additional rubber stock and rubber compounding agents, sheeting out the milled product, and vulcanizing the same.

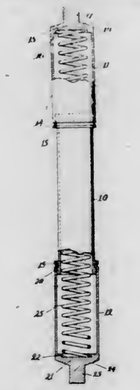
2,382,249

SPRING BAR

David Megar, New York, N. Y.

Application August 14, 1943, Serial No. 498,718
2 Claims. (Cl. 24—265)

1. A spring bar connection comprising an elongated tubular body having cylindrical bearing surfaces at each end of greater diameter than the intermediate portion of the body and providing annular stop shoulders adjacent said ends, tubular trunnions slidably mounted on the bearing surfaces at opposite ends of the body and having their inner ends reduced in diameter to slidably engage the body between said end bearing surfaces, and a compression spring mounted within the body and trunnions and normally



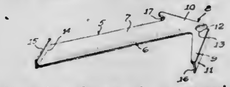
urging the reduced ends of the trunnions toward opposite ends of the body.

2,382,250

MACHINIST'S GAUGE AND MITER MEASURING DEVICE

Felix R. Newell, Detroit, Mich.

Application March 29, 1943, Serial No. 480,915
1 Claim. (Cl. 33—96)



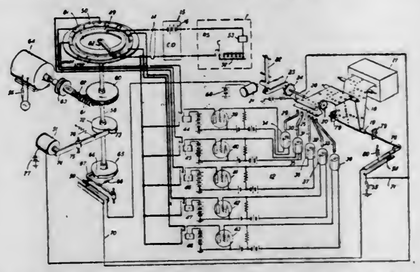
A measuring implement, comprising an elongated flat body portion providing a straight edge, a spear-head end formed on said body portion and offset therefrom so that the straight edge will intersect the vertices of said spear-head, said flat body portion and spear-headed end being formed from a single blank of material and stamped to provide downwardly depending flanges formed on the spear-head arranged at right angles to one another and at acute angles to the body portion, said downwardly depending flanges being slightly separated at the apex of the spear-head to permit bending of said downwardly depending flanges into said angular positions.

2,382,251

TELEGRAPH PERFORATOR-TRANSMITTER

Ralzemond D. Parker, Brooklyn, and Allan Weaver, Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 25, 1943, Serial No. 499,936
5 Claims. (Cl. 178—17)



1. An impulse transmitter controlled by a strip having areas thereon opaque to light and other

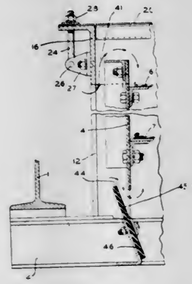
areas transparent or translucent thereto comprising a light source progressively movable over a given range with said strip and also movable with respect thereto, fixed position light sensitive elements, and light conveying means for causing light passing said transparent or translucent areas to impinge upon said elements in all positions of said light source.

2,382,252

MEANS FOR CONTROLLING DUST IN THE SCREENING OF DUST-LADEN MATERIAL

Walter J. Parks, Cleveland Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio

Application December 9, 1941, Serial No. 422,256
6 Claims. (Cl. 209—370)



1. In a screening mechanism, a base, a screen member mounted on said base for reciprocatory movement, an enclosure for said screen member comprising a casing structure surrounding the screen and mounted on said base independently of the screen mounting and spaced from the screen, said casing structure comprising a skeleton frame made up of end uprights projecting from the base and longitudinal members connecting the upper and lower ends of the uprights together, end walls for the casing structure having discharge openings therein, and a cover and bottom wall completing the casing structure, the space between the uprights and longitudinal connecting members at the sides of the casing structure constituting elongated openings, and an outlet on the casing through which suction may be applied.

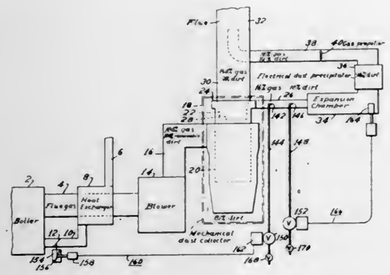
2,382,253

GAS-CLEANING MEANS AND METHOD

Gaylord W. Penney and Russell A. Nielsen, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 3, 1942, Serial No. 467,702
20 Claims. (Cl. 183—7)

1. A gas-cleaning system for a plant discharging flue-gas, comprising a flue-gas conduit means including mechanical dust-collector means for cleaning a substantial prepondering portion of the flue-gas discharged from said plant, said flue-gas conduit means comprising means for concentrating the comparatively finer dust-particles in the flue gas, in a second portion of the flue-gas, which is appreciably smaller than said prepondering portion, said flue-gas conduit means comprising separate gas-passage means in which said second portion of said flue-gas is caused to flow, an electrical dust-precipitator in said separate gas-passage means for removing such finer dust-particles, means for affecting the temperature and humidity of said second portion of the flue-gas before it reaches said electrical dust-precipitator, said gas-cleaning system comprising means responsive to the volume of the discharged gas for controlling the last said temperature and humidity affecting means, said flue-gas conduit means comprising a smokestack for substantially all of said flue-gas.

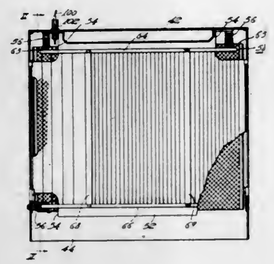


2,382,254

PRECIPITATOR

Gaylord W. Penney and Russell A. Nielsen, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application December 3, 1942, Serial No. 467,702. Divided and this application December 21, 1944, Serial No. 569,192
2 Claims. (Cl. 183—7)



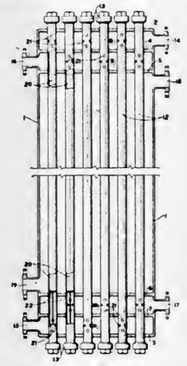
1. An electrical dust-precipitator for cleaning a gas-stream, comprising substantially parallel non-discharging pocket-type electrode-means for opposite sides of the gas-stream, cooperating electrode-means, insulated from said receiving electrode-means, and means for providing substantially the same voltage-drop between said nondischarging electrode-means and cooperating electrode-means, said cooperating electrode-means comprising a plurality of wires for establishing different electrostatic field-conditions with said receiving electrode-means, said wires comprising one or more upstream wires sufficiently spaced from surrounding parts of the dust-precipitator means for providing a relatively intense ionized dust-charging electrostatic field, and a plurality of spaced downstream wires which are, in effect, so constructed and arranged as part of said cooperating electrode-means as to provide an ionized dust-precipitating electrostatic field having different ionizing intensities in the direction of gas-flow.

2,382,255

HEAT EXCHANGE APPARATUS

Robert Pyzel, New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 29, 1941, Serial No. 412,743
1 Claim. (Cl. 257—224)



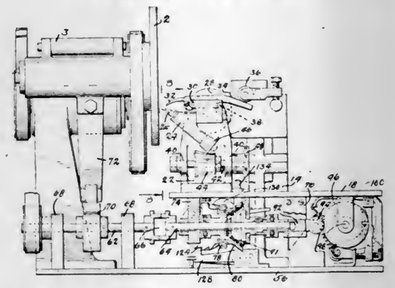
An apparatus of the class described comprising a shell, spaced parallel plates extending across the shell and forming in the end portions of the shell a first inlet compartment, a second inlet compartment, a first outlet compartment and a second outlet compartment, a plurality of tubes extending through the shell and said compartments and having their end portions outside the shell, closure means for the end portions of the tubes outside the shell, perforations in some of said tubes in the portions thereof disposed in said first inlet compartment and in said first outlet compartment, and perforations in others of said tubes in the portions thereof disposed in said second inlet compartment and said second outlet compartment.

2,382,256

DIAMOND CUTTING MACHINE

John W. Radu, New York, N. Y., assignor to Harry Winston, Inc., New York, N. Y., a corporation of New York

Application September 21, 1943, Serial No. 503,223
11 Claims. (Cl. 51—55)



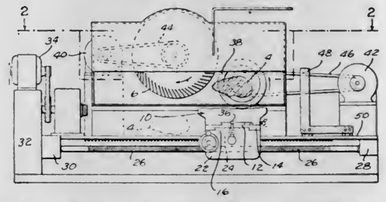
3. A diamond cutting machine comprising in combination a carriage, means for mounting a diamond dop thereon, means for moving the carriage and dop into operative position relatively to a cutting wheel, a sectional drive shaft, a clutch for clutching the two sections of said shaft, a cam shaft driven by said drive shaft, a cam carried by said cam shaft for engaging said clutch, a fixed abutment, and a second cam carried by said cam shaft engaging said abutment to effect retraction of said carriage.

2,382,257

MANUFACTURE OF PIEZOELECTRIC OSCILLATOR BLANKS

Marcus Ramsay, Great Neck, N. Y., assignor of eighteen and three-fourths per cent to Albert Ramsay, eighteen and three-fourths per cent to Eric G. Ramsay, twenty-five per cent to H. Dorsey Spencer, all of New York, N. Y., and eighteen and three-fourths per cent to W. Ford Young, Eugene, Oreg.

Application April 21, 1943, Seral No. 483,906
13 Claims. (Cl. 51—3)



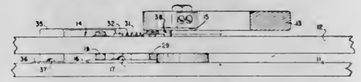
5. Apparatus for use in cutting sections, bars, blanks or wafers from a block of oriented crystal in the manufacture of piezo-electric oscillators which comprises a holder in which said crystal block may be fixed in the desired oriented relation to the plane of the idle movement of the cutting edge of the crystal-cutting saw, said holder having provision for adjustment of said block across the said saw plane without disturbing its oriented relation thereto to permit cutting therefrom pieces of the desired thickness, and means for effecting a relative work feeding movement of said saw and said holder in directions parallel to said plane to effect the cutting of said pieces from said block, and a surface grinder so located in an extension of the path of relative feeding travel of said block and said saw as to engage the face of the block from which a piece has been cut, after the cutting operation has been completed, the abrading face of said surface grinder lying in a plane parallel to the plane of the idle movement of the cutting edge of said saw.

2,382,258

PHONOGRAPH SWITCH

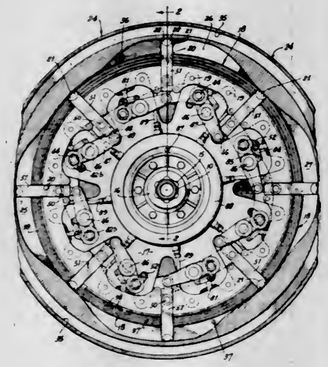
Theodore C. Riebe, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 30, 1943, Serial No. 496,763
2 Claims. (Cl. 200—52)



1. The combination, in a phonograph, of a tone arm with a switch adapted to be actuated in response to certain movements of said tone arm, said switch comprising a switch arm having adjacent the free end thereof a reset cam surface and a catch member, a spring arranged to bias said switch arm toward a certain position, a pivotally mounted catch lever normally biased to engage said switch arm catch member to hold said switch arm in another position, and a switch actuating member carried by said tone arm and arranged when said tone arm is moved in one direction to disengage said catch lever from said catch member thereby to permit said switch arm to be moved to said certain position, and when said tone arm is moved in another direction to engage said switch arm cam surface thereby to move said switch arm catch member into a position to be re-engaged by said catch lever.

2,382,259
ROTARY COMBUSTION ENGINE
Fred H. Rohr, San Diego, Calif.
Application April 16, 1943, Serial No. 483,262
3 Claims. (Cl. 123—16)

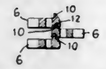


1. In a rotary combustion engine, the combination of a casing, a base located within said casing and connected therewith, a shaft mounted upon said base, a structure secured to said shaft within said casing and rotating with said shaft, the outer wall of said structure being shaped to make with the inner wall of said casing a series of connected chambers forming passageways within said casing outside of said structure, a series of vanes mounted to slide radially upon said structure and encircling the same; and said casing having endless passageways therein at the sides thereof, the walls of which constitute cam grooves conforming to the contour of said inner wall of said casing, pairs of cam rollers mounted upon said structure, one of which rollers of each pair engages with the top and the other of which engages with the bottom of one of said grooves and which are connected to, and operate to reciprocate radially, said vanes upon rotation of said shaft and to maintain constant sweeping contact of the outer ends of said vanes with the inner wall of said casing, inlet means for admitting explosive material within said chambers and means for exploding the same to cause rotation of said shaft, and outlet means for the discharge of the products of combustion.

2,382,260
TREATMENT OF AROMATIC COMPOUNDS
Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 12, 1941, Serial No. 388,261
4 Claims. (Cl. 260—671)

2. A process for treating an aromatic hydrocarbon to produce a substantial yield of aryl alkenes which comprises subjecting from about 2 to about 40 molecular proportions of said aromatic hydrocarbon to the action of 1 molecular proportion of a diolefinic hydrocarbon at a temperature of from about 150° to about 450° C. under a pressure of from substantially atmospheric to approximately 100 atmospheres in the presence of a composite comprising essentially zinc chloride and a carrier.

2,382,261
SLIDE OPERATED FASTENER
George Scher, South Orange, N. J.
Application July 5, 1943, Serial No. 493,562
3 Claims. (Cl. 24—205)

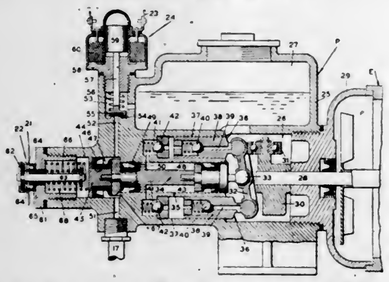


1. A slide fastener element including jaws at its inner end for connecting it with a stringer, a pair of arms extending toward the opposite end of said fastener element and defining a slotted opening for engagement by the slider, said arms being shaped to reduce the width of the slot at the forward ends of the arms, top surfaces on the arms and at substantially the same height on opposite sides of the slot, bottom surfaces on the arms under said top surfaces, a projection on the top surface of each arm, aligned indentations on the bottom surfaces of the arms forming in effect a single indentation that extends on both sides of the slot for engaging the projections of an oppositely disposed fastener member, the projections being spaced and shaped to engage the indentations at points separated by a distance greater than the width of the slot that separates the arms.

2,382,262
METHOD OF TREATING PIPE LINES
Lewis F. Scherer and Joseph A. South, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 18, 1941, Serial No. 419,583
7 Claims. (Cl. 252—173)

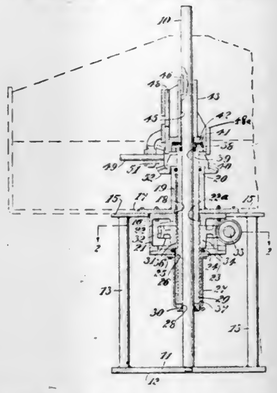
1. A process for treating the interior surface of a pipe line employed for the transportation of petroleum products, to facilitate the removal of any scale deposits therefrom and to reduce scale formation thereon, which comprises introducing into said pipe line, concurrently with a liquid petroleum product, an aqueous suspension of an organic hydrophilic colloid having the property of peptizing hard water boiler scale, the rate of introduction of said organic colloid being less than 10 parts per 100,000,000 parts of liquid introduced into said pipe line concurrently with said colloid.

2,382,263
BRAKING SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 20, 1943, Serial No. 476,520
3 Claims. (Cl. 188—170)



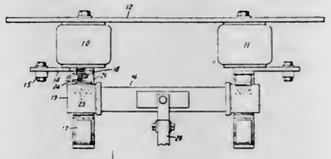
1. In apparatus of the class described, a rotatable driven member, a brake therefor, means comprising a fluid motor for controlling the brake, a pump having an outlet connected to the fluid motor, said pump being of the reciprocating piston type provided with a swash plate actuating means for operating the pump pistons and a driving member for said swash plate, a movable member for varying the relationship between the pivot of the swash plate and its driving member to thereby control the strokes of the pump pistons, means to vary said relationship as the pressure developed thereby approaches a predetermined value, an electrical motor for driving the driven member, a circuit for the motor including two switches, manual means for controlling one switch, means for moving the movable member by fluid pressure developed by the pump to thereby decrease the volume of fluid under pressure pumped by the pistons, and means for opening the other switch by the movable member when a predetermined pressure has been developed by the pump.

2,382,264
DEVICE FOR REGULATING THE HEIGHT OF MASHER ARMS
Robert C. Schock, New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J., a corporation of New Jersey
Application March 2, 1944, Serial No. 524,762
1 Claim. (Cl. 259—135)



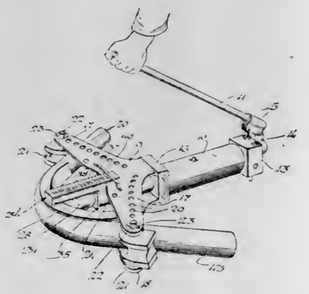
In a device for regulating the height of masher arms of mash machines having a tank, the combination of a rotatable and vertically stationary shaft of the same diameter throughout, an upper sleeve surrounding the upper part of said shaft for supporting the mash arms and keyed to the shaft to permit vertical shifting on the shaft and rotation with the shaft, a lower sleeve surrounding the lower part of the shaft non-rotatable in respect to the shaft and vertically shiftable on the shaft and supporting the upper sleeve, both of said sleeves having bores substantially of the same diameter as the diameter of the shaft, and being vertically unsupported by said shaft, external screwthreads surrounding the lower part of said lower sleeve, a worm gear having a bore with interior screw threads meshing with said external screwthreads and having external peripheral screwthreads, a worm for engaging said peripheral screwthreads, a horizontal stationary wall disposed below the upper sleeve and disposed above the worm gear and worm, the shaft and lower sleeve extending from below the wall to above the same, and means below the wall for supporting said worm gear and worm below and on the lower part of the wall, whereby upon the rotation of the worm the mash arms supported by the upper sleeve are raised or lowered without vertically shifting the shaft.

2,382,265
ELECTRICAL FUSE DEVICE
Carl L. Schuck, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application June 7, 1943, Serial No. 489,895
3 Claims. (Cl. 200—133)



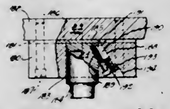
1. In an electric fuse arrangement, a supporting structure having spaced terminals, a fuse device connected between said terminals comprising a frangible casing having end ferrules electrically engaging said terminals, said supporting structure being arranged so that bodily removal of said fuse device is accomplished by first moving said device toward said supporting structure to disengage said ferrules from said terminals, and means on said supporting structure for cushioning each end of said fuse device to prevent breakage of said frangible casing upon movement of said fuse device toward said supporting structure.

2,382,266
GAUGE FOR PIPE BENDING MACHINES
George N. Simonsen, Chicago, Ill.
Application November 5, 1943, Serial No. 509,086
1 Claim. (Cl. 153—38)



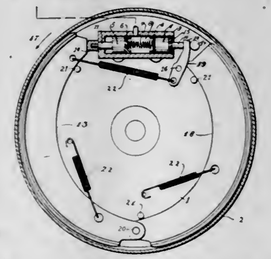
In a gauge for measuring the angle of bend in a pipe being bent in a bending machine having a transversely extending frame member provided with formers at opposite sides of the machine and an intermediate shoe adapted to be forced by power from one side to the other of the line connecting said formers, the combination of a U-bar, a leg carried by one end portion of the U-bar in substantially right-angled relation thereto for connecting the U-bar to the intermediate shoe of such bending machine with the other end portion of the U-bar extending along the face of the frame member between the formers, and means comprising an index and graduations for indicating the extent of movement of the shoe with respect to the formers.

2,382,267
INTERCHANGEABLE PUNCH AND DIE AND RETAINER FOR SAME
Domnic V. Stellin, Bronx, N. Y.
Original application March 6, 1944, Serial No. 525,233, now Patent No. 2,364,401, dated December 5, 1944. Divided and this application June 28, 1944, Serial No. 542,481
8 Claims. (Cl. 164—118)



1. In a punch or die assembly a retainer, a severing member in said retainer and having a portion projecting therefrom, said member having a recess in its lateral wall and inward of said portion, said retainer having a similar recess alined with the first recess, a holding member receivable in both recesses, said severing member and retainer being formed with registering keyways, the keyway in said severing member being formed across the extremity thereof within said retainer and having its bottom in a plane perpendicular to the axis of said severing member, and a key inserted in said keyways.

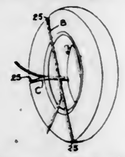
2,382,268
HYDRAULIC BRAKE
William Stelzer, Detroit, Mich.
Application October 15, 1942, Serial No. 462,067
3 Claims. (Cl. 188—152)



1. A brake comprising a revolving member to turn with a wheel, a pair of brake shoes arranged to engage said revolving member during a brake application, a hydraulic actuator cylinder intermediate said brake shoes, hydraulic fluid to operate said actuator, manual means to put said hydraulic fluid under pressure, a pair of opposed pistons in said actuator cylinder, a lever intermediate each shoe and piston and operative in response to the brake torque, said lever being of the two arm type where the brake torque acts against said lever at an intermediate point and is opposed by one of said pistons acting at one end of said lever and by a fixed reaction point at the other end of said lever, and means to render said lever ineffective upon movement of the actuating piston to engage the energizing end of said brake shoes with said revolving member.

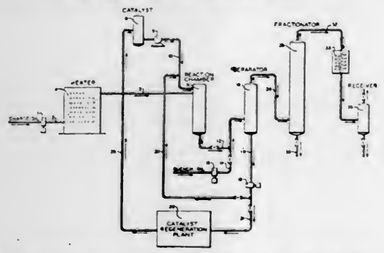
2,382,269
METHOD OF RECAPPING VEHICLE TIRES
Leslie A. Stephens, Hudson, and Iven W. Lederer, Lakewood, Ohio
Application July 19, 1944, Serial No. 545,598
6 Claims. (Cl. 154—14)

1. The method of retreading a worn pneumatic tire by retread vulcanizing in a mold in a manner to preserve any special form to which the tire has grown in service, comprising measuring the width and over-all diameter of the worn tire while under material pressure on a rim, thereby to predetermine its width and its over-all diameter after necessary buffing, selecting a mold having a cavity whose width and over-all diameter are equal to or slightly greater than those of the measured tire after buffing and the application of



camelback of the required thickness, buffing the tire to reduce its girth dimension to closely correspond to that of the cavity of the preselected mold, with due allowance for the camelback, applying the camelback, inserting the tire into the mold cavity, and curing the tire while under pressure in the mold.

2,382,270
CONVERSION OF HYDROCARBON OILS
William M. Stratford, New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 4, 1942, Serial No. 445,701
3 Claims. (Cl. 196—52)

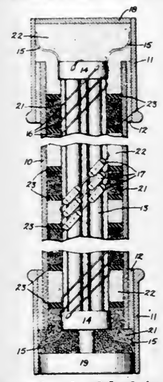


3. A continuous process for the catalytic conversion of hydrocarbons which comprises heating gas oil to a temperature in the range 900 to 1100° F. without substantial cracking, continuously passing a stream of said heated gas oil in vapor phase through a reaction zone at a temperature within the aforesaid range, continuously passing through the reaction zone a highly active solid catalyst in finely divided form, maintaining the catalyst residence time within the reaction zone in the range from a fraction of a second to about 7 seconds, maintaining the hydrocarbon residence time within the reaction zone greater than that of the catalyst but not more than about 1½ to 5 times that of the catalyst, continuously withdrawing reacted and unreacted hydrocarbons from the reaction zone, and continuously withdrawing catalyst from the reaction zone while still in a state of high activity.

2,382,271
CURRENT LIMITING FUSE
Chauncey G. Suits, Schenectady, N. Y., and George F. Lincks, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application October 31, 1942, Serial No. 464,054
7 Claims. (Cl. 200—120)

1. In a fuse of the current limiting type including spaced terminals having an elongated fusible element designed to dissipate throughout substantially the whole of its length interconnecting said terminals, an arc-quenching material surrounding said fusible element, said arc-quenching

material comprising alternate layers of large grain size and small grain size inert nonconducting material so that successive portions of said



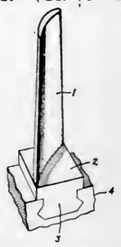
fusible element are embedded in material of different grain size to limit the surge voltage on an associated system due to the current limiting action of said fuse.

2,382,272
SHOE
Eugene Tambini, Milford, Conn.
Application May 25, 1943, Serial No. 488,373
2 Claims. (Cl. 36—30)



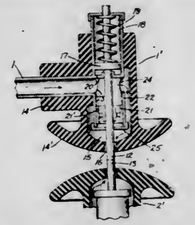
1. In a shoe or slipper having a scrap leather sole formed with a flat passage extending from one side to the other of said sole below the ball of the foot of the wearer and housing a flexible member of a width less than the width of said passage, means for releasably retaining said flexible member in position in said passage, comprising projections formed on one edge of said member and engaging complementary recesses formed in the material of said sole along one side of the flexible member, and leaf springs cut from the opposite edge of said flexible member and bearing against an adjacent wall of said passage urging said flexible member into a position in which said projections engage said recesses.

2,382,273
COPPER BEARING STAINLESS STEEL
Rudolf H. Thielemann, Portland, Oreg., assignor to General Electric Company, a corporation of New York
Application April 28, 1944, Serial No. 533,163
7 Claims. (Cl. 75—125)



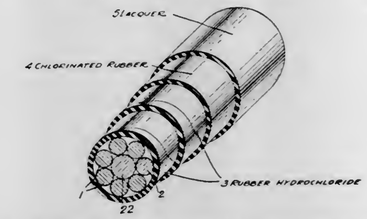
1. An alloy containing about .10 to .20% carbon, about 12 to 14% chromium, about 2.5 to 3.5% tungsten, about .20 to 1.00 manganese, .20 to .80% silicon, about 1.8 to 2.2% nickel, about .5 to 3% copper, with the remainder substantially all iron.

2,382,274
GAS BLAST ELECTRIC CIRCUIT BREAKER
Henry Trencham, Ruislip, England, assignor to General Electric Company, a corporation of New York
Application July 30, 1942, Serial No. 452,832
In Great Britain September 29, 1941
4 Claims. (Cl. 200—148)



1. A gas blast electric circuit breaker comprising relatively movable contacts separable to form an arc gap, means operable prior to any relative separation of said contacts for providing an arc extinguishing gas under pressure adjacent said contacts to interrupt the circuit by a gas blast upon relative separation of said contacts, and valve means directly mounted on the conducting portion of one of said contacts and movable therewith for shutting off the blast adjacent said contacts regardless of the condition of said first mentioned means, whereby assurance is had that the contacts are in normal open circuit position prior to shutting off said blast.

2,382,275
INSULATED ELECTRIC CONDUCTOR
Oswaldus Anthonius Jacobus van Lin, Venlo, and Johannes Hoekstra, Eindhoven, Netherlands; vested in the Alien Property Custodian
Application April 8, 1941, Serial No. 387,508
In the Netherlands April 11, 1940
2 Claims. (Cl. 117—78)

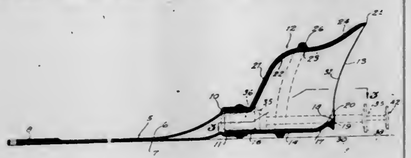


1. An insulated electric cable comprising a conductor, an insulating layer surrounding said conductor and formed mainly of rubber hydrochloride, and an insulating layer covering said first layer and formed mainly of chlorinated rubber containing more than 60% by weight of chlorine.

2,382,276
FEMALE URINAL
Martin Wells, Los Angeles, Calif.
Application September 7, 1942, Serial No. 457,573
8 Claims. (Cl. 4—110)

1. In a female urinal for supine use, the combination of: a receptacle of yieldable material

adapted to lie flat upon the bed, said receptacle comprising upper and lower horizontal walls of readily flexible material and of relatively large area joined at their edges and lying close together when the receptacle is empty, whereby said receptacle will lie flat upon a bed and be substantially devoid of air; stiffening means to make said walls lie substantially flat; a funnel connected to the front end of said receptacle, said funnel being of vertically elongated oval cross section and having a resilient lip forming an oval mouth of such size that the lower part will engage the bodily part below the introitus vaginea and the upper part of said lip will engage above



the meatus urinarius and preferably in the zone of the mons veneris, the side walls of said lip being so formed that they will move outwardly when said funnel is pressed against the bodily parts and thereby separate the labia, the lower part of said lip having an upwardly faced edge to form a squeegee and the side portions of said lip having a pronounced shoulder for sealing engagement with the bodily parts of the user; and expansible closure means applicable to the throat portion of the funnel where it joins the receptacle, said closure means having elongated parts extending to the exterior of the lip of said funnel for actuation of the closure means.

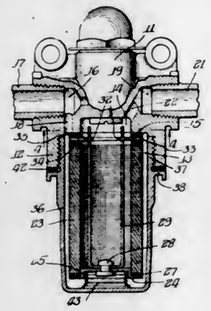
2,382,277
MUNITIONS
John C. Whitesell, Jr., Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 30, 1943, Serial No. 508,294
3 Claims. (Cl. 102—2)



2. A fragmentation bomb casing comprising a tubular member, a spirally-wound fragmentation element surrounding said member, an end member secured to one end of said tubular member and abutting the adjacent end of said fragmentation element, and a second end member of cup-like formation abutting the other end of said fragmentation element, said second end member including a sleeve portion having a threaded connection with the bore of said tubular member and having an outwardly extending flange rigidly and permanently secured within said cup shaped member.

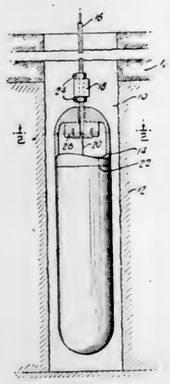
2,382,278
FILTER
Willi Widmann, Detroit, Mich., assignor to Ralph L. Skinner, Detroit, Mich.
Application March 19, 1943, Serial No. 479,730
4 Claims. (Cl. 210—164)

1. In an edge-wise filtration filter-element of known type having a series of registered face-to-face contacting layers of an uneven-surface material substantially unaffected by the fluid to be filtered or by any of its contaminants and unitedly surrounding an internal passage through the series, a closure for one end of such passage, and a member in said passage and secured to said closure, the novel improvement being that



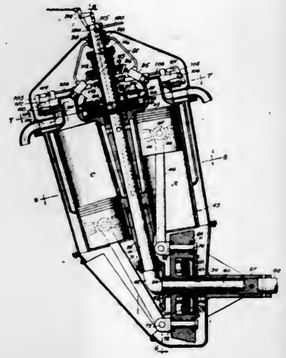
said member has a pair of apertured resilient arms with a tendency to diverge laterally of said filter-element, in combination with an apertured disc having a pair of lugs extended inwardly of said disc aperture and fitting in the apertures of said arms, said disc bearing against the opposite end of said series of layers.

2,382,279
DEVICE FOR RECOVERING A RADIATION SOURCE
Alexander Wolf and Gerhard Herzog, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 27, 1943, Serial No. 511,991
7 Claims. (Cl. 250—83.6)



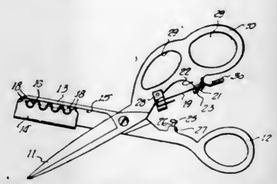
1. In the radioactive logging of bore holes wherein a source of penetrative radiation and an associated instrument are passed through the hole on a suspending device, means for recovering said source in the event said instrument becomes stuck in the hole comprising means for securing said source to said suspending device, and releasable means for attaching said instrument to said suspending device, said releasable means being actuated on a predetermined pull between the suspending device and the instrument to disconnect the suspending device from the instrument so that the source of radiation can be pulled from the hole by said suspending device.

2,382,280
CYLINDER, PISTON, AND CRANKSHAFT ARRANGEMENT
Wilson Mayne Allison, Knockshegowna, Swinburne, O. F. S., Union of South Africa
Application December 28, 1940, Serial No. 372,134
In the Union of South Africa January 2, 1940
2 Claims. (Cl. 123—43)



1. In a motor having cylinders adapted to rotate about a central spindle, and fuel injectors mounted in said cylinders, said fuel injectors having operating tappets mounted therein, fuel injector actuating means comprising a sleeve mounted on said spindle, gear means interengaging said sleeve and spindle whereby said sleeve is rotated at a predetermined rate, sharply pitched threads on said sleeves, an internally threaded sleeve engaging said sharply pitched threads, a cam ring on said second-mentioned sleeve adapted to engage and operate said fuel injector tappets, said cam ring having a beveled face, and means for rotating said second-mentioned sleeve with relation to said first-mentioned sleeve whereby the extent of engagement of said cam with said tappets can be controlled.

2,382,281
RIPPING SCISSORS
Lewis A. Amis, Dallas, Tex.
Application September 18, 1944, Serial No. 554,641
6 Claims. (Cl. 30—261)

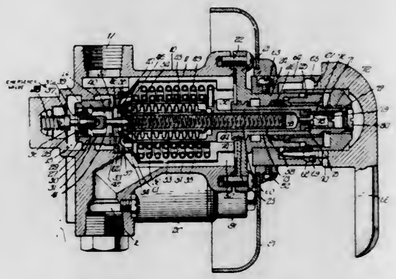


5. A scissors including pivoted, complementary cutting members, one of which is detachable, handle elements for each of said members, spring means on one of said elements engageable with means on the companion element for yieldably resisting opening action thereof and further adapted to prevent full closing of said cutting members.

2,382,282
SELENIUM RUBY GLASS
Chester R. Austin and John D. Sullivan, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application November 5, 1942, Serial No. 464,660
4 Claims. (Cl. 106—52)

1. A selenium ruby glass containing 69 to 74% SiO_2, 13 to 16% Na_2O+K_2O, 7 to 13% $CaO+MgO$, 1 to 4% Al_2O_3, less than 1% of ZnO, at least 0.03% selenium, cadmium in effective amounts up to .78% and sulfur in effective amounts up to .22%.

2,382,283
THERMOSTATIC MIXER
Harry Barnett, Glencoe, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1942, Serial No. 449,439
9 Claims. (Cl. 236—12)



1. In a thermostatic mixer having a casing with hot and cold fluid inlets, a tempered liquid outlet and a mixing valve, the combination of a container for a thermostatic liquid located within the casing in the path of travel of the mixed liquids to the outlet, a rigid shell, said container being open to the shell, a bellows within the shell, the container and the space in the shell exterior to said bellows being filled with said thermostatic liquid whereby upon expansion of said liquid the bellows is compressed, a plunger connected to one end of the bellows and to the mixing valve, and means including a member movable with said bellows acting after a change in volume of the thermostatic liquid for varying the effective area of the bellows.

2,382,284
METHOD OF PRODUCING FACTIS
Isaac Bencowitz, Newgulf, Tex., assignor to Texas Gulf Sulphur Company, Houston, Tex., a corporation of Texas
No Drawing. Application July 8, 1943, Serial No. 493,926
4 Claims. (Cl. 106—249)

1. The improvement in the production of factis which comprises reacting in solvent naphtha a mixture of 1 part levulinic acid, about 2 parts of soy bean oil and from 1 to 2 parts of sulphur by weight leaving a part of the solvent naphtha in the factis and removing the excess solvent naphtha by distillation.

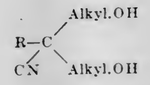
2,382,285
MANUFACTURE OF ARYLACETONITRILE DERIVATIVES

Franz Bergel, Nathan Chadwick Hindley, Alexander Lang Morrison, and Heinrich Rinderknecht, Welwyn Garden City, England, assignors to Roche Products Limited, Welwyn Garden City, England

No Drawing. Application October 15, 1942, Serial No. 462,157. In Great Britain November 19, 1941

4 Claims. (Cl. 260—465)

2. A process for the manufacture of α:α-bis-(β'-hydroxyalkyl)-arylacetonitriles of the general formula



wherein R is an aryl group, which process comprises condensing an arylacetonitrile with slightly more than two molecular proportions of a formal of the general formula

$$X—(CH_2)_2—O—CH_2—O—(CH_2)_m—CH_3$$

wherein X is halogen and m is selected from the group consisting of zero and integers, in the presence of an alkaline condensing agent selected from the group consisting of alkaline agents consisting of alkali metal compounds capable of reacting with active methylene group to produce alkali metal substitution, and subjecting the condensation product to mild hydrolysis under acid conditions.

2,382,286
PURIFICATION OF IRISH MOSS

Norman Blihovde, Ridgewood, N. J., assignor to Jacques Wolf & Company, Passaic, N. J., a corporation of New Jersey

No Drawing. Application April 2, 1943, Serial No. 481,567

8 Claims. (Cl. 260—209)

1. In procedure for refining Irish moss gum wherein a purified product is precipitated from gum solution by treatment with alcohol, the steps of extracting an aqueous gum solution from crude Irish moss, separating the solution from insoluble matter therein, and dissolving not less than 0.8% nor more than about 5% of sodium chloride in the separated aqueous gum solution, prior to said alcohol precipitation treatment.

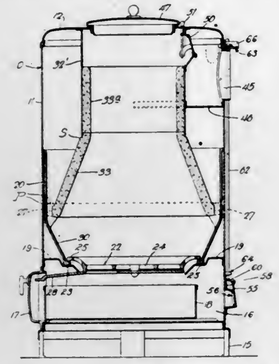
2,382,287
AUTOMATIC MAGAZINE FEED SOLID FUEL HEATER

William T. Bradbury, Oreland, Pa., and Cecil E. Chesser and Herman F. Lieber, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio

Application January 21, 1942, Serial No. 427,534

3 Claims. (Cl. 126—77)

1. In a space heater, a heater jacket comprising a cylindrical enclosure affording a combustion chamber and an air supply chamber, a plurality of support element intervening said chambers for supporting a grate centrally thereof, a cylindrical lining member having radially spaced supporting lugs and comprising a portion parallelly spaced from said jacket and a portion converging conically and also supported upon said elements, a magazine and hopper structure comprising a cylindrical portion and flared skirting portion, the lowermost extremity of which rests upon said lugs and is spaced so as to provide a restricted gas passageway with said parallelly spaced portion of said cylindrical lining, said lining having a plurality of radial openings for communicating a supplemental oxygen supply from the space be-



tween itself and said jacket to said constricted passageway, and draft flue means communicating with the space between said magazine and hopper structure and said jacket for drawing off the gaseous products of combustion after they have passed said constricted passageway.

2,382,288
METHOD FOR SEPARATION OF HYDROXY CARBOXYLIC ACIDS

Geza Braun and Orville N. Breivik, New York, N. Y., assignors to Standard Brands, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application February 9, 1944, Serial No. 521,732

6 Claims. (Cl. 260—536)

1. A method for the separation of tartaric acids, saccharic acid and similar hydroxy carboxylic acids in a mixture resulting from the oxidation of a carbohydrate material, which comprises, effecting crystallization of dl-tartaric acid from solution through concentration thereof followed by cooling to about 5° C., separating crystallized acid and liquid, concentrating liquid to about 43 to 47° Bé., then cooling whereupon d-tartaric acid crystallizes out, removing crystals from liquid, diluting liquid so obtained, heating, neutralizing to a pH value from about 6.5 to 6.8, adding calcium sulfate thereto whereby a precipitate of calcium meso-tartrate results, separating calcium meso-tartrate and liquid, heating liquid so obtained, effecting precipitation of residual tartaric acids and similar hydroxy carboxylic acids contained therein through treatment with calcium hydroxide and a soluble calcium compound, filtering to obtain precipitated calcium salts, decomposing with an acid yielding an insoluble salt with calcium, again filtering, and concentrating the filtrate to recover a product which is principally saccharic acid.

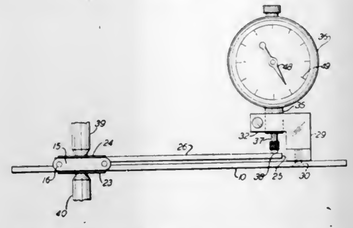
2,382,289
FORCE GAUGE

Robert C. Burt, Pasadena, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application December 7, 1942, Serial No. 468,300

6 Claims. (Cl. 73—141)

1. A force gauge characterized by being of relatively thin construction adapted to measure the force between spot weld electrodes in substantially their normal operating positions with respect to one another, comprising in combination a base member, a beam supported closely adjacent to and in substantial parallelism with said base member upon two supports, said supports being spaced apart longitudinally a distance relatively short with respect to the length of said beam and thereby defining a relatively



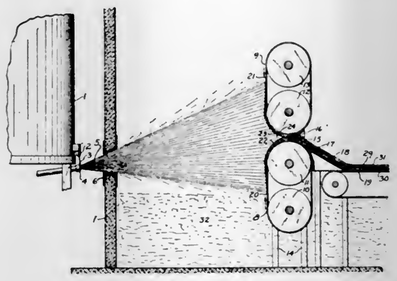
short end-supported span portion and an integral, relatively long cantilever portion of said beam, said end-supported span portion being adapted to receive a transverse concentrated loading corresponding to the force to be measured and means attached to the end portion of said base member and adapted to be actuated by lateral displacement of the end of said cantilever portion with respect to said base member to indicate relatively the magnitude of said force.

2,382,290
MANUFACTURE OF MINERAL WOOL

Marshall E. Callander, Columbia, Mo.

Application November 22, 1940, Serial No. 366,613

4 Claims. (Cl. 49—77.5)



1. In the art of making mineral wool, the process of forming coherent fluffy masses, comprising, fiberizing molten siliceous material and projecting the discrete fiberized particles in space, and collecting the particles in flight before the same have completely solidified upon a collection of similar particles.

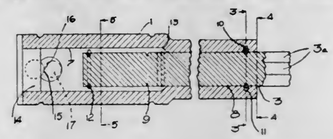
2,382,291
EXTENSIBLE HAND TOOL

August E. Carlberg, Worcester, Mass., assignor, by mesne assignments, to F. Allan Blomstrom, Worcester, Mass.

Application April 8, 1943, Serial No. 482,275

3 Claims. (Cl. 287—58)

1. An extensible hand tool comprising in combination a hollow handle providing a split portion at one end, a shank longitudinally movable within the handle and providing a work engaging portion at one end beyond said handle, a contractile member within the split portion of said handle for exerting a frictional restraining force on said shank and means for contracting the split portion of said handle on the shank to



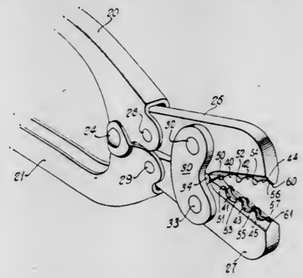
also contract said member and positively lock the shank against turning within the handle and to hold it in different positions with relation to the handle.

2,382,292
TOOL FOR MAKING ELECTRICAL CONNECTIONS

Vernon E. Carlson, Cranford, N. J., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey

Application June 29, 1943, Serial No. 492,695

4 Claims. (Cl. 140—113)



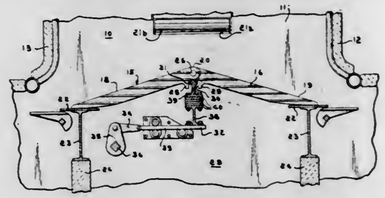
1. In apparatus of the character described and including a pair of dies closable toward one another, a series of concave crimping surfaces in each die; each die being beveled in the direction toward the face of the die that engages the work, said concave crimping surfaces being cut into the beveled faces of the dies and ranging through a progression of sizes and depths, and said beveling being progressively greater toward the ends of the dies where the concave crimping surfaces are smallest and shallowest.

2,382,293
STOKER APPARATUS

Stuart H. Chapman, Lima, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

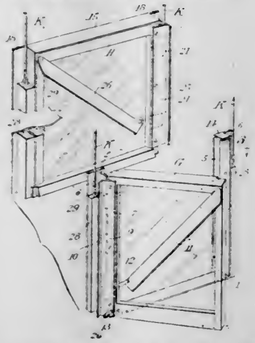
Application December 29, 1943, Serial No. 515,999

3 Claims. (Cl. 110—38)



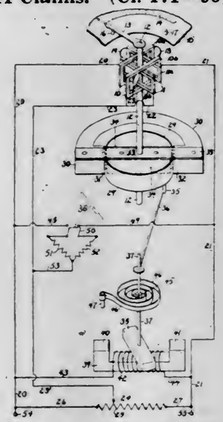
1. In a stoker, a plurality of grate bars of inverted-V type having pivotal joints at their apexes, means providing stationary supports for the ends of said bars, and means providing a transversely-movable support for the apexes of the bars.

2,382,294
WINDOW SASH ATTACHMENT
Alfred Cipressi, Philadelphia, Pa.
Application July 28, 1943, Serial No. 496,501
4 Claims. (Cl. 20—48)



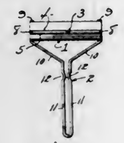
1. In a window including a main frame and upper and lower sashes, a frame for each sash and fittingly engaging the same about three sides, side members included in each frame and having the sash thereof hingedly connected thereto for swinging movement in a horizontal plane, flanges formed on the outer edges of the side members along their length and extending laterally thereof to provide inner and outer portions, said inner portions being disposed in the path of the sashes to limit movement thereof within their frames when swung to closed position, a latching strip for each sash and associated with the main frame for holding the sash in closed position, each latching strip being pivoted at one end to the upper end of one side rail of its sash, strips secured to the opposite side rails of the sashes, and the latter strips together with the latching strips and said outer portions of the flanges being mounted for vertical sliding movement in the main frame for disposal of the sash frames in side by side relation.

2,382,295
ELECTRICAL MEASURING INSTRUMENT
Albert G. Conrad, Mount Carmel, Conn., assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn., a corporation of New Jersey
Application August 4, 1944, Serial No. 548,035
11 Claims. (Cl. 171—95)



1. An electrical measuring-instrument, including in combination: an indicator; electrical actuating-means for deflecting the said indicator; a restoring-spring; restoring-means operated by the said restoring-spring and constructed and arranged to yieldingly hold the said indicator in a predetermined position; a retracting-electromagnet; connecting-means electrically interconnecting the said electrical actuating-means and the said retracting-electromagnet to provide for the concurrent energization of both thereof; and a retracting-armature operatively connected to the said restoring-means and to the said restoring-spring and located in the magnetic field developed by the said retracting-electromagnet, the said retracting-armature being constructed and arranged to automatically retract the said restoring-means into a retired position against the urge of the said restoring-spring when the said retracting-electromagnet is energized coincidentally with the said electrical actuating-means of the said indicator.

2,382,296
RAZOR BLADE WITH INTEGRAL GUARD
Oscar H. Crowell, Russellville, Ala.
Application August 24, 1944, Serial No. 550,978
2 Claims. (Cl. 30—47)



1. A safety razor, comprising a tubular blade portion split to provide adjacent parallel edges, one of which is sharpened to provide a cutting edge, said body being notched, and a one piece handle having arms engaging in the notches.

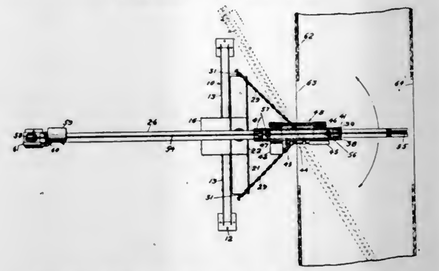
2,382,297
FLOOR COVERINGS
Martin E. Cupery, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1943, Serial No. 507,156
14 Claims. (Cl. 106—248)

1. A floor covering, comprising an asphalt impregnated paper felt base and a coating therefor containing a gelled polyhydric alcohol mixed ester of a poly-unsaturated monocarboxylic acid having α,β-ethylenic unsaturation conjugated with at least one other ethylenic double bond and the acids of a natural drying oil and a pigmented filler.

2,382,298
PROCESS FOR PEBBLING AMMONIUM NITRATE
Richard C. Datin, Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application May 6, 1942, Serial No. 441,963
10 Claims. (Cl. 71—64)

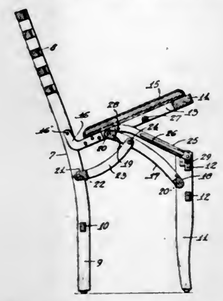
1. In a process wherein an ammonium nitrate melt containing water is pebbled by dispersion into a cooling gas to form solidified pebbles during the free fall of the dispersed material through the gas and the pebbled material is then dried, that improvement which comprises collecting the pebbles while they are still at temperatures above 32° C., passing the thus collected pebbles and a cooling medium in heat transfer relationship with each other and thereby cooling said pebbles to a temperature below 32° C. and then drying the pebbles at temperatures above 32° C., the aforedescribed steps of collecting, cooling and drying said pebbles being associated in a unitary process wherein the water removed by said drying is water originally in said ammonium nitrate melt.

2,382,299
LOADING AND UNLOADING CRANE
August M. Deiters, Atlanta, Ga., assignor to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia
Application January 22, 1945, Serial No. 573,884
9 Claims. (Cl. 212—55)



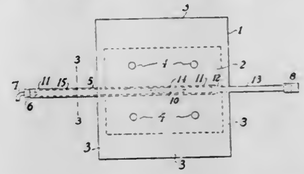
1. A car loading and unloading crane of the character described, comprising, in combination, an upstanding support positioned adjacent to a railroad track; a crank arm carried by said support and mounted to swing horizontally into and out of operating position with respect to the opening of a box car door; a boom support carried by said crank arm and mounted to rotate about a vertical axis; a horizontal boom carried by said boom support and mounted for radially extensible and retractible movement so that it can be projected to any position in the box car; operating means connected to reciprocate the boom; and load hoisting means carried by the boom.

2,382,300
FOLDING CHAIR
Ralph W. Dick, Fort Wayne, Ind.
Application March 15, 1943, Serial No. 479,201
4 Claims. (Cl. 155—141)



4. In a folding chair structure of the type having a main frame constituting a back-rest and rear legs, a seat pivoted to the back-rest, and a foreleg structure foldingly connected to the seat, whereby the seat folds upwardly onto said back-rest and said foreleg structure folds against said rear legs, link connections between said seat and foreleg structure, and a swinging frame structure having two pivotally connected elements one of which has a transverse rock-bar pivoted in the main frame, and the other element having transverse end bars pivoted respectively in said seat and foreleg structure, wherefore, during folding and unfolding of the chair, movements of said seat and foreleg structure are concurrent and relative lateral sway thereof circumvented.

2,382,301
COMBUSTION APPARATUS
George Miller Dreher, Grosse Pointe Woods, Mich.
Application November 23, 1942, Serial No. 466,571
3 Claims. (Cl. 23—253)



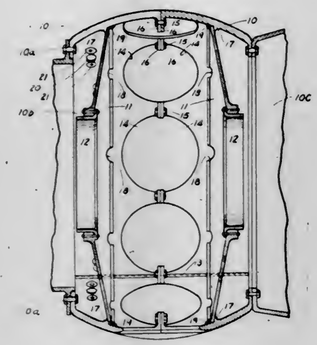
2. Combustion apparatus for chemical analysis comprising a combustion furnace and a combustion tube relatively long as compared to its diameter and of integral construction from end to end and of refractory material and extending through said furnace, the ends of said tube extending for a substantial distance beyond said furnace into relatively cool zones, said tube having an opening at one end thereof for insertion of a combustion boat, said tube having an opening at the other end thereof for passage of burned gases to be analyzed, a plurality of removable liners of baked refractory material in said tube and disposed end to end and extending along the length of the tube from adjacent said first named opening to substantially through said furnace said liners each adapted to be separately inserted into and removed from said tube, one of said liners disposed for containing the boat during the combustion of the sample therein, and another of said liners disposed for the passage of the boat therethrough into the first mentioned liner.

2,382,302
RIFLING MACHINE
Gotthard End, Seeburg, near Lucerne, Switzerland, assignor to the firm Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland, a corporation of Switzerland
Application January 6, 1943, Serial No. 471,448
In Germany October 4, 1941
2 Claims. (Cl. 90—28.1)



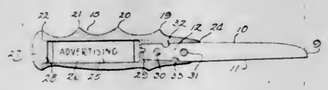
1. In a gun barrel rifling machine, the combination of a drawing bar provided with a helical groove corresponding to the twist of the rifles to be produced, means on said bar and coaxial therewith for imparting axial movement thereto, a packing member for the drawing bar supported by said means, and a stationary element interposed between the packing member and the barrel to be rifled and engaging the helical groove on the drawing bar adapted to impart rotary movement to the drawing bar while it is being axially moved.

2,382,303
METHOD OF MAKING CRANKCASES
Thomas L. Fawick, Akron, Ohio
Application April 26, 1944, Serial No. 532,760
3 Claims. (Cl. 29—156.4)



1. A method of making a crank-case for an internal combustion engine which comprises applying rolling pressure by longitudinal progression to respective masses of metal and thereby producing two longitudinally grained metal strips, bending each to ring form and joining its ends by welding to provide two annular shell members having circumferential grain, producing two radially grained bearing support members by forging a billet, for each, initially having a relatively large dimension in the direction of the hammer blows, mounting the bearing-support members respectively in and securing them respectively to the inner surfaces of the shell members, and securing an annular margin of one of the shell members to an annular margin of the other.

2,382,304
KNIFE AND METHOD OF MANUFACTURE THEREOF
Carl Foltz and Gaar Davis, South Bend, Ind.
Application March 24, 1941, Serial No. 384,789
6 Claims. (Cl. 30—343)



1. A knife comprising the combination with a blade having a shank portion provided with a terminal opening, of a handle having an interior hollow with which said opening communicates, said handle being in molded unitary connection with the shank portion of the blade.

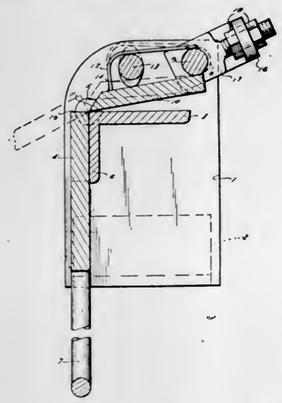
2,382,305
MANUFACTURE OF BAKED GOODS
Jacob Freilich, Bronx, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application May 12, 1943, Serial No. 486,734
6 Claims. (Cl. 99—90)

1. A method for the production of baked goods leavened without yeast, which comprises admixing flour, water and other ingredients to form a dough, the amount of water being sufficient to give an absorption of 54 to 66% in the presence of an inert gas having a solubility, at atmospheric pressure and a temperature of 20° C., in water of at least four to one, said mixing being effected at a pressure which incorporates an effective amount of the gas into the dough and at a temperature of 60° to 90° F., and then baking substantially immediately.

5. A process as defined in claim 1 in which the inert gas is dimethyl ether.

6. A process as defined in claim 1 in which the inert gas is methyl chloride.

2,382,306
BAND IRON BRAKE
Louis H. Gable, Seneca, Ill.
Application February 8, 1944, Serial No. 521,593
3 Claims. (Cl. 153—16)



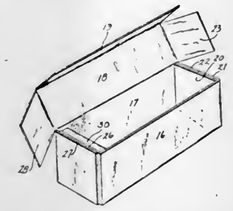
1. A band iron brake comprising a pair of spaced, parallel vertical plates, a work-receiving bed mounted horizontally between said plates below the tops of the latter, said bed including a depending flange, means mounted on and disposed between the plates above the bed for clamping the work on the bed, and a manually operable apron mounted for swinging movement between the plates, said apron including a plate having trunnions on opposite sides of one end thereof, said trunnions being journaled in the first-named plates, said one end of said second-named plate being flush with the bed when the apron is in inoperative position, said apron, when in inoperative position, being suspended from the trunnions between the first-named plates in engagement with the depending bed flange, and a substantially U-shaped operating handle having its ends fixed on opposite side edges of the second-named plate.

2,382,307
MULTIPLE LEVER TOOL
John W. Geddes and Tyler Porter, Boston, Mass., assignors to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application August 15, 1944, Serial No. 549,593
4 Claims. (Cl. 30—193)

1. In a tool of the class described comprising a pivoted jaw-carrying lever, a pivoted handle lever and an adjusting section pivoted to and connecting said levers and means carried by the section cooperating with one of said levers to swingably adjust the section relatively thereto whereby to position relatively the other pivots, the combination wherein said means comprises a nut trunnioned in said part, a screw entering the same and having a globose head substantially received in a recess in said section to provide a joint of ball and socket type.



2,382,308
CARTON AND PACKAGE
Theodore C. Gevaart, Kiel, Wis.
Application April 8, 1943, Serial No. 482,261
2 Claims. (Cl. 229—14)

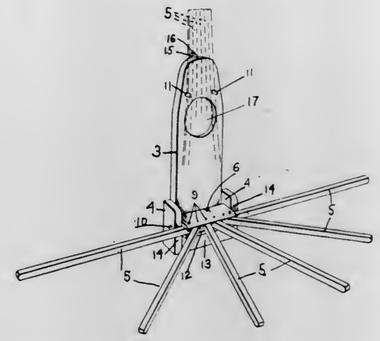


1. A cheese box of the character described comprising spaced side walls and a bottom somewhat shorter than said side walls, and means providing end walls connecting said side walls and spaced from said bottom at one end of the box, the bottom of the box at said last mentioned end thereof being provided with a false end flap extending upwardly within the box and provided with means spacing it from the end wall means at the top of the box, said box having between said last mentioned end wall means and said false end flap a downwardly opening knife-receiving compartment, substantially the entire remainder of the box comprising an upwardly opening cheese-receiving compartment.

2,382,309
PHOSPHONAMIDE
Lyle A. Hamilton, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 23, 1942, Serial No. 463,079. Divided and this application June 3, 1944, Serial No. 538,704
2 Claims. (Cl. 260—551)

2. An alpha,beta-unsaturated alkenephosphondiamide.

2,382,310
FOLDING CLOTHES RACK
Jesse S. Harding, Stoughton, Mass.
Application March 18, 1944, Serial No. 527,034
1 Claim. (Cl. 211—97)

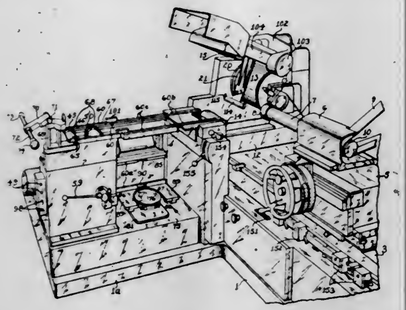


A clothes rack comprising a back board adapted to be hung on a wall, cheek pieces secured to the opposite edges of the back board at its lower end, said cheek pieces extending forwardly beyond the front face of the back board, a cross piece extending from one cheek piece to the other at the lower end thereof, a one-piece arm-supporting block between said cheek pieces above the cross piece, said block having a generally rectangular shape in transverse section with one diametrical dimension greater than the other and also having trunnions at its ends which are pivotally mounted in the cheek pieces, said trunnions being nearer to one of the narrow side faces of said block than to the other, the said other narrow side face of the block being provided with an arm-receiving groove extending longitudinally thereof, a plurality of clothes-supporting arms having their inner ends received in said grooves, means pivoting each arm to the block to swing about an axis at right angles to that of the block, said block being turnable on its trunnions into either a folded position in which said arms are directed upwardly and are folded against the back board or into an open position in which the arms extend horizontally, said block when in the latter position resting on and being held in such position by the cross piece, the grooved face of the block extending sufficiently beyond the front edge of the cheek pieces to permit the arms at the ends of the block to swing into an open position substantially parallel to the wall on which the back board is hung, and pins projecting from the back board near its upper end and adapted to receive between them the folded arms when they are in their vertical folded position.

2,382,311
APPARATUS FOR INTERNAL GRINDING
Richard A. Heald, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application April 13, 1942, Serial No. 438,754
6 Claims. (Cl. 51—48)

5. In a centerless internal grinding machine, a plurality of rotary elements forming a grinding throat and with which elements the work is adapted to have rolling contact for its support and rotation during grinding, a track arranged for the rolling movement of the work to the en-

trance of said throat, said track having a higher level of work support than said throat, a member movable hydraulically to discharge work from said throat, and means for controlling the re-



verse movement of said member to lower the work from said track into said throat without appreciable impact of said work against said rotary elements.

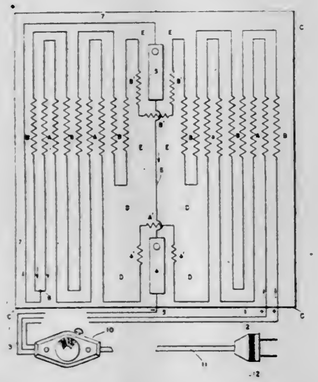
2,382,312

ELECTRIC HEATING PAD

George C. Heinrich, Meriden, Conn., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application July 8, 1944, Serial No. 544,027

12 Claims. (Cl. 219—46)



1. In an electric heating pad, a pair of heater elements distributed about the heater pad so as to leave a zone unoccupied by the main sections of the heater elements, a pair of thermostats connected in series and displaced from each other centrally of the unoccupied zone of the pad, one of the said heater elements having a short section thereof which is in close heat exchange relation with one of said thermostats, a short section of the other heating element being in close heat exchange relation with the other of said thermostats, each of said heater elements being independently and individually connectible across a heating supply circuit and said heater elements being connectible in parallel across a heating supply circuit and said thermostats being in series with the circuit in all three alternative connections.

2,382,313

HYDROXY ACID DERIVATIVES OF CAMPHENE

Clyde O. Henke, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 20, 1942, Serial No. 427,441

3 Claims. (Cl. 260—468)

1. The process of preparing ester-ethers of hydroxy acids which comprises reacting camphene with an acid of the group consisting of malic acid, glycolic acid, lactic acid, dl mandelic acid and tartaric acid, employing at least one equivalent of camphene for each hydroxy group and each carboxyl group of the acid, in the presence of an acid catalyst of the group consisting of sulfuric acid and sulfonic acids at temperatures up to 100° C.

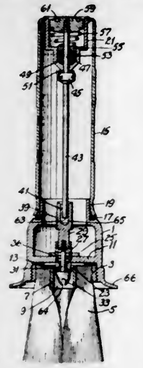
2,382,314

FOUNTAIN BRUSH

Otto J. Herb, St. Louis, Mo., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo., a corporation of Missouri

Application February 11, 1943, Serial No. 475,507

1 Claim. (Cl. 15—138)



A fountain brush comprising a body portion forming an enclosing bottom, a brush assembly removably threaded to said body portion outside of said bottom, said bottom having a passage forming a cylindric outlet, a lateral connection to said passage within the bottom, a valve piston in said cylindric passage and traversing said connection, means biasing the piston to uncover the inlet connection, an auxiliary valve extending from said piston through said outlet adapted to cooperate with the end of the outlet to close it when the piston is biased to uncover said lateral connection and to open the outlet when the piston is biased to close said connection for ejection of fluid, a cylinder removably attached to said body portion to complete the reservoir, a reciprocating operating button pocketed at the end of the cylinder which is oppositely located with respect to the body portion, a stem extending from said button to said piston, said piston being formed to provide a lost-motion engagement between it and said extension, whereby said extension and piston may automatically be separated upon removing the cylindric portion of the reservoir from the body portion thereof, radial packing means in a gland between said extension and the enclosing end of the cylindric portion, a collar on said extension within the reservoir, and packing means between the collar and said packing gland operable to form an endwise seal with said gland when the button is released.

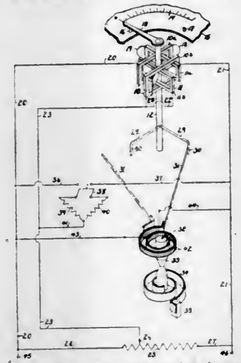
2,382,315

ELECTRICAL MEASURING INSTRUMENT

Fritz E. Hiller, Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn., a corporation of New Jersey

Application October 31, 1944, Serial No. 561,202

6 Claims. (Cl. 171—95)



1. An electrical measuring instrument, including in combination: an indicator; electrical actuating means for deflecting the said indicator; a heat distortable thermal element; electrical heating means associated with the said thermal element in heat-exchange relationship with respect thereto; connecting means electrically interconnecting the said electrical heating means and the said electrical actuating means to provide for the concurrent energization of both thereof; and resetting means operatively connected to the said heat distortable thermal element to be moved thereby and constructed and arranged to reset the said indicator into a predetermined position when the temperature of the said thermal element falls as a result of the said heating means being deprived of energy, and to move into a retired position when the temperature of the said thermal element rises as a result of the concurrent application of electrical energy to the said heating means and the said electrical actuating means.

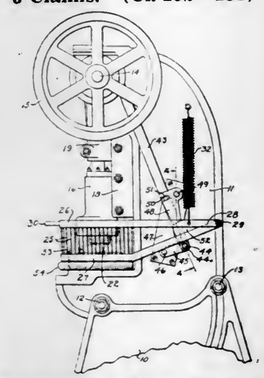
2,382,316

PUNCH PRESS GUARD

Ralph R. Hodges, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application August 7, 1942, Serial No. 453,968

3 Claims. (Cl. 192—134)



1. In combination with a press, means actuable to initiate the working stroke of the press, a guard having a hand grip for moving the same from an open position to a closed, safety position between the operator and the work, locking means including a part movable with said guard for positively preventing stroke initiating actuation of said first means when said guard is open, and mechanism actuatable solely by said guard as it closely approaches said safety position for actuating said first means to initiate said working stroke.

2,382,317

RECLAMATION PROCESS

Wilbur L. Hoff, Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application December 8, 1942, Serial No. 468,286

2 Claims. (Cl. 134—27)

1. A process for reclaiming a quartz crystal having a coating thereon containing tin, silver, bismuth and lead metaborate comprising treating the crystal in a bath of nitric acid, adding hydrochloric acid to the bath to form aqua regia, rinsing the crystal, treating the crystal in a bath of ammonium hydroxide, and again rinsing the crystal.

2,382,318

ALKYLATION OF BENZENE

Vladimir N. Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application April 8, 1942, Serial No. 438,142

4 Claims. (Cl. 260—671)

2. A process for alkylating benzene with propylene in the presence of solid phosphoric acid catalyst which comprises contacting the benzene and propylene in molar proportions greater than 3:1 with the catalyst under conditions of a temperature between about 150° and about 450° C. and pressure of at least 100 pounds per square inch, such that the formation of mono-isopropyl benzene constitutes the principal reaction.

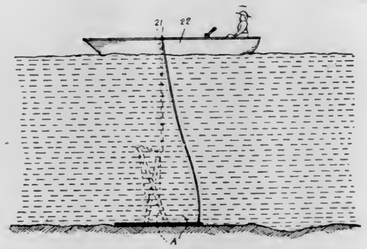
2,382,319

CRAB NET

Herman C. Kramer, New York, N. Y.

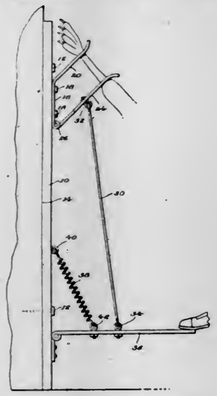
Application May 8, 1944, Serial No. 534,600

4 Claims. (Cl. 43—7)



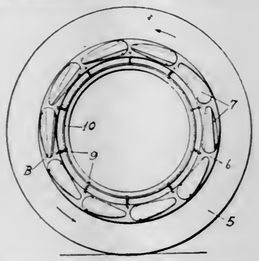
1. A net of the kind described, comprising a pair of interfitting hoops pivotally connected for swinging movements relative to each other, and a flexible bag-like net body having an open mouth connected with the hoops for the opening and closing of the said mouth on the swinging of said hoops.

2,382,320
FOWL LEG TENDON EXTRACTOR
Floyd W. Jenson, Port Angeles, Wash.
Application July 7, 1943, Serial No. 493,769
2 Claims. (Cl. 17—11.3)



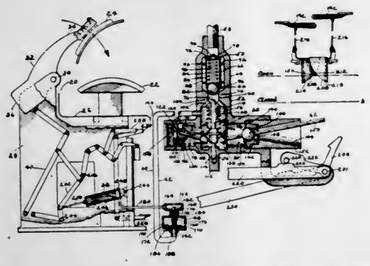
1. A tendon extracting device comprising a plank adapted to be secured in vertical position against a support, an elongated angularly bent metal strap having its lower portion fixed in vertical position against the plank and its upper portion extending upwardly and outwardly from said lower portion, the outer end portion of the upper strap portion being curved upwardly and provided with a slot, and a second elongated strap having one end hingedly connected to the bottom of the first strap, said second strap having its outer end portion curved and provided with a slot, said straps being adapted to engage a fowl leg in the respective slotted end portions for pulling the tendons therefrom.

2,382,321
TURNING DEVICE FOR THE WHEELS OF AN AIRCRAFT LANDING GEAR
John Melvin Johnson, Lindsborg, and Frank M. Straka, McPherson, Kans.
Application March 15, 1943, Serial No. 479,238
1 Claim. (Cl. 244—103)



In aerial turning devices for wheels of an aircraft landing gear, in combination with a tire and rim, inner and outer annular metallic bands, each band being severed at one point and having a telescopic coupling means therefor, flexible fabric webbing to connect said metallic bands coaxially, a plurality of elongated flexible fabric pockets stitched to said webbing in spaced relation there around and being on one side thereof, each said pockets being arched with respect to their longitudinal axis, one end of each pocket being open to receive air current to inflate the pockets as they approach the bottom of the wheels as turning means therefor, the said pockets being deflated as they reach the top of said wheels, and reinforcing ribs of rigid material secured to the pockets at their outer sides to avoid collapsation longitudinally of the pockets at the instant of their inflation, and metallic coil springs to removably attach the inner band of each device to the rim of the wheel whereby the said webbing is drawn convergently toward the turning axis of the wheel to secure the outer band to snug engagement with the side of the tire.

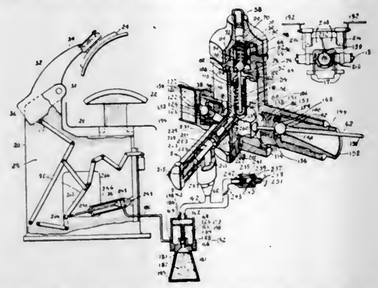
2,382,322
SAFETY CONTROL FOR PRESSING MACHINES
Frank C. Lornitzo, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application October 28, 1940, Serial No. 364,287
26 Claims. (Cl. 38—40)



1. In a pressing machine, relatively movable pressing members, a fluid motor for bringing said members into pressing juxtaposition, means for controlling the flow of fluid to said fluid motor including a universally mounted control member normally urged to a position exhausting said fluid motor movable to a position permitting flow to said fluid motor, a pair of manually operable means, means actuated by each of said manually operable means to apply an oblique force in a forward direction to said universally mounted control member, obliquely opposite to the force applied by said other means, adapted, when both manually operable means are actuated together to move said universally mounted control member forwardly to actuate said controlling means to permit flow to said motor; and when one of said manually operable means only is actuated, to move said universally mounted control member obliquely to permit return of said controlling means to a position exhausting said fluid motor, to separate said pressing members.

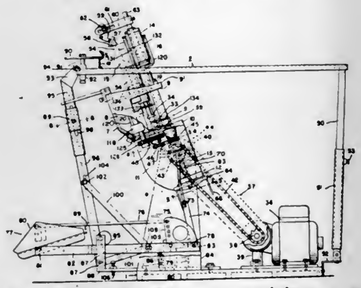
2,382,323
LATCH CONTROL FOR PRESSING MACHINES
Frank C. Lornitzo, Pawtucket, R. I., assignor to Pantex Pressing Machine, Inc., Central Falls, R. I., a corporation of Delaware
Application January 31, 1941, Serial No. 376,860
16 Claims. (Cl. 121—38)

1. In a pressing machine, relatively movable pressing members, actuating means to relatively move said pressing members to a pressing position and thereafter apply pressure, including a fluid motor, a feed line, means for controlling the flow of fluid through said feed line to said fluid motor, including a movable control member and manually actuated means for moving said movable control member to a position to admit fluid to said fluid motor to relatively move said pressing members to pressing juxtaposition, and latch means for said movable control member normally



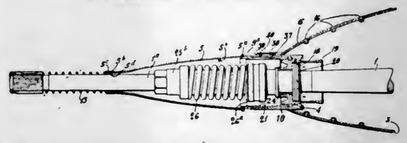
biased to a latching position movable by the flow of fluid through said line to an unlatching position.

2,382,324
GRAINING MACHINE
Henry W. Mackey, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 19, 1942, Serial No. 427,365
3 Claims. (Cl. 101—366)



1. A graining machine comprising a pattern roll, a transfer roll, a support, shafts carrying said rolls, one of said shafts being rotatably mounted on said support, a swivel head carrying the other of said shafts, a pin on said support on which said swivel head is journaled and means for driving said rolls comprising a gear on said shaft rotatably mounted on said support, a sprocket on said last mentioned shaft, an idler sprocket journaled on said pin and driven by said first mentioned sprocket, a second gear on said shaft carried by said swivel head, and a third gear meshing with said second gear and driven by said second mentioned sprocket.

2,382,325
MOUNTING OF SMALL CANNON IN THE WINGS AND THE LIKE OF AIRCRAFT
James Martin, Higher Denham, near Uxbridge, England
Application March 4, 1944, Serial No. 525,003
In Great Britain March 9, 1943
4 Claims. (Cl. 89—37.5)



1. In an airplane having an aerofoil section, the combination of, a cannon mounting in said section, a cannon mounted thereon with the barrel of the cannon projecting outside said section, an abutment on the free end of said barrel, a fairing having a streamlined configuration closely surrounding and enclosing that part of the projection of said barrel which is adjacent the aerofoil section, one end of said fairing seated on said cannon mounting and a coil spring surrounding said barrel and disposed between the free end of said fairing and the abutment on said barrel.

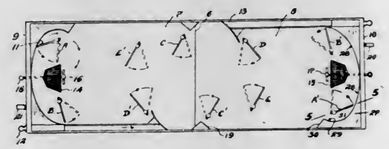
2,382,326
PLANT GROWTH STIMULANT
Sebastian B. Mecca, Philadelphia, Pa., assignor to Schuylkill Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 16, 1941, Serial No. 374,771
7 Claims. (Cl. 71—2)

7. A stable plant growth stimulant composition in dry powdered form capable of inducing rooting and of stimulating healthy vigorous plant growth comprising substantially pure allantoin non-injurious to plant structures and acting as a cell proliferant, plant nutrient materials, plant micrometabolic elements, and a dry pulverized inert vehicle.

2,382,327
PROCESS OF PREPARING STABILIZED SYNTHETIC FLUOALUMINATE
Charles B. Miles, Upper Darby, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application February 9, 1943, Serial No. 475,277
13 Claims. (Cl. 23—88)

1. The process of treating a sub-divided, solid synthetic fluoaluminate characterized by loss of fluorine upon heating, which comprises mixing an alkaline material with said sub-divided, solid synthetic fluoaluminate subsequent to its separation from the solution in which it is produced and prior to its subjection to temperatures sufficiently high to effect volatilization of said fluorine, the Na_2O equivalent of said alkaline material being not more than about 15 weight per cent. of the resulting mixture on the dry basis.

2,382,328
HOCKEY GAME
Donald H. Munro, Toronto, Ontario, Canada
Application February 27, 1943, Serial No. 477,351
2 Claims. (Cl. 273—85)



1. In a game apparatus comprising a generally rectangular board, the playing surface of which slopes toward opposite ends thereof, a continuous game piece retaining and directing wall surrounding the playing surface of the board, goals arranged on the inclined playing surface adjacent the end walls of the board, and means movably mounted on the playing surface for controlling the movement of the game piece thereover, the inner surface of each end wall being continuously curved from side to side of the board

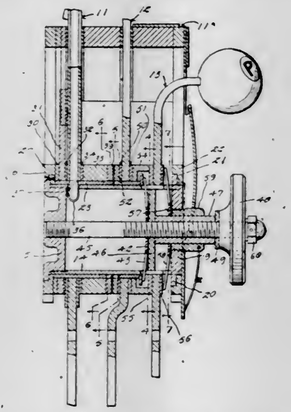
behind a goal and in spaced relation thereto, one end portion remote from the goal of each of said continuously curved surfaces being further curved forwardly and inwardly toward the longitudinal center of the board and to a point in advance of the entrance to the goal.

2,382,329
BASEBALL GAME
Donald H. Munro, Toronto, Ontario, Canada
Application June 23, 1943, Serial No. 491,890
1 Claim. (Cl. 273—129)



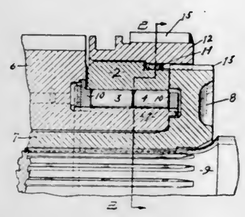
In a baseball game apparatus of the kind described comprising a board having a simulated baseball diamond including a home plate and a pitcher's box; the improvement including means at the pitcher's box for projecting a ball toward the home plate, said means including an element adapted to be forwardly actuated to strike the ball, said element being of a less width than the ball, a pair of rails flanking said element and forwardly diverging therefrom, the inner ends of the rails being spaced apart to provide a passage to admit said element in its forward movement but prohibiting the ball from passing therethrough, and said rails being arranged on the board to also serve as a catching device for the ball when it is rolled forwardly from the home plate.

2,382,330
FRICTION ADJUSTMENT FOR LEVERS
Edwin F. Pain, Corry, Pa., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa.
Application October 18, 1943, Serial No. 506,743
8 Claims. (Cl. 74—531)



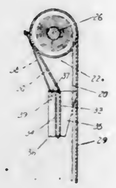
1. In combination, a pair of rock levers, a common hollow pivot for said levers, a sleeve slidable endwise on said pivot and disposed within the hub of one of said levers and movable axially of said hub, means on said pivot engageable with said sleeve upon endwise movement of the latter within the hub of said one lever for applying frictional resistance to the other of said levers, means for moving said sleeve endwise, and means partly carried by said pivot and stationary relative thereto and partly carried by said sleeve and slidable on the latter for applying frictional resistance to said one lever.

2,382,331
OVERRUNNING CLUTCH CONSTRUCTION
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application September 10, 1942, Serial No. 457,864
4 Claims. (Cl. 192—45)



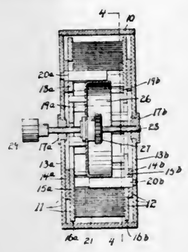
1. In a power transmission unit, the combination of a shaft, a clutch gear rotatable with the shaft, an overrunning clutch comprising an inner raceway, an outer raceway, and rollers between the raceways, and means for driving one of the raceways, a clutch collar enclosing the clutch gear and the outer raceway and shiftable into and out of position to clutch the outer raceway and the clutch gear together and serving as a coupling to compensate for axial misalinements and eccentricities between the clutch gear and the outer raceway, each roller of the clutch consisting of a plurality of long and short sections arranged end to end and abutting against each other, the long section of each roller alternating with the short sections of the adjacent rollers, for facilitating the compensation for axial misalinements of the inner and outer raceways and the clutch gear.

2,382,332
PROTECTIVE CASING FOR TEXTILES BY THE YARD
William Polgar, New York, N. Y.
Application August 31, 1944, Serial No. 552,075
7 Claims. (Cl. 242—55.2)



1. A device for protectively housing textile fabrics, including an elongated horizontal casing having an opening along the bottom thereof, a shaft adapted to carry a roll of fabric, said casing having end bearings for mounting said shaft, a handle external of the casing connected to said shaft for rotating the latter to wind and unwind said fabric, said shaft being so related to said opening that an unwound portion of the fabric is adapted to depend through said opening, and opposed walls parallel to and connected to said casing along the edges of said opening, said walls depending downward and being adapted to house therebetween a portion of the fabric projecting from said opening, one of said walls comprising a portion upwardly movable to expose said depending fabric portion.

2,382,333
SHADED-POLE SYNCHRONOUS ELECTRIC MOTOR
Arthur B. Poole, Harwinton, Conn.
Application May 3, 1944, Serial No. 533,835
6 Claims. (Cl. 172—278)

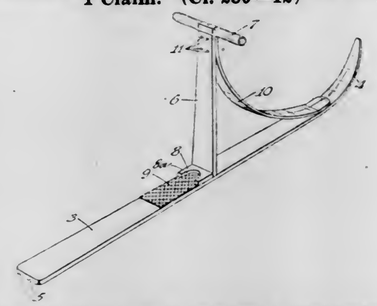


1. A shaded-pole synchronous electric motor, including in combination: a ring-shaped energizing-coil; a pair of opposed plate-like pole-units respectively located at the opposite ends of the said ring-like energizing-coil; flux-bridging means extending across the outer periphery of the said energizing-coil and magnetically interconnecting the two said plate-like pole-units; and a rotor mounted for rotation substantially concentrically with respect to the said energizing-coil in position to be magnetically actuated by flux in both of the said pole-units; at least one of the aforesaid pole-units comprising an outer pole-plate extending crosswise of the adjacent end of the said energizing-coil in position to receive flux from the aforesaid flux-bridging means, a shading-plate located inwardly of the said outer pole-plate and extending substantially parallel therewith, an inner pole-plate located inwardly with respect to and extending substantially parallel with the said shading-plate, an annular series of pole-salients extending inwardly from the said outer pole-plate through the said shading-plate into a position adjacent the said rotor, and a second annular series of pole-salients extending inwardly from the said inner pole-plate in circumferentially-alternating spaced relationship with respect to the pole-salients extending inwardly from the said outer pole-plate, the said inner pole-plate having clearance-gaps between its inner portion and the pole-salients which extend inwardly from the said outer pole-plate, which clearance-gaps exceed the distance between a given one of the pole-salients of one of the said pole-plates and the next adjacent pole-salient of the other of said pole-plates.

2,382,334
ION EXCHANGE PRODUCTS AND THEIR PREPARATION
Ray Riley, Moorestown, and Frederick C. Nachod, Mount Holly, N. J., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1943, Serial No. 489,072
8 Claims. (Cl. 252—179)

2. A process of preparing an organic cation exchange product which comprises sulfonating a solid organic carbonizable material with a concentrated liquid sulfonating agent, washing and drying the sulfonated product, and further sulfonating the dried product with sulfur trioxide gas for a period sufficient to increase substantially the cation exchange capacity of said dried product.

2,382,335
SKI
Carl P. Ruhme, Minneapolis, Minn.
Application August 12, 1943, Serial No. 498,301
1 Claim. (Cl. 280—12)



In a ski device, a ski runner, a post extending upwardly from said runner intermediate the ends thereof, a hand grip member on the upper end of said post, a brace extending downwardly and forwardly from the upper portion of said post and connected to the forward end of said runner, said brace being formed on a curve and being made of a resilient material.

2,382,336
FERROUS METAL PICKLING BATH AND METHOD OF PREPARING SAME
Jan D. Ruys, Pittsburg, and Aaron Wachter, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 8, 1942, Serial No. 454,190
6 Claims. (Cl. 252—151)

1. In a method of preparing a ferrous metal pickling bath the steps comprising promptly diluting sulfuric acid which has been used as an alkylation catalyst in the alkylation of saturated hydrocarbons containing not more than eight carbon atoms to a concentration of the order of 50% by weight H_2SO_4 whereby a portion of the organic content thereof is rendered insoluble therein, permitting said dilute acid to stand for a period of time sufficient to stratify said insoluble organic matter, removing said insoluble organic material, heating said sulfuric acid whereby a further portion of the organic content of said sulfuric acid is rendered insoluble therein, removing said last mentioned insoluble organic material and thereafter further diluting said sulfuric acid to a concentration of from approximately 5% to approximately 10% by weight.

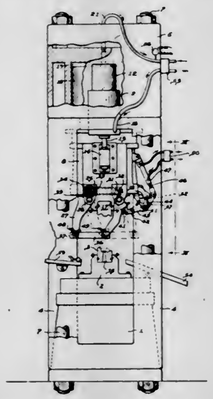
2,382,337
BITUMINOUS PROTECTIVE COMPOSITIONS
Harold Schiller, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 1, 1943, Serial No. 489,298
4 Claims. (Cl. 106—18)

3. A treating liquid for prolonging the life of vegetable fibres composed substantially of an intimate dispersion of a bitumen in an aqueous solution of an alkaline agent selected from the group consisting of ammonia and the aliphatic amines boiling between about 15° and 100° C., together with a soap of a bactericidal metal, said soap being initially present solely in said aqueous solution.

2,382,338
ELECTRIC CONTACTS
Erle I. Shobert, II, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
No Drawing. Application May 18, 1943, Serial No. 487,487
5 Claims. (Cl. 75—22)

1. That method of making a silver-cadmium oxide electric contact element which comprises pressing an intimate mixture of silver powder and powdered cadmium oxide containing from about 0.1 to about 20 per cent by weight of said oxide to compact it, heating the compact in an oxidizing atmosphere while exposing a single face to reducing conditions and thereby reducing the cadmium oxide at that face.

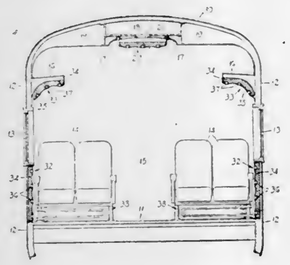
2,382,339
FORGING PRESS
Edmund A. Skowron, Pittsburgh, and Wilbert H. Woodings, Oakmont, Pa.
Application November 9, 1944, Serial No. 562,702
14 Claims. (Cl. 78—42)



1. A forging press comprising cooperating top and bottom dies, a vertically reciprocable head carrying the top die, an inwardly projecting loading finger and an inwardly projecting unloading finger disposed at each end of the dies with the unloading fingers behind the loading fingers, means suspending said fingers from said head, and means for moving said fingers backward while the head is raised and forward while it is lowered, said loading fingers passing down across the ends of the bottom die while the head is descending, and said unloading fingers passing up across the ends of the bottom die while the head is rising, whereby an unforged workpiece may be lifted by the loading fingers from a feeder and then deposited on the bottom die, and a forged workpiece lifted by the unloading fingers from the bottom die and then deposited on a receiver.

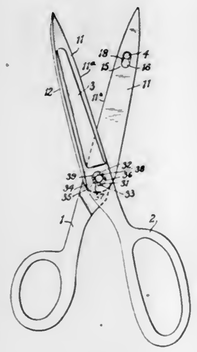
2,382,340
VEHICLE HEATING SYSTEM
John F. Downie Smith, Swampscott, Mass., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 8, 1942, Serial No. 468,190
2 Claims. (Cl. 237—6)

1. In a heating system for a vehicle having seats, a plurality of radiant heat panels supported within the vehicle at locations so related to said seats as to direct radiant heat rays directly against different body portions of the occupants of said seats, means for heating said panels, means for maintaining said panels at temperatures such that the radiated heat rays are conducive to the body comfort of the seat occupants, means for supplying fresh outside air to the interior of the vehicle, means for heating



the fresh air supplied by said last-mentioned means, and control means for said last-mentioned heating means, said control means being effective when the temperature of the outside air is below body comfort temperature to restrict heating by said last-mentioned heating means of the fresh outside air supplied by said air supplying means to a predetermined temperature less than body comfort temperature.

2,382,341
SCISSORS
Francis A. Snell, Binghamton, N. Y., assignor to Change-A-Blade Corporation, New York, N. Y., a corporation of New York
Application December 23, 1944, Serial No. 569,587
12 Claims. (Cl. 30—260)

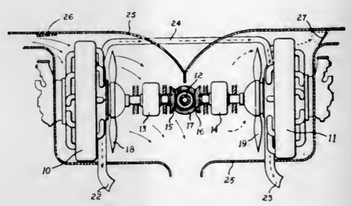


1. In a scissors, a pair of frames pivotally connected by a pivot pin extending through them, means at one end of the pin for preventing axial displacement of the pivot pin when the pin is manually rotated to a position other than that in which it was inserted through the frames, said pin being movable axially but only partly through one of the frames whereby said pin remains attached to said frame even when it is separated from the other frame.

2,382,342
CHLORINATION OF RUBBER
Edwin B. Spaulding, Madison, Wis., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1942, Serial No. 470,831
4 Claims. (Cl. 260—772)

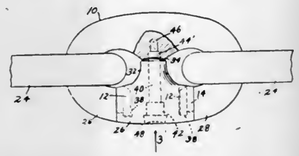
1. A process for the manufacture of chlorinated rubber which comprises chlorinating rubber dissolved in a solvent substantially inert to chlorine in a first reaction stage in which the temperature of the solution is maintained at between 64° C. and 76° C. until the chlorine content of the resulting partially chlorinated rubber is between 45% and 59%, passing gas containing free oxygen into the solution in a following reaction stage in which the temperature of the solution is maintained at above 60° C. but not above 76° C. to lower the viscosity of the chlorinated rubber to a level such that the completely chlorinated rubber ultimately recovered is at a predetermined viscosity, further chlorinating the solution in the said second stage until the chlorinated rubber has a chlorine content of at least 64%, and recovering the chlorinated rubber from the resulting solution.

2,382,343
AIRCRAFT POWER PLANT
Edward A. Stalker, Bay City, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Original application January 9, 1942, Serial No. 426,100. Divided and this application August 10, 1944, Serial No. 548,864
10 Claims. (Cl. 60—97)



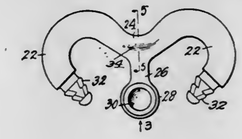
1. In combination, a plurality of heat engines having exhaust gas chambers containing hot fluid when the respective engine is operating under power, a driven shaft, clutch means engaging said engines to said shaft and operable to disengage an engine, and duct means interconnecting the said chambers to direct hot fluid from the engaged engine operating under power to the disengaged engine.

2,382,344
DETACHABLE CHAIN LINK
Henry St. Pierre, Worcester, Mass.
Application August 24, 1942, Serial No. 455,883
2 Claims. (Cl. 59—85)



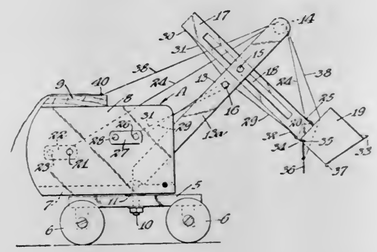
1. A detachable chain link comprising a main C-shaped link member having a pair of opposed free ends, said ends being spaced to define an opening therebetween, connection shoulders at said ends, a boss at the side of said link member opposite the opening and extending towards the latter, a depression in said boss, a single unitary coupling member of general T-shape for closing the opening, the head of the T being adapted to fit between said link-member free ends, slots in said head for receiving said shoulders in interengaging relation by a sliding motion in one relative direction only, a bore through the head of the T and extending through the leg of the T, the free end of the leg fitting said depression, a bolt extending through said bore and into said boss, a bore in said boss and a tapped hole at the bottom of the last-named bore, said bolt extending into and fitting the latter and having a screw threaded portion to be threaded into said tapped hole, said bolt closely fitting the last named bore at its unthreaded portion.

2,382,345
CHAIN LINK BLANK AND PROCESS FOR MAKING CHAIN LINKS
Henry St. Pierre, Worcester, Mass.
Application August 24, 1942, Serial No. 455,884
6 Claims. (Cl. 59—35)



5. The method of making a link including the steps of forming a blank having curved ends and a center stud, said ends being located to extend from a reduced humped end of the stud at angles to each other so that a side of the blank is open, pivoting the ends without deformation about said reduced end, toward each other to the other end of the stud, securing the ends to the stud at said other end, and forging the hump to add material to the link at the reduced portion.

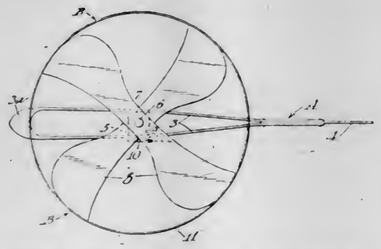
2,382,346
TOY EXCAVATOR
Edward C. Streater, Spring Park, Minn., assignor to John Brayley, Minneapolis, Minn., as trustee
Application November 20, 1943, Serial No. 511,176
2 Claims. (Cl. 214—146)



1. In a dipper construction for toy excavators, a bucket having a discharge opening, a gate pivotally supported by said bucket adjacent said discharge opening and having a free edge portion

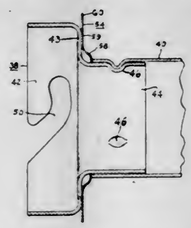
swingable toward and away from said discharge opening, a catch member on said bucket adjacent said opening and adapted to engage said free edge of said gate, and said gate being shiftable partially across said opening and toward and away from said catch member.

2,382,347
TOY HELICOPTER
Edward C. Streater, Spring Park, Minn., assignor to John Brayley, Minneapolis, Minn., as trustee
Application January 6, 1944, Serial No. 517,206
1 Claim. (Cl. 46—75)



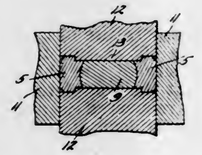
An aerial toy comprising, a frame made up of a pair of laterially spaced side members connected at their forward and rear ends, said side members being relatively thin, connections between said side members to produce a rearwardly streamlined or tapering form, one of the connections between said side members being located at the rear ends thereof and extending upwardly to provide a stabilizer, a propeller rotatably supported on a vertical axis intermediate the ends of said frame and substantially centrally thereof in a transverse direction, and said propeller including a hub in the form of a spool adapted to have a spinning cord wound thereabout.

2,382,348
SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 1, 1944, Serial No. 520,579
3 Claims. (Cl. 285—183)



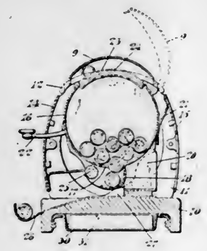
1. The combination with a wall structure defining an opening, of means for connecting a conduit to said opening, comprising a first cylindrical portion adapted to be inserted into and to fit loosely within said opening, a second cylindrical portion rigidly secured to one end of said conduit, a wall interconnecting said first and second portions, a separate flexible annular member disposed between and retained in position by the end of said conduit and said wall, the outer marginal portion of said annular member extending beyond the periphery of said first portion and said opening and being so disposed that, when said first portion is inserted into said opening, the marginal portion of said annular member abuts tightly against the rim of said opening to form a seal, and means detachably securing said conduit to said opening.

2,382,349
METHOD OF MAKING SELF-ALIGNING BEARINGS
Clarence Gilbert Taylor, Alliance, Ohio
Application August 23, 1943, Serial No. 499,688
7 Claims. (Cl. 29—148)



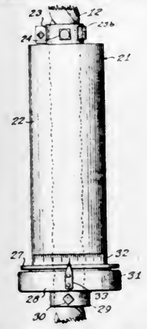
1. The method of making the outer ring member of a self-aligning bearing comprising providing a sleeve member having a substantially cylindrical bore and providing a former member having a spherically formed edge portion, placing the former member within the bore of the sleeve, pressing the metal of the sleeve into pressure-forming contact with the spherical edge of the former member to form on the inner surface of the sleeve a spherical surface corresponding to that of the former member, turning the former member within the spherically formed surface of the sleeve through an angle of substantially 90° about an axis substantially perpendicular to the axis of the sleeve and then removing the former member from the sleeve by relatively moving the former member and sleeve generally along the axis of the sleeve.

2,382,350
CIGARETTE DISPENSER
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application February 4, 1943, Serial No. 474,676
5 Claims. (Cl. 312—77)



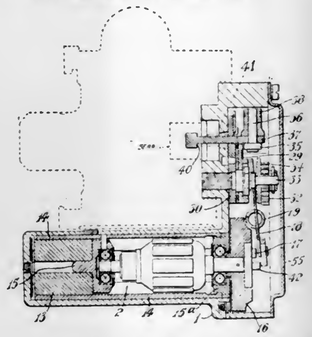
4. A cigarette dispenser comprising a frame, a cylindrical magazine movably mounted therein and having its wall shaped to provide a downwardly opening outlet slot and an underlying trough, together with a single means for both rolling cigarettes in the magazine toward the slot for descent into the trough, and for ejecting from the trough a cigarette previously deposited therein from said magazine.

2,382,351
EXTENSOMETER
Jack B. Thorpe, Long Beach, Calif.
Application June 11, 1941, Serial No. 397,589
1 Claim. (Cl. 73—88)



An extensometer as described comprising a tubular member adapted to be secured at one end to a cable, and having a plate member in rotative engagement therewith at the other end, and adapted to be secured to said cable, and a pointer and scale on said tubular member and plate respectively, adapted to indicate the angular twist thereof between the said places of attachment.

2,382,352
METHOD AND APPARATUS FOR CONTROLLING THE OPERATION OF AUTOMATIC MECHANISM SUCH AS AUTOMATIC GUNS
Henry Trevaskis, Solihull, England, assignor to Dunlop Rubber Company Limited, London County, England, a British company
Application June 12, 1942, Serial No. 446,832
In Great Britain April 18, 1941
11 Claims. (Cl. 89—28)

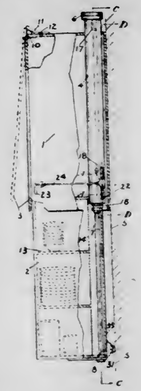


1. Control mechanism for actuating a breech block releasing sear of an automatic gun which comprises an electric motor, a rotating element driven by said motor and having a projection rotating about the axis of rotation of said element, a cam mounted for movement from a normal position and comprising an arm pivoted thereon, said arm extending over the path of rotation of said projection, means arranged to move said arm in a direction transverse to the plane of movement of said projection into the path of said projection whereby said arm is engaged by said projection to move said arm and cam out of said normal position, a latch constructed and arranged to hold said arm and cam out of said normal position, and means actuated by said cam during its movement out of normal position for moving said sear.

2,382,353
METHOD OF CHLORINATING RUBBER
Henry L. Tomkinson, Sayreville, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1942, Serial No. 470,833
4 Claims. (Cl. 260—772)

1. A process of producing chlorinated rubber of a viscosity above 15 centipoises and below 28 centipoises and of improved compatibility with alkyd resins which comprises dissolving rubber in an organic solvent substantially inert to chlorine; passing chlorine gas into the solution thus obtained with the solution at 30–76° C. until the chlorine content of the partially chlorinated rubber is between about 45% and about 59% and there occurs a sudden drop in the rate of heat evolution by the reaction with an accompanying decrease in the rate of reaction of the chlorine, indicating a change in the nature of the reaction; passing gas containing free oxygen into the solution concurrently with chlorine during a period following the said reaction change until the viscosity of the chlorinated rubber recovered from the solution is reduced thereby to the desired value above 15 centipoises but below 28 centipoises, the rate of chlorine addition during the period of concurrent addition with oxygen being substantially reduced as compared with its previous rate of addition and being approximately that at which the chlorine can be absorbed by the rubber solution, the rate of chlorine addition during the period of concurrent addition with oxygen being at all times at least twice that of the oxygen by weight based on pure oxygen, the rate of oxygen addition being sufficiently high to reduce the viscosity to the value desired before chlorination has been completed; discontinuing addition of the gas containing free oxygen; and continuing addition of chlorine alone until the chlorinated rubber is increased in its chlorine content by a minimum of 2% to a content in excess of 64% but not above 75% and chlorination to the desired extent is completed.

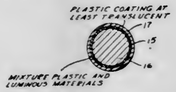
2,382,354
WALL CABINET
Nathaniel B. Wales, New York, N. Y., assignor to Norman Bel Geddes, doing business as Norman Bel Geddes, and Company, New York, N. Y.
Application October 31, 1944, Serial No. 561,259
6 Claims. (Cl. 312—151)



1. A cabinet, adapted to cooperate with a supporting wall, containing a movable shelf element, two laterally spaced rollers secured to the back

of said shelf element, actuating means to lower and elevate said shelf element from and into said cabinet, said actuating means including a vertical guide element means on the shelf element engaging said vertical guide element, said vertical guide element and two rollers serving as a three point suspension to guide said shelf element in its travel from and into said cabinet.

2,382,355
LUMINOUS ROPE
Richard F. Warren, Jr., Stratford, Conn.
Application September 3, 1942, Serial No. 457,207
2 Claims. (Cl. 28—81)



1. A rope for use about excavations, as a tow rope, for highway fences and the like comprising an elongated body, a coating on at least portions of said body and including a luminous, such as a phosphorescent, material whereby the elongated body is self-illuminating and visible in the dark, and a coating of a tough flexible, elastic and at least translucent plastic over such coating including luminous material whereby to protect the same from moisture and abrasion.

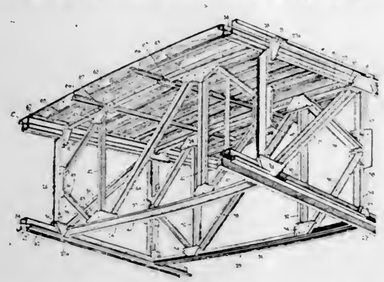
2,382,356
METHOD OF APPLYING METALLIC SKINS TO METALLIC STRUCTURES
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1941, Serial No. 398,599
3 Claims. (Cl. 29—148.2)



3. In the art of making sheet metal fluid-foil covered frame structures for aircraft and the like, the method of applying a continuous sheet metal skin sheet to a distortable framework which consists in disposing the framework and skin sheet in adjacent spaced relation, then moving the ends of the framework into engagement with the skin sheet while maintaining the portion of the framework intermediate said ends spaced from the skin sheet, and while maintaining the skin sheet in the flat securing said ends to the skin sheet, and thereupon moving the intermediate portion of the framework into engagement with the skin sheet and in such movement increasing the distance between said ends and thereby tension-stressing the intervening portion of the skin sheet.

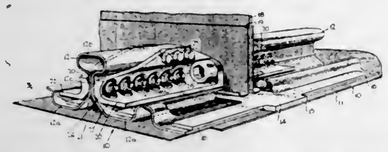
2,382,357
METALLIC SKIN-COVERED STRUCTURE
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 6, 1943, Serial No. 478,231
8 Claims. (Cl. 189—34)

1. A metallic stressed skin structure comprising a thin sheet metal skin having at one side thereof a plurality of spaced, generally parallel, reinforcing stringers, a plurality of skin-supporting ribs having chords adjacent said skin at said one side, said ribs being generally parallel to said stringers and there being a plurality of said stringers at each side of at least one of said ribs, stringer bridging stiffener members disposed above and crosswise of and secured to the tops of said stringers intermediate the ends thereof, there being at least one such bridging member



between adjacent ribs, and terminating adjacent said adjacent ribs, said bridging stiffener members and said rib chords having walls disposed approximately in a common plane parallel to the skin, and means rigidly securing the top of each end of the bridging member to the top of a chord of the adjacent rib.

2,382,358
STRESSED SKIN AIRFOIL JOINT
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1944, Serial No. 520,862
7 Claims. (Cl. 244—131)

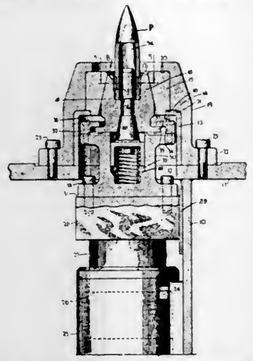


1. In an airfoil structure in combination, a skin blanket including a skin sheet and stringers secured thereto, said stringers including laterally overhanging elements at a distance from the skin, and means for connecting the stringers to an adjacent part including fittings conforming to the shape of the side of the stringers, said fittings having end flanges, means connecting the fittings on opposite sides of a stringer together through the stringer, and means connecting the fittings through their end flanges to the adjacent part.

2,382,359
APPARATUS FOR APPLYING BANDS TO TUBULAR ARTICLES
William A. Weightman, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application May 2, 1942, Serial No. 441,513. Divided and this application May 25, 1943, Serial No. 488,361
8 Claims. (Cl. 78—15)

1. In an apparatus for banding cylindrical articles, band compressing means having a support and a plurality of segmental members arranged on said support about a common axis and being individually radially movable on said support, said segmental members having internal arcuate surfaces circumferentially aligned with each other

to support an annular band and having external axially tapering surfaces, a pressure member having an axially tapered recess complemental to and in engagement with said tapering surfaces, and pressure means for effecting relative axial



movement between said support and pressure member toward each other to cause radially inward movement of said segmental members whereby to radially compress a band carried thereby.

2,382,360
FLOTATION PROCESS
Nathan Weiner, West Forest Hills, N. Y., assignor to Bonneville, Limited, New York, N. Y., a corporation of Delaware
No Drawing. Application November 4, 1940, Serial No. 364,251
4 Claims. (Cl. 209—166)

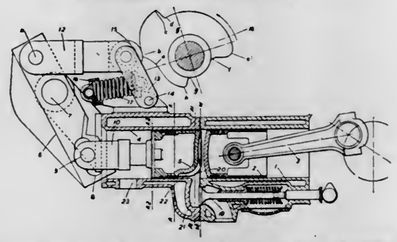
4. The process of separating potassium chloride from a pulp containing potassium and sodium chlorides which comprises subjecting said pulp to froth flotation in the presence of a water-soluble salt of a straight chain alkyl ester of glycine in which the alkyl group contains from six to twelve carbon atoms.

2,382,361
BUILDING STRUCTURE
Paul Lester Wiener, New York, N. Y., assignor to Ratio Structures, Inc., New York, N. Y., a corporation of Delaware
Application March 6, 1944, Serial No. 525,165
7 Claims. (Cl. 108—1)



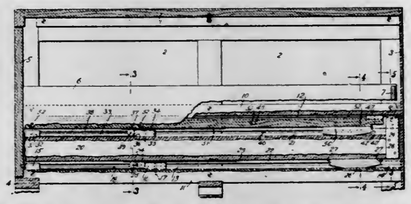
1. A shed comprising arched roof panels made of sheet metal and provided with ribs extending upwardly from a substantially continuous undersurface, said panels being spliced together side by side in overlapping interlocking relation and in end-to-end telescopic relation to form a longitudinally extending arched span, angles welded to the undersurfaces of said span adjacent the side edges thereof, eaves against which said angles abut, said eaves extending longitudinally of the span at the side thereof, and columns connected to said eaves for supporting the eaves and hence the arched span, and exterior struts connected to and extending downwardly and outwardly from said eaves to anchorages to take up wind loading and arch thrust.

2,382,362
INTERNAL-COMBUSTION ENGINE
Falk Weinreb, London, England
Application January 24, 1944, Serial No. 519,511
In Great Britain January 27, 1943
5 Claims. (Cl. 123—78)



1. An internal combustion engine having a cylinder, a main piston which is reciprocated in the cylinder, a chamber communicating with the main cylinder, an auxiliary piston movable in said chamber, means whereby said auxiliary piston is moved in such a manner that maximum compression takes place after the main piston has moved away from the dead centre position and the torque factor has attained a substantial value, ignition taking place when the compression pressure is substantially a maximum, and means whereby the auxiliary piston is moved in the same direction as the main piston after ignition has occurred, so that the pressure in the cylinder is maintained at a desired value during a predetermined part of the expansion stroke of the main piston.

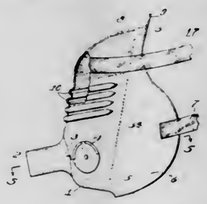
2,382,363
DRAWER GUIDE
Carl F. Wolters and Niels Yde Andersen, Kenmore, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application June 8, 1943, Serial No. 490,052
3 Claims. (Cl. 45—77)



3. A drawer guide comprising upper and lower spaced parrallel casing tracks, an intermediate track slidably mounted between said upper and lower casing tracks and having roller bearing support with the lower edge of said intermediate track adjacent said lower casing track, said intermediate track having a channel formed in the upper edge thereof, a stop block mounted on the front upper edge of said intermediate track having a notch formed in the rear end thereof in said channel, a bearing support mounted in the front end of said channel having the forward end thereof engaged in the notch in said stop block, an intermediate stop block detachably mounted in the channel in the upper edge of said intermediate track having a projecting portion engaging over the rear end of said bearing support and cooperating with the front stop block for retaining said bearing support in engaged relation on the front end of said intermediate track, a bearing roller mounted on said bearing support for movement between said front and intermediate stop

blocks, a drawer guide having a longitudinal channel in the lower edge thereof receiving said bearing roller in said channel with said drawer guide engaged between said intermediate and upper casing tracks for free sliding movement on said bearing roller, and stop and guide blocks on the rear end of said drawer track slidably engaged with the upper casing track and in the channel of said intermediate track respectively, for cooperation with the bearing roller in guiding said drawer track in movement toward and from open position of a drawer carried by said drawer track relative to a casing and cooperating to hold said drawer and intermediate tracks in slidably interengaged relation for limited movement.

2,382,364
FACEPIECE
William P. Yant, Murraysville, Pa., assignor, by direct and mesne assignments, of one-half to Mine Safety Appliances Company, Pittsburgh, Pa., and one-half to Rudolph Fink, Dayton, Ohio
Application December 13, 1941, Serial No. 422,791
8 Claims. (Cl. 128—141)

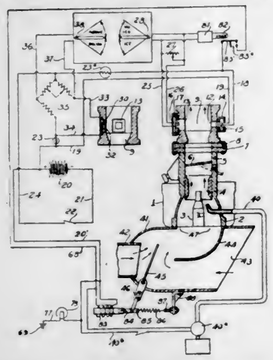


1. A facepiece comprising a body of protective material shaped to generally conform to the facial contour of the wearer, an inlet connection, means to seal the body to the wearer, means attached to the material to retain the facepiece in a protective position and exert pressure thereon and accomplish a sealed fit to the face, and at least one corrugation formed integrally in the body transversely thereof to yieldably relieve uncomfortable stresses exerted by mounting and by movements of the mouth during wearing of the facepiece without interfering with the seal of the body to the wearer.

2,382,365
CARBURETOR ICE WARNING GAUGE
John F. Carssow, Los Angeles, Calif., assignor to Sam M. Jarvis, Glendale, Ferris I. Palmer, Burbank, and Erwin Fetschke, Glendale, Calif.
Application November 28, 1941, Serial No. 420,829
4 Claims. (Cl. 261—1)

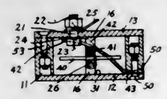
1. Means responsive to the accumulation of ice in a carburetor system comprising a means for mixing air and fuel, a fuel passage through which said commingled fuel and air passes, a photoelectric element, a source of light, means for passing said light through said fuel passage to energize said photoelectric element, an electric circuit including said photoelectric element, and means in said circuit responsive to the variation in intensity of the beam of light.

3. A carburetor system comprising a means for mixing air and fuel, a fuel passage through which said commingled fuel and air passes, a mixing venturi, a throttle, a passageway beyond said venturi, a plurality of opposed windows in the walls of said passageway, a light source at one of said windows, a photoelectric element at another of said opposed windows, an electrical circuit including said photoelectric element, means in said electrical circuit responsive to the variations of intensity of illumination upon said



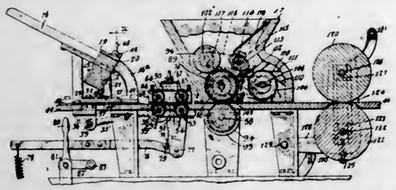
photoelectric element resulting from accumulation of ice on said windows, and means responsive to said last named means for controlling the temperature of the air entering said carburetor.

2,382,366
HOLDER FOR PIEZOELECTRIC CRYSTALS
Christopher Sydney Cockerell, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 16, 1944, Serial No. 522,583
In Great Britain November 10, 1942
10 Claims. (Cl. 171—327)



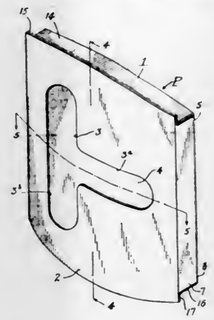
1. A holder for a piezo-electric crystal including at least one pair of rollers adapted to hold between them a piezo-electric crystal in such manner that one roller engages the crystal on its one face and the other roller engages the crystal on its other face, said one roller being rigidly fixed to a support and the other being spring urged towards said one roller so as to grip the piezo-electric crystal between the rollers on its nodal line of electric pressure.

2,382,367
GRID PASTING MACHINE
George A. Donath, Los Angeles, Calif.
Application February 28, 1941, Serial No. 380,986
7 Claims. (Cl. 226—39.6)



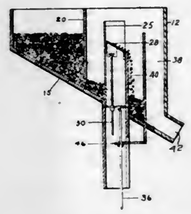
1. Apparatus of the type described comprising means supporting grids to be pasted for linear movement in a fixed path, means for moving grids along said path, means driven in synchronism with the movement of said grids for continuously forcing paste into grids as they move through said path, said pasting means comprising: a pasting roller positioned above said path with its lower surface in close proximity to the upper surface of grids moving along said path, means for supplying paste to the peripheral surface of said roller to transfer paste therefrom to grids moving therebelow, said pasting roller having peripheral grooves in axially spaced relation thereon, and said grid-supporting means comprising longitudinal rails for contacting the upper sides of grids as they move past said rollers, said rails being received in said peripheral grooves in said roller.

2,382,368
PACKAGE
Walter Mitchell, Jr., Scarsdale, N. Y.
Application August 7, 1941, Serial No. 405,853
17 Claims. (Cl. 206—56)



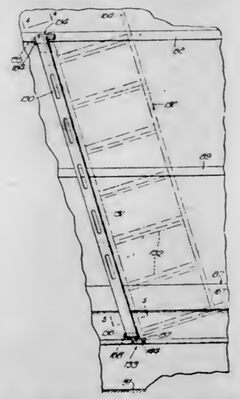
1. A container comprising: a single sheet of material folded to provide front and rear walls; side walls; and oppositely bowed end walls interconnecting said front and rear walls, said front wall being convex and said rear wall being concave with said front and rear walls lying substantially parallel with each other, said front wall having an opening through which the contents of said container may be withdrawn.

2,382,369
DISPENSING APPARATUS
Graydon Smith, Concord, Mass., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts
Application February 26, 1943, Serial No. 477,190
5 Claims. (Cl. 222—205)



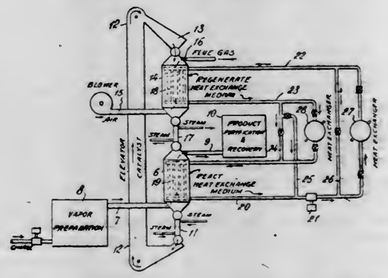
1. A dispensing apparatus, comprising a hopper, a vertically reciprocable measuring receptacle mounted to receive in its down position a load from the hopper, means providing a discharge chamber, the receptacle being adapted in its up position to deposit its load into the discharge chamber, and means for causing said load to be discharged from said chamber during a predetermined part of the down travel of the measuring receptacle.

2,382,370
RAILWAY CAR LADDER
James K. Tully, Evanston, Leif Andersen, Chicago, and Basil E. Jones, Flossmoor, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 382,306
7 Claims. (Cl. 228—48)



1. For use in providing access to and from an upper berth in a vehicle, a ladder comprising spaced side pieces supporting a plurality of rungs, a pivot support at the bottom of one side piece including a male portion and a female portion, one of said portions being fixed on the lower end of said side piece and the other being stationarily mounted adjacent thereto, a pivot support at the top of said side piece including a male portion and a female portion, one of said portions being attached to said side piece and the other being stationarily mounted adjacent thereto and adjacent to the upper berth, said pivot supports being horizontally offset from each other, thereby mounting said side piece in an inclined position, the ladder pivotally swinging about said side piece from an inoperative position adjacent to the berth to an operative position projecting at a right angle from the berth, and means limiting the swinging movement of the other side piece for supporting the ladder in operative position.

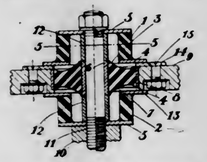
2,382,371
HYDROCARBON CONVERSION PROCESS
Ernest Utterback, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,619
4 Claims. (Cl. 196—52)



1. That method for the conversion of hydrocarbons comprising the steps of flowing hydrocar-

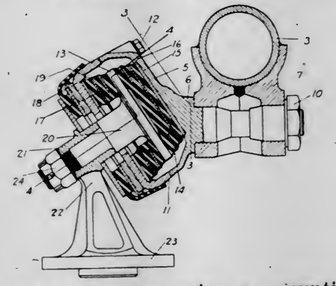
bon reactants at reaction temperature in contact with a moving confined stream of contact mass particles of relatively small size, each of which composite particles comprises a core particle of refractory adsorptive material and a metal sheath closely engaged thereto in supporting relationship therewith while permitting access of reactants thereto.

2,382,372
RESILIENT MOUNTING
Leon Wallerstein, Jr., Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 29, 1942, Serial No. 463,739
7 Claims. (Cl. 248—358)



1. In a resilient mounting having members for connection between a load and a support, a sandwich unit having opposed plates connected by a resilient element such as rubber, one sandwich plate being secured for movement with one of said members and the other sandwich plate slidably engaging the other of said members to provide friction damping.

2,382,373
FRICTIONAL CONTROLLING DEVICE FOR ROTATING BODIES
Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 15, 1943, Serial No. 494,792
6 Claims. (Cl. 248—5)

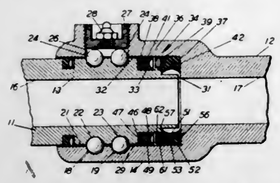


1. In an engine suspension, a mounting extending transversely to the torsional and pitch and yaw engine vibrations and comprising members for connection respectively to the engine and its support and including resilient means acting between said members to resist vibration thrusts communicated by one to the other thereof; a vibration controller comprising a pair of relatively movable friction members having opposed surfaces frictionally contacting each other, and a yielding backing having spaced faces fixed respectively to one of said friction members and one of said mounting members providing for limited shear action of said backing upon initial relative movements of said mounting members without imparting sliding to said friction members and to effect sliding movements between said friction members upon yielding of the backing beyond said limit.

2,382,374
WOOD IMPREGNATION
Galen Wood, St. Louis, Mo., assignor to Wood Treating Chemicals Company, St. Louis, Mo., a corporation of Illinois
No Drawing. Application October 6, 1941, Serial No. 413,829
3 Claims. (Cl. 117—116)

1. In the process of preserving wood by impregnation with wood-preserving fluids of the character in which an organic wood preservative is carried in a light organic solvent, the steps consisting of immersing wood in a bath of the preservative solution at atmospheric pressure and substantially at atmospheric temperature, increasing the pressure until a substantial degree of impregnation is effected, reducing the pressure to atmospheric, and, while the wood is immersed in preservative solution of the same composition to the aforesaid baths, heating the impregnated wood at atmospheric pressure at temperatures in the range of 125–225° F. until the temperature of the interior impregnated portions of the wood are substantially equalized with the exterior temperature of the wood.

2,382,375
FLEXIBLE PIPE COUPLING
Frank M. Allen, Azusa, and Clyde B. Taylor, Long Beach, Calif., assignors to The All-Flex Corporation, Los Angeles, Calif., a corporation of California
Application January 9, 1942, Serial No. 426,207
3 Claims. (Cl. 285—97.3)

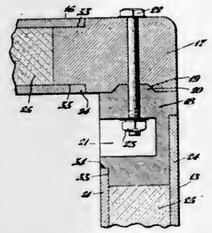


1. In a swivel pipe coupling of the character described, a pair of pipe elements, means interconnecting said pipe elements in co-operative relationship for rotation with respect to each other, and packing means disposed within a recess between said pipe elements, said packing means comprising a pair of packers, each of said packers having a face making contact with each of said pipe elements, means associated with each of said packers for predetermining which of said faces thereof shall slip with respect to the pipe element contacted thereby, and said respective slip faces of said two packers being in planes disposed angularly with respect to each other whereby displacement of either of said pipe elements with respect to each other would have to be in at least two different directions before such displacement would disturb said engagement of both of said slip faces.

2,382,376
KNOCKDOWN BODY FOR TRAILERS
James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Ohio
Application September 9, 1943, Serial No. 501,654
1 Claim. (Cl. 296—27)

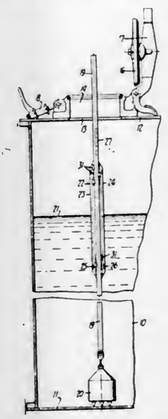
In a knockdown body for trailers, panels forming end walls, side walls and a roof, each panel comprising marginal structural frame members and relatively thin panel sheets recessed in the

frame members on the opposed faces thereof and providing therebetween cavities for the reception of insulating materials, the mating edges of each adjoining pair of panels having correspondingly raised and grooved portions forming mortise and tenon joints at the corners of the body and continuously around the top, one panel at each joint having a plurality of recesses formed in the struc-



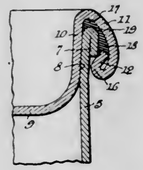
tural frame member thereof at spaced points, said points being disposed between the edge of the panel and the edge of the adjacent panel sheet, and fastening members extending from the recesses through the mortise and tenon joint to the exterior of the other sheet forming the joint, said recesses being disposed on the interior of the body to facilitate periodical tightening of the fastening members.

2,382,377
LIQUID LEVEL INDICATOR
Robert W. Blake, Chicago, Ill., assignor to Shand & Jurs Company, a partnership composed of Albert E. Jurs, Raymond M. Young, Peter C. Jurs, and Eugene E. Jurs
Application March 5, 1941, Serial No. 381,778
2 Claims. (Cl. 33—126.7)



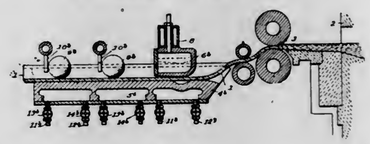
2. An indicator for quick attachment to, and lengthwise adjustment along, an elongated gauging element of the kind which is adapted to be employed in connection with the measuring of liquid in a container, said indicator comprising companion, elongated sections arranged in side-by-side relation, a plurality of gripping elements spaced along said sections for supporting said sections as a unit on said gauging element lengthwise of, adjacent, and in parallel relation with respect to, the latter, whereby said unit may be partially immersed in said liquid to indicate the level thereof, certain of said gripping elements being fixed to each of said sections and overlapping the other section, resilient means for urging said sections apart, said elements having portions which, by the action of said resilient means on said sections, are caused to engage opposite sides of said gauging element in such a manner as to prevent detachment of said indicator except by the movement of said sections toward one another against the action of said resilient means.

2,382,378
EASY OPENING, RECLOSABLE CONTAINER
Clyde H. Bloedorn, Evanston, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 2, 1943, Serial No. 508,729
3 Claims. (Cl. 220—60)



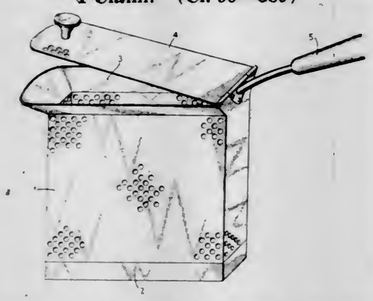
1. In a container, a body having an open end defined by an outwardly turned hem, a cover of the pry-off type having a heel portion insertible in said open end and an outwardly turned flange terminating in an inwardly turned bead, and sealing compound applied to the under surface of said flange only and extending from said heel portion over to and in contact with the inwardly turned extremity of said bead, said flange extending outwardly and downwardly about the hemmed end of the container in position for pressing the sealing compound in tight sealing contact over and against the outer face of said hem with the inwardly turned portion of the cover bead engaging in metal to metal contact with and extending under the lower extremity of said hem as a yieldable lock shoulder.

2,382,379
APPARATUS FOR THE CONTINUOUS PRODUCTION OF CORRUGATED GLASS SHEETS
Louis Boudin, Saint-Gobain, France; vested in the Alien Property Custodian
Application May 4, 1940, Serial No. 333,410
In France May 23, 1939
4 Claims. (Cl. 49—33)



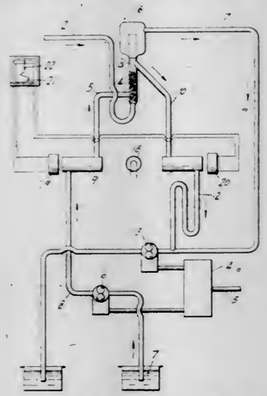
1. An apparatus for the continuous production of corrugated glass comprising a melting tank provided with an outlet end, means for withdrawing continuously a sheet of glass therefrom in substantially flat form, a stationary shaping element provided with a corrugated glass-receiving surface arranged to receive said sheet of glass and shape the same, means for applying pressure to the glass sheet to force it to conform to the corrugated surface of the shaping element comprising a plurality of revoluble spherical members, and means for restraining said members against lineal travel in the grooves of said corrugated surface, said members being of a size corresponding to that of said grooves.

2,382,380
TOASTING DEVICE
Harold H. Buttner, Rye, N. Y.
Application August 13, 1942, Serial No. 454,647
1 Claim. (Cl. 99—389)



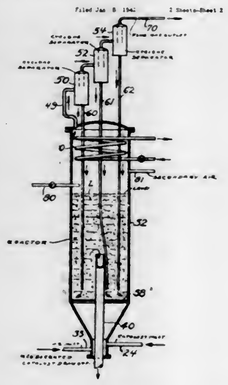
A device for heating dry cereal for use with an electric toaster of the kind having a bread slot, comprising a cereal container in the shape of a rectangular prism having overall dimensions substantially corresponding to the dimensions of a slice of bread and having an open top provided with a flared extension, a closed bottom and perforated side walls, and further comprising a handle secured to the flared extension on the top of the container for facilitating removal of the container from the bread slot of an electric toaster.

2,382,381
GAS TESTING METHOD AND APPARATUS
Willard Rigg Calvert, Burnham, and Ben Elwood White, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 10, 1941, Serial No. 387,896
8 Claims. (Cl. 23—232)



1. In a method of determining the proportion in which a constituent of a gas or vapor of variable constitution is present therein during an interval of time, the steps of continuously withdrawing from said gas or vapor throughout said interval a stream thereof, continuously passing through a common path and in intimate contact said stream and a stream of liquid containing a reactant substantially uniformly dispersed therein which affects the radiant energy transmission of said liquid upon contact with said constituent, then separating the unabsorbed portion of the gas stream from the liquid stream, ascertaining the change in the radiant energy transmission characteristics of the separated liquid stream as compared to the liquid stream prior to intermingling with the gas or vapor stream in the common path, again combining the separated liquid stream with the unabsorbed portion of the gas stream, discharging the combined stream, and maintaining a substantially constant ratio between the volumetric rate of such discharge and the rate of supply of the reactant-containing liquid stream to the common path.

2,382,382
PROCESS FOR THE REACTIVATION OF CATALYST
Leonard E. Carlsmith and Henry J. Ogorzaly, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 8, 1942, Serial No. 425,978
10 Claims. (Cl. 252—242)

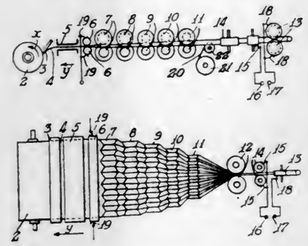


1. In the continuous regeneration of a powdered catalyst material containing carbonaceous deposits, the improvement which comprises feeding the powdered fouled catalyst together with regeneration gas containing free oxygen upwardly into the lower portion of a reaction zone, regulating the flow of regeneration gas to such a value that the catalyst forms a lower phase of high density within the reaction zone and above that a phase of extremely low density, burning carbonaceous deposits from the catalyst within said phase of high density, burning in said phase of extremely low density combustible substances passing from said phase of high density with the regeneration gas into said phase of extremely low density, withdrawing the bulk of regenerated catalyst downwardly from said phase of high density, withdrawing spent regeneration gas upwardly from said zone of extremely low density and recovering a substantial portion of the heat of said phase of extremely low density by means of a fluid being in heat exchange relationship with the regeneration gas after its entry into said phase of extremely low density.

2,382,383
PURIFICATION OF ACRYLONITRILE
Erwin L. Carpenter, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 27, 1942, Serial No. 448,838
4 Claims. (Cl. 260—464)

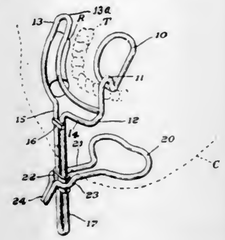
1. The method of removing acetylene polymers from crude acrylonitrile which comprises treating the crude acrylonitrile with a quantity of a halogen selected from the group consisting of bromine and chlorine sufficient to halogenate the acetylene polymers and insufficient to halogenate any substantial quantity of the acrylonitrile, separating and recovering the acrylonitrile therefrom.

2,382,384
PROCESS FOR THE MANUFACTURE OF SHAPED METAL PRODUCTS
Camillo Cito, Uccle-Brussels, Belgium; vested in the Alien Property Custodian
Application February 3, 1941, Serial No. 377,252
In Belgium January 19, 1940
2 Claims. (Cl. 29—188)



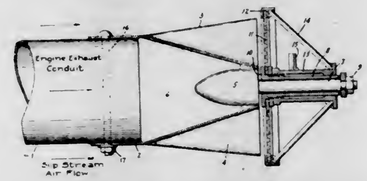
1. A process for the manufacture of sectioned metal products consisting in cutting a continuous thin and wide band having a cross section approximately equal in area to that of the desired product from a cylindrical work piece, folding said band longitudinally into numerous folds, placing longitudinally against the band a continuous wire of a metal different from that of the band, bringing together the faces of consecutive folds until they contact, heating the resulting thicker and narrower strip to welding temperature, and rolling the strip so heated to the desired section.

2,382,385
ABSORBENT HOLDER
Park N. Condit, Newton, Mass.
Application May 29, 1943, Serial No. 488,989
3 Claims. (Cl. 128—346)



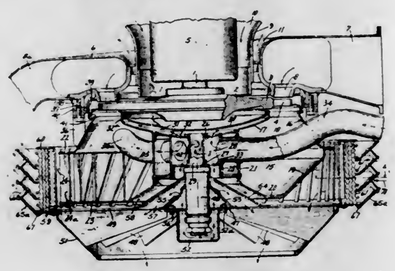
1. An absorbent holder in combination with an attaching member, comprising a tongue portion, a lip portion, a bridge portion extending between and connecting said tongue and lip portions, a jaw portion connected to said lip portion, a chin portion extending downwardly from a point intermediate said lip and jaw portions when in position of use, said lip portion extending in a direction away from said jaw portion and laterally of said chin portion and then connecting with said bridge portion, and an attaching member cooperable with said chin member to attach said holder to a patient.

2,382,386
GAS ENGINE EXHAUST FLAME QUENCHER
Richard P. Arms, Cambridge, Mass., assignor to General Electric Company, a corporation of New York
Application June 29, 1942, Serial No. 449,041
5 Claims. (Cl. 60—31)



1. For use in connection with an exhaust conduit of an internal combustion engine, a flame quencher comprising a casing structure having longitudinally extending crimps which define passages for the flow of cooling medium, a screen over the end of said structure, and means for effecting rotation of said screen.

2,382,387
GAS TURBINE
Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application December 3, 1942, Serial No. 467,734
7 Claims. (Cl. 60—13)

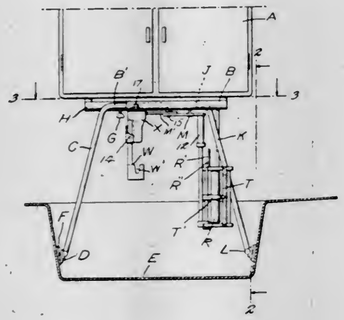


1. The combination with an aircraft having an engine, of walls forming an exhaust housing located in the path of flow of the aircraft slip stream, said housing having an exhaust opening on the down stream side of the housing, a movable cooler for the exhaust gases which surrounds said housing and is adapted to rotate over said exhaust opening, means for effecting flow of cooling air over said cooler, and means actuated by the slip stream air flow for effecting rotation of said cooler.

2,382,388
WRINGER
Horace H. Beasley, North Bergen, N. J.
Application October 3, 1942, Serial No. 460,713
6 Claims. (Cl. 68—244)

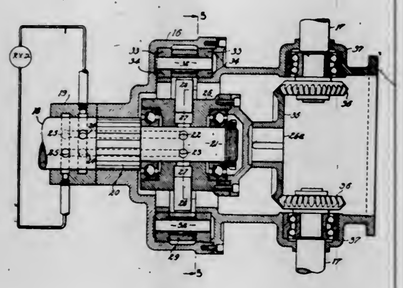
1. A wringer comprising a substantial U-shaped, substantially rigid frame, a first and second wringer roll, two first cross arms, positioned and shaped to rotatably support therebetween said first wringer roll and substantially rigidly secured to one of the legs of said frame, and two second cross arms, positioned and shaped to rotatably support therebetween said second wringer roll in cooperating position with said

first wringer roll and pivotally hinged against spring force in substantially rigidly spaced rela-



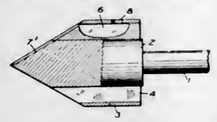
tion to the other leg of said frame for substantially resilient cooperation between said first and second wringer rolls.

2,382,389
PROPELLER MECHANISM
Elek K. Benedek, Bucyrus, Ohio
Application May 24, 1941, Serial No. 395,080
1 Claim. (Cl. 170—163)



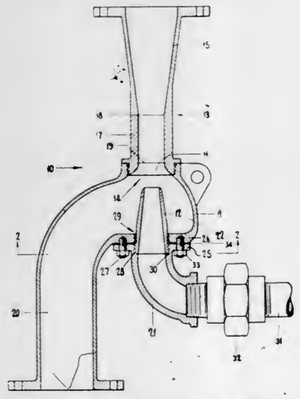
In a propeller mechanism, a rotatable hub; hydraulic motor casings fixed to said hub at circumferentially spaced points to rotate therewith; propeller blades mounted on said casings respectively for pitch varying movements about axes radial to the axis of rotation of said hub; a rotary piston and cylinder assembly hydraulic motor in each of said casings, each motor having a central valve pintle whose axis is radial to the hub, each pintle being secured to the hub to rotate bodily about the hub axis, each motor also having a cylinder barrel rotatable about the associated pintle and sets of combined radial load and axial thrust transmitting roller bearings interposed between the pintle and cylinder barrel and spaced axially of the pintle, reactance means carried by the associated motor casing, pistons reciprocable in the cylinders radially with respect to the axis of the pintle, and connections between the pistons and the reactance means; and means securing said blades to the cylinder barrels of the respectively associated motors with the blades extending radially to said hub, whereby said roller bearings mount both said cylinder barrels and said blades to turn anti-frictionally on said pintles and without any movement radially of said hub.

2,382,390
SOLDERING IRON
Seymour Bergman, Dover, N. J.
Application December 17, 1942, Serial No. 469,291
3 Claims. (Cl. 113—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A soldering iron comprising a shank having a heating element formed with a tapered and pointed front end and having a groove in its tapered portion extending to the apex thereof, a collar surrounding the heating element and terminating at its forward end at the inner end of said groove, said collar being formed with a tapered forward end and a solder-receiving well in its periphery and a solder passage in its tapered portion opening at its upper end into said well and at its lower end registering with the groove in the tapered portion of the heating element so as to form a continuous passage for the molten solder from the well to the apex of the heating element, and means surrounding the said collar and separable therefrom for retaining the molten solder in the well in various positions of the iron.

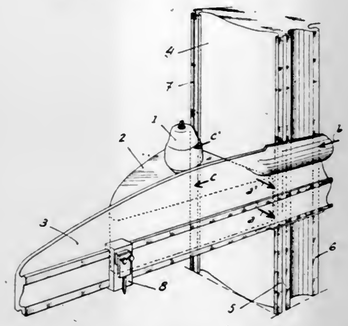
2,382,391
EDUCTOR
Philip Berman, New York, N. Y.
Application January 24, 1944, Serial No. 519,555
2 Claims. (Cl. 103—260)



1. In a stream-lined water eductor, an elongated hollow body for driven water, said hollow body having an opening in its lower face and a cylindrical metering or mixing chamber of circular cross-section for drive and driven water at its upper portion, said mixing chamber being of uniform cross-section and being defined by upper and lower metering planes, a curved elbow-shaped pressure water inlet having an opening in its upper face, a conical nozzle for drive water under pressure mounted in said opening, the outlet edge of said nozzle being of substantially knife-edge thickness to permit merging of said drive and driven streams of water without turbulence, said nozzle passing freely through said lower face opening in said hollow body, the upper elevation of said nozzle being positioned considerably above the largest cross-section of said

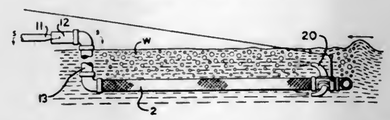
hollow body, releasable means for securing said elbow-shaped inlet to said hollow body to bring said nozzle into axial alinement with the axis of said mixing chamber, said hollow body being of circular cross-section and in equally spaced circumscribing relation around said nozzle and providing a balanced storage chamber of constantly diminishing cross-sections toward the outlet from said nozzle, said hollow body having an inlet positioned to one side of said nozzle and in parallel relation with the axis of said nozzle, the lower portion of said nozzle projecting below the lower wall of said hollow body, the inner contour of said nozzle being positioned so as to form a direct continuation of the contour of said curved elbow-shaped inlet, and substantially without loss of energy due to shock in passing through said mixing chamber whereby turbulence is avoided and the full pressure of the drive water is maintained up to the point of entrance to said nozzle and without loss of energy through said nozzle.

2,382,392
RAIL CLAMPING DEVICE FOR PLANERS AND THE LIKE
Charles William Berthiez, Paris, France; vested in the Alien Property Custodian
Application October 16, 1941, Serial No. 415,230
In France December 4, 1940
20 Claims. (Cl. 90—38)



1. In a machine tool having a vertical column and a horizontal member slidably mounted on the front face and at least one side, means for clamping said member in a selected position on said column comprising clamping elements carried by said member and movable into and out of clamping engagement with side portions and with the back of said column, a rotatable shaft for actuating said elements, and equalizing means operatively interposed between said shaft and said clamping elements for equalizing the force with which said elements are clamped on said column.

2,382,393
WAVE DAMPING DEVICE
Warren G. Billé, Seattle, Wash.
Application August 8, 1942, Serial No. 454,197
18 Claims. (Cl. 61—6)



1. A mobile wave damping device comprising a flexible hose submersible beneath the surface of the water, constructed for escape of gas therefrom along its length, means anchoring one end of said hose, and a reaction nozzle carried by the opposite end of the hose for discharge therefrom of fluid flowing through the hose, thereby to exert upon such hose end a force to extend the hose lengthwise.

2,382,394
TREATMENT OF HYDROCARBONS
John George Mackay Bremner, Peter William Reynolds, and Arthur William Charles Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 18, 1941, Serial No. 398,680. In Great Britain June 21, 1940
4 Claims. (Cl. 260—683.3)

1. In a process for the catalytic dehydrogenation of normally gaseous paraffin hydrocarbons to the corresponding olefines, the use of a catalyst comprising at least one of the chromium compounds selected from the group consisting of potassium chromate, sodium chromate, zinc chromite, zinc chromate, zinc dichromate, together with a product obtained by cautious thermal decomposition of a precipitate produced from an aqueous solution containing an aluminium salt and a compound selected from the group consisting of ammonium dichromate, ammonium chromate, chromium trioxide, by adding thereto precipitant selected from the group consisting of ammonia, ammonium bicarbonate, ammonium carbonate, in an amount at least sufficient to give substantially complete precipitation of the aluminium, said chromium compound being present in an amount by weight between 0.05% and 5.0% of the said product.

2,382,395
METHOD OF AND APPARATUS FOR DIRECT REDUCTION OF IRON ORES
Arthur T. Cape, Santa Cruz, Calif., and Charles V. Foerster and Howard L. Griswold, Canton, Ohio, assignors to Coast Reduction, Inc., Watsonville, Calif.
Application June 30, 1942, Serial No. 449,088
8 Claims. (Cl. 75—34)

1. The method which comprises causing an ore to be gradually moved downwardly in a multiple-hearth type furnace, generating a reducing gas consisting principally of carbon monoxide and hydrogen by interaction in a gas generator of natural gas preheated to a temperature of at least 1000° F. and air preheated to a temperature of at least 1600° F., causing said reducing gas to move upwardly through said furnace in countercurrent relation to the ore, cooling the ore moving parts of said furnace by means of air, removing the cooling air after it has served its purpose to a heater whereby said air is further heated, utilizing said heated air in said gas generator, removing the spent or partially spent reducing gas from said furnace, and utilizing said removed gas in the burners of said heater and the heater by which the natural gas is preheated.

6. The method of reducing iron ores which comprises gradually moving the ore downwardly through a multiple-hearth type furnace, and, at the same time, introducing a reducing gas into said furnace at a plurality of the hearth levels thereof and causing said gas to move upwardly through said furnace in countercurrent relation to the ore, the introduction of said gas at a plurality of hearth levels serving to control temperature variations throughout the furnace.

2,382,396
THREE-IN-ONE GARMENT
Anne Nathalie Carlu, New York, N. Y.
Application July 19, 1943, Serial No. 495,325
11 Claims. (Cl. 2—88)



1. A garment comprising a coat body having shoulder portions provided with arm openings, detachable sleeves connected to the shoulder portions at the edges of the respective arm openings for disposition on the exterior of the coat body when attached, and means for closing said openings when the sleeves are detached to form a cape, the means for closing the arm openings also serving as the means for attaching the detachable sleeves.

2,382,397
PREPARATION OF CAMPHENE FROM PINENE
William F. Carson, Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1943, Serial No. 495,643
13 Claims. (Cl. 260—675.5)

1. The process of isomerizing a pinene-containing material, which comprises heating said material in the presence of a chlorite until isomerization is at least partially complete.

2,382,398
TRANSPARENT MIXTURE
Tulio Cordero, West Roxbury, Mass., assignor to United-Rexall Drug Company, a corporation of Delaware
No Drawing. Application February 18, 1942, Serial No. 431,367
2 Claims. (Cl. 252—312)

1. A clear, transparent mixture of an oil, water, a sorbitan monolaurate, and a condensation product of mannitan monolaurate with ethylene oxide.

2,382,399
TREATMENT OF CELLULOSE
Robert B. Darling, Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1941, Serial No. 398,981
10 Claims. (Cl. 260—229)

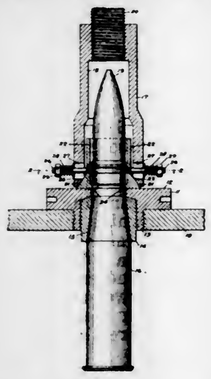
1. In the preparation of cellulose in a form suitable for esterification to an ester of a lower fatty acid of improved heat stability and haze characteristic, a process which comprises adding a magnesium compound to a processing water containing 0–100 P. P. M. of dissolved calcium and less than 5 P. P. M. of dissolved magnesium, the quantity of magnesium compound added being sufficient to form a solution containing 5–100 P. P. M. of dissolved magnesium and containing at least one-third as much magnesium as calcium, and treating purified cellulose with the resulting solution to incorporate therein a quantity of magnesium between about 0.001% and about 0.03% by weight of the cellulose.

2,382,400
WRAPPER FOR WOUND FILAMENTARY MASSES
Ferdinand A. Decker, Jr., and Lynwill K. Spangler, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 16, 1943, Serial No. 506,526
4 Claims. (Cl. 229—87)



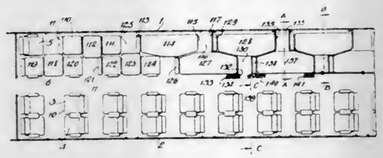
1. A protective cover for wound annular filamentary packages comprising an open-ended sleeve-like member of permeable paper or paper-like material of sufficient thinness and flexibility to be readily conformed generally to both the inside and outside peripheral surfaces of an annular package and having a multiplicity of spaced short slits arranged longitudinally in rows extending generally parallel to the axis of the member, the slits in some of the rows being staggered so that their geometric projections extend across the gaps between the slits in adjacent rows.

2,382,401
CRIMPING TOOL
James B. Dennis, West Lanham Hills, Md.
Application September 17, 1942, Serial No. 458,664
4 Claims. (Cl. 86—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



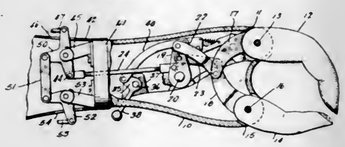
1. In a crimping assembly for a cylindrical member, a stationary base for the said assembly having an aperture for guiding and locating the member and having a plane surface normal to the member axis, a plurality of projection-carrying segments arranged around the member resting on said plane surface and slidable thereon, said segments having conical outer portions and the projections thereof being adapted to engage and deform said member, and a reciprocable sleeve adapted to be pressed downwardly relatively to the said stationary base into engagement with conical portions of said segments to move them inwardly for crimping said member.

2,382,402
PASSENGER ACCOMMODATIONS IN VEHICLES
Trimble de Roode, New York, N. Y.
Continuation of application Serial No. 141,779, May 10, 1937. This application October 16, 1943, Serial No. 506,545
25 Claims. (Cl. 244—118)



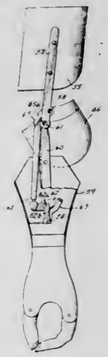
1. In a vehicle cabin, the combination of a double row of longitudinally extending berths lying alongside of one another and all to the same side of an aisle, the berths of one row being staggered relative to the berths of the other row, each berth being of varying width, the maximum width of each berth of one row being alongside the minimum width of the berths of the other row.

2,382,403
ARTIFICIAL HAND AND MEANS FOR ACTUATING THE SAME
Frank V. Eberle, Newark, N. J.
Application May 21, 1942, Serial No. 443,889
2 Claims. (Cl. 3—12)



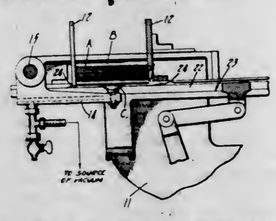
1. An artificial hand to be actuated by the movements of two pegs of the class described, passed through suitable muscles of an arm stump and controlled by contractions of said muscles, said hand including a frame, a series of fingers and a thumb pivoted to said frame, a pair of arcuate levers connected to said fingers and thumb to open and close the hand, said levers being disposed in opposing relationship with their free ends movable in substantially parallel arcs, a crank, a longitudinally movable rod for actuating said crank, links connecting each of said levers to said crank, said links being so disposed as to transform the linear movements of said rod into pivotal clamping and unclamping movements of said fingers and said thumb, a toothed rack movable with said rod and connected to said crank, a pawl for engaging said rack, a leverage mechanism connected to said pawl for moving said rack a predetermined distance, a two-armed lever pivoted to said pawl, a spring between said lever and said pawl whereby said pawl will be disengaged from said rack immediately upon release of said leverage mechanism, a second spring between said lever and said frame for locking said pawl in a predetermined position of said leverage mechanism, a longitudinally movable bar, means pivotally connecting one end of said bar to one end of one of said pegs, a second longitudinally movable bar pivotally connected with one end to the other one of said pegs, a pivotally arranged bell crank having one arm pivotally connected to said longitudinally movable rod and a second arm pivotally connected to the other end of said first bar, and means operatively connecting said second longitudinally movable bar with said bell crank, whereby longitudinal movements of one of said bars cause longitudinal movements of said rod in one direction and longitudinal movements of the other of said bars cause longitudinal movements of said rod in the opposite direction.

2,382,404
ARTIFICIAL HAND AND MEANS FOR ACTUATING THE SAME
Frank V. Eberle, Newark, N. J.
Application December 14, 1942, Serial No. 468,950
6 Claims. (Cl. 3—12)



6. An artificial limb comprising an artificial hand including a frame, a series of fingers and a thumb pivoted to said frame, a pair of arcuate levers connected to said fingers and thumb to open and close the hand, said levers being disposed in opposing relationship with their free ends movable in substantially parallel arcs, a crank, a longitudinally movable rod for actuating said crank, a link connecting each of said levers with said crank, said links being so disposed as to transform the linear movement of said rod with the pivotal movement of said fingers and thumb and means controlled by the movements of the remaining stump of the natural limb for moving said rod, said means including a cup secured to said limb stump, a pivotally supported two-arm lever, a bell-crank pivotally connected to one arm of said two-arm lever, a leverage mechanism connecting said cup with one arm of said bell-crank, a second pivotally supported bell-crank, a link connecting one arm of said first bell-crank to one arm of said second bell-crank and a pivotal connection between the other arm of said second bell-crank and said rod.

2,382,405
SUCTION CUP
Philip E. Eckman, Seattle, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 8, 1944, Serial No. 521,592
3 Claims. (Cl. 294—64)



1. A rubber suction cup for separating sheets from a stack having means for preventing un-

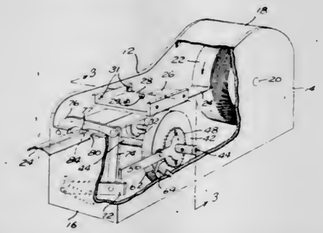
even wearing of the engaging cup surface, comprising an arm having movement into position adjacent the stack, a suction cup carried by said arm for engagement with a sheet for separating individual sheets from the stack when the arm comes adjacent the stack, said cup being freely rotatable in a ball bearing mounted on said arm so as to be adaptable upon movement of said arm to constantly change the position of the cup surface relative to each successive sheet to prevent uneven wearing of the cup surface.

2,382,406

METHOD AND APPARATUS FOR DISPENSING GUMMED TAPE

Ralph E. Engberg, Clayton, Mo.

Application November 11, 1943, Serial No. 509,863
15 Claims. (Cl. 164—42)



1. The method of dispensing pressure sensitive adhesive tape which includes the steps of forming the strip into transverse arcuate shape with the tacky side in, bringing the tacky side of the tape into contact with feed means with sufficient pressure to cause the strip to adhere to the feed means by the action of its own tacky surface, and advancing the feed means to feed tape while maintaining said strip in substantially transverse arcuate shape.

2,382,407

EXTRACTION PROCESS

Arvid M. Erickson, San Jose, and John D. Ryan, Campbell, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California

No Drawing. Application February 12, 1942, Serial No. 430,613
15 Claims. (Cl. 99—105)

1. The process of extracting sweetening ingredients from fruit, which comprises pressing the fruit in the form of a finely ground pulp having intimately admixed therewith a substantial quantity of fibrous material and recovering the sweetening ingredients pressed out.

2,382,408

WITHDRAWN

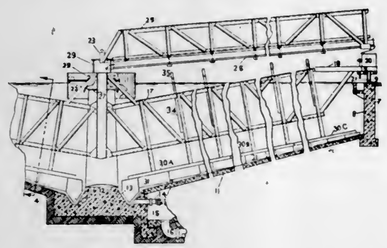
2,382,409

THICKENER APPARATUS

John H. V. Finney, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware

Application September 28, 1942, Serial No. 459,909
12 Claims. (Cl. 210—55)

1. In a thickener of the traction-drive type, inclusive of a tank having an overflow determining a liquid level in the tank, and a truss mounted for rotary movement in the tank, the improvement which comprises a plurality of submerged scraper members carried in a depending position on said truss between its center and outer extremity, each said scraper member being pivotally mounted on said truss for angular up and down movement in an arcuate course transverse



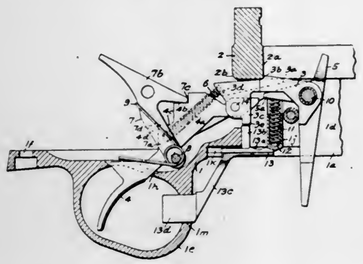
to the lengthwise axis of the truss and being positioned normally in proximity to the bottom of the tank to urge solids settling thereon centrally of the tank, and lifting means connected with each said scraper member and extending above the liquid level in the tank for selective elevation of said scraper members.

2,382,410

TRIGGER MECHANISM

John C. Garand, Springfield, Mass.

Application July 29, 1942, Serial No. 452,769
14 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



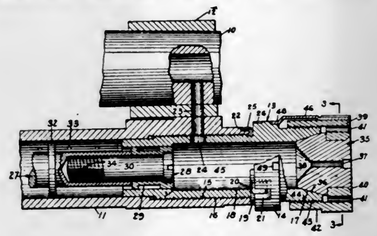
14. In an automatic firearm in combination, a recoiling member reciprocable in a straight line path, a trigger frame, a sear pivotally mounted on the trigger frame and arranged to engage said recoiling member near the forward end of its movement, a trigger pivotally secured to said sear, resilient means mounted between said trigger and said sear and operating to bias said sear into a cocked position relative to said recoiling member, stop means on said trigger frame for limiting the pivotal movement of said trigger under the bias of said first resilient means, means engaging said trigger to provide a fulcrum about which said trigger may be pulled thereby pivoting said sear out of its cocked position, said last mentioned means including a projection extending into the recoil path of said recoiling member and actuated thereby to remove said last mentioned means from engagement with said trigger, thereby permitting said sear to return to its cocked position under the bias of said resilient means to engage said recoiling member in its forward movement.

2,382,411

SPEED REGULATOR FOR AUTOMATIC GUNS

Samuel G. Green, Gray, Ga.

Application October 14, 1940, Serial No. 361,095
10 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



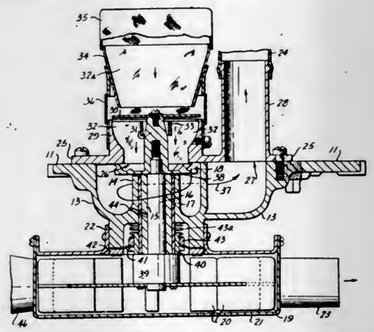
1. A gas regulator for an automatic gun comprising a sleeve having a through cylindrical bore adapted to receive a piston for reciprocable movement in one end portion and being formed with an axially disposed conical valve seat at its opposed end portion, a piston reciprocably mounted in said one end portion of the sleeve, a valve adapted to coact with the valve seat to adjust the passage from the bore past the valve, a valve cage for said valve adjustably mounted on the sleeve having a plurality of circularly arranged ports open to the atmosphere, means securing the valve cage to the sleeve for adjustment to regulate said passage, said sleeve having a port therein intermediate the piston and valve adapted to be placed in communication with the bore of a barrel.

2,382,412

FUEL PUMP

Ralph E. Grey, Osborne, and Louis G. Burns, Dayton, Ohio

Application September 3, 1943, Serial No. 501,082
10 Claims. (Cl. 103—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



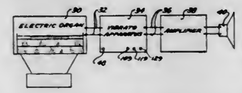
1. A pump assembly comprising the combination of a wind motor having a series of blades carried by a rotatably mounted hub and adapted to be driven by a current of air, means for directing a current of air against the successively rotated blades of said motor along a path secantly with respect to the rotational path of said blades, a liquid impeller rotatable by said motor, a fuel line through which liquid is impelled, and means for automatically controlling the rotational speed of said motor comprising an expansible chamber communicating with said fuel line and adapted to be expanded proportionally responsive to liquid pressure therein, and a damper means in the air current, expansion of said expansible chamber operating said damper means to govern rotation of said blades.

2,382,413

ELECTRICAL MUSICAL APPARATUS

John M. Hanert, Wilmette, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application May 10, 1943, Serial No. 486,409
22 Claims. (Cl. 179—1)



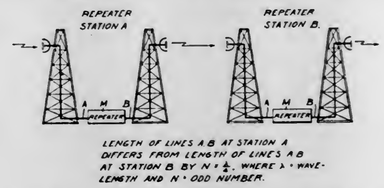
1. In an apparatus for improving sounds derived from a source in the form of electrical waves, the combination of a multi-section artificial line, means to couple the sound signal source to said line, a plurality of junction points substantially uniformly distributed along said line, a condenser plate connected to each of said junction points, a scanning condenser plate cooperable with said first condenser plates effectively to scan said junction points in an oscillatory manner at a vibrato rate, and means to amplify and translate into sound the electrical signal appearing on said scanning condenser plate.

2,382,414

RADIO RELAYING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 7, 1943, Serial No. 471,587
8 Claims. (Cl. 250—15)



1. A radio repeater station comprising a receiving energy collector and a separate transmitting energy radiator, means for supporting said energy collector and said radiator at a distance above ground, electron discharge device translation circuits located at or near the ground, and radio frequency lines which differ electrically by one-quarter wavelength or an odd number of quarter wavelengths at the operating radio frequency connecting said energy collector and said radiator to different parts of said translation circuits.

2,382,415

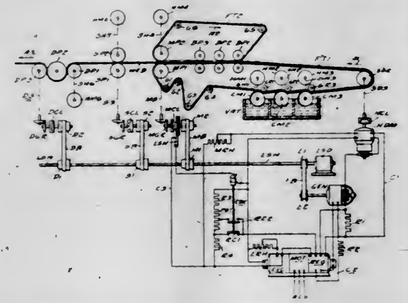
HELPER DRIVE

Walter R. Harris, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 28, 1943, Serial No. 496,405
21 Claims. (Cl. 92—38)

13. With a paper machine having a roll press, a suction drum, a transport band passing over said drum and through said press for supplying pulp to said press, and a master drive for actuating said press, the combination of a helper drive

motor coupled with said drum for driving it so as to relieve said band of tensional stress, a main generator having a variable-voltage output circuit connected with said motor and a field circuit for controlling the output voltage, means for driving said main generator substantially in a given speed relation to said master drive, a regulating generator having a regulating output circuit connected with said main generator field circuit, a constant-speed motor in driving connection with said regulating generator, said regulating generator having at least three coacting field windings for effecting a resultant voltage control on said regulating output circuit, one of said field windings being connected with said regulating output circuit to provide self-excitation for said regulating generator, said other two windings of said regulator generator being wound for differ-



ential action, an impedance element arranged in said output circuit of said main generator and connected with one of said differential windings to excite it in dependence upon an electric magnitude of the current supplied by said main generator to said helper drive motor, an exciter mechanically connected with said motor to be driven thereby simultaneously with said regulating generator for providing a constant exciter voltage, said exciter being connected with said other differential winding, and voltage-adjusting circuit means interposed between said exciter and said latter winding for providing said latter winding with adjustable excitation, said circuit means being rated for causing said excitation to balance the effects of said differential windings on said regulating output circuit when said magnitude corresponds to the selected adjustment of said circuit means.

2,382,416

PROCESS FOR PRODUCING PATTERN EFFECTS ON FABRICS

Georges Heberlein and Ernst Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Continuation of application Serial No. 187,027, January 26, 1938. This application December 14, 1940, Serial No. 370,156. In Germany January 27, 1937

4 Claims. (Cl. 8—115)

2. A process for producing pattern effects in a cellulosic fabric, which comprises: printing the fabric in different patterns and in registered relation with, respectively, a pigment-containing, wash-resistant, water-insoluble reserve which is permeable to shrinkage swelling agents and with a water-soluble reserve which is substantially impermeable to parchmentizing agents, subjecting the fabric to parchmentizing treatment, removing the water-soluble reserve, and subjecting the fabric to shrinking treatment, whereby the fabric is provided with pigmented areas which are at least partially shrunk, also with unpigmented shrunk areas, and also with parchmentized areas.

2,382,417

DISPERSIONS OF ADHESIVES OF THE OIL-IN-WATER TYPE

James O. Hendricks, White Bear Lake, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application February 28, 1940, Serial No. 321,289

25 Claims. (Cl. 260—741)

1. An oil-in-water type dispersion wherein individual dispersed particles each comprise an intimate blend of a polyvalent metal soap and rubber, and are dispersed in an aqueous vehicle.

2,382,418

2-SUBSTITUTED FURAN-3,4-DICARBOXYLIC ACIDS AND THEIR CORRESPONDING SATURATED ANALOGUES

Klaus Hofmann, Summit, N. J., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application September 25, 1942, Serial No. 459,674

9 Claims. (Cl. 260—345)

1. The 2-substituted furan - 3,4 - dicarboxylic acids of the formula

$$(COOH)_2—A—(CH_2)_xR$$

wherein A is a nucleus of the group consisting of the furan and tetrahydrofuran nuclei, the COOH groups being attached in the 3,4-positions of the said nucleus, and the $—(CH_2)_xR$ group being attached in the 2-position of the said nucleus, x being a whole positive integer, and R being a member of the class consisting of a carboxyl group and a group convertible to a carboxyl group.

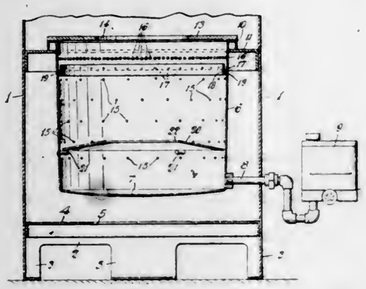
2,382,419

POT TYPE LIQUID FUEL BURNER AND AIR SUPPLY MEANS THEREFOR

Milton D. Huston, Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application June 26, 1942, Serial No. 448,539

7 Claims. (Cl. 158—91)



1. In a pot type burner, a burner pot having a closed end and an open end, and a circumferential wall, said wall having a plurality of primary air inlet apertures spaced circumferentially thereabout at various distances from the closed end of the wall, means for delivering a liquid fuel to the interior of the pot for vaporization, the wall of the pot adjacent the open end being provided with a plurality of secondary air inlet apertures arranged circumferentially about the pot, and means for delivering a flow of air directly across said apertures, closely along the inner face of the pot wall, including a ring slightly inwardly spaced from the inner face of the pot wall and adjacent but vertically out of line with the secondary air inlet apertures, the space between the pot wall and the edge of the ring away from the secondary air inlet apertures being closed, the pot wall having apertures in communication with the space between said ring and the pot wall, said ring being located on the side of the secondary air inlet apertures away from the open end of the pot, whereby the air delivered by said ring is directed toward the open end of the pot.

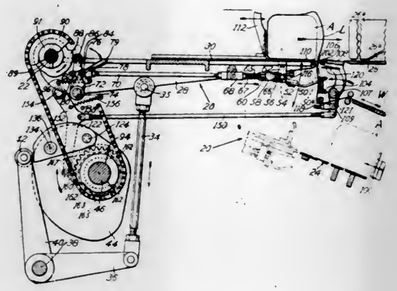
2,382,420

TIGHT-LOOSE WRAP MECHANISM

Thormod Jensen, Laurelton, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application October 8, 1943, Serial No. 505,456

18 Claims. (Cl. 93—2)



1. In a wrapping machine having an infeed guideway, an article foldway located in a plane spaced from said guideway, an article conveyor movable between said guideway and said foldway, and means for moving an article from said guideway onto said conveyor against a wrapper positioned to receive said article to effect partial enwrapping of said article with an unfolded portion of said wrapper extending outwardly beyond said article, mechanism for moving said conveyor from said guideway to a position beyond the planar limits of said foldway, means for holding a portion of said wrapper extending beyond said article while said conveyor occupies said position, and means comprising a part of said mechanism for moving said conveyor into substantial alignment with said foldway for causing said wrapper to be loosely wrapped about said article.

2,382,421

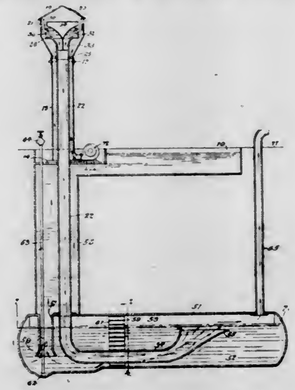
HYDRAULIC GAS COMPRESSOR

Grover C. Johnson and James W. Hathaway, Sr., Buffalo, N. Y., assignors to Buffalo Compressor and Air Conditioning Corporation, Buffalo, N. Y., a corporation of New York

Application April 22, 1944, Serial No. 532,288

16 Claims. (Cl. 230—105)

1. A hydraulic gas compressor comprising a plurality of downwardly tapering induction rings arranged vertically one above another and separated from each other by annular downwardly tapering induction passages and forming a mixing chamber which is surrounded by the several rings, a water supply chamber communicating with the upper end of said mixing chamber, and



an air supply chamber surrounding said rings and communicating with the induction passages between said rings.

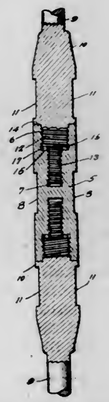
2,382,422

SUCKER ROD CONNECTION

Julius W. Johnson, Austin, Tex.

Application February 3, 1943, Serial No. 474,587

5 Claims. (Cl. 287—125)



1. A rod connection comprising a box having stepped threaded bores in the ends thereof, rod ends, each of the rod ends being formed with stepped threaded portions for disposition into the stepped threaded bores of the box, said stepped portions defining shoulders and spring lock washers between certain of the shoulders adapted to be compressed to permit snug binding of certain other of the shoulders with portions of the box.

2,382,423

METHOD OF MANUFACTURING ELECTRICAL CONDUCTORS

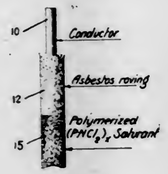
Henry J. Kauth, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application May 22, 1941, Serial No. 394,699

12 Claims. (Cl. 154—2.28)

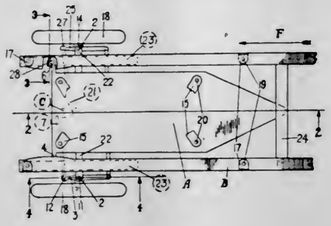
1. The method of manufacturing insulated electrical conductors, which comprises, placing a

flexible fibrous jacket over a conductor, saturating the fibrous jacket with a solution of a partially



polymerized nitrogen halo phosphide in benzol, evaporating the solvent, and further polymerizing the residue in the fibrous jacket.

2,382,424
STEERING STABILIZER
Vernon Kinser, Butterfield, Mo.
Application September 11, 1942, Serial No. 457,921
2 Claims. (Cl. 280—89)

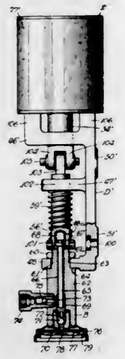


1. In a steering stabilizer for vehicles of the kind described, in combination, a body, wheels, means for suspending said body on said wheels, said means including steering knuckles vertically disposed so as to prevent caster steering response of said vehicle with respect to said body, a motor support member, said motor support member mounted with respect to said body for lateral movement only, a link swingably mounted on said motor support member, and a pair of rod members operatively connecting the ends of said link respectively to said steering knuckles for actuation of said steering knuckles responsive to lateral thrusts of said motor support member.

2,382,425
PROCESS FOR THE PRODUCTION OF UNSATURATED BODIES FROM HEXOSE OXIDATION PRODUCTS
William F. Koch. Detroit. Mich.
No Drawing. Application August 13, 1940, Serial No. 352,410
1 Claim. (Cl. 260—550)

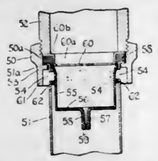
The process of producing ketenes and ketene derivatives, which process comprises preparing a mixture of acetaldehyde, one part; ethyl alcohol, one part; and ethyl ether, three parts, by volume, preparing an acid mixture of fuming sulphuric acid, one part, and concentrated sulphuric acid, two parts, by volume, combining the mixtures in the proportions of one part of the aldehyde mixture to three parts of the acid mixture, heating the mixture to within the temperature range of 100° C. to 400° C., to effect chemical reaction of the materials of the mixture, removing the reaction products as formed, and immediately chilling to below pyrolysis temperature.

2,382,426
LUBRICATION
Edward H. Kocher, Boonton, N. J., assignor to Auto Research Corporation, a corporation of Delaware
Application July 22, 1940, Serial No. 346,726
4 Claims. (Cl. 184—26)



1. Lubricating equipment comprising a bracket having an upper arm, a solenoid attached to the latter and having an armature core, a lower arm, a pump cylinder mounted on the latter extending therebelow and aligned with said armature core, a small bore unpacked plunger in said pump cylinder, a connecting rod having a resilient connection with respect to said pump plunger and rising therefrom said bracket having an intermediate arm through which said connecting rod extends, a spring urging said plunger to one extremity of its stroke, and means for effecting a thrust connection between said connecting rod and said solenoid core.

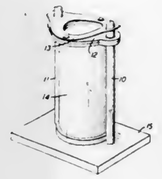
2,382,427
SIPHON BREAKER AND VALVE
Jesse D. Langdon, Los Angeles, Calif.
Application September 9, 1941, Serial No. 410,139
6 Claims. (Cl. 137—69)



1. A vacuum breaker and valve device comprising a valve casing having an inlet and an outlet and a tubular fluid-flow passage extending therebetween; ports formed circumferentially of said fluid-flow passage and through the walls of said valve casing at a location between said inlet and said outlet; valve-supporting means disposed internally of said valve casing and circumferentially of said fluid-flow passage adjacent said ports and between the latter and said inlet; a sealing and baffle ring disposed internally of said valve casing and extending into said fluid-flow passage circumferentially thereof adjacent said ports and between the latter and said outlet; wall means extending circumferentially of said valve casing externally thereof covering and protecting said ports, said wall means defining a circumferential opening providing communication for said ports with the atmosphere; a flexible check valve secured to said valve-supporting

means and extending transversely, completely across the said fluid-flow passage, said flexible check valve comprising a flexible tubular sleeve member extending toward said outlet, past said ports and said sealing baffle ring, a transverse flexible diaphragm member cooperatively associated with said sleeve and normally closing the passage therethrough, and mutually parallel flexible lips normally maintained in closed position, but expansible under the pressure of fluid flowing through said sleeve member toward said outlet for providing passage through said valve, said sleeve member having a rim portion at one end engaging said valve supporting means, and said sleeve being adapted for lateral bulging under the pressure of fluid flowing therethrough toward said outlet so that its outer face presses circumferentially against said sealing baffle ring; and an expansion ring inset into the said sleeve adjacent the said rim portion thereof and expanding said rim portion tightly against said valve casing for centering the said flexible valve within said fluid-flow passage.

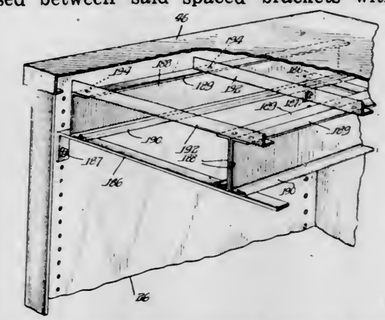
2,382,428
CLAMPING DEVICE
Bernard Leuvelink, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1944, Serial No. 532,293
11 Claims. (Cl. 248—361)



1. A retainer device for a detachable electron discharge tube having a shoulder portion mounted in a socket, which comprises a pair of metallic members extending in parallel relation on opposite sides of said tube, a ring member engaging said shoulder, and means frictionally coupling said ring to said members to exert a compression force on said tube in said socket.

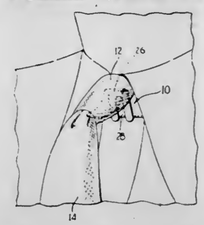
2,382,429
CABINET WITH DRAWERS
Felix F. Loeb, Chicago, and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application October 14, 1938, Serial No. 234,868. Divided and this application January 27, 1941, Serial No. 376,145
3 Claims. (Cl. 45—77)

1. In a display cabinet or the like, the combination of spaced upright sides and a top providing a drawer housing, fixed supports extending horizontally between said sides and rigidly affixed thereto, spaced upright brackets each having a vertical portion formed with an upper horizontal flange and a lower horizontal flange, each lower flange being welded to said supports and each having beyond said welded portion a reversely bent resilient free edge overlying and spaced from said lower flange, and a drawer having sides, a rear end, a front and a bottom disposed between said spaced brackets with the



bottom of the drawer slidably resting upon said reversely bent free edges.

2,382,430
NECKTIE SUPPORT
Aaron London, Brooklyn, N. Y.
Application May 6, 1943, Serial No. 485,812
1 Claim. (Cl. 24—56)

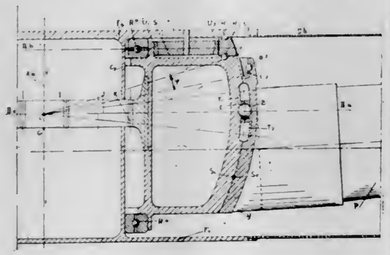


A necktie supporting device including a relatively rigid member of thin sheet form and of uniform width throughout its length, said element having an end member longitudinally slotted to slidably cooperate with and support the element on the shank of the collar button and hold the element in predetermined relation thereto, said element including an integral tie knot supporting means extending from the upper end of the end member as a curved portion then extending downwardly and outwardly in a substantially straight portion inclined with respect to the end member, said straight portion terminating in a forwardly curved portion from which the element is projected into a relatively elongated flat tie supporting portion substantially normal to the end member, the end of the slot being disposed between the plane of the flat tie supporting portion and the curved portion leading from the upper end of the end member, whereby when in position the collar button head is disposed substantially above the plane of the tie supporting portion and between the end member and the straight portion at the upper end of the slot to assist in preventing downward deflection of the tie supporting portion when the device is in use.

2,382,431
SWIVELING SCREW PROPELLER
William Arthur Loth and Sebastienne Marie Henriette Guyot, Paris, France; vested in the Alien Property Custodian
Application November 7, 1939, Serial No. 303,182
In France July 31, 1936
6 Claims. (Cl. 170—164)

1. A swiveling screw propeller having a support and a drive shaft, a hub driven from said

drive shaft, propelling and sustaining blades mounted on said hub, a universal joint associated with said hub connecting the blades with said drive shaft and having means associated therewith to cause the driven and driving portions of said joint to rotate uniformly synchronously in all angular positions of the axis of the propeller with respect to the drive shaft and during movements of inclination of the axis of rotation of said propeller with respect to said drive shaft in order to attain new relative angular po-



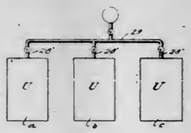
sitions, and fluid operated precession means for stabilizing the axis of the propeller, including gas ejecting means on the support receiving exhaust gases from the engine driving the propeller and a gas collector mounted on the hub, together capable of imparting a precession impulse to said propeller so as to cause the axis of rotation thereof to trace a portion of the surface of the hub whenever the axis of said propeller tends to depart from the axis of said hub and attains the surface thereof.

2,382,432

METHOD AND APPARATUS FOR DEPOSITING VAPORIZED METAL COATINGS

Charles E. McManus, Spring Lake, N. J., and John D. Elder, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 2, 1940, Serial No. 349,646
7 Claims. (Cl. 117—107)



1. The method of coating in a plurality of closed coating chambers having means for coating under reduced pressure with vaporized metal, the chambers being in communication with one another and with a suitable exhausting means for maintaining the reduced pressure therein, which comprises placing material to be coated in one chamber, evacuating that chamber while the material is therein, vaporizing the coating metal in that chamber and coating therein while the vacuum is maintained, placing uncoated material to be coated in a second chamber, upon completion of coating in the first chamber, establishing communication between the chambers so as to break the vacuum in the chamber in which coating has been completed, and reduce the pressure in the chamber in which coating under reduced pressure is about to begin, connecting the last-mentioned chamber to the exhausting means while cutting off communication between said chamber and the first chamber, and carrying on the coating operation described with respect to the first chamber in the second chamber while removing coated material from the first chamber and placing uncoated material to be coated therein.

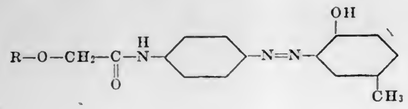
2,382,433

MONOAZO COMPOUNDS

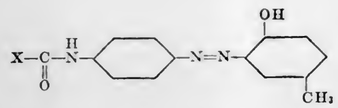
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 5, 1942, Serial No. 464,654
5 Claims. (Cl. 260—207)

1. The monoazo dye compounds selected from the group consisting of the monoazo compounds having the formulas:



and



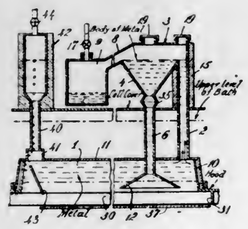
wherein R stands for a member selected from the group consisting of an alkyl group, a hydroxyalkyl group and an alkoxyalkyl group and X stands for a lower hydroxyalkyl group.

2,382,434

METHOD AND APPARATUS FOR RECOVERING A LIGHT METAL

Robert J. McNitt, Perth Amboy, N. J.

Application October 13, 1941, Serial No. 414,752
34 Claims. (Cl. 75—93)



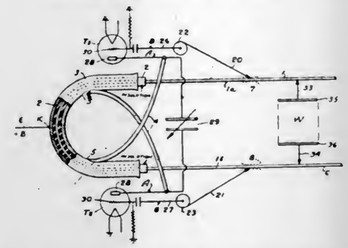
3. In the recovery of light metal from a fused salt bath more dense than the metal recovered, the improved method which comprises collecting crude hot metal in the bath, passing the crude hot metal upward in a column of metal resting on the bath into a body of metal above the bath, cooling the crude hot metal in the body of metal to a point where dissolved impurities are precipitated, maintaining the metal in the body in such a quiet state that the precipitated impurities settle, and returning the precipitated impurities to the bath through another column of metal which connects the body of metal with the bath and which is free of convection currents interfering with the return of impurities to the bath.

2,382,435

VARIABLE GRID CIRCUIT

Julius W. Mann and George F. Russell, Tacoma, Wash.

Application April 10, 1943, Serial No. 482,646
6 Claims. (Cl. 250—36)



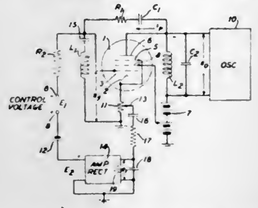
1. The combination with a radio circuit having plate, grid and work circuits, the grid and work circuits having an inductance which is common to both, the plate and combined grid and work inductances being inductively connected at their coupling current antinodal position, and means for varying the grid excitation by lengthening or shortening the grid inductance next adjacent to the coupling current antinodal position.

2,382,436

REACTANCE TUBE CIRCUIT

Frank G. Marble, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 18, 1943, Serial No. 499,158
4 Claims. (Cl. 250—40)



1. In an electronic reactance circuit including a thermionic vacuum tube provided at least with a control grid, a cathode and an anode and controlled by a unidirectional voltage applied in series between said control grid and ground, means for varying the mutual conductance of said tube linearly with said voltage comprising a source of alternating voltage connected between said anode and ground, a resistance in series between said cathode and ground, means for rectifying and amplifying a desired portion of the alternating component of the voltage across said resistance and means for introducing said rectified fractional voltage in series with and in opposition to said unidirectional voltage.

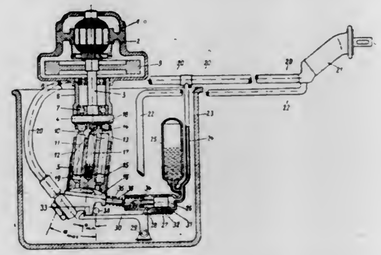
2,382,437

HYDRAULIC STARTER

Hans Molly, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian

Application August 10, 1940, Serial No. 352,145
In Germany August 12, 1939
2 Claims. (Cl. 103—162)

1. In a hydraulic pump of the piston type, the combination of a motor; a driving flange journaled for rotation about its axis and driven by said motor; a cylinder block hingedly mounted adjacent said flange, and provided with a plurality of bores; a piston in each of said bores; a rod for operatively connecting each piston with said flange; a discharge conduit communicating with said bores; said flange and said block being so arranged that swinging of said block about its mounting, causing inclination of the axis of the block relative to the axis of the flange, produces variations in the strokes of the pistons and consequent variations in the pres-



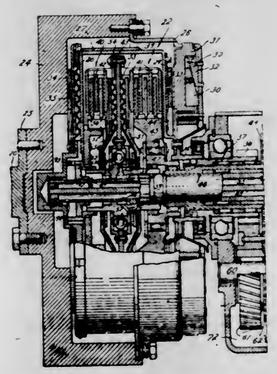
sure of the fluid discharged through said conduit, and said pressure tends to decrease said inclination; a stop to prevent decrease of said inclination below a predetermined minimum; a piston cylinder adjacent said block; a piston in said piston cylinder; a closed chamber adjacent said piston cylinder; a second conduit connecting said pump discharge conduit with said chamber and said piston cylinder; and a coil spring interposed between said last mentioned piston and said block.

2,382,438

MULTIPLE CLUTCH ASSEMBLY

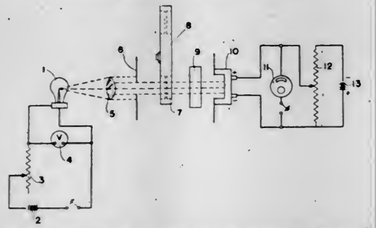
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original application February 14, 1938, Serial No. 190,368, now Patent No. 2,282,591, dated May 12, 1942. Divided and this application March 18, 1942, Serial No. 435,179
8 Claims. (Cl. 192—48)



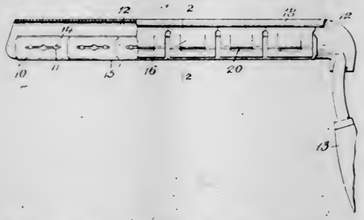
1. A multiple clutch assembly comprising drive and driven shafts arranged concentrically, a friction clutch and a one-way clutch connected in series and adapted to effect a connection between adjacent ends of the drive and driven shafts, and a two-way clutch positioned at the opposite end of the drive shaft and adapted to effect a connection between the said shafts when the one-way clutch is ineffective to transmit the drive.

2,382,439
COLOR GRADING APPARATUS AND METHOD
Robert H. Osborn, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1941, Serial No. 398,714
11 Claims. (Cl. 88—14)



4. Color analyzing apparatus comprising photocell means, two differently colored filters, a light source, means for impinging light from said source along a plurality of paths each of which includes the object being analyzed one of said filters and the photocell means associated therewith, the filter in one of said paths having a spectral transmission characteristic such that the response of the photocell means is proportional to one of the tristimulus values of said object, the filter in the other of said paths having a spectral transmission characteristic such that the response of the photocell means is proportional to the sum of the tristimulus values of said object, and means for indicating by a single reading a value proportional to the ratio of the photocell responses.

2,382,440
CUTTING IMPLEMENT
Carl E. Peterson, Upper Montclair, N. J.
Application March 30, 1944, Serial No. 528,789
5 Claims. (Cl. 30—339)

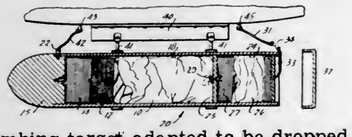


1. A cutting implement comprising a relatively long narrow holder having projections on one face, thin perforated razor blades arranged end to end and seated on the projections, and spring means for independently engaging each blade for holding them against the holder and whereby any blade may be selectively removed from the holder.

2,382,441
MANUFACTURE OF PHTHALOCYANINE PIGMENTS
William B. Reynolds, Elmhurst, and Sylvester A. Scully, Yonkers, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 1, 1941, Serial No. 391,352
3 Claims. (Cl. 260—314.5)

2. The method of preparing copper phthalocyanine, which comprises reacting phthalonitrile with a cupriferous reactant whose reaction with the nitrile in the absence of diluents is violently exothermic, in the presence of a liquid consisting essentially of 50–200%, based on the weight of the nitrile, of a water-miscible hydroxy aliphatic solvent for the dinitrile having at least two polar groups, and a boiling point between 125 and 300° C., heating the reaction mixture to a point below the boiling point of the solvent, but sufficient to start the exothermic reaction, allowing the exothermic reaction to proceed to completion without further extraneous heat, while permitting the solvent to be freely volatilized to produce, because of the proportion of solvent to nitrile, a finished reaction mass which is pasty because it contains only a small proportion of residual solvent, and is at a temperature no higher than the boiling point of the solvent, the reaction being characterized by the fact that it is complete in about the same period as that required for the reaction of the metalliferous reactant with the undiluted dinitrile in fused condition, and thereafter recovering pigment from the reaction mass.

2,382,442
BOMBING TARGET
Paul J. Rich and John W. Griesinger, Dayton, Ohio
Application April 15, 1944, Serial No. 531,243
1 Claim. (Cl. 244—138)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

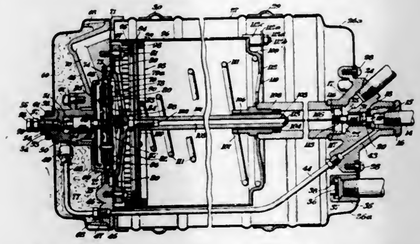


A bombing target adapted to be dropped from an airplane upon a body of water comprising, in combination, a casing which is open at both ends; a stabilizing weight adapted to close one of said ends; means to secure said weight within the end closed thereby; means attached to the airplane to release said securing means upon movement of the bombing target away from the airplane to permit the weight to move out of the casing; a parachute packed within the casing but being free of any connection thereto; said parachute being constructed and arranged to float on water; lines connecting the parachute with the weight and located within the casing; a partition fixed within the casing between the ends thereof and providing an end wall for the compartment containing the packed parachute; a pilot parachute on the opposite side of the partition; lines connecting the pilot parachute with the partition; frangible closure means at the opposite end of the casing to close said end and hold the pilot parachute within the casing until the target is dropped; and a cord attached to the pilot parachute and passing through said frangible closure means and extending outside the casing to a connection with the airplane, said cord being readily breakable.

2,382,443
COMPOSITION FOR LINING CAN ENDS
John E. Robinson, Glen Ellyn, and Frank H. Bopp and Paul W. Millelot, Jr., Maywood, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 19, 1941, Serial No. 419,810
1 Claim. (Cl. 260—9)

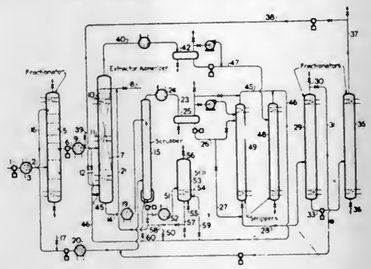
A compound for lining the sealing flanges of can ends and the like which is resistant to animal and vegetable oils and highly economical, which comprises a homogeneous mixture of about 44 percent by weight of a solid linear polymer of polybutene, about an equal percentage by weight of wood flour and about 12 percent by weight of amorphous wax, said mixture being dispersed in a solvent having a boiling range of about 140 degrees F. to 160 degrees F.

2,382,444
POWER UNIT APPARATUS
Edward A. Rockwell, West Hartford, Conn., assignor to The New Britain Machine Co., New Britain, Conn., a corporation of Connecticut
Application July 3, 1940, Serial No. 343,754
3 Claims. (Cl. 60—54.6)



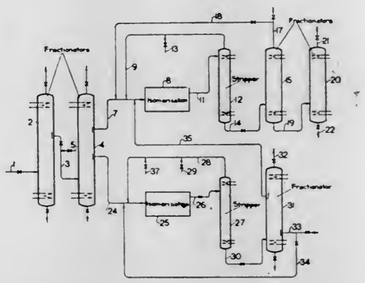
1. A power unit having an inlet for manually controlled liquid, an outlet for the delivery of liquid from the unit to a part to be moved, an inlet for pressure fluid differing from the atmospheric pressure, valve means for controlling the pressure of the delivered liquid, a movable wall actuated by said pressure fluid and controlled by said valve means, a spring for retracting the same, a plunger connected to said movable wall, a valve for controlling the liquid received from said inlet, having a lost-motion connection to the plunger for retracting the valve, a hydraulic connection from said last mentioned value to said valve means, a cylinder in which the plunger operates, having means to support the lost-motion valve and retain the movable wall against said spring, and a container for said pressure fluid in which the assembled movable wall, spring, plunger, cylinder, valve and valve supporting means are adapted to be inserted as a whole.

2,382,445
CYCLOPARAFFIN PRODUCTION
William E. Ross, Oakland, and Philip Pezzaglia, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 6, 1944, Serial No. 538,893
14 Claims. (Cl. 260—666)



9. The process for the production of cyclohexane from a hydrocarbon mixture boiling in the gasoline boiling range comprising open chain hexanes, methylcyclopentane and benzene which comprises, fractionating said hydrocarbon mixture in a feed fractionating zone to separate a fraction of intermediate boiling range comprising open chain hexanes, methylcyclopentane and benzene and a fraction of lower boiling range comprising pentane, subjecting said fraction of intermediate boiling range and a hydrocarbon-aluminum halide complex to continuous countercurrent contact in the presence of an added hydrogen halide in a contacting zone at a temperature of from about 70° C. to about 100° C. to effect the conversion of methylcyclopentane to cyclohexane while forming a raffinate phase comprising open chain hexanes and an extra phase comprising said complex, cyclohexane, methylcyclopentane and benzene, removing the raffinate phase from one end of the contacting zone, passing the extract phase from the opposite end of said contacting zone into a scrubbing zone, contacting said extract phase with said hydrocarbon fraction of lower boiling range separated in said feed fractionating zone, thereby separating cycloparaffins from a residual fraction comprising said complex containing benzene in said scrubbing zone, passing hydrocarbons comprising said hydrocarbons of lower boiling range, cyclohexane and methylcyclopentane from said scrubbing zone into a product separating zone, separating hydrocarbons predominating in cyclohexane in said product separating zone, passing said residual fraction from said scrubbing zone into a distillation zone, separating hydrocarbons comprising benzene as a vapor fraction from a liquid fraction comprising complex in said distillation zone, and recycling said liquid fraction from said distillation zone to the contacting zone.

2,382,446
CYCLOPARAFFIN PRODUCTION
William E. Ross, Berkeley, and Philip Pezzaglia, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 21, 1944, Serial No. 541,445
15 Claims. (Cl. 260—666)



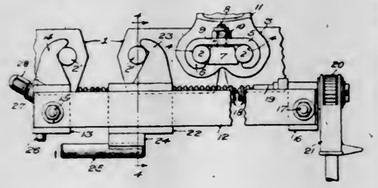
1. The process for the production of cyclohexane from a hydrocarbon mixture comprising methylcyclopentane, cyclohexane and open chain paraffins having six and seven carbon atoms to the molecule, which comprises separating a lower boiling fraction comprising methylcyclopentane and a higher boiling fraction comprising cyclohexane and open chain paraffins having seven carbon atoms to the molecule from said hydrocarbon mixture, contacting said higher boiling fraction with an aluminum chloride isomerization catalyst at cyclohexane isomerizing conditions in a cyciohexane conversion zone thereby converting

cyclohexane to methylcyclopentane, separating hydrocarbons comprising methylcyclopentane from the effluence of said cyclohexane conversion zone, contacting said hydrocarbons comprising methylcyclopentane in admixture with said lower boiling hydrocarbon fraction with an aluminum chloride isomerization catalyst at methylcyclopentane isomerizing conditions in a methylcyclopentane conversion zone thereby converting methylcyclopentane to cyclohexane, and separating hydrocarbons comprising cyclohexane from the effluence of said methylcyclopentane conversion zone.

2,382,447

TRACK MAINTENANCE TOOL

John G. Schaeufele, Fort Knox, Ky.
Application September 2, 1943, Serial No. 500,933
4 Claims. (Cl. 59—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tool of the character described comprising a rigid elongated body, a screw mounted lengthwise thereof and rotatable therein, means for turning said screw, a fixed jaw carried by said body, a complementary jaw threaded on said screw, and a projection extending from said complementary jaw towards the fixed jaw and disposed outside of said body, said projection extending beyond the fixed jaw in the line of movement of said complementary jaw when said complementary jaw has moved up to said fixed jaw.

2,382,448

LIGHT-WEIGHT NONMETALLIC COMPOSITION CONTAINING PALMETTO PITH

Charles Schuh, Brooklyn, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 11, 1942, Serial No. 457,958
11 Claims. (Cl. 106—216)

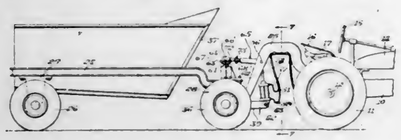
1. A light-weight non-metallic product comprising, by weight, 50% to 90% palmetto pith, 10% to 50% fibrous material, and 2% to 6% binding agent.

2,382,449

HAULING UNIT

Lovel Reynolds Simmons, Jackson, Miss.
Continuation of application Serial No. 327,446, April 2, 1940. This application October 3, 1941, Serial No. 413,550
34 Claims. (Cl. 280—33.44)

1. In combination, a first vehicle including a draft member pivoted to the first vehicle for both lateral and vertical movement with respect thereto; a second vehicle having front and rear ground supports; means mounting the front ground support on the second vehicle for steering movement; means connecting the draft member to the front ground support of the second vehicle for lateral swinging of said member to steer the front ground support; an anchorage on a front portion of the second vehicle above the front ground support, and means comprising a fluid motor connected between the first vehicle and said anchorage for



moving the front end of said second vehicle upwardly with respect to the first vehicle, and the connection between said means and said anchorage including a pivot on a substantially vertical axis.

2,382,450

ELECTROLYTIC PRODUCTION OF MAGNESIUM

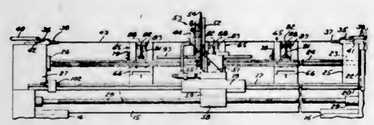
Cyril M. Slansky, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 2, 1942, Serial No. 433,007
6 Claims. (Cl. 204—70)

1. In a process for the production of molten metallic magnesium wherein magnesium chloride containing as impurity an inorganic boron-containing substance in a proportion corresponding to between about 0.0015 and about 0.06 per cent of boron is electrolyzed in a fused salt bath above the melting point of magnesium, the method of minimizing the dispersing action of the boron substance on the electrodeposited molten magnesium and of insuring coalescence thereof which comprises incorporating in the magnesium chloride being fed to the electrolysis bath a substance selected from the class consisting of manganese and reducible manganese compounds in a proportion such that the manganese content of the magnesium chloride is at least 1.5 times by weight the boron content thereof but does not exceed about 0.1 per cent by weight.

2,382,451

CORE WINDING APPARATUS

Ladislav Stastney, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1944, Serial No. 548,526
7 Claims. (Cl. 242—9)

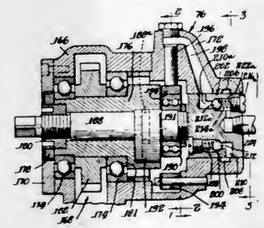


1. In an apparatus for winding convolutions of strand on a core, means for positioning and holding a core at opposite ends, a strand winding mechanism movable longitudinally of the core for applying convolutions of strand thereon, at least one support movable laterally of the core for supporting the core between its ends, and means for operating said support controlled by the movement of said winding mechanism longitudinally of the core for effecting a withdrawal of and then an advancement of said support to supporting relation with the core in timed relation to the approach and passing of the winding mechanism.

2,382,452

FLUID PUMPING MECHANISM

Ernest J. Svenson, Rockford, Ill., assignor, by mesne assignments, to Odin Corporation, Chicago, Ill., a corporation of Illinois
Original application August 11, 1933, Serial No. 684,677. Divided and this application September 16, 1940, Serial No. 356,896
17 Claims. (Cl. 103—174)

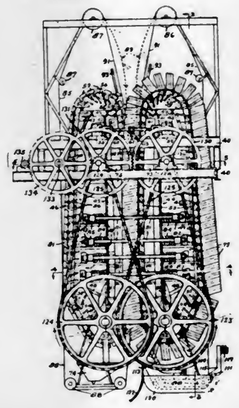


1. In combination with a source of liquid under pressure, a pump including a plurality of reciprocable plungers, a housing therefor, a driving mechanism for shifting said plungers during their compression stroke only and limiting the intake stroke thereof, valve means including pressure actuated inlet valve members and pressure actuated outlet valve members preset for operation at different pressures to open and close in timed relation under the pressure control of said plungers, said inlet and outlet valve members being arranged in pairs, each pair companion to one plunger, a common passageway for directing fluid through one member of each pair of valve members to the plungers, and a common passageway for directing fluid through the other member of each pair of valve members away from said plungers.

2,382,453

CONTINUOUS PRESSURE SEPARATING DEVICE

Robert M. Thompson, Seattle, Wash.
Application March 29, 1939, Serial No. 264,809
16 Claims. (Cl. 210—197)

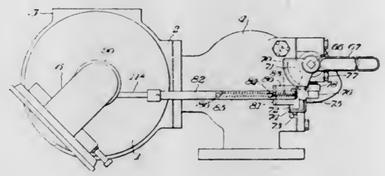


1. A continuous pressure separating device comprising a relatively long pressure chamber having a moving slat belt forming a wall thereof; material inlet means positioned to direct material to be treated in said pressure chamber; and a relatively long stationary track member having a section which is substantially a circular segment extending throughout the pressure zone of said chamber and supporting said slat belt for traveling movement and maintaining a substantially constant angular relation between the slats of said slat belt during their travel through the pressure zone, whereby damage of said slat belt by relative angular movement of the slats thereof is avoided.

2,382,454

PREDETERMINING DISPENSING APPARATUS

Einar Thoresen, Pittsburgh, and Walter H. Marsh, Crafton, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 14, 1939, Serial No. 309,196
25 Claims. (Cl. 222—14)



1. In a dispensing apparatus, the combination of a fluid meter, valve means for controlling flow through said meter, means for latching said valve means in open position, pilot latch means for controlling said valve latching means, selector mechanism comprising a plurality of disks having predetermining notches therein driven in different degrees of rotation by said meter, one of said disks having a pretripping notch therein angularly spaced from the predetermining notch on that disk, feeler mechanism adapted to co-operate with said pretripping notch and predetermining notches of the remaining disks to trip said pilot and valve latching means for initiating closing of said valve means when a predetermined quantity of fluid passes through the meter, and means actuated by closing of said valve means rendered effective after predetermined closure of said valve means for resetting said pilot latching means and retaining said valve means in partly open position to allow a reduced flow therethrough, and said feeler mechanism co-operating with said predetermining notches to trip said pilot latching means and release said valve means for complete closure to stop flow therethrough when a further predetermined quantity of fluid passes through said meter.

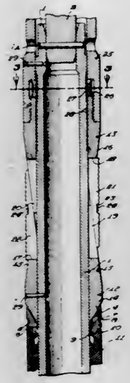
2,382,455

BRIDGING PLUG

George F. Turechek, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application January 20, 1942, Serial No. 427,457
6 Claims. (Cl. 166—13)

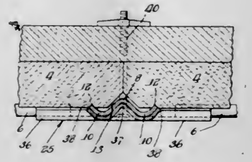
1. A well tool comprising a mandrel, a pair of slip-expanding members mounted thereon, each including a plurality of spaced axially directed slip-expanding elements tapering toward the other slip-expanding member and defining therebetween a plurality of axially directed slots, said members positioned so that the elements of each slidably fit into the slots of the other, a tapered slip in each slot of each member and resting partially on the tapered element of the other expanding member extending into the slot, means for moving said members axially toward each

other, each of said members engaging the slips riding upon the elements of the other of said members for urging said slips therealong into



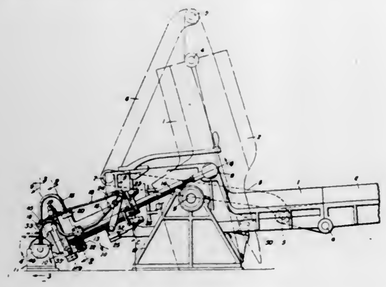
expanded position as said members are moved axially toward each other, and a tie-band for initially holding said slips in retracted position on the expanding members.

2,382,456
WALL OR CEILING COVERING
Leon F. Urbain, Chicago, Ill.
Application March 11, 1940, Serial No. 323,358
8 Claims. (Cl. 72—19)



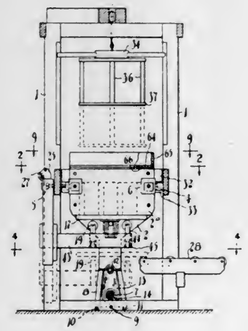
1. In a wall or ceiling structure for buildings, in combination with subjacent supporting means therefor, a plurality of covering units disposed with their margins in contacting relation for continuously covering the area of said wall or ceiling, each having marginal bevelled portions adapted when said units are juxtaposed in covering relation to said supporting means to provide junctional channels, supporting strips having in cross section a reentrant portion complementary to the channel and adapted to lie in the channel and be centered thereby and oppositely extending inwardly bent flanges, at the opposed margins of the strips, said flanges overlying the outer faces of the covering units and extending into contact with said faces to penetrate the front faces of adjacent units to provide a seal to eliminate breathing, and center clips having a plurality of radially extending arms shaped in cross section similarly to the cross sectional shape of the strip but slightly larger in dimension whereby said center clips may be fastened to the subjacent structure between the junction of a plurality of said units with the radial arms of the clips overlying and supporting the strips, the edges of the arms of the clips forming a sealing line contact with the units to eliminate breathing at the space between the strips.

2,382,457
CRADLE OPERATING CYLINDER
David Wertman and Frank Warlick, Washington, D. C.
Application November 30, 1943, Serial No. 512,396
10 Claims. (Cl. 121—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



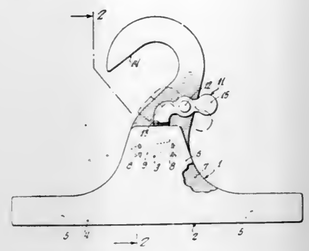
1. A cradle operating mechanism comprising a base support, a cylinder pivotally connected at one end to said support and having a hydraulically actuated piston therein with a piston rod extending through the other end and pivoted to the cradle, a port in the cylinder wall near each end of the cylinder closed by the piston when at the corresponding end, two check valves and two restrictions at each end of the cylinder, and a fluid supply and relief conduit for each end of the cylinder connected for supplying fluid through one of the check valves to said port, and to the extreme end of the cylinder by way of one of the restrictions, and for relieving fluid from said end by way of the other check valve and the other restriction.

2,382,458
APPARATUS AND METHOD FOR MOLDING CONCRETE BLOCKS
Francis A. Williams and Geza G. Rusznyak, Toronto, Ontario, Canada
Application June 9, 1944, Serial No. 539,522
16 Claims. (Cl. 25—41)



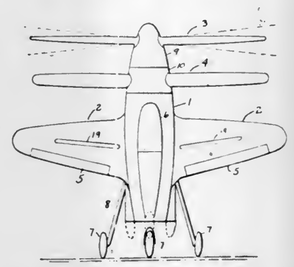
1. In apparatus for forming building blocks, a supporting frame; carrying means vertically movable in said frame; a mold carried by said carrying means; a drive shaft swingably supported relative to said frame; eccentric means in said shaft; and means for effecting the vertical movement of the carrying means from said eccentric means.

2,382,459
TROUSER HANGER
Robert H. Wollin, Milwaukee, Wis., assignor to Wollin, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application September 6, 1943, Serial No. 501,361
3 Claims. (Cl. 223—96)



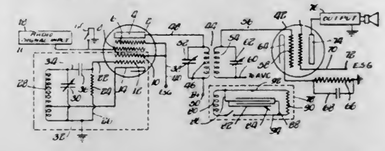
1. A trouser hanger of the character described comprising, a pair of trouser clamping members, hinge means hingedly connecting said members for relative movement towards and from each other for opening and closing the hanger, said hinge means consisting of screw eyes inserted into the members and a pin inserted through the same, a stop fixed to one of the members and engaging the pin in a notch therein for holding the pin in place, and a locking element mounted on one member and engageable with the other member for locking the same in closed or clamping position.

2,382,460
AIRCRAFT
Arthur Middleton Young, Paoli, Pa., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application January 8, 1941, Serial No. 373,673
22 Claims. (Cl. 244—7)



1. An aircraft comprising a fuselage, a wing, a source of power, a shaft extending in a direction generally chordwise of the wing, means coupling the shaft to the source of power, a propeller hub, means mounting the hub on said shaft, blades, means mounting the blades generally radially on said hub and for variation of their aerodynamic incidence, means for cyclically adjusting the aerodynamic incidence of said blades to cause the plane of rotation of said rotor to incline, rotating inertia means mounted in the aircraft, means interconnecting the means for cyclically adjusting the aerodynamic incidence of the blades of the propeller and the rotating inertia means to cause the plane of rotation of the propeller to be governed by the rotating inertia means.

2,382,461
PHONOGRAPH
John J. Antalek, Chicago, Ill., assignor to Virgil Hamilton, doing business as Hamilton Associated Industries, Chicago, Ill.
Application March 9, 1942, Serial No. 433,876
14 Claims. (Cl. 179—100.11)

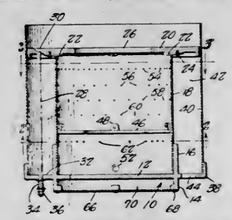


1. In a phonograph reproducer, a reproducing circuit comprising means including a tuned circuit for supplying an unmodulated high frequency wave, an absorption circuit coupled to said tuned circuit for absorbing energy from said tuned circuit and including an energy absorbing and dissipating resistance, and a phonograph pick-up in one of said circuits for varying the amount of energy absorbed by said absorption circuit to effect amplitude modulation of said supplied high frequency wave.

2,382,462
OIL-RESISTANT THERMOPLASTIC AND METHOD OF MAKING
David J. Beaver, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 1, 1941, Serial No. 417,577
17 Claims. (Cl. 260—714)

1. The method of making a new plastic product which comprises intimately mixing a member of a group consisting of scrap rubber and reclaimed rubber with technical tolyl dichlor phosphine having one tolyl radicle and two chlorine atoms directly attached to a trivalent phosphorus atom and consisting of the reaction product containing the catalyst complex of toluene and PCl_3 in the presence of aluminum chloride catalyst and retene in the proportion of substantially 100 parts by weight of the rubber, technical tolyl dichlor phosphine equivalent to at least 60 but less than 100 parts by weight of crude tolyl dichlor phosphine and at least 40 but less than 100 parts by weight of said retene ingredient and heating the mixture.

2,382,463
OIL BURNER
Charles E. Beyer, Rosamond, Calif.
Application September 1, 1943, Serial No. 500,833
4 Claims. (Cl. 158—91)



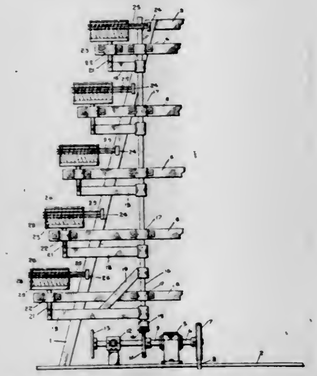
1. An oil burner comprising an annular combustion chamber shell having a fire ring at its upper end, a base supporting the shell, said shell having an oil inlet near its bottom, an arcuate baffle attached to said shell above said oil inlet and extending horizontally partly about the shell,

said shell being provided with air inlet openings located between said baffle and the oil inlet and angled to admit air to a localized zone above the oil inlet, said shell being provided with primary air inlet openings located above said baffle, and said fire ring being spaced from the shell to provide a secondary air inlet.

2,382,464
PRODUCTION OF UNSATURATED CARBOXYLIC ACIDS
Albert B. Boese, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 30, 1942, Serial No. 428,865
14 Claims. (Cl. 260—526)

1. Process of producing an unsaturated carboxylic acid, which comprises reacting ketene and a ketone having directly attached to the carbon atom of the carbonyl group at least one radical selected from the class consisting of alkyl, cycloalkyl and aralkyl radicals, in the presence of an acidic condensing agent selected from the group consisting of the volatile halides of trivalent metals and acidic boron compounds.

2,382,465
WARPING MACHINE
Theodore E. Carlson, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application November 10, 1943, Serial No. 509,723
9 Claims. (Cl. 28—54)



1. In a machine for warping threads, a guide bar over which the threads are adapted to pass, a reed frame cooperating with said guide bar, wires in said frame for spacing said threads, said wires being bent and means for reciprocating said frame so as to cause said threads to move laterally relative to said guide bar and longitudinally relative to said bent wires.

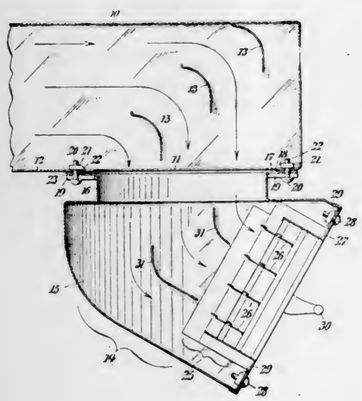
2,382,466
HARDENABLE STEELS
Walter Crafts, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application March 11, 1941, Serial No. 382,737. In Great Britain March 15, 1940
2 Claims. (Cl. 75—123)

1. A fine-grained steel quench-hardened article, other than a nitride case-hardened article, having substantially the composition: 0.25% to 2% silicon; manganese in a substantial proportion up to 2%; 0.1% to 1% carbon; between 0.0025% and 0.05% beryllium; 0.03% to 1% in the aggregate of at least one deoxidizing grain-refining element; remainder substantially all iron.

2,382,467
FINE-GRAINED STEEL HARDENED ARTICLE
Walter Crafts, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Original application March 11, 1941, Serial No. 382,737. Divided and this application January 12, 1945, Serial No. 572,583
2 Claims. (Cl. 75—123)

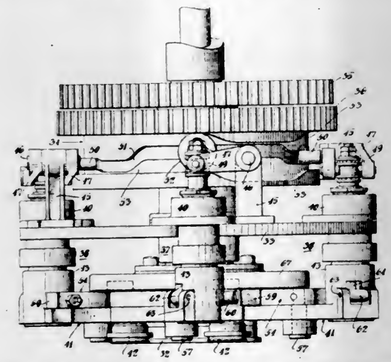
1. A fine-grained steel quench-hardened article, other than a nitride case-hardened article, having substantially the composition: 0.25% to 2% silicon, manganese in a substantial proportion up to 2%; 0.1% to 1% carbon; between 0.0025% and 0.05% beryllium, 0.03% to 1% in the aggregate of at least one deoxidizing grain-refining element; and at least one element of the group consisting of molybdenum, tungsten, and chromium, the aggregate percentage of such last mentioned element or elements together with the percentage of silicon being at least 0.3% but less than 5% of the steel.

2,382,468
DISCHARGE OUTLET
Fred Albert Cull, Beaumont, Tex.
Application March 18, 1944, Serial No. 527,020
7 Claims. (Cl. 98—40)



1. A discharge device for air conducting trunks of forced ventilation systems and the like, having an elbow casing with a circumferential flange at its inlet end; and a swivel joint structure for connecting the casing to a wall of the trunk over an egress orifice in said wall, said joint structure including a retaining annulus surrounding the inlet end of the casing behind the flange to form a bearing for said flange, a resilient annular gasket interposed between the bearing annulus and the trunk wall beyond the peripheral edge of the flange, and regulatable securing means for drawing the bearing annulus toward the trunk wall to compress the gasket so as to preclude looseness in the joint and at the same time render it air tight.

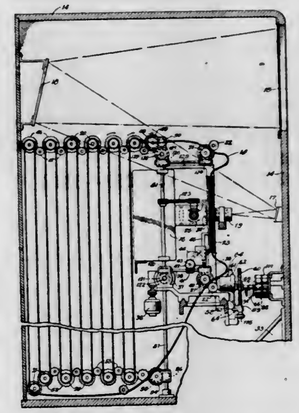
2,382,469
SEAMING MECHANISM
Willy Diezel, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application May 27, 1943, Serial No. 488,639
8 Claims. (Cl. 113—24)



1. In a seaming machine in which a seaming-roller arm has a swinging movement to provide an in-and-out movement of a seaming roller with respect to the work-piece to be acted upon, the combination with a seamer head; of a main bearing, mounted on said seamer head, for a seaming-roller arm; a seaming-roller arm having a seaming roller at one end and pivotally mounted at its other end in said bearing; an abutment lever having one end anchored independently of said bearing and arm, but having its middle portion pivotally connected to the intermediate portion of said arm, and its other and free end extending adjacent to said bearing; a reciprocatory plunger having a lengthwise thrust movement within said bearing; means to lengthwise actuate said plunger; and means to transmit the lengthwise thrust of said plunger against the free end of said abutment lever to thereby cause the latter to swing said arm on its pivotal support in said main bearing.

2,382,470
COIN CONTROLLED MOVIE-SOUND MACHINE
John F. Eakins, Evanston, Ill., assignor, by mesne assignments, to Phonovision Corporation, Chicago, Ill., a corporation of Illinois
Application September 29, 1942, Serial No. 460,086
1 Claim. (Cl. 194—12)

In an automatic moving picture machine, a coin counter adapted to be actuated by the insertion of coins, a pair of switches controlled by said counter, selector means rendered operative by said counter, means including one of said switches controlling the operability of said selector means, a play counter, a switch in parallel with the other of said switches controlled by said play counter and arranged to supply energy to an amplifier, a projector lamp, a sound track lamp, a projector motor and a selector motor, switch means for causing one of said motors to operate whenever either of said parallel switches is closed, means associated with said selector means for returning said coin counter one step towards normal position and for moving said play counter one step away from normal position, a solenoid connected with each selector means, a pin adapted to be projected by each solenoid, a movable contact driven by said selector motor adapted to engage any projected pin whereby said contact with said pin arrests the selector motor, means controlled by the engagement of said arm with any of said pins for returning said pin and for shifting said switch-



ing means for initiating the operation of the projector motor, and means controlled by the arrival of the film at the end of its reproduction for returning the play counter one step towards initial position.

2,382,471
METHOD OF RECOVERING HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 3, 1941, Serial No. 381,597
10 Claims. (Cl. 166—21)

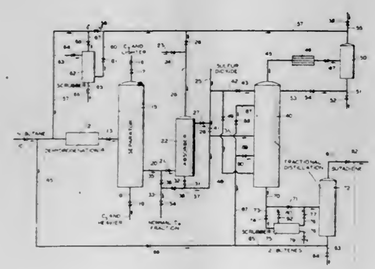
1. In a method of recovering hydrocarbons from a hydrocarbon oil-bearing formation which is penetrated by an input well and an output well, the steps comprising transmitting free oxygen-containing gas into the formation through the input well, initiating and maintaining flameless oxidation of carbonaceous material in the formation to heat the oil therein and effect distillation of relatively low boiling point components of the oil, and withdrawing distilled components of the oil through the output well.

2,382,472
REGENERATION OF CATALYSTS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 18, 1941, Serial No. 384,027
9 Claims. (Cl. 252—242)

1. The process for the regeneration of carbonized silica-alumina type catalysts by burning-out in presence of a gas containing free oxygen, which comprises treating such a catalyst at a suitable temperature initially not greater than 550° F. with a gas of low free oxygen-concentration at about atmospheric pressure, progressively increasing the concentration of oxygen to about 20 per cent and increasing the total pressure on the gas mixture to the range of 1250 to 2500 pounds per square inch, regulating throughout the regeneration the rate of change of oxygen concentration and of pressure so as to maintain the CO_2 concentration of the effluent gas below a value corresponding to a net increase of about

2.5 per cent over the CO_2 concentration of the inlet gas, and progressively during said increasing step raising the temperature to a maximum not greater than about 950° F.

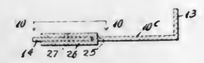
2,382,473
PRODUCTION OF BUTADIENE
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application March 13, 1941, Serial No. 383,235. Divided and this application April 23, 1942, Serial No. 440,213
3 Claims. (Cl. 260—681.5)



3. The process for the recovery of substantially pure butadiene from a C_4 hydrocarbon fraction containing the same in admixture with 1-butene, 2-butenes and normal butane which comprises extracting said fraction with liquid sulfur dioxide as a selective solvent and thereby effecting selective dissolution of the normal butenes and butadiene content thereof while allowing most of the normal butane to pass through undissolved, passing the resulting rich solvent to a first fractional distillation zone and there fractionally distilling same in the presence of sulfur dioxide in amount sufficient to form minimum-boiling azeotropes with all of the normal butane and 1-butene contained therein but insufficient to form an azeotrope with the major portion of the 2-butenes contained therein, removing as an overhead all of said azeotropes of sulfur dioxide with normal butane and 1-butene, treating the overhead to effect separation thereof into a sulfur dioxide-rich liquid fraction and a fraction of normal butane and 1-butene, refluxing said distillation zone with at least a part of said sulfur dioxide-rich liquid fraction, removing from said distillation zone a kettle product consisting essentially of 2-butenes and butadiene and substantially free of sulfur dioxide and passing same to a second fractional distillation zone and there fractionally distilling same in the absence of sulfur dioxide to produce an overhead product of substantially pure butadiene and a kettle product consisting essentially of 2-butenes.

2,382,474
INSULATION CLIP
Ernest Gambo, Staten Island, N. Y.
Application June 17, 1943, Serial No. 491,152
2 Claims. (Cl. 72—118)

1. An insulation clip, comprising a strip of metal having a right angle bent rear end forming a foot by which said strip may be mounted on a wall, the front end of said strip having a bendable pointed portion with shoulders at the sides, said clip having an opening at the base of said pointed portion, and a strip of reinforcement material laced through said opening and

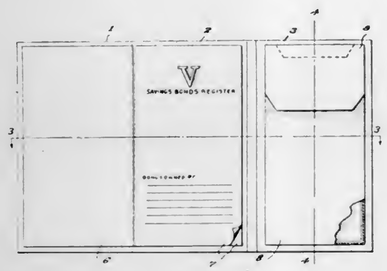


extending along the faces of said pointed portion and spot welded to said pointed portion.

2,382,475
METHOD FOR PRODUCING PLANT EXTRACTS
Ole Gisvold, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application June 9, 1943, Serial No. 490,149
9 Claims. (Cl. 260—619)

1. The process which comprises extracting plant material of the species *Larrea divaricata* with an aqueous solution of alkali hydroxide containing a reducing agent, acidulating the aqueous extraction solution until a flocculent precipitate occurs, and separating the flocculent, nordihydroguaiaretic acid containing precipitate therefrom.

2,382,476
SAVINGS BOND REGISTER
Karl M. Glasoe, Jr., Huntington Park, Calif.
Application August 7, 1944, Serial No. 548,392
2 Claims. (Cl. 281—31)



2. In combination, a sectional folder having a medial base and two foldable end sections, a record sheet secured to the inner face of one of the end sections and the medial base, and an envelope secured to the inner face of the other end section, the last mentioned end section being hingedly connected to the medial base along a plurality of fold lines to permit the flat folding of the section in either the empty or filled condition of the envelope.

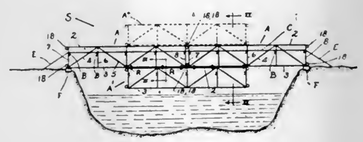
2,382,477
LADY'S PANTIE
Martin Goodman, New York, and David Lance, Brooklyn, N. Y., assignors to The Neatform Co. Inc., New York, N. Y., a corporation of New York
Application September 3, 1942, Serial No. 457,114
2 Claims. (Cl. 2—224)

1. A foundation garment anchoring pantie comprising two band shaped leg members having a configuration adapted to be put on and encircle the upper part of the thighs of the user's legs form-fitting the same after the manner of the upper sections of a pair of stockings, and a central crotch member connected to the top inside portions of said thigh form-fitting leg members, said crotch member having free upper rims, the said leg members and the crotch mem-



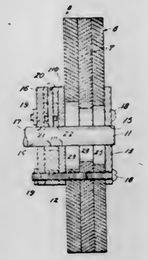
ber forming a pantie, the said leg members having upper rim portions arranged generally horizontally across the user's legs so that the pendent garters of a foundation garment may be attached thereto, thereby serving as anchoring means for the foundation garment, and the crotch member rims having means for supporting the crotch member in position on the user both frontally and rearwardly.

2,382,478
PORTABLE BRIDGE STRUCTURE
James M. Guthrie, Allison Park, Pa., assignor to Reliance Steel Products Company, McKeesport, Pa., a corporation of Pennsylvania
Application July 27, 1942, Serial No. 452,413
2 Claims. (Cl. 14—14)



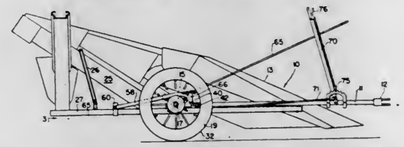
1. A temporary bridge constructed of a plurality of truss assemblies comprising prefabricated portable truss units aligned end to end and provided at the opposite ends of their upper and lower chords with means uniting the truss units in each of said truss assemblies, certain of said truss assemblies including a reinforcing truss extending in common plane with the aligned truss units and in bridging relation with respect to the united ends of the truss units thereof, with a chord of the reinforcing truss extending adjacent to and across the meeting ends of two of the chords of the bridged truss units, and a plurality of clamping devices arranged at spaced-apart points in embracing position upon said adjacent chords, each of said clamping devices comprising two arms that are relatively movable laterally of both of said adjacent chords, and each arm being effective in clamping both of the chords for securing the chords in surface-to-surface contact and uniting the truss units in load-sustaining assembly.

2,382,479
BUFFING WHEEL HUB
Harry E. Hargy, Sr., Sycamore Township, Hamilton County, Ohio
Application November 29, 1943, Serial No. 512,200
7 Claims. (Cl. 51—193)



1. In a device of the character described the combination of a rotatable shaft, a buffing wheel positioned coaxially with the shaft, a resilient clamping disc for dampening vibrations set up by operative rotation of the wheel, a fastening disc, each of said discs having a centrally disposed arbor hole formed therethrough for snugly receiving the shaft, said discs being in contact with opposed sides of the wheel, an inflexible cap disc mounted concentrically on the shaft and engaging the exposed face of the clamping disc, and draw bolts running through all of the said discs and the wheel and disposed in parallel with the shaft and spaced at equal radial distances therefrom.

2,382,480
CORN PICKER LIFTING MECHANISM
John B. Hayes, Milan, Ill., and Russell L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 25, 1941, Serial No. 404,050
16 Claims. (Cl. 56—211)

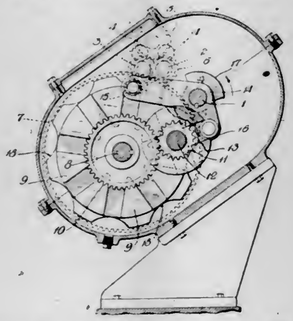


1. An agricultural implement comprising a transversely disposed axle, supporting wheels journaled thereon, a body member rigidly fixed to said axle and shiftable angularly therewith about the major axis of the axle, a hitch member swingably connected with said axle by means providing for relative movement about said axis, an arm rigidly fixed to said axle, power lift means driven by one of said wheels and connected between said hitch member and said arm to angularly shift said axle and said body member relative to said hitch member.

2,382,481
DETACHING MOTION
Sigurd H. Helland, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 16, 1942, Serial No. 443,299
8 Claims. (Cl. 19—120)

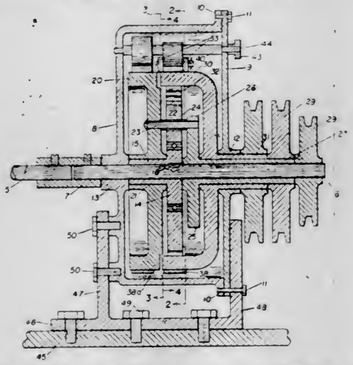
1. In a textile comber the combination of the comb shaft, the detaching roll shaft and detaching motion for connecting the detaching roll shaft to the comb cylinder shaft comprising two

Geneva couples having separate driven star-wheel members, a casing enclosing said couples and into which said comb cylinder shaft extends, a lay shaft also in said casing the driven members of such couples being operatively connected to said lay shaft within said casing and a gear on said lay shaft outside of said casing operatively



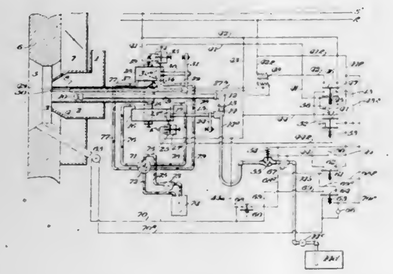
connecting it to said detaching roll shaft, the driving members of such couples being mounted on the comb cylinder shaft within said casing, and adapted for alternately engaging said driven members for rotating said lay shaft backwardly and a greater distance forwardly on each rotation of said comb shaft.

2,382,482
SPEED REDUCTION GEAR
Erwin W. Henry, Arapahoe County, Colo.
Application February 14, 1944, Serial No. 522,327
6 Claims. (Cl. 74—273)



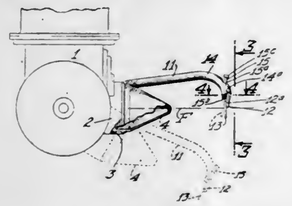
1. A speed reduction gear comprising a drive shaft, an eccentric nonrotatably secured thereto, a spur gear rotatably mounted on the eccentric, a crank disk mounted for rotation about the axis of the drive shaft, the spur gear and crank disk having interconnecting means constraining them to conjoint rotation, an internally toothed spur gear mounted for rotation about an axis concentric with the drive shaft, the radius of the pitch circle of the externally toothed spur gear being substantially equal to the radius of the pitch circle of the internally toothed spur gear minus the eccentricity of the eccentric, the throw of the eccentric being at least equal to the depth of the teeth, and means for holding either the externally toothed spur gear or the crank disk from rotating, whereby when the drive shaft and eccentric are rotated the spur gears will turn relative to each other during revolution of the eccentric, thereby effecting a speed reduction.

2,382,483
IGNITION SYSTEM FOR PULVERIZED COAL BURNERS
Edward Allen Holden, Jamaica, N. Y., assignor to Engineer Company, New York, N. Y., a corporation of New York
Application February 4, 1942, Serial No. 429,480
11 Claims. (Cl. 110—1)



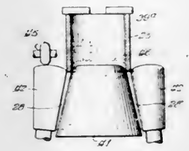
1. In an ignition system for a fuel burner, in combination; mechanism for igniting the burner fuel comprising means movable to operative position to discharge ignition fuel to ignite the burner fuel; means movable to operative position to ignite said ignition fuel; means for advancing said two means to their respective operative positions and for retracting said last mentioned means to a position out of range of the burner and ignition flames and for independently retracting said first mentioned means to a position out of range of the burner flame; control means for operating said retracting means; and means for operating said control means from a central point.

2,382,484
RAY SIGHT AND FILM HOLDER FOR X-RAY MACHINES
Joseph Homer, Los Angeles, Calif.
Application December 24, 1942, Serial No. 470,317
10 Claims. (Cl. 250—64)



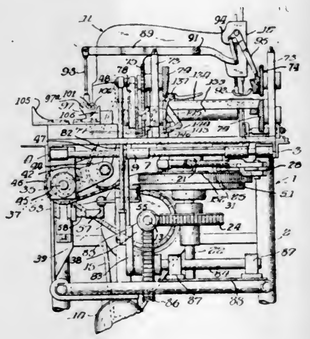
1. In a device of the class described for an X-ray machine, an arm adapted to be secured relative to the X-ray machine so as to extend outwardly from the head of the machine in the general direction of the X-ray beam emanating therefrom, said arm having a face substantially normal to the focal axis of the beam and adapted to receive a film thereagainst, and a film securing means comprising a plunger reciprocally mounted on the arm on an axis extending at a slight angle backwardly from the portion of the face adjacent the supporting arm, said plunger being provided at one end with a transverse jaw parallel to the face for clamping a film against the latter, the outer end portion of the plunger diverging from the face.

2,382,485
METHOD OF FORMING CONICAL DISKS
Roy C. Ingersoll, Winnetka, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 3, 1941, Serial No. 417,599
8 Claims. (Cl. 29—159.01)



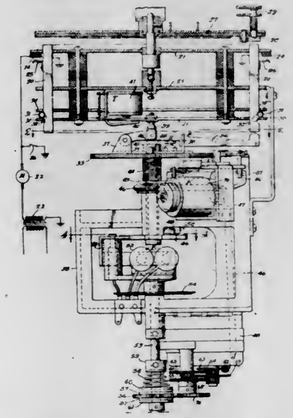
1. The steps in the method of forming, suitable for use in the construction of vehicle wheels and the like, a disk having a conical wall portion and a central substantially co-planar hat portion for attachment to a hub or the like, comprising: curling a strip of flat stock to bring its ends into abutting relation, welding said ends together to form a tube, rolling under pressure the wall of said tube for the entire length of the tube to reduce the tube in thickness to a cross-section tapered from side-to-side and simultaneously elongate the thinner side region of the tube whereby to produce a conical shape in the tube, and subsequently working the material of the smaller end of the cone thus produced toward the center, so as to develop the central substantially co-planar hat portion.

2,382,486
MATTRESS BORDER STITCHING MACHINE
Dwight N. Kelly, Chicago, Ill., assignor to A. Brandwein & Company, Chicago, Ill., a corporation of Illinois
Application April 14, 1941, Serial No. 388,417
10 Claims. (Cl. 112—117)



3. In a machine of the class described, the combination of a supporting base, a carriage movably carried thereby, a stitching mechanism mounted on said carriage, means for reciprocating said carriage relative to said base for forming a line of stitching, a thread cutter mechanism carried by said carriage for severing the thread at the end of the stitching operation, and cutter actuating means carried by said base, engageable with a portion of said carriage for actuating said thread cutter mechanism at the end of the stitching operation.

2,382,487
SELECTOR FOR AUTOMATIC PHONOGRAPHS
Mahlon W. Kenney, Oak Park, and Herman G. Jensen, Chicago, Ill., assignors to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application October 11, 1943, Serial No. 505,776
21 Claims. (Cl. 177—353)

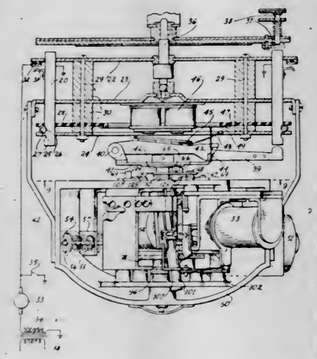


8. A selector for automatic phonographs comprising a member adapted to be moved in a plane into desired selecting position, a rachet wheel supporting said selector member, a rotatable structure carrying said rachet wheel, means biasing said rachet wheel to a normal position on said structure, a units stepper arranged to cooperate with said rachet wheel to move the same a definite number of steps relative to said structure, a holding dog adapted to hold said rachet wheel against return movement, means biasing said structure away from normal position, an escapement wheel on said structure, an escapement arranged to cooperate therewith, electromagnetic means controlling said escapement whereby a series of impulses received by said electromagnetic means effects movement of said structure a corresponding number of tens steps from normal position, means for returning said structure to normal position, means controlled by said structure for disengaging said dog from said ratchet wheel, means controlled by said structure in its normal position for latching said dog in inoperative position, a second rotatable structure carrying said escapement and last said electromagnetic means for rotatable movement for said escapement, last said electromagnetic means being in planetary relation to said escapement, and an electric motor for rotating last said rotatable structure to carry first said rotatable structure back to initial position.

2,382,488
SELECTOR FOR AUTOMATIC PHONOGRAPHS
Mahlon W. Kenney, Oak Park, and Herman G. Jensen, Chicago, Ill., assignors to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application November 4, 1944, Serial No. 561,986
21 Claims. (Cl. 177—353)

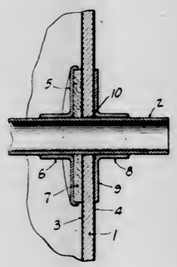
2. A selector for automatic phonographs comprising a series of displaceable selector members each corresponding to an individual recording, an actuator arranged to be brought into align-

ment with any one of said displaceable selector members, electromagnetic means for operating said actuator to displace a selector member in alignment therewith, a pair of stepping means adapted to respond to impulses to step said actuator into alignment with said selector members, one of said stepping means being adapted to move said actuator through large steps and the other stepping means being adapted to move said actuator through small steps, impulse sup-



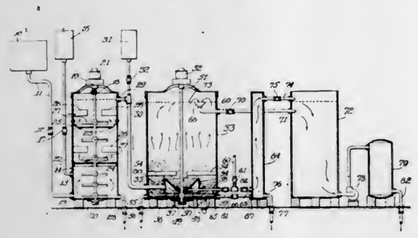
ply means normally connected to one stepping means, means controlled by last mentioned stepping means for connecting said impulse supply means to the other stepping means, means controlled by the other stepping means for energizing said electromagnetic means, and means associated with both said stepping means to prevent the energization of said electromagnetic means except when each stepping means has received a definite minimum plurality of impulses.

2,382,489
CONNECTION FOR CONTAINERS
Ernst R. Koppel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 13, 1942, Serial No. 450,811
5 Claims. (Cl. 285—49)



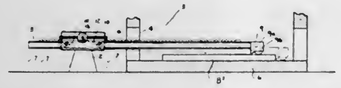
1. In combination, a sheet metal member having an opening therethrough and a protective coating of ceramic enamel on at least one of its sides, a tubular member extending through said opening and brazed to said sheet metal member at the edge thereof without injuring the previously applied enamel coating, a flange on said tubular member disposed to overlap said coating adjacent said opening for a substantial radial distance from the opening with a gasket therebetween to prevent circulation of fluid to the joint, and a flanged ferrule on said tubular member on the opposite side of said sheet metal member from said flange and having a diameter approximating that of said flange to confine the wall of said sheet metal member therebetween and reinforce the same adjacent said opening, said ferrule being secured to said tubular member.

2,382,490
METHOD AND APPARATUS FOR TREATING WATER
Joseph P. Lawlor, Ames, Iowa
Application December 22, 1939, Serial No. 310,657
6 Claims. (Cl. 210—16)



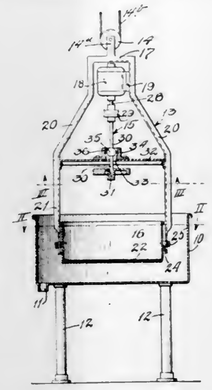
1. A method for treating water which comprises maintaining a body of water, introducing a small amount of water into a settling area in the lower portion of said body of water to disperse a precipitating agent throughout said body of water, introducing a mixture of raw water and a precipitating agent into said body through a small inlet area in the lower portion of the body below the portion thereof communicating with the settling area, collecting in the settling area the precipitating agent and precipitate from the body of water above said inlet area, withdrawing the collected precipitate and precipitating agent, withdrawing from the lower portion of said inlet area excess precipitating agent, and withdrawing treated water from the upper portion of said body.

2,382,491
FURNACE UNLOADER
Fred H. Loftus, Mount Lebanon, Pa.
Application August 11, 1943, Serial No. 498,180
7 Claims. (Cl. 214—23)



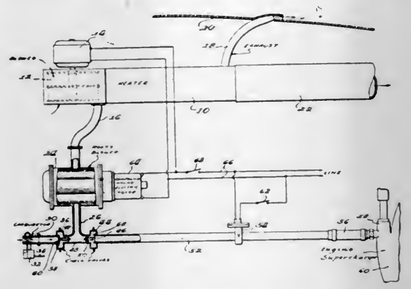
1. Apparatus for removing billets from a furnace comprising a housing with two aligned laterally extending bearings, means for tiltably supporting said housing comprising a shaft extending through said bearings, an arm mounted in said housing below said shaft for longitudinal movement, means carried by the furnace-entering end of said arm for engaging a billet, the weight of the furnace-entering end of said arm effecting, as the end of the arm is advanced into the furnace, a tilting of said housing and arm, whereby a billet in the funrace may be engaged by said billet-engaging means, means for moving said arm into and out of the furnace including a toothed rack on said arm, a pinion on said shaft in mesh with said rack, and means provided for rotating said shaft in reverse directions whereby the friction between the shaft and said bearings opposes the tilting of said housing and arm.

2,382,492
APPARATUS FOR TREATING EGGS
Frank B. Lomax, Chicago, Ill.
Application September 2, 1941, Serial No. 409,263
2 Claims. (Cl. 210—149)



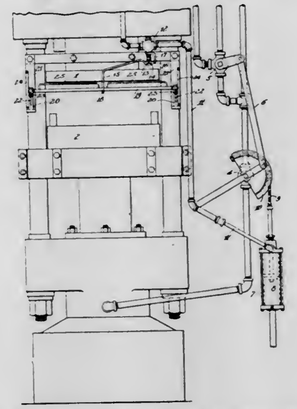
1. In an apparatus for treating liquid egg material or the like, a filter vessel having a foraminous filter wall, the foraminae of which are in the order of those of a wire mesh having 14 to 20 wires to the linear inch, means for freely suspending said vessel and means for vibrating said vessel, said last named means including an unbalanced fly wheel associated with said vessel and means for rotating said fly wheel at a speed substantially between 1,250 and 2,000 R. P. M.

2,382,493
AIRCRAFT HEATING SYSTEM
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased
Application June 12, 1942, Serial No. 446,812
9 Claims. (Cl. 237—12.3)



4. In a heating system for aircraft equipped with an internal combustion engine having a supercharger for supplying a combustible mixture thereto under superatmospheric pressure, the combination of a heater of the internal combustion type, a positive displacement pump having an inlet and having an outlet connected to said heater to supply a combustible mixture thereto, a carburetor connected to the inlet of said pump, conduit means connecting said supercharger to the inlet of said pump, and valve means controlling the flow to said pump, said means determining the flow to said pump from either said carburetor or said supercharger, whichever is at the higher pressure.

2,382,494
PRESS GUARD
Jacob B. Magin, Rochester, N. Y., assignor to Art in Buttons, Incorporated, Rochester, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,930
7 Claims. (Cl. 192—134)



1. In a hydraulic press of the type including a bed which moves upwardly into engagement with a stationary platen and returns to initial position during each cycle and valve mechanism controlling the movement of water for operating the bed upwardly and downwardly, guard mechanism comprising a compressed air cylinder operatively connected to said valve means for operating it, a compressed air line connected with said cylinder, a compressed air valve in said air line normally in closed position, a horizontally positioned guard rail which is stationary during the normal operation of the bed, an actuator movable into engagement with said compressed air valve to move the latter to open position and having its lower end slidably engaging said guard rail, and vertically movable supporting members pivotally connected to the ends of the guard rail permitting greater movement of one end of the guard rail than the other.

2,382,495
INDICATOR
John B. Malatesta, Jr., North Hollywood, Calif.
Application February 23, 1944, Serial No. 523,597
4 Claims. (Cl. 273—32)

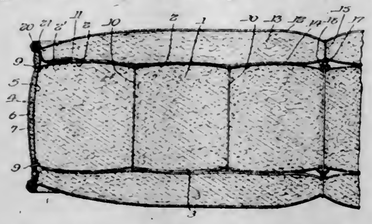


1. An indicator for use in playing golf comprising an elongated plate having an indicating straight line extending lengthwise thereof, and means for attaching the plate to the instep portion of an article of foot gear to extend transversely thereof.

2,382,496
MATTRESS CONSTRUCTION
Sam Marsack, Milwaukee, Wis., assignor to Marsack Patents Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 22, 1943, Serial No. 479,989
2 Claims. (Cl. 5—355)

1. In a mattress of the kind described, a yieldable core provided with filling material and cover

sheets at the top and bottom thereof, multiply boxing consisting of inner and outer plies with a filling interposed between the same, said boxing extending around the sides and ends of the core, said cover sheets being secured to said filling material between the ends thereof by lines of tufting, a pad for the top consisting of two pad cover



sheets with intermediate yieldable filling material and stitched together at spaced points, flaps secured to the inner face of the pad at said stitching, lacing means for securing the said flaps to the adjacent cover sheet and attached core at lines of tufting, said cover sheets at their edges being secured to the adjacent edges of the inner and outer plies of the boxing.

2,382,497

NEW THERMOPLASTIC COMPOSITIONS AND METHOD OF MAKING SAME

George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 25, 1941, Serial No. 416,587

20 Claims. (Cl. 260—768)

1. A new composition of matter obtained by intimately mixing a rubber with an organic phosphine halide having at least one halogen atom and at least one organic radicle directly attached to a trivalent phosphorus atom in a proportion within the range equivalent to 65–200 parts by weight of crude phosphine halide per 100 parts of rubber and heating the mixture within the range of room temperature to 140° C.

2,382,498

ELECTRICAL INSULATING MATERIAL

John Frederick Morley, London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y.

No Drawing. Application July 10, 1940, Serial No. 344,731. In Great Britain July 25, 1939

4 Claims. (Cl. 260—4)

1. The method of preparing a homogeneous mixture containing a polymerized mono-olefine and a polymerized mono-nuclear aromatic vinyl hydrocarbon compound, which comprises swelling rubber in liquid polymerizable styrene to form a millable solid composition containing between 10% and 30% of rubber, mixing the composition in order to make it homogeneous and then heating the composition to polymerize the styrene, and then milling polymerized mono-olefine into the composition.

2,382,499

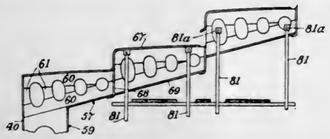
SHIP STRUCTURE

Edward Fitzgerald Moroney, Penarth, Glamorgan, South Wales

Application February 17, 1942, Serial No. 431,225 In Great Britain January 28, 1941

4 Claims. (Cl. 114—79)

1. A deck structure for use in ship construction composed of web-plate units welded together end-to-end to form deck beams, each of said units comprising web-plates and intermediate-plates which are welded to said web-plates to space them apart and which are themselves spaced longitudinally apart to leave open spaces along the central axis of the respective deck beam, and deck plates



secured across the tops of series of said units arranged side-by-side, each inner series of said units being arranged at a higher level than the next outer series so that the deck plates form a deck structure of stepped formation with the steps running longitudinally and rising in the direction from the ship's sides inwards.

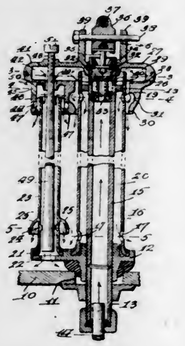
2,382,500

ANTISIPHON BALL COCK VALVE

Jesse C. Owens, Los Angeles, Calif.

Application September 11, 1943, Serial No. 501,943

9 Claims. (Cl. 137—104)



1. The combination with a flush tank water supply pipe, of a housing mounted on said supply pipe, a hush tube concentrically disposed about said supply pipe, the open upper end of which hush tube communicates with the chamber in said housing and is spaced apart from the walls thereof to form an outlet opening, said supply pipe being provided with outlet ports which communicate with the chamber in the housing, float controlled valvular means for controlling the flow of water from said supply pipe to said outlet ports, means below said outlet ports for closing the annular chamber between said supply pipe and hush tube and there being apertures formed in the wall of the hush tube below said annular chamber closing means.

2,382,501

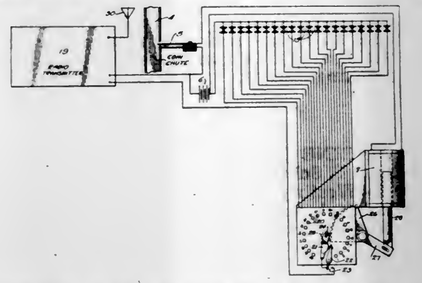
IMPULSE TRANSMITTER

Herbert J. Oyler, Dallas, Tex., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois

Original application June 24, 1940, Serial No. 342,038. Divided and this application December 5, 1940, Serial No. 368,570

4 Claims. (Cl. 177—380)

1. An impulse transmitter comprising a plurality of contacts, means adapted to move over said contacts, individual selector means each adapted to energize a different number of said contacts, a control circuit including said movable means adapted to transmit a series of impulses



corresponding to the number of contacts energized, and a switch controlled by said movable means in one position for breaking said circuit and in the other position for completing said circuit.

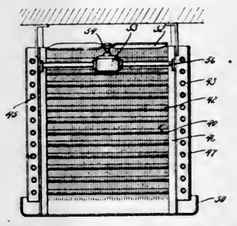
2,382,502

AIR CONDITIONING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application June 19, 1939, Serial No. 279,807

1 Claim. (Cl. 62—139)



An air conditioning system comprising, in combination, perforate heat absorbers consisting of a plurality of single rows of extended surface finned coils of shallow depth, arranged to produce a vertical passageway, supporting means disposed at the ends of each row of coils and to which said coils are connected to produce said vertical passageway, a drain pan attached to said supporting means and constructed for substantially obstructing one end of said passageway, and circulating means supported by said coil supporting means and positioned within said passageway opposite to said drain pan.

2,382,503

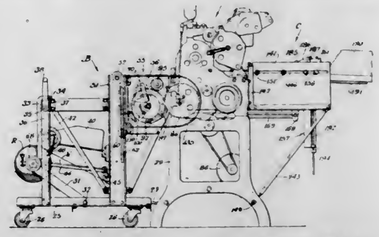
PRINTING MACHINE

Charles H. Sand, Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application May 4, 1942, Serial No. 441,633

4 Claims. (Cl. 101—227)

1. In a web handling mechanism for use with a printing machine, means for supplying a web, a feed roller and an opposed pressure roller engaging said web with a continuous clamping action, a rotating member, a toothed wheel mounted coaxially with said rotating member, means interconnecting said wheel and said feed roller, a pawl mounted on said rotatable member and normally engaging said wheel to drive said wheel and said feed roller rotatively, a stationary cam effective during a portion of each rotation of said member to disengage said pawl from said wheel, a brake effective to restrain said feed roller against movement, means for operating said



brake, and a part carried by said rotatable member for actuating said brake operating means to apply said brake when said pawl is disengaged from said wheel.

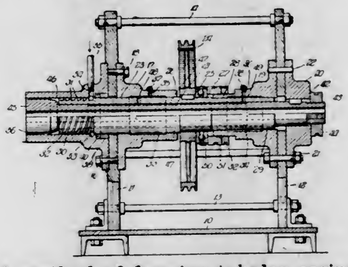
2,382,504

METHOD AND APPARATUS FOR FORMING TUBULAR CASINGS

Kristian Schultz, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

Application June 5, 1941, Serial No. 396,733

3 Claims. (Cl. 18—14)



2. A method of forming tubular casings from fibrous plastic material, comprising forming a plastic mass of said material into a tubular body in a forming zone, successively subjecting different portions of the tubular wall of said body to radial compression and arcuate frictional action about the axis of the body to knead the wall of said body throughout substantially the entire thickness thereof, said body being maintained in tubular form throughout the kneading operation, the plane of the arc in which said frictional action is exerted being substantially transverse to said axis whereby the fibers of said wall are aligned transversely with respect to said axis, simultaneously exerting fluid pressure on one end of the mass to cause the same to flow longitudinally along said axis into a dicharge zone, and forming the mass in the discharge zone into a tubular casing having smooth inner and outer surfaces and providing a tubular wall of substantially uniform thickness.

2,382,505

OLEFIN RECOVERY PROCESS

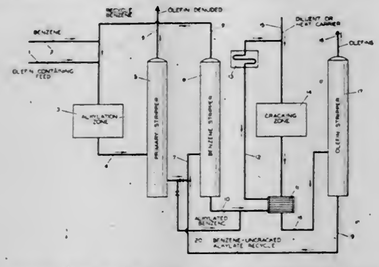
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 5, 1942, Serial No. 460,846

5 Claims. (Cl. 260—677)

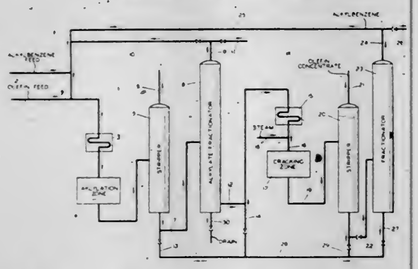
2. A process for the separation and recovery of low-boiling C_3 to C_5 aliphatic olefins in concen-

trated form from hydrocarbon mixtures containing a minor proportion of said olefins in admixture with a major proportion of close-boiling paraffins which comprises admixing said mixture with benzene in such proportions as to give a benzene-olefin molar ratio greater than about 1:1, treating the resulting mixture with an alkylation catalyst under such conditions that substantially all of the olefins contained in said hydrocarbon mixture are reacted with the benzene and converted to alkyl side chains on the ben-



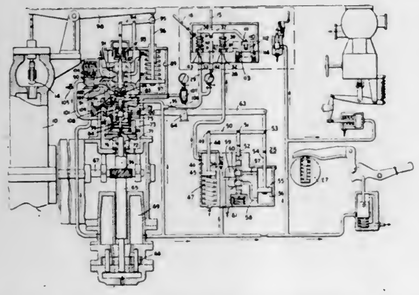
zene nucleus, substantially completely separating unreacted components of said hydrocarbon mixture and unreacted benzene from the alkylation reaction products, treating the alkylate so produced in the absence of benzene with a cracking catalyst consisting of synthetic silica-alumina gel at temperatures of 700 to 1000° F. and under conditions such that dealkylation of said alkylate to benzene and said olefins is the principal reaction occurring, and recovering from the cracking effluent said olefins in concentrated form.

2,382,506
OLEFIN RECOVERY PROCESS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,849
5 Claims. (Cl. 260—677)



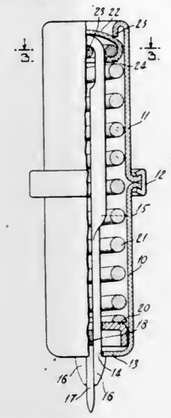
1. A process for the separation and recovery of low-boiling C_3 to C_5 aliphatic olefins from hydrocarbon mixtures containing a minor proportion of said olefins in admixture with a major proportion of close-boiling paraffins which comprises admixing said mixture with a mono-alkyl benzene in such proportions as to give a mono-alkyl benzene-olefin molar ratio greater than 1:1, treating the resulting mixture with an alkylation catalyst under such conditions that substantially all of the olefin content of said hydrocarbon mixture is reacted with said mono-alkyl benzene and converted to additional alkyl side chains on the benzene nucleus forming poly-alkylbenzenes while said paraffin is unaffected, substantially completely removing unreacted components of said hydrocarbon mixture and unreacted mono-alkyl benzene from the alkylation reaction products, treating the poly-alkyl benzenes so produced with a synthetic silica-alumina gel type cracking catalyst at temperatures of 600 to 1000° F. and under conditions such that dealkylation of said poly-alkylbenzenes to said mono-alkyl benzene and said olefins is the principal reaction occurring, recovering said olefins in concentrated form from the cracking effluent.

2,382,507
MARINE TURBINE ELECTRIC DRIVE
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1942, Serial No. 470,555
12 Claims. (Cl. 137—158)



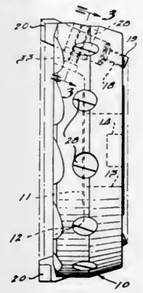
1. In a ship propulsion arrangement of the electric drive type wherein the propeller is operated by an electric motor connected to a generator driven by a turbine and wherein the propulsion speed is varied by varying the speed of the turbine, means for varying the turbine speed to vary the propulsion speed comprising a motive fluid admission valve for the turbine; pressure-responsive means for controlling the admission valve and including a pressure chamber; said pressure-responsive means and admission valve having such relation that decrease in pressure results in movement of the admission valve in an opening direction and vice versa; means providing a first pressure space; means for maintaining liquid under pressure in said first space and including an escape port and a valve cooperating with the latter to control the pressure in the space; means including a first load spring responsive to speed of the turbine for applying force to the valve in a direction to increase the pressure in the first space as the turbine speed increases and vice versa; additional means arranged to adjust the loading of said first load spring so as to vary the force applied to the valve and the pressure in said first space; means providing a second space for liquid under pressure; means providing for the maintenance of liquid under pressure in said second space and including an escape port and a valve cooperating therewith; a second load spring for exerting closing force on the last-named valve; means including a manually controllable element for operating the additional means, means for adjusting the loading of said second load spring and normally operable from said manually controllable element so that, as the latter is moved to increase the loading of the first load spring, the loading of the second load spring is reduced and vice versa; and means responsive to pressures in said first and second spaces for placing said chamber in communication with the space having the higher pressure.

2,382,508
SKIN FASTENER
Donald A. Seaver, West Cheshire, and Paul E. Fenton, Middlebury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application April 7, 1944, Serial No. 529,900
11 Claims. (Cl. 85—5)



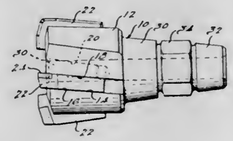
1. In a clamp device, a cup-shaped body having a base provided with an opening, a retainer within said body slidable through said opening and having at least one lateral projection at the outer end thereof, a head at the inner end of said retainer, and a coil spring encircling said retainer and interposed between said head and said body, to normally retract said retainer inwardly of said body and to urge said projection into clamping engagement with said base, said body comprising two concentric cylindrical portions having their adjacent edges bent outwardly and secured to each other to form an annular collar and having its inner free edge spun inwardly to form a stop for said retainer.

2,382,509
MILLING CUTTER
Donaldson Seiter, Detroit, Mich., assignor to Tungsten Carbide Tool Company, Detroit, Mich., a corporation of Delaware
Application July 14, 1943, Serial No. 494,668
1 Claim. (Cl. 29—105)



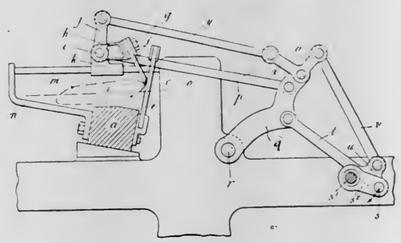
A rotary cutter comprising a rotary body having an outwardly directed wall and an annular rim at the outer edge of the wall, said rim having a cylindrical opening extending axially from its free end and partially through the wall, the wall having a threaded smaller opening extending from the end of the first opening and through the remainder of the wall, a cutter bar in the first opening and having a flat surface portion, a threaded element in the smaller opening and engaging the cutter bar for moving the latter along its opening, said rim having a second cylindrical opening extending transversely to the first opening and partially intersecting it, a wedge element having a tapped, axial opening slidable in the second opening and having a wedge face contacting the wedge surface of the cutter bar, and threaded means connecting the rim and wedge element for adjusting the latter along its opening, said last-mentioned means comprising a screw threaded into the wedge element and accessible at the radially inner side of the rim for adjustment.

2,382,510
BORING TOOL
Donaldson Seiter, Detroit, Mich., assignor to Tungsten Carbide Tool Company, Detroit, Mich.
Application July 26, 1943, Serial No. 496,158
2 Claims. (Cl. 77—58)



1. An inserted blade cutting tool comprising a body member having a slot therein extending longitudinally of said body with its sides disposed at an angle to the longitudinal axis of the body member and having one of said sides converging outwardly toward the other side, another slot arcuate in cross-section formed in said body member inwardly of the periphery thereof and communicating with said first named slot, the longitudinal axis of said another slot being disposed at an angle to the longitudinal axis of the body member in the same diametral plane and at an angle to the sides of said first named slot when such sides are extended to intersect said diametral plane, a cutter blade disposed in said first named slot, and a wedge complementary in shape to said second named slot disposed therein in bearing relation against one side of said blade.

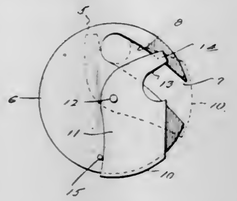
2,382,511
WEFT BEAT-UP MECHANISM OF LOOMS FOR WEAVING
Derrick Walter Shimwell, Alderley Edge, England
Application February 16, 1944, Serial No. 522,609
In Great Britain February 26, 1943
5 Claims. (Cl. 139—191)



1. Weft beat-up mechanism for a loom of the type in which the reed does not effect beat-up, comprising a beat-up comb, and means for guid-

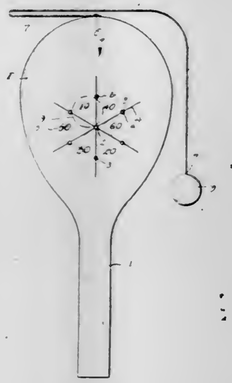
ing and moving said comb through a closed path in which it enters the warp threads adjacent to the reed from above, travels to the beat-up point and effects beat-up, and then withdraws with an upward movement from the warp threads and returns to its entry point in order to effect the next beat-up operation.

2,382,512
PIPE THAWING DEVICE
Jake W. Simon, Topeka, Kans.
Application March 4, 1944, Serial No. 525,097
3 Claims. (Cl. 138—33)



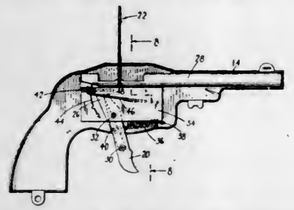
1. A pipe thawing device comprising a shell having a pipe receiving slot therein extending longitudinally along the shell and inwardly of the end walls thereof, a visor for the slot pivotally secured to said shell, and means on said visor adapted to abut against a pipe over which the shell is disposed to close said slot.

2,382,513
AMUSEMENT DEVICE
Henry Singer, Honolulu, Territory of Hawaii
Application November 29, 1943, Serial No. 512,188
4 Claims. (Cl. 273—97)



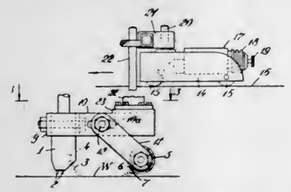
1. An amusement device of the class described comprising a paddle target, a projectile, a tether connecting the projectile to the target, and a plurality of shanks extending from a face of the target, certain of said shanks being equidistantly spaced around one of the shanks, the distance between the equidistantly spaced shanks being substantially equal to the space between each of said shanks and the central shank, the projectile being of a diameter in excess of each of the spaces between said shanks, each of said shanks being exteriorly threaded.

2,382,514
TOY PROJECTILE-SHOOTING GUN
Anthony N. Smith and Donald V. Godfrey, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application November 8, 1941, Serial No. 418,350
6 Claims. (Cl. 124—27)



1. A toy simulating a trigger-operated portable gun such as a pistol or rifle, and comprising a gun body including a barrel for toy projectiles, a finger-operated pull trigger pivoted intermediate its ends in said gun body and movable from rest position to ejecting position in which a projectile is ejected from the gun, an ejector having its lower end pivoted on the trigger near the lower end of the trigger and also movable from rest position to ejecting position, means constraining the trigger and ejector to move together from ejecting position to rest position, the ejector being free to have a movement to ejecting position separate from the movement of the trigger, the ejector being positioned and constructed for ejecting a projectile from said barrel each time the trigger is pulled through its range of movement, and a spring anchored to said gun body and connected to the ejector at a point intermediate the aforesaid pivots, said spring being normally tensioned to move the trigger about its pivot to rest position and thereby to move both the trigger and the ejector to rest position, movement of the trigger about the pivot during a trigger stroke acting to increase the said tension on the spring to thereby increasingly tension the ejector for a projectile ejecting operation, a holding means for the ejector and means operable during a trigger stroke for releasing the holding means.

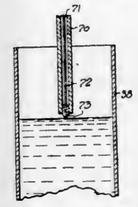
2,382,515
PROGRESSIVE SURFACE HARDENING AND TEMPERING OF METAL
Stephen Smith, Jersey City, N. J., assignor to Air Reduction Company, Incorporated
Application June 29, 1943, Serial No. 492,701
8 Claims. (Cl. 148—21.55)



5. Apparatus for hardening and tempering the surface of a ferrous metal work-piece hardenable by heating and quenching comprising heating means for heating the work surface above its critical temperature, means for applying a quenching liquid to the heated work surface, means spaced behind said last-named means for removing the quenching liquid from the surface

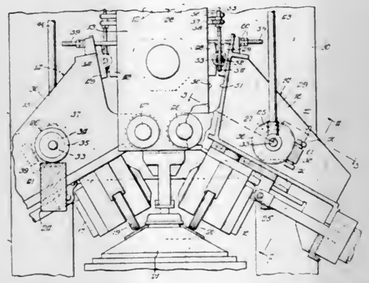
under treatment before said surface is fully quenched, means for producing relative movement of the work-piece on the one hand and all of said means on the other hand, and means for adjusting the quenching liquid removing means to vary the distance between the places on the work surface at which the quenching liquid is applied and removed, whereby the length of time during which the quenching liquid is effective may be varied.

2,382,516
LIQUID LEVEL FOLLOW-UP DEVICE
Philip T. Sprague, Long Beach, Ind., assignor to The Hays Corporation, Michigan City, Ind., a corporation of Indiana
Application March 29, 1943, Serial No. 480,971
5 Claims. (Cl. 200—152)



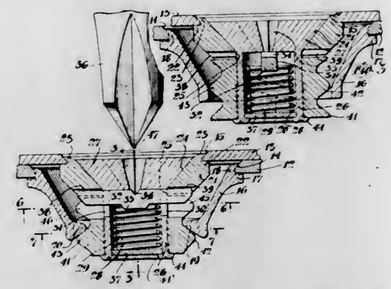
1. In an electrical follow-up device responsive to changes in a liquid level, an electrode unit comprising a vertical tubular non-conducting member having a capillary bore adapted to receive and retain a small quantity of liquid at its lower end, and an electrode in said member terminating within said liquid and above the level of the lower end of said member.

2,382,517
ADJUSTING MECHANISM FOR ROLLING MACHINES
Frank A. Stuhlman, Forest Park, and Adolph W. Doderer, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 1, 1941, Serial No. 421,161
1 Claim. (Cl. 80—16)



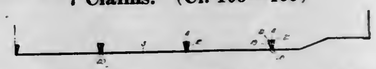
A rolling machine comprising a support for a blank to be rolled, roll means for operating on the blank, said means comprising a roll and a support therefor, said roll being shiftable over the surface of the blank and productive of shifting loads in the machine, an upper reaction point for the roll means located centrally of the blank support, other reaction means located on either side of the roll, and means for stressing the roll means to produce a reaction in the upper reaction point which is substantially opposite in direction to the reaction produced in the other reaction means in order to lock the roll means against undesired shifts in position relative to the blank which might result from the shifting loads, the stressing means comprising means on the roll support for changing the effective length of the roll support to approximately that required, and other means for obtaining the exact length required.

2,382,518
FASTENER
J Mills Summers, Englewood, N. J., assignor, by mesne assignments, to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application November 7, 1941, Serial No. 418,127
8 Claims. (Cl. 24—221)



1. In a fastener of the type having a screw threaded stud in which the threads engage with a mating receptacle, a stud assembly and locking means comprising a rotatable stud member provided with a head having a manipulating slot, a mounting grommet member encircling the same and adapted to be fixedly secured to a structure, locking means carried by one of said members and locking means carried by the other of the same, whereby both of said locking means cooperate for locking said rotatable member against movement with respect to said grommet member, and actuating means positioned within said head slot and operatively connected with one of said locking means, whereby said locking means may be actuated upon manipulation of said actuating means.

2,382,519
RAILWAY CAR WALL
James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1944, Serial No. 542,854
7 Claims. (Cl. 105—409)



1. A wall, of girder construction, adapted to form a load retaining means for a railway car, said wall comprising: a top chord, a bottom chord, spaced T-shaped members extending between and secured to said chords with the stems thereof projecting toward the outside of the car, and web plates extending between and secured to the bottom chord and the top chord, the major portion of said web plates being in the plane of the outer edges of the stems of said members, said plates formed with vertical marginal flanges, the apices of said plates and said flanges being secured to said outer edges of said stems and the edges of said flanges being secured to the bases of said

T-shaped members, whereby each member in cooperation with the flanges of adjacent plates forms a stiffener for the girder and a beam between said chords to retain a load.

2,382,520
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 11, 1943, Serial No. 505,727
1 Claim. (Cl. 85—36)



A bowed body of resilient sheet material having two bolt openings respectively on the opposite sides of the crest of the body, the material of the body being deformed about the bolt openings on the concave side of the body to provide thread engagers of a pitch not less than the thickness of the body.

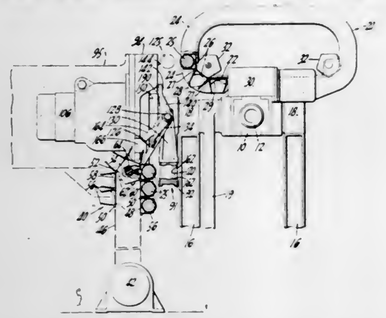
2,382,521
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 13, 1943, Serial No. 506,077
2 Claims. (Cl. 85—36)



1. A fastener of the character described comprising two resilient sheet material base portions aligned with each other and each terminating inwardly in an inclined tongue with parallel edges and notched at its free end, the two tongues being spaced apart and warped in opposite directions so that they provide a helical turn, and two upstanding bridges extending longitudinally of the fastener on opposite sides of the tongues and spaced from the edges of the tongues merely by the slits defining such edges, such bridges having their ends made into downwardly extending portions which form integral junctions with the edges of the bases between the roots of the tongues and the extreme ends of the bases, the edges of the tongues being confined between the upstanding bridges and separated therefrom merely by enough space to allow movement of the tongues.

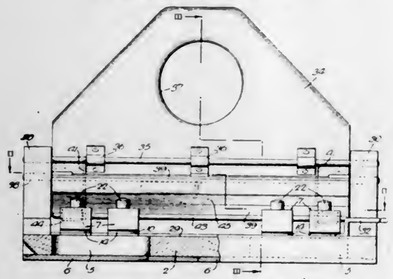
2,382,522
ORDNANCE
John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application June 17, 1942, Serial No. 447,381
9 Claims. (Cl. 89—33)

9. In combination, an ammunition feed mechanism and a gun mounted upon a support having a trunnion axis about which said gun is pivotable for aiming adjustments thereof, said gun having an ammunition feedway disposed eccentrically of said trunnion axis, ammunition storage means disposed remotely from the position of said gun and having an ammunition discharge portion thereof at a fixed position, the positions of said ammunition feedway and said storage discharge portion being equi-distant from said trunnion axis, and ammunition transfer means having carrying means thereon adapted to pick up and convey ammunition rounds single from said storage magazine discharge portion to said feed magazine inlet port, said pick up means comprising an ammunition carrier device rotatable between positions of registry with said magazine discharge portion and said feed magazine inlet port, said carrying device including a finger mechanism pivotable relative to said carrier and cam means connected to said finger mechanism and cam track means carried by said gun support in registry with said cam means and operable to actuate said finger means so as to project laterally



from said carrier device as the latter is rotated into the region of said storage magazine discharge portion to engage behind ammunition rounds presented thereat and to thereupon initially move relative to said carrier to a limited extent so as to load said carrier with ammunition and then to move further as the carrier is rotated into registry with said feed magazine inlet port so as to unload the transferred ammunition from said carrier into said feed magazine, and stop means carried by said arm to register during rotation of said arm with abutment means for halting rotating movements of said arm as said carrier device registers alternately with said storage magazine discharge portion and said feed magazine inlet port.

2,382,523
PUNCH
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application December 23, 1943, Serial No. 515,358
1 Claim. (Cl. 164—91)

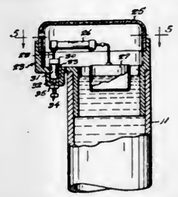


In a desk type hand operated punch, a base member, a pair of upstanding supports secured to opposite ends of said base member, a pair of rods each having its ends mounted in said supports, a pressure plate pivotally secured to one of said rods, an operating handle pivotally secured to said other rod, and a link connecting said operating handle to said pressure plate.

2,382,524
ACCELERATORS
George W. Watt, Austin, Tex., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application June 29, 1938, Serial No. 216,627. Divided and this application June 19, 1943, Serial No. 491,567
14 Claims. (Cl. 260—788)

1. A method of treating rubber which comprises vulcanizing it in the presence of an amine salt of a 2-mercapto 4-aryl thiodiazole 5-thione in which the amine is selected from the group consisting of aliphatic amines, aromatic substituted aliphatic amines, alicyclic amines, and guandines.

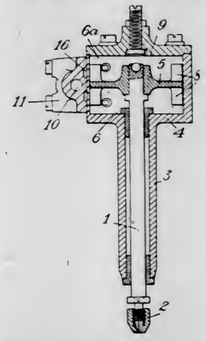
2,382,525
LEVELING SYSTEM
Fred G. Wellington, Seattle, Wash., assignor to Paul Wickstrom, Seattle, Wash.
Application November 1, 1941, Serial No. 417,520
6 Claims. (Cl. 33—209)



1. A liquid-tube leveling system comprising the combination of a manifold having a plurality of substantially fixed risers extending upwardly as branches to substantially similar heights from the manifold; hydrostatic heads for the respective risers; float-operated indicator devices for the respective risers housed in said heads and characterized by movement relatively in correspondence with changing levels of the liquid within the related risers; means for supplying liquid to the system for bringing the liquid within a selected riser, employed as a prime reader, to a desired level arrived at by recourse to the related indicator device; and means having operative connection with the indicator devices of the other said risers permitting the latter to be individually adjusted relative to a related hydrostatic head in attaining a reading of the latter said indicator devices corresponding to that of the prime reader, said means permitting correlation as between the several indicator devices without disturbing either the hydrostatic heads or the liquid levels therein.

2,382,526
FLUID MOTOR
Percy White, Twickenham, England, assignor to The Automotive Engineering Company Limited, Twickenham, England
Application May 31, 1944, Serial No. 538,119
In Great Britain August 12, 1943
7 Claims. (Cl. 253—2)

1. A fluid motor device comprising in combination a spindle, a turbine rotor of disc form at one end of the spindle, a set of turbine vanes disposed on each side of said rotor disc, a stationary casing in which said rotor is accommodated and which is divided thereby into two separate turbine chambers each having its own inlet and exhaust passages, the rotor and spindle be-



ing mounted in said casing for both rotary and reciprocatory movements relatively thereto, and means for varying the fluid pressure in one or the other of said chambers whereby to produce an axial movement of the spindle.

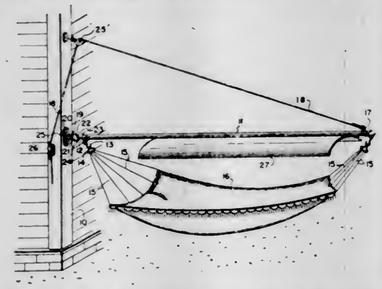
2,382,527
FLUID FOR FLUID PRESSURE SYSTEMS
Charles E. Allderdice, Jr., Chicago, Ill., assignor to The Bell Co., Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 31, 1944, Serial No. 520,546
1 Claim. (Cl. 252—73)

In a fluid pressure system a fluid consisting of substantially the following proportions by volume: 92% of a mineral oil having a flash point exceeding 250° F., a boiling point above 500° F., a pour point below —60° F., a viscosity at 100° F. of between 50 and 60 Saybolt Universal seconds, and an aniline point exceeding 175° F., and 8% of a polymerized hydrocarbon, said fluid so formed having a flash point exceeding 290° F. and safe from combustion in ordinary handling, transit and storage, a boiling point in excess of 500° F. to prevent vapor lock, a pour point below —55° F. to resist freezing, a viscosity at 100° F. of between 90 and 95 Saybolt Universal seconds to prevent leaking past pistons and losing hydraulic pressure and an aniline point exceeding 170° F. to assure a sufficiently low aromatic hydrocarbon content so that the fluid has practically no swelling or deteriorating effect on synthetic rubber parts.

2,382,528
HAMMOCK SUPPORT
Edward W. Anderegg, Algoma, Wis., assignor to Algoma Net Company, Algoma, Wis., a corporation of Wisconsin
Application August 19, 1943, Serial No. 499,274
3 Claims. (Cl. 5—127)

1. A hammock support adapted for attachment to a wall or suitable supporting body, comprising a member formed to provide an open wall socket having a circular peripheral edge, means for securing said member to the supporting body, a pole having a ball at one end pivotally engaging said socket, said socket being arranged with respect to the member to direct the open side thereof outwardly away from the supporting body, said socket and ball providing a universal joint to facilitate the turning of the ball therein to a position in

which the pole extends substantially vertically, hook members at the inner and outer ends of the pole for facilitating the attachment of a hammock



to the pole, and means connected with the outer end of the pole for effecting the swinging of the pole on said pivot between the vertical and horizontal position.

2,382,529
PREPARATION OF CHLORINATED RUBBER COMPOSITIONS
Làszló Auer, South Orange, N. J.
No Drawing. Application June 12, 1942, Serial No. 446,773
8 Claims. (Cl. 260—736)

1. In the manufacture of chlorinated rubber coating compositions dissolved in aromatic hydrocarbon solvents, the process which includes preparing a fatty oil for compounding with the chlorinated rubber by dispersing in the fatty oil from 2% to about 10% of a salt, the cation of which consists of a member of the class of alkali metals, ammonium, alkaline earth metals, zinc and magnesium, and the anion of which consists of a member of the class of carbonates, sulfites and sulfides, said salt being capable of promoting heat bodying of the oil and heating the mixture at a temperature between about 100° C. and 300° C. to yield a heat bodied fatty oil which is difficulty soluble in said solvents, treating said fatty oil while at elevated temperature with a dissolution promoting agent soluble in said solvents and consisting of a member of the class of phenols, naphthols, benzoic acid, phthalic acid and phthalic anhydride, whereby the solubility characteristics of the treated oil in said solvents are increased, and thereafter compounding the treated fatty oil with the chlorinated rubber and said solvents.

2,382,530
MANUFACTURE OF SOAPS
Làszló Auer, South Orange, N. J.
No Drawing. Application August 17, 1942, Serial No. 455,131
16 Claims. (Cl. 260—417)

1. The process for producing a solid soap from materials of the group consisting of fatty oils and fats, which process comprises heating a batch of fatty material in the presence of substantially anhydrous sodium carbonate (substantially free of crystal water) to a temperature of between 150° C. and 350° C., the sodium carbonate being present in an amount at least sufficient to effect approximately complete saponification of said fatty material, and the heating being effected under conditions maintaining the released carbon dioxide in intimate contact with the surface of the batch.

2,382,531
SOAP MANUFACTURE
Làszló Auer, South Orange, N. J.
No Drawing. Application August 17, 1942, Serial No. 455,132
8 Claims. (Cl. 252—370)

1. In the manufacture of solid soaps from fatty materials by the anhydrous saponification method, the process which comprises heating the fatty material, together with rosin and a dry saponifying agent selected from the class consisting of alkali metal oxides and hydroxides and alkali metal carbonates and bicarbonates, to a temperature of from 150° to 350° C., whereby to effect saponification and the production of a hard soap under conditions substantially precluding the presence of water, the rosin being present in amounts ranging from 15% to 40% based on the weight of the fatty material.

2,382,532
VULCANIZED FATTY OIL EMULSIONS
Làszló Auer, South Orange, N. J.
No Drawing. Application December 4, 1942, Serial No. 467,904
27 Claims. (Cl. 106—170)

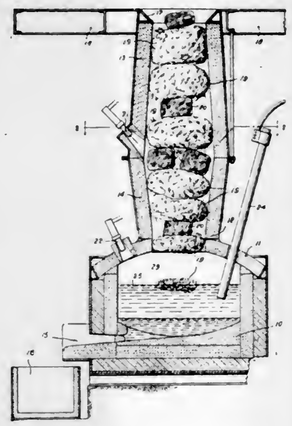
1. A stable oil-in-water dispersion of a vulcanized fatty oil, containing methyl cellulose and another surface-active agent which reduces the surface tension of the oil-water interface, the methyl cellulose constituting a minor amount and not substantially more than about 2% in relation to the oil.

2,382,533
OIL IN WATER DISPERSIONS
Làszló Auer, South Orange, N. J.
No Drawing. Application December 14, 1942, Serial No. 468,989
13 Claims. (Cl. 106—170)

1. A coating composition comprising a dispersion of the oil-in-water type, the dispersion medium comprising water and the dispersed phase comprising film forming vehicle solids incorporating a fatty oil, the vehicle solids of said dispersed phase having a viscosity of at least Q on the Gardner scale, and the dispersion containing methyl cellulose and another surface-active agent which reduces the surface tension of the oil-water interface, the quantity of the methyl cellulose being from about 0.1% to about 2% of the weight of said vehicle solids.

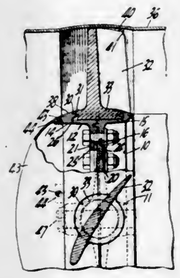
2,382,534
METHOD OF MELTING AND REFINING FERROUS METALS
Thaddeus F. Baily, Canton, Ohio
Application November 11, 1944, Serial No. 563,055
12 Claims. (Cl. 75—12)

11. The method of melting ferrous base, low carbon, high melting point long turnings and heavier scrap which consists in charging loose masses of the long turnings into the open top of a shaft type furnace, supporting bundles of heavier scrap upon said long turnings, supporting the charge partly upon the shaft walls and partly upon the slightly compressed long turnings in the throat of the shaft and permitting the entire charge to descend slowly through the shaft to the hearth of the furnace, preheating the charge in a reducing atmosphere as it descends through the lower part of the shaft by passing all products of combustion upwardly from the hearth through the shaft and out of the open top of the shaft and maintaining said products of combustion in a reducing condition in the lower part of the shaft and finally melting the



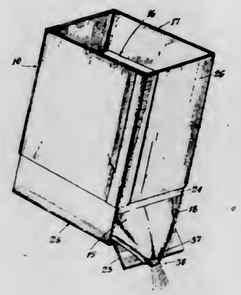
preheated charge with electric heat in the hearth of the furnace.

2,382,535
AXIAL FLOW FAN
Norman T. Bauer, Kenmore, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y., a corporation of New York
Application January 26, 1943, Serial No. 473,619
4 Claims. (Cl. 230—114)



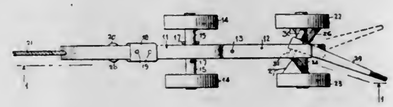
1. A fan wheel comprising a wheel member having a periphery so shaped as to form an unbroken part of a sphere, said member being formed through its periphery with a plurality of radial base apertures, a plurality of fan blades rotatably carried by said member, each of said blades being formed with a broad base of cylindrical disc-shape form for engagement with one of the base apertures in said periphery, the top surface of each of said bases being spherically shaped to conform to the periphery of said member, whereby the spherical continuity of said periphery is maintained across its entire width, the under surface of each blade on each side of said base being spherically shaped to conform to the periphery of said member, a pair of registering stud apertures formed in said member in alignment with said base aperture, each of said blades being provided with a radially arranged stud extending inwardly from said base and having spaced bearing surfaces for engagement with one pair of the stud apertures, each of the studs being formed with a clamping portion between the bearing surfaces thereof, a clamp for each of said blades disposed about the clamping portion of said stud and between said bearing surfaces, means for preventing axial movement of said clamp upon said stud, a lever carried by each of said clamps, an adjusting ring rotatably carried by said member, means for operatively connecting said lever to said ring and means for limiting the rotation of said adjusting ring and for locking it in its adjusted position.

2,382,536
PACKAGE OF LIQUID MATERIAL AND CONTAINER THEREFOR
Thomas Russell Baxter, Plainfield, N. J., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application August 25, 1942, Serial No. 456,003
6 Claims. (Cl. 229—14)



1. A container for liquid materials comprising, in combination, an outer frangible paper board casing having a certain internal cross-sectional dimension and semi-rigid supporting walls, and an inner substantially leak-proof bag of puncture-resisting closely woven cloth coated on the inside with sealing material and having a cross-sectional dimension at least equal to the internal cross-sectional dimension of said casing; said casing comprising an inner carton having an opening adjacent one side thereof and an open-ended outer tubular shell slidably receiving said inner carton with one wall thereof normally covering said opening.

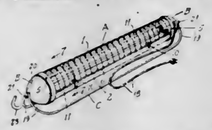
2,382,537
ANIMAL TOY
Howard William Beaver, Eagle Rock, Calif.
Application November 12, 1943, Serial No. 509,967
6 Claims. (Cl. 46—104)



1. In an animal toy having a body portion, a tail wagging mechanism consisting of a pair of wheels spacedly fixed on a shaft, means for rotatably mounting said shaft in said body portion

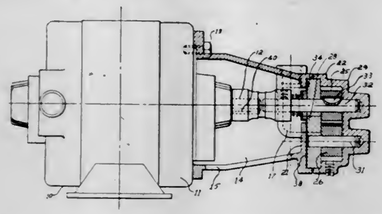
with the body portion substantially intermediate said wheels, said wheels each having an inwardly facing cam thereon extending substantially to said body, a tail pivotally mounted on said body portion, and means on said tail for engaging said cams to oscillate said tail on its pivot when said wheels are rotated.

2,382,538
PORTABLE ELECTRIC LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application January 14, 1943, Serial No. 472,323
8 Claims. (Cl. 240—11.4)



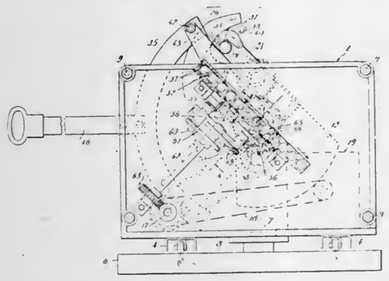
1. A portable electric lighting fixture comprising a light transmitting tube having an access opening in the side thereof, a cover member for said opening, closures for the ends of said tube, caps secured to said end closures and cooperating therewith to form chambers at the ends of said tube, a wiring conduit extending from end closure to end closure inside said tube and opening into said chambers, lampholders located in said chambers and sustained by said end closures and having lamp socket portions opening through said end closures into said tube, ballast members located in said chambers and sustained by said end closures, and runners extending longitudinally of said fixture and supporting said end caps for rotation about the longitudinal axis of said lamp enclosing tube.

2,382,539
PUMP
Francis E. Brady, Jr., Muncie, Ind.
Application September 8, 1941, Serial No. 410,031
4 Claims. (Cl. 103—126)



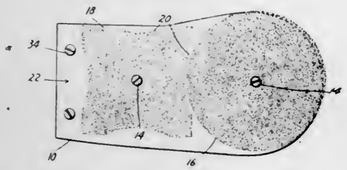
1. In combination with a motor having a frame at one end thereof to which fluid supply and discharge pipes are secured, said frame having fluid passages formed therein communicating respectively with said pipes, a detachable self-contained pump unit adapted to be driven by said motor comprising a rotary pump including intermeshing gears, a pump housing member having a recess therein forming a pump chamber for receiving said gears, said housing member also having a recess for locating and accurately defining the position of a side of said pump chamber, a housing wall adapted to be received in said recess to form said side of said chamber and complete the closure thereof, means for securing said housing wall directly to said housing member with said gears therebetween in predetermined operating relation thereto, means engageable with said frame for assembling said unit in operative position and drawing said unit tightly against the frame with said housing wall located in abutting contact with the frame, said wall having cooperating fluid passages arranged to register and establish communication with said fluid passages in said frame, and a detachable drive connection from said rotary pump to said motor adapted to be established upon assembly of said unit on said frame.

2,382,540
GRENADE THROWER
Cesar Bustamante, New York, N. Y., assignor to Elie Gut, New York, N. Y.
Application November 13, 1942, Serial No. 465,426
9 Claims. (Cl. 124—6)



1. A centrifugal gun comprising a continuously rotating rotor, means for feeding projectiles successively to the center of rotation of said rotor and in timed relation to the rotation thereof, mechanism operating in timed relation to the rotation of the rotor for transferring the successive projectiles to a position eccentric to the center of rotation of the rotor, said mechanism including means to grip the individual projectiles and hold them fixed therein during said transfer and means for releasing the projectiles.

2,382,541
DABBING BRUSH
Alvin P. Cadeau, Burlington, Ontario, Canada, assignor, by mesne assignments, to S. A. Felton & Son Company, Portland, Maine, a corporation of Maine
Application April 29, 1943, Serial No. 484,962
2 Claims. (Cl. 19—124)



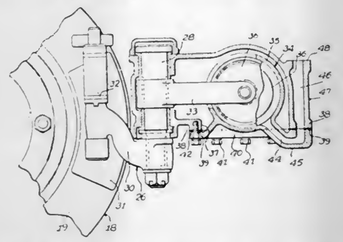
1. A dabbing brush, for a combing machine, comprising a head, a circular brush section thereon, and a removable, centrally-secured, auxiliary brush section on the head closely adjacent to the circular section and having its periphery provided with a plurality of segmental recesses whereby the auxiliary section may be adjusted to bring one or another segmental recess into close proximity to the circular section to prevent the auxiliary section from turning during use.

2,382,542
RELAXING BENCH
Lee E. Carlile, San Francisco, Calif.
Application January 15, 1944, Serial No. 518,463
4 Claims. (Cl. 5—62)



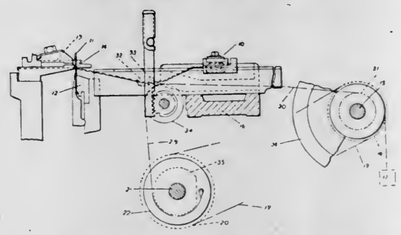
1. A tiltable couch comprising a table having a head and a foot, a base including opposite side rails extending beneath and longitudinally of said table, a first support for engaging the under side of said table adjacent one end thereof when the table is in a horizontal position, means hingedly supporting said first support at one end of said base, a second support for engaging the under side of said table adjacent the other end thereof when the table is in a horizontal position, means hingedly supporting said second support at the other end of said base, means for moving one of said supports between a table support position and a non-support position, a tilting member pivotally mounted on said base and engaged with an end of said table for moving said table between a first position in which said table is tilted with said head above the foot and a second position in which said table is tilted with said head below the foot, means for moving said tilting member including a lever mounted on each side rail of said base adjacent the head thereof, a link extending along each side of said side rails and directly connecting said lever to said tilting member whereby said member can be selectively manipulated, and a pin and slot connection between said tilting member and each link for rendering said moving means ineffective to move said table until said second support is released from engagement with said table.

2,382,543
BRAKE MECHANISM
Joseph H. Coombes, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 29, 1944, Serial No. 524,373
4 Claims. (Cl. 188—153)



1. In a brake mechanism, a non-rotary brake element, a closed housing support therefor, a brake lever pivotally mounted in said housing and having one arm thereof extending outside the housing for cooperation with said non-rotary brake element and another arm extending within the housing, a cylinder actuator within the housing for cooperation with said arm, an opening through the bottom of the housing through which the cylinder actuator may be removed, a seat around said opening and a cover integral with said cylinder actuator demountably secured to said seat, a duct leading from said seat through the wall of the housing to the top of said housing, and a duct having its end aligned with said first-named duct and leading through the cover and cylinder walls to the cylinder bore.

2,382,544
COTTON'S PATENT AND OTHER STRAIGHT BAR KNITTING MACHINE
William Arthur Cooper, Loughborough, England, assignor to William Cotton Limited, Loughborough, England
Application February 10, 1945, Serial No. 577,164
In Great Britain October 7, 1943
4 Claims. (Cl. 66—96)



1. In a Cotton's Patent or other straight bar knitting machine having take-up straps or equivalent flexible connecting means for attachment to a device for drawing the fabric away from the needles, a rotary member to which the straps are attached and which is rotatable in one direction to wind up the straps and to draw off the fabric and in the reverse direction to unwind the straps (e. g. so that they may be attached to the welt rod or the like), a second rotary member coupled to the first one, and flexible connections extending from said straps to the second rotary member and arranged to be wound onto the latter in said reverse rotation so as to withdraw the straps from the first member and to be unwound from it during the fabric take-up rotation of the first member; and spring coupling connecting the two rotary members together.

2,382,545
RESIN ACID LACTONE AND METHOD FOR ITS PRODUCTION
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 10, 1942, Serial No. 468,562
8 Claims. (Cl. 260—97)

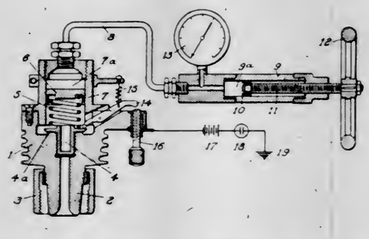
1. The process of producing a resin acid lactone which comprises reacting crystalline hydrorosin acids with a strong mineral acid, and recovering a resin acid lactone having a melting point of 98.5–100° C., a specific rotation $(a)_D$ of −11°, and an empirical formula of $C_{20}H_{32}O_2$, the hydrorosin acids having a melting point between about 200° C. and about 252° C.

2,382,546
ANESTHETIC SOLUTIONS
David Curtis, New York, N. Y.
No Drawing. Application November 3, 1941, Serial No. 417,712
12 Claims. (Cl. 167—52)

2. A composition of matter comprising a salt of an alkamine ester of amino benzoic acid and a substance selected from the group consisting of alkyl esters of amino benzoic acid and their

salts dissolved in a liquid selected from the group consisting of water, water-miscible polyhydroxy aliphatic alcohols and their water-miscible ether derivatives, and their mixtures with one another, the said substance being present in an amount greater than its normal solubility in the volume of liquid used and the said alkamine ester salt being present in an amount sufficient to render such amount of the said substance soluble in the volume of the liquid used.

2,382,547
MAXIMUM PRESSURE GAUGE
Kalman John De Juhasz, State College, Pa.
Application May 7, 1941, Serial No. 392,254
2 Claims. (Cl. 73—388)



1. A pressure gauge for measuring the extreme value of a fluctuating pressure comprising a body, a pressure-chamber arranged in said body, a pressure-responsive element arranged in said pressure-chamber exposed to said fluctuating pressure and exerting a pressure-force, a spring under load exerting a spring-force on said pressure-element in opposition to said fluctuating pressure, a hydraulic loading device exerting a regulable load on said spring, a gauge indicating said regulable load, and signaling means actuated by said pressure responsive element for indicating when the said fluctuating pressure-force and regulable spring-force are in equilibrium.

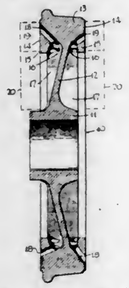
2,382,548
ESTERS AND METHOD OF PREPARING THE SAME
James D. D'Ianni, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 14, 1941, Serial No. 398,168
9 Claims. (Cl. 260—487)

1. A method of preparing dihalopropionic esters which comprises treating acrylonitrile concurrently with a halogen and an alcohol in an acidic medium.

2,382,549
ELECTROLYTIC SMOOTHING OF METALS
Roger W. Edmonson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Continuation of application Serial No. 360,637, October 10, 1940. This application November 26, 1943, Serial No. 511,837
1 Claim. (Cl. 204—140)

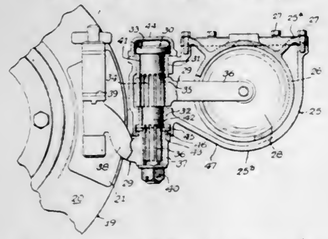
A rejuvenation process for an electrolytic smoothing bath consisting initially of hydrochloric acid and glycerine, which bath has been degenerated by use, which process consists in the adding of acetone to the bath not to exceed 10 per cent. by volume.

2,382,550
RAILWAY BRAKE
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 21, 1943, Serial No. 503,203
4 Claims. (Cl. 188—218)



1. A railcar wheel having a body portion and a rim portion, the rim portion having a radially inward extension forming with the body portion an annular radially inwardly facing pocket, the rim and its extension forming a widened braking face, and passages for the circulation of cooling air between said pocket and the braking face.

2,382,551
BRAKE MECHANISM
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 29, 1944, Serial No. 524,371
4 Claims. (Cl. 188—153)

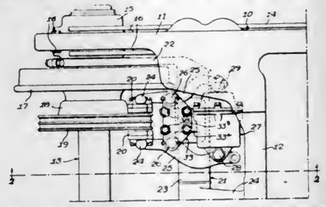


1. In a brake mechanism, a support housing, a brake cylinder within said housing, a brake lever pivotally mounted in spaced bearings in said housing, said lever comprising a pivot portion having a head engaging the end of one of said bearings, spaced portions engaging said spaced bearings, and intermediate and end portions, the intermediate portion having splined connection with an arm extending into said housing for cooperation with said cylinder and said end portion having splined connection with an arm extending outside said housing for cooperation with a brake shoe, and removable means holding said arm in engagement with the end of the other of said bearings.

2,382,552
BRAKE MECHANISM
Carolus L. Eksergian and Joseph H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,211
5 Claims. (Cl. 188—59)

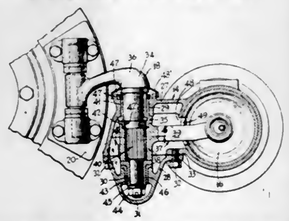
1. In a brake mechanism of the class having a rotor element having opposed braking faces and

a pair of stator elements arranged to engage the opposite faces of said rotor element to apply the brake, a support for said stator elements extending transversely adjacent the periphery of said rotor element including a bearing bracket for pivotally supporting a pair of brake levers in transversely spaced relation, one cooperating with each of said stator elements, each of said



levers having a hub portion and reduced pivot extensions from the opposite ends thereof for engagement with upper and lower bearings on said bracket, the bearing bracket being divided into separable top and bottom portions carrying, respectively, the top and bottom bearings and means removably securing said separable portions of the bearing bracket together.

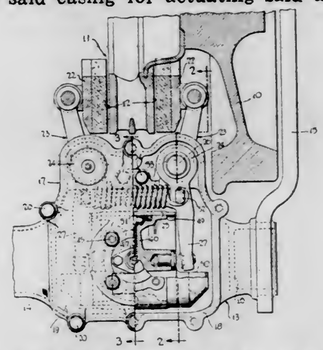
2,382,553
BRAKE MECHANISM
Carolus L. Eksergian and Paul W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1943, Serial No. 504,684
5 Claims. (Cl. 188—205)



1. A brake mechanism comprising a support for a non-rotatable brake member including a closed casing, said casing having a fixed bearing in one of two spaced upper and lower walls thereof, and a removable wall portion carrying another bearing on the other of said spaced wall portions, a brake-actuating lever pivoted in said bearings, said lever comprising two separable parts, one an arm portion, and the other a pivot portion and an integral arm portion extending therefrom outside the casing for cooperation with an associated non-rotatable brake member, the first-named arm portion being non-rotatably secured to the pivot portion between the bearings and extending into the casing into position for actuation by actuating means housed within the casing.

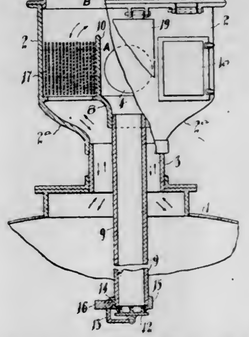
2,382,554
BRAKE MECHANISM
Carolus L. Eksergian and Paul W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 3, 1943, Serial No. 512,728
7 Claims. (Cl. 188—153)

1. A brake mechanism comprising a brake support formed in part at least by a closed casing, a brake shoe outside the casing a brake-actuating lever carrying said shoe and supported in a bearing in at least one of the spaced top and bottom walls of said casing and having an arm extending into said casing, a brake cylinder actuator within said casing for actuating said arm, said



casing being divided into at least two separable parts, one of said parts carrying the cylinder actuator and extending over said bearing to enclose and seal the same, and being removable as a unit from the other part.

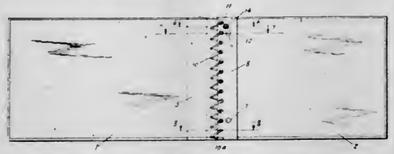
2,382,555
RELIEF VALVE STRUCTURE FOR STORAGE TANKS FOR VOLATILE LIQUIDS
Peter Mather Elliott, Toronto, Ontario, Canada, assignor to Oil Distribution Appliances Limited, Toronto, Ontario, Canada
Application August 11, 1943, Serial No. 498,238
5 Claims. (Cl. 220—85)



1. A relief valve structure for storage tanks for volatile liquids comprising a head having an opening in the bottom thereof communicating with the top of the tank; a settling chamber in said head having openings in the sides thereof communicating with the atmosphere and an opening in the bottom thereof; pressure sensitive valves in said openings in the sides permitting equalization of pressure between the atmosphere and the interior of the tank, the bottom of said chamber sloping downwardly below the said openings in the sides to the said opening in the bottom, whereby accumulations of foreign matter around the valves will drop to said bottom opening; a pipe extending downwardly from the opening in the bottom of the settling chamber to a point adjacent the bottom of the tank; and a passageway in said head communicating between the opening in the bottom of the head and the top of the tank and extending to and communicating with the settling

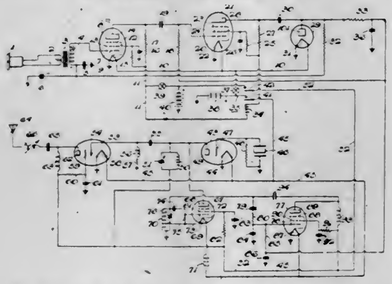
chamber adjacent the top thereof, whereby fumes will flow upward through said passageway and down through the settling chamber to one of the valves, and air will flow in a reverse direction from the other valve, depending on the relative pressure in the tank and in the atmosphere.

2,382,556
BINDER
Harry D. Falls, Cleveland, Ohio, assignor to Wm. Exline Inc., Cleveland, Ohio, a corporation
Application February 23, 1944, Serial No. 523,562
2 Claims. (Cl. 281—19)



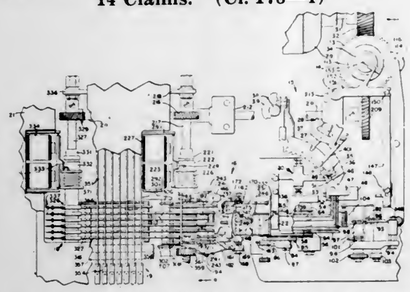
1. In a refill binder of the class described, in combination, a cover base member, a detachable holding member, detachably connected to said base member, a leaf refill section, said holding member and refill section having hinge openings formed therein, a spiral retainer member composed of a series of helical loops threaded through the openings of the holding member and refill section for connecting said parts together, the said openings being relatively large in proportion to the diameter of the material of the spiral retainer, an end of the spiral retainer being fixedly attached to the holding member, and the said holding member having its opening at the opposite end of the said fixed portion of the spiral retainer provided with an eyelet relatively snugly fitting the retainer, whereby undue shifting movement of the refill section and holding member in relation to the retainer is prevented.

2,382,557
OBSTRUCTION WARNING DEVICE
Elmer E. Frazier, Halethorpe, Md., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 1, 1943, Serial No. 489,285
8 Claims. (Cl. 250—17)



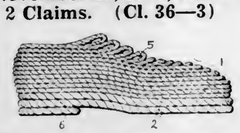
1. In an obstruction warning device, the combination of acoustic responsive means, means for transmitting radio frequency energy, means for modulating the output of said radio frequency transmitting means, means responsive to the output of said acoustic responsive means for energizing said transmitting means when the acoustic input to said acoustic responsive means exceeds a predetermined value, and means for varying the modulating frequency impressed by said modulating means in response to variations in the envelope of said acoustic input above said predetermined value.

2,382,558
PRINTING TELEGRAPH APPARATUS
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1941, Serial No. 411,665
14 Claims. (Cl. 178—4)



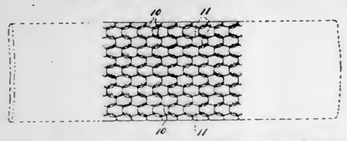
1. A telegraph apparatus including a plurality of switching function levers, a plurality of coded elements adapted to be conditioned to enable the selective operation of said function levers, and all mechanical means normally dissociated from said coded elements and effective under the control of signal indicia on a control form to control the conditioning of said coded elements and effectuate the operation of a selected function lever.

2,382,559
FOOTWEAR AND METHOD OF ITS MANUFACTURE
David D. Goldstein, New York, N. Y.
Application November 16, 1943, Serial No. 510,469
2 Claims. (Cl. 36—3)



1. A method of making shoes consisting in preparing relatively thick and relatively thin braids of a fibrous material; winding the thin braids over the upper portion of a shoe last; winding the thick braid over the sole portion of the last; temporarily fastening the braids to the last; permanently fastening together the adjacent braids; and removing the product from the last.

2,382,560
METHOD OF PRODUCING A FILTER MEDIUM
Alfred M. Goodloe, Montclair, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application October 4, 1941, Serial No. 413,602
1 Claim. (Cl. 140—71)



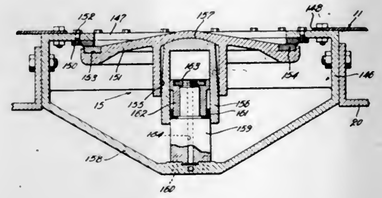
A method of producing a filter medium from a tubular knit metallic mesh body comprising first flattening the body to produce a two-ply strip, the plies of which are contiguously superposed, then passing the flat two-ply strip through the nip of a pair of corrugating rolls adapted to form

corrugations across the width of said strip, and finally passing the corrugated strip through a flattened tubular jig having a passage tapering in width from its receiving end to its discharge end and of a height but slightly in excess of the overall thickness of the corrugated two-ply strip, the receiving end of said jig passage being somewhat in excess of the initial width of said corrugate strip and its discharge end being substantially less than said initial width of the corrugate strip, whereby the mesh strip is transversely contracted to laterally displace hump bends in the metallic strands of one ply of the corrugate strip relative to contiguous hump bends in the metallic strand of the other ply of said corrugate strip, so as to cross and mutually interlock said respective hump bends in staggered non-parallel nesting relation.

2,382,561
SELF-OPENING, SOUND-ABSORBING PLASTER
Thurlow G. Gregory, Shaker Heights, Ohio
No Drawing. Application May 19, 1941, Serial No. 394,141
11 Claims. (Cl. 106—88)

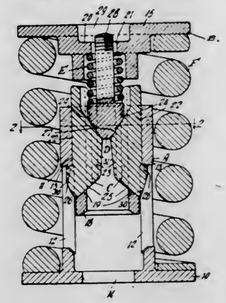
1. A dry plaster mix which after being plasticized with water and agitated will set into a hard, porous, sound-absorbing mass said mix comprising a binder from the group consisting of partially calcined gypsum, plaster of Paris and gypsum stucco, filler material, soap bark and a surface action de-foaming substance consisting of sodium lauryl sulfate.

2,382,562
DRAIN VALVE FOR WASHING MACHINES AND THE LIKE
Leo M. Harvey, La Canada, Calif.
Application September 16, 1941, Serial No. 411,051
6 Claims. (Cl. 137—21)



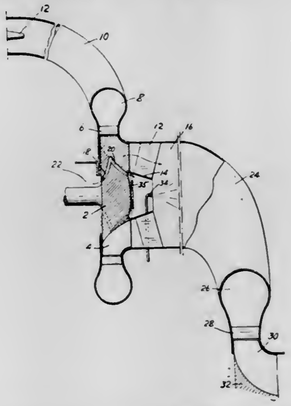
3. Valve means for controlling a fluid opening including a seat around the opening, a closure for moving into and out of cooperation with the seat, the closure having an elongate socket provided with a concave end wall and a side wall, and means for guiding and operating the closure comprising a stationary piston, a cylinder movable on the piston to be guided thereby and entering said socket to guide and operate the closure, the cylinder having a convex end face cooperating with said end wall of the socket to support the closure for tilting movement on the cylinder, the side wall of the socket and the side surface of the cylinder diverging toward the closure to provide freedom of tilting movement of the closure on the cylinder so that the closure may correctly conform to the seat.

2,382,563
FRICTION SHOCK ABSORBER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 24, 1943, Serial No. 515,517
2 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with an upper follower; of a lower friction casing; a depending hollow tubular post integral with said follower, said post being open at opposite sides between the top and bottom ends thereof, said post extending into said casing; a pair of friction shoes mounted within the side openings of said post, said shoes having wedging engagement at their lower ends with said post, and sliding engagement with the interior walls of the casing; a central wedge block having spreading engagement with the shoes at the upper ends thereof; a spring reacting between the follower and said wedge yieldingly forcing the latter against the shoes; and a second spring yieldingly opposing relative movement of the follower and casing toward each other.

2,382,564
TURBINE SYSTEM
John S. Haverstick, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey
Application September 16, 1943, Serial No. 502,600
4 Claims. (Cl. 60—41)



1. In combination, a turbine having a rotor provided with buckets, means for directing hot gases to the turbine buckets for driving the rotor, passages in the rotor for gas having a temperature lower than said hot gases and capable of supporting combustion, said cooler gas becoming eventually mixed with said hot driving gases as

the latter flow from the buckets, and means for burning auxiliary fuel in the cooler gas discharged from said passages prior to substantial admixture thereof with said driving gases.

2,382,565

RECOVERY OF MATERIAL FROM ROASTER GASES

Carl W. J. Hedberg, Bound Brook, N. J., and Harry L. Richardson, St. Louis, Mo., assignors to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 1, 1943, Serial No. 508,622

7 Claims. (Cl. 75—9)

1. The method of recovering suspended materials from gases from the flash roasting of sulphide ores which comprises flash roasting the ores in the presence of a metal chloride which dissociates below the highest temperature of the roasting operation, and subjecting the gases from the roasting operation to electrical precipitation.

7. The method of recovering suspended materials from gases from the flash roasting of zinc sulphide ores which comprises supplying sodium chloride to the roasting operation in an amount of about 2.5 pounds per ton of ore, and subjecting the gases from the roasting operation to electrical precipitation.

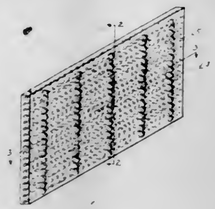
2,382,566

WINDOW GLASS

William F. Heckman, Newport, Ky.

Application December 10, 1941, Serial No. 422,409

11 Claims. (Cl. 88—60)



1. In a closure for window openings and the like, a louvre screen substantially of the thinness of the wire used in insect screens comprising thin, metallic louvres of greater width than thickness extending horizontally in the screen, and spaced apart a distance comparable with the spacing of the wires in insect screens, and wire tie members extending transversely to the louvres and capable of supporting the louvres in parallel spaced position, the said louvres being tilted in said screen at an angle other than a right angle to the plane of said screen, and being so proportioned in width, spacing and angularity that normal vision through the screen in a direction substantially perpendicular to its plane is preserved, while light striking said screen from one direction at an angle to said perpendicular to the plane of the screen is cut off by the said louvres, in combination with means providing on each side of said screening a transparent protective glassy surface, substantially co-extensive with said screen, said last mentioned means acting to maintain said louvre screen in its own plane without the necessity of separate framing, and to preserve it from mechanical damage and the collection of dust and dirt.

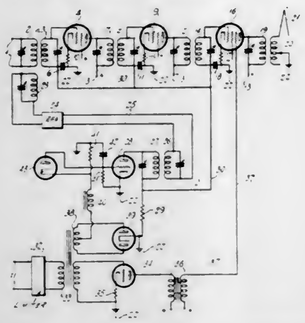
2,382,567

SIGNALING SYSTEM

"R." Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 7, 1943, Serial No. 489,915

21 Claims. (Cl. 250—17)



11. In a signaling system in combination, a source of carrier wave energy, a first means for amplifying and modulating said carrier wave energy from zero to 100%, a ground wave radiator connected to said first means, a second means for separately amplifying said carrier wave energy and modulating same, and for expanding the power output thereof when the applied modulation level exceeds a predetermined level value, and a sky wave radiator connected to said second means.

2,382,568

MANUFACTURE OF MOLDED PRODUCTS FROM VEGETABLE STARTING MATERIAL

Ali Karim, Calcutta, British India

No Drawing. Application March 17, 1943, Serial No. 479,491. In British India March 20, 1942

13 Claims. (Cl. 18—47.5)

12. The process for producing molded articles which comprises boiling vegetable material of the species *Eichhornia crassipes* in an aqueous medium until it has been converted into a water-containing, soft pulp containing nitrogenous and inorganic matters of the original material, molding the pulp, under pressure, and drying the molded product while it is still under pressure.

2,382,569

RUBBER CUSHIONING UNIT AND METHOD OF MAKING SAME

Karl B. Kilborn, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

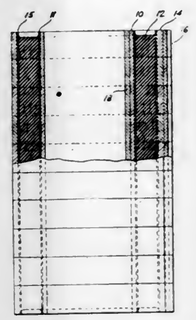
Application November 28, 1941, Serial No. 420,845

11 Claims. (Cl. 154—2)

1. A rubber cushioning unit including a relatively long inner metal tube, a bonding layer on the tube, a body of rubber surrounding the bonding layer on the inner metal tube for a considerable portion of its length and vulcanized thereto, a bonding layer over the outer periphery of the rubber body and an outer metal member having a length more than twice its diameter surrounding the body of rubber and vulcanized thereto, said outer metal member being divided substantially circumferentially at a plurality of longitudinally spaced points but with the divided portions thereof being in substantially end to end abutting relation, and with

the rubber body extending radially outwardly between any clearances in the divided portions of the outer metal member.

11. That method of making a rubber cushioning unit having concentric inner and outer members and an interposed body of rubber which method includes the steps of covering an inner metal member with a body of rubber between



the ends thereof, expanding a helically coiled outer metal member and slipping the expanded member over the rubber body, releasing the expanding of the outer metal member to allow it to snap back around the rubber body, and vulcanizing the rubber body by applying heat and pressure thereto and to bond the rubber to the metal members.

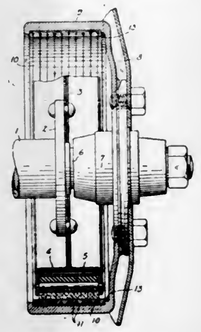
2,382,570

FRICTIONAL CLUTCHING DEVICE

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 6, 1942, Serial No. 433,530

5 Claims. (Cl. 188—71)



1. A frictional clutching device comprising two relatively rotatable coaxial clutch elements, one of said clutch elements comprising a shoe and the other of said clutch elements comprising an annular backing member opposed to said shoe and a shoe engaging facing member attached to said backing member and free to expand and contract independently of said backing member, said facing member being in the form of a strip bent to provide a plurality of closely adjacent convolutions, one end of said strip being attached to said backing member, the side faces of said strip and the face thereof engaged with the backing member being composed of a metal of higher heat conductivity than the body of the strip.

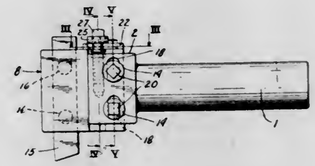
2,382,571

ADJUSTABLE SUPPORTING TOOL

Oskar Kylin, Cleveland Heights, Ohio, assignor to Bardons and Oliver, Inc., Cleveland, Ohio, a corporation of Ohio

Application January 1, 1943, Serial No. 470,969

1 Claim. (Cl. 77—58)



A boring bar comprising a shank and a head fixed thereto, the head having three plane bearing surfaces, two of which lie in parallel planes generally normal to the axis of the shank, and the third of which lies between these planes in a plane oblique thereto, a block having three cooperating plane bearing surfaces slidably engaging the respective bearing surfaces of the head, the walls of said head and block members being relieved between said parallel and said oblique bearing surfaces, tool clamping means carried by the block, clamping bolts extending through the block and head in a plane substantially normal to the axis of the shank and between the traces of the intersection of the three planes, and adjusting means for adjusting the head and block relatively in the direction of the traces of the three planes.

2,382,572

MANUFACTURE OF LEVULINIC ACID

Walter G. Meyer, Warren, Pa., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

No Drawing. Application June 24, 1942, Serial No. 448,303

6 Claims. (Cl. 260—528)

3. In the process of producing levulinic acid in which a dextrose-containing carbohydrate and an acid are reacted to produce a mixture of humin and levulinic acid which are subsequently separated by the successive steps of filtration and distillation respectively to recover the levulinic acid and produce a fluid tarry residue containing residual quantities of levulinic acid and humin, the improvement which comprises forming a water slurry of said tarry residue to precipitate solid humin from the resulting aqueous solution of levulinic acid, filtering out the humin, and subjecting the filtrate to distillation to recover the levulinic acid contained therein.

2,382,573

CONTAINER

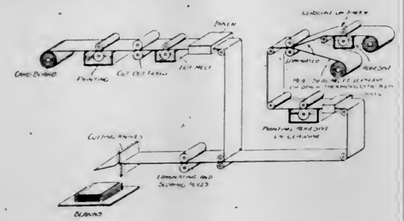
George Arlington Moore, New York, N. Y.

Application March 3, 1943, Serial No. 477,821

5 Claims. (Cl. 93—36)

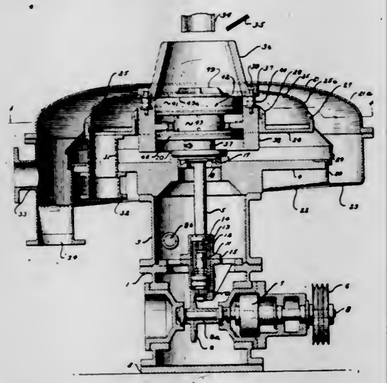
1. A method of making tubular formations to be converted into hermetically sealed packages after filling with a food commodity or the like, which comprises the steps of applying a spot-printed design of adhesive to one surface of a fibrous web of carton board material, providing a laminated sheet of a heat-sealable material and a fibrous reinforcing material, said laminated sheet being of a width greater than said fibrous board web, applying a laminating adhesive to the

fibrous surface of said laminated sheet along an intermediate portion and marginally along predetermined portions thereof and laminating said web and sheet together leaving exposed the marginal applications of said adhesive on said laminated sheet, providing said resulting combined layers with a series of spaced apart score lines,



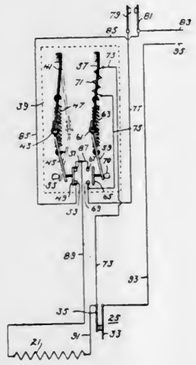
cutting portions of said combined layers at predetermined points into blanks, folding each blank along a median line with the heat-sealable surface in face-to-face relationship, and heat-sealing together overlying marginal extensions of said laminated sheet to provide said tubular formation.

2,382,574
CENTRIFUGAL
George M. Norman, Fairville, Pa., and Joseph Stuart, II, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application October 28, 1941, Serial No. 416,850
5 Claims. (Cl. 210—73)



1. In a machine for centrifuging material to separate liquid from solids, a spool-like member having an upper flange and a lower flange, and rigidly secured to a rotatable driving member; a cylindrical sleeve provided with a piston flange, said sleeve engaging the flanges of the spool, and the piston flange of the said sleeve engaging the spool between the spool flanges and spaced from said flanges thereby forming a sealed piston chamber for said piston flange; frictional engaging means between the spool-like member and the cylindrical sleeve to permit reciprocative vertical movement of said sleeve as actuated by its piston flange and to provide rotation of the sleeve with said spool-like member; a bowl for the material having an increased diameter at its bottom and rigidly secured to the cylindrical sleeve in spaced relationship thereto to provide discharge openings for said material, said bowl having its bottom formed by the upper flange of the spool-like member; a plurality of radially disposed shallow grooves provided at the periphery of the upper surface of the upper flange of the spool-like member; means for supplying fluid medium to the upper portion of the piston chamber to actuate the piston flange to a position adjacent the lower flange of the spool-like member whereby the bowl having its bottom formed by the upper flange of the spool-like member retains the solids and the liquid is discharged from the grooves in the upper flange through the discharge openings, and means for exhausting said fluid medium from the upper portion of the piston chamber; and means for supplying fluid medium to the lower portion of the piston chamber to actuate the piston flange to a position adjacent the upper flange of the spool-like member whereby the bowl having its bottom formed by the upper flange of the spool-like member releases the solids and the solids are discharged through the discharge openings, and means for exhausting said fluid medium from the lower portion of the piston chamber.

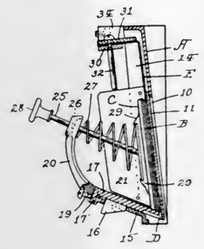
2,382,575
WATER HEATER CONTROL SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,352
6 Claims. (Cl. 219—39)



1. A control system for an electric heater of a domestic hot water tank subject to withdrawals of hot water during a twenty-four hour day, comprising a lower thermally-actuable heater control switch located in heat-receiving relation on the tank at the lower end portion thereof and adapted to be in closed position when subject to cold water in the tank and to be in open position when subject to hot water in the tank, a time-controlled switch adapted to be in closed position during off-peak periods only, a thermal retarder heater control switch unit adapted to be mounted in heat-receiving relation on a tank intermediate the ends thereof and including a first thermal switch adapted to be in closed position when subject to cold water in the tank and to be in open position when subject to hot water in the tank, a second thermal switch adapted to be in open position when subject to hot water in the tank and to be in closed position when heated to an appreciably higher temperature, means for heating said second thermal switch to said higher temperature and electric connections between

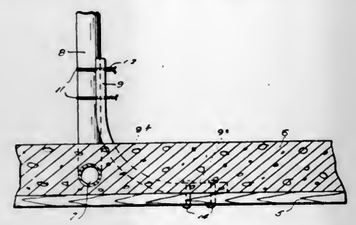
said switches and said heater to cause immediate energization of said heater, irrespective of the position of said time-controlled switch in case said thermal retarder is subject to cold water in the tank, said energization continuing until said thermal retarder is subject to hot water.

2,382,576
DISPENSING UNIT
Charles F. Pease, Long Beach, Calif.
Application November 7, 1942, Serial No. 464,838
4 Claims. (Cl. 312—56)



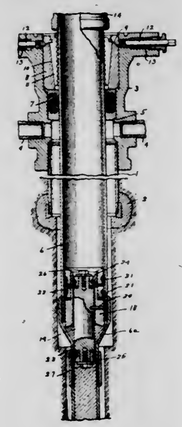
1. A dispensing unit, comprising, a face frame having an upwardly extending sight opening through which an article about to be dispensed is displayed, upwardly extending side guards at the sides of said sight opening and a support extending upwardly and rearwardly from near the lower portion of said frame and spaced below the lower ends of said guards, a transparent plate in said sight opening, a forwardly and downwardly inclined gate for supporting a stack of cards to be dispensed while standing on edge with the face of the lowermost card pressed against said plate, said gate being slidably disposed below the lower ends of said side guards upon said support with its lower inner end spaced back of the inner surface of said transparent plate to provide a gate opening for the downward discharge of the lowermost card of said stack, a carriage reciprocable downwardly against spring tension on the back of said face frame, an ejector blade depending from said carriage, substantially corresponding with the thickness of the cards, normally poised above the innermost card of the stack and cooperating with said gate opening to discharge the lowermost card from the stack downwardly through the gate opening, and actuating means by which the carriage and said ejector are reciprocated.

2,382,577
CONDUIT OR PIPE SUPPORT
Lafayette H. Peevey, Alameda, Calif.
Application April 3, 1944, Serial No. 529,285
1 Claim. (Cl. 72—122)



In combination with a pipe including a horizontal portion disposed to be embedded in a concrete floor and a vertical portion disposed to project above the floor, a form floor member upon which the concrete floor is to be poured, and means for holding and bracing said pipe in place while the concrete floor is being poured upon said floor form member and until said floor hardens, said means comprising a single length of channel iron bent to provide similar end portions disposed at right angles to each other, one end portion projecting above the floor and disposed against a side of the vertical pipe portion so as to partially embrace the latter, the other end portion being secured to and upon the floor form member, each of said end portions having apertures in the free ends thereof, tie wires passing around the vertical portion of the pipe and through the apertures of said one end portion, and driven fasteners passing through the form member and the apertures of said other end portion.

2,382,578
PRODUCING EQUIPMENT FOR WELLS
Arthur J. Penick, Houston, Tex.
Application June 8, 1943, Serial No. 490,093
3 Claims. (Cl. 166—1)

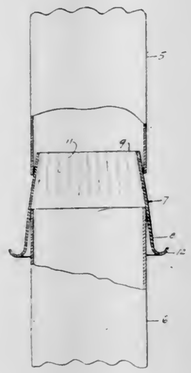


1. In producing equipment for wells, a pipe in the well whose lower portion is reduced in diameter forming an inside shoulder, a cementing plug shaped to fit into said pipe and comprising an outer body having a seal therearound of a diameter to fit into the upper portion of the pipe and to land on said shoulder, an inner core or plug in the outer body and having a seal therearound of substantially the same diameter as the inside diameter of the reduced lower portion of the pipe said inner plug being adapted to move on downwardly through the reduced pipe, as a plunger, to force cement through said pipe.

2,382,579
CONDENSATION DRAIN
William Queirolo, San Francisco, Calif.
Application February 5, 1944, Serial No. 521,187
2 Claims. (Cl. 126—307)

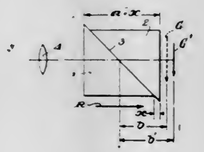
1. In combination, a first pipe adapted to lead from a wet gas source, a second pipe extending beyond said first pipe, and means connecting said pipes and comprising a frustum of a cone, one end being of larger diameter than the first pipe and positioned over an end of the first pipe

and extending into an end of the second pipe, the side wall of said frustrum being corrugated to



provide a plurality of liquid passages from said second pipe to the atmosphere.

2,382,580
OPTICAL ADJUSTMENT
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application February 10, 1942, Serial No. 430,204
4 Claims. (Cl. 88—1)



1. In the art of optical systems of the type having a focusing lens and a light divider comprising front and rear prisms with a partial reflecting surface therebetween, part of the light being transmitted through the reflecting surface and thence through the rear prism to one focal plane and part of the light being reflected by said surface laterally through the front prism to a second focal plane, the method of manufacture which comprises cementing the prisms together in approximately correct relationship, simultaneously exposing two films in said planes respectively with light transmitted through said prisms, developing the films and comparing the developed records to determine the difference between the two records in size and sharpness and, while the cement between the two prisms is sufficiently soft to permit them to be shifted relatively to each other, shifting one prism relatively to the other along their abutting faces an amount corresponding approximately to said difference so as to vary the length of the glass path of the transmitted light without varying the length of the path of the reflected light, whereby images of substantially the same size may be formed substantially in said planes respectively.

2,382,581
SILICA CHROMIUM OXIDE CATALYTIC MATERIALS
Robert F. Ruthruff, Chicago, Ill., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 28, 1940, Serial No. 337,627
3 Claims. (Cl. 252—250)

1. A method of preparing a silica-chromium oxide catalyst suitable for the dehydrogenation of hydrocarbons which comprises hydrolyzing ethyl ortho-silicate with a water solution of chromium trioxide so as to produce on drying in the presence of said solution silica impregnated with chromium trioxide and converting the chromium trioxide into chromium sesquioxide.

2,382,582
HYDROCARBON CONVERSION WITH SILICA CHROMIUM OXIDE CATALYSTS
Robert F. Ruthruff, Chicago, Ill., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application May 28, 1940, Serial No. 337,627. Divided and this application July 29, 1941, Serial No. 404,511
6 Claims. (Cl. 196—50)

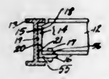
1. A method of dehydrogenating hydrocarbons which comprises contacting vaporized hydrocarbons at elevated temperatures with a catalyst prepared by a method including the steps of hydrolyzing ethyl ortho-silicate in the presence of an oxide of chromium.

2,382,583
STRUCTURAL SECTION FOR FLEXIBLE WELDED CONNECTIONS
Emanuel Scheyer, New York, N. Y.
Application September 16, 1943, Serial No. 502,571
4 Claims. (Cl. 189—41)



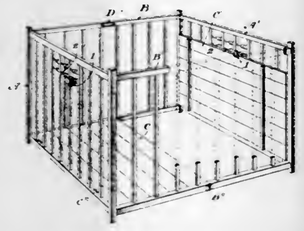
4. As an article of manufacture, a structural section substantially T-shaped in cross section, the head of the T having one of its surfaces depressed along a line substantially adjacent the stem, materially weakening in bending along said line that portion of the head to one side of the stem which contains said line, the surface of said head portion on its side from which the stem projects extending at right angles to the adjacent surface of the stem, said latter two surfaces continuing plane clear to their line of intersection, except at said line of depression, when the surface of said head portion from which the stem extends, is the one depressed along said line.

2,382,584
FLEXIBLE WELDED STRUCTURAL CONNECTION
Emanuel Scheyer, New York, N. Y.
Application April 12, 1944, Serial No. 530,627
16 Claims. (Cl. 189—36)



1. A welded shear connection between two structural members, one being a substantially horizontal beam with substantially vertical web, said beam being subject to bending, the other member having a substantially vertical portion to which the beam is connected, said connection comprising a substantially vertically extending piece between the beam and said vertical portion, a welding between the piece and each of said members, the welding between the piece and the beam having a substantial vertical space between it and the welding of the piece to said vertical portion, the welding between the piece and the beam coming at the upper portion of the beam and the welding between the piece and said vertical portion being opposite the lower portion of the beam, said latter welding extending a substantial distance above the bottom flange of the beam, said piece being sufficiently flexible between weldings to permit it to bend readily, permitting substantially the normal deformation of the beam when subject to bending, largely preventing thereby stress in the weldings due to said deformation.

2,382,585
LATCH DEVICE FOR FLOORS OF BABY YARDS
Charles J. Schiemer, Lancaster, Pa., assignor to Benner, Inc., Mountville, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,251
6 Claims. (Cl. 5—99)

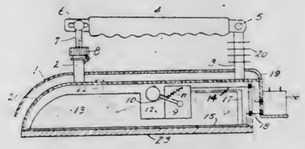


5. In a collapsible baby pen, the combination with a side wall having an opening formed by spaced slats and a floor section hinged adjacent the lower edge of said wall and having its free edge adapted to be swung upwardly toward the wall, of a pivoted floor latch freely suspended from said side wall and swingable in said opening in a plane normal to the side wall, said latch having a portion lying in the path of movement of the free edge of said floor section and adapted to be engaged thereby to be swung automatically into holding engagement with the free edge of the floor section.

2,382,586
METAL HALIDE CATALYSTS
Ernest Solomon, Nutley, Herbert J. Passino, Jersey City, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 30, 1941, Serial No. 413,038
3 Claims. (Cl. 252—217.3)

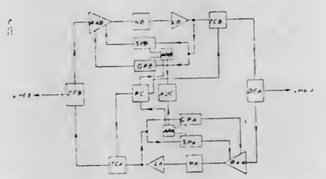
1. Catalytic material for promoting hydrocarbon isomerization comprising a non-gaseous catalytic metal halide in combination with base material comprising a plurality of preformed firm granules each consisting essentially of at least 75% of finely divided carbon black intimately mixed with a minor proportion of a finely divided bentonite binder.

2,382,587
ELECTRIC IRON
Albert G. Thomas, Lynchburg, Va.
Application June 12, 1942, Serial No. 446,685
9 Claims. (Cl. 219—25)



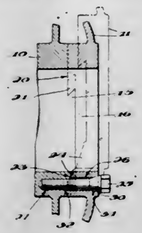
9. An electric iron comprising, an ironing element, a heating element therefor, a handle, circuit means for supplying current to said heating element, a pair of switch contacts in said circuit, means biased to cause said contacts to be normally open while the iron is at rest, inertia means for momentarily overcoming the biased means for causing the contacts to close in response to normal ironing movement of the iron, and time delay means operative to delay the opening of the switch contacts by the biased means for an appreciable period of time after ironing movement ceases.

2,382,588
GAIN CONTROL CIRCUITS FOR CARRIER SYSTEMS
Alfred Marcus Thornton and Wilfred Frank Baly, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application May 20, 1943, Serial No. 487,732
In Great Britain July 17, 1942
9 Claims. (Cl. 178—44)



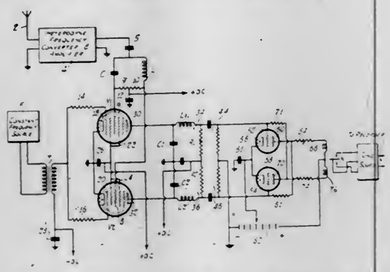
1. A multi-channel carrier current transmission system provided with at least one two-way repeater, including means for transmitting from each end of the system at least one pilot current to said repeater, means at said repeater controlled by said pilot current for adjusting the gain thereof in such manner that for each direction separately the pilot current levels at the corresponding repeater output are brought to predetermined values, means for blocking the transmission paths during said adjustment, and means for unblocking the corresponding transmission path when the adjustment for the direction concerned has been completed, so as to allow the pilot currents to be transmitted to the next repeater, said blocking means including an attenuating network comprising a substantially balanced Wheatstone bridge network, the input and output terminals of which comprise, respectively, the two pairs of diagonally opposite corners of the bridge and located in the output sides of said amplifiers, so that they can be blocked by the introduction therein of a large attenuation, and including a transmission cut-off relay having contacts connected so as to insert said bridge network in the circuit when said relay is operated, and to cut out said network when said relay is released, whereby said relay acts as said blocking and unblocking means.

2,382,589
WHEEL ASSEMBLY
Italo Raymond Trevisan, Newark, N. J.
Application December 21, 1943, Serial No. 515,138
5 Claims. (Cl. 301—9)



1. A wheel assembly comprising a hub member, a wheel member separable from said hub member, interlocking dovetail elements on said members, and an axially extending tongue on one of said members having dovetail portions cooperable with corresponding portions on the other of said members, including said tongue, for drawing said assembly into interlocked relation.

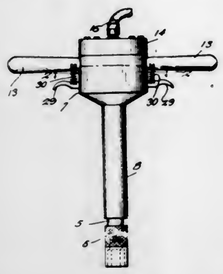
2,382,590
FREQUENCY MODULATION RECEIVER
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 21, 1942, Serial No. 455,567
27 Claims. (Cl. 250—8)



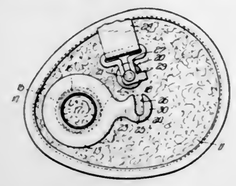
15. In a signal modulated carrier wave receiver, a circuit excited by the modulated carrier wave for producing current the phase of which rotates and the direction of rotation of which represents the carrier wave modulations and a combined phase rotation detector and signal limiter coupled to said circuit.

2,382,591
COMPRESSED AIR OPERATED ROTARY TOOL
Wallace H. Warren, Gering, Nebr.
Application December 27, 1944, Serial No. 569,970
3 Claims. (Cl. 121—34)

1. A compressed air-operated rotary tool comprising a reversible rotary compressed air-operated motor, said motor comprising a vertical cylinder having handles projecting from opposite sides thereof, a rotary piston in said cylinder having a rigid depending axial shank, normally lowered vertically slidable valves at opposite sides of said cylinder for controlling admission and exhaust of air to and from the same, said cylinder and valves having coacting inlet and exhaust passages and ports whereby raising of one valve will effect driving of the piston in one direction and raising of the other valve will effect driving of the piston in the opposite direction, finger-grips projecting laterally from said valves beneath the respective handles and operable by fingers of the hands gripping said handles to selectively raise the valves, and a work-driving member on the lower end of said shank.

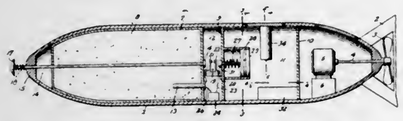


2,382,592
RESPIRATOR LOCKING MEANS
Willis Z. Whipple, Chicago, Ill., assignor to Chicago Eye Shield Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1943, Serial No. 515,321
4 Claims. (Cl. 128—146)



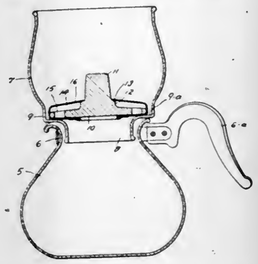
1. In an industrial respirator, the combination comprising a face piece with gripping means thereon, a removable filter box with spaced apart walls having receiving means on one of said walls connected to said gripping means, said gripping means including a link removably connected to a projection on a wall of said box, and a locking member securing said link to said projection and holding said box in fixed immovable position on said face during use of said respirator.

2,382,593
MARINE TORPEDO
Frank Joseph Wires, New Orleans, La.
Application August 28, 1943, Serial No. 500,396
4 Claims. (Cl. 102—17)



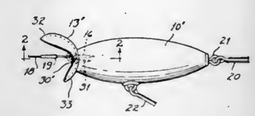
1. In a marine torpedo, a hollow shell forming a body, an explosive cartridge in said shell, a detonator in said cartridge for exploding the same, a chamber in said shell, means to admit water into said chamber, means in said chamber for mixing with said water to form gas, and means to ignite the detonator operative by gas pressure in said chamber.

2,382,594
COFFEE MAKER AND FILTER THEREFOR
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application July 18, 1942, Serial No. 451,430
9 Claims. (Cl. 210—162)



1. In a filter for coffee makers, the combination of a drainer plate having apertures extending therethrough, a plurality of ribs extending upwardly from the surface of said plate and located between said apertures, and a strainer member supported above and spaced from said apertures by said ribs and extending downwardly over the peripheral edge of and under said drainer plate.

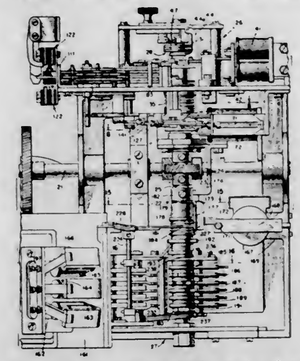
2,382,595
FISH LURE
Conrad Wood, El Dorado, Ark., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Original application August 13, 1942, Serial No. 454,735. Divided and this application June 17, 1943, Serial No. 491,244
2 Claims. (Cl. 43—46)



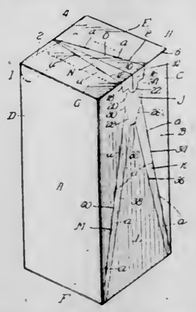
1. An artificial bait including a generally elliptical body portion, a separately formed hood constituting a forwardly disposed mouth portion for said body portion, said mouth portion being secured to the center portion of the more forwardly disposed portion of said body and comprising a bill portion extending upwardly and outwardly from the uppermost portion of the forward end of said body portion and a lower jaw portion extending downwardly and outwardly from said body portion, said bill and jaw portions being inwardly and laterally concaved.

2,382,596
MECHANICAL EXTENSOR
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 23, 1943, Serial No. 495,857
10 Claims. (Cl. 178—71)

1. In a start-stop to multiplex signal repeater, a series of sets of code signal storage elements, a clutch coupling for controlling the application of power to establish a signal setting onto a first set of said storage elements under the supervision of start-stop signals, means for effecting a code signal transfer from said first set of storage elements to a succeeding one of said sets, a further clutch coupling, and apparatus under the supervision of a multiplex distributor for enabling said further clutch coupling to effect a code signal transfer from an intermediate set of said series of sets to an ultimate set of said series.



2,382,597
SHIPPING CONTAINER AND DISPENSER FOR SODA STRAWS OR THE LIKE
Walter E. Amberg, Beverly Shores, Ind., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1943, Serial No. 495,304
4 Claims. (Cl. 229—7)

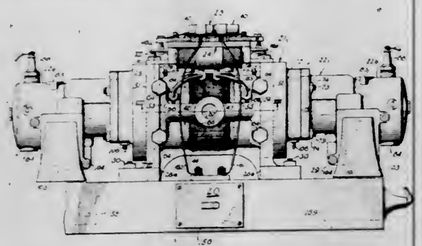


1. A combined shipping container and dispenser adapted for shipping and dispensing articles such as soda straws and the like, comprising a carton, a predetermined area in a side wall of said carton adapted to form a dispensing opening when said wall area is removed, said wall area extending downwardly from the top of said container a sufficient distance that the article may be grasped intermediate the ends thereof, and means comprising a plurality of panels in an end closure of said carton and in a side wall containing said removable wall area, defined in part by hinge lines extending from opposite sides of said removabble wall area whereby when said wall area is removed and pressure is applied laterally toward the sides of said opening the said wall panels will open obliquely and outwardly with respect to the positions they normally occupy and said opening will be distorted obliquely and outwardly.

2,382,598
COMPRESSOR
Hilmar A. Andresen, Chicago, Ill., assignor of one-half to Melville Keim, Chicago, Ill.
Application September 25, 1941, Serial No. 412,243
9 Claims. (Cl. 230—56)

1. A compressor construction comprising a cylinder having inlet and exhaust ports, a piston in

said cylinder arranged to open and close said ports as it reciprocates, an internal combustion engine at each end of said cylinder, a piston for each engine, a piston rod rigidly connecting each



of said engine pistons with said first piston for free co-movement, the stroke of said pistons being controlled only by the pressures of compression and combustion in said engines.

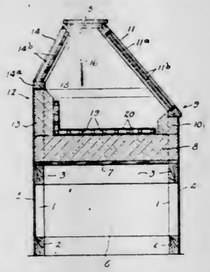
2,382,599

REFRIGERATED DISPLAY CASE

William Wallace Blair, Lakewood, Ohio

Continuation of application Serial No. 455,307, August 19, 1942. This application July 20, 1944, Serial No. 545,827

12 Claims. (Cl. 62—89.5)



1. In a refrigerated display case, the combination of a wall structure and refrigerating means defining an enclosed chamber providing a display space suitable for products to be displayed therein and dispensed therefrom, the refrigerating means being chiefly disposed in the lower part of the said chamber and serving to at least partially bound the display space thereof and said wall structure comprising a heat insulating bottom chamber wall, a front chamber wall rising from said bottom wall and having a transparent section, a barrier wall extending substantially from one end of the case to the opposite end thereof and having its bottom boundary above the bottom of the display space, and a rear wall having a section extending upward from the rear part of the bottom wall and having a movable door section controlling an opening which as an entirety is disposed to the rear of said barrier wall and at least as high approximately as the lower boundary of said barrier wall, the refrigerating means, the transparent section of the front chamber wall and the barrier wall being disposed in such relation to each other as to render substantially the entire bottom of the chamber visible through said transparent section, whereby when the door is open, access is afforded through the space between the rear wall section and the lower part of the barrier wall to the display space of the case for the insertion therein and dispensing therefrom of said products while the barrier wall forms a barrier against movement of exterior air to the inner side of the transparent section of the front wall of the case.

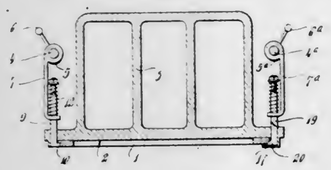
2,382,600

DEVICE FOR RELEASABLY SECURING PLATES OR TOOLS TO PLATEN PRESSES

Henri Bobst and Josef Küry, Lausanne, Switzerland, assignors to J. Bobst & Fils, S. A., Prilly, Switzerland, a corporation of Switzerland

Original application September 17, 1941, Serial No. 411,145. Divided and this application December 27, 1943, Serial No. 515,752. In Switzerland October 9, 1940

2 Claims. (Cl. 101—390)



1. A device for releasably securing printing plates or tools to the platen of printing respectively cutting presses comprising a frame for holding the plate and means for clamping said frame at opposite edges thereof to the platen, the clamping means at one edge including a rod connected by a spring to an actuating link, the said rod having a hook at one end engageable in the operative position with a lip extending from the frame in order to press the said frame against the platen and a rod connected by a spring to an actuating link and having a hook at one end engageable in the operative position within a recess in the edge of the frame in order to register and hold the frame against lateral movement parallel to said edge, and the clamping means at the opposite edge being operable to press the frame towards the other clamping means, and actuating means at each edge of the frame common to all of the clamping means at that edge.

2,382,601

METHOD OF MAKING SINTERED POWDERED IRON ARTICLES

Alfred L. Boegehold and Robert H. Terry, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application August 14, 1940, Serial No. 352,522

6 Claims. (Cl. 75—22)

1. The method of making an article of sintered ferrous material which comprises, providing powdered mill scale of a size such that it will at least pass through a 250 mesh screen, mixing said powdered mill scale with powdered white iron or steel, heating said powder mixture at a temperature of about 1400° F. to about 2000° F. in a gas atmosphere containing reducing gases in excess of oxidizing gases and for a time sufficient to reduce the powdered mill scale to substantially pure iron without melting the same and to decarburize the white iron or steel powder particles until practically no carbon remains, briquetting the powder mixture produced by reducing the mill scale and decarburizing the white iron or steel, and sintering said briquette at a temperature of about 2000° F. to about 2100° F. in a non-oxidizing atmosphere.

2,382,602

FUSE LINK

Chester W. Brown, Milwaukee 10, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware

Application July 27, 1942, Serial No. 452,437

2 Claims. (Cl. 200—117)



2. The combination with a standard preassembled strain-type fuse link comprising a rigid terminal section, a strain fuse section secured at one end to the terminal section, a flexible leader secured to the other end of said fuse section, and an insulating tube secured to the rigid section and enclosing the fusible section and a portion of the flexible leader adjacent said fuse section; of a contractile spring disposed in said tube and surrounding that portion of said leader disposed in said tube, the corresponding ends of said tube and spring being relatively anchored, and a sleeve disposed in said spring and surrounding said portion of said leader disposed in said tube, said sleeve engaging the end of said spring remote from said corresponding ends and projecting exteriorly of said tube and spring, the projecting end of said sleeve being crimped upon said flexible leader to hold said spring in expanded tensioned condition.

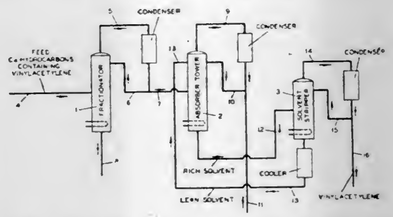
2,382,603

VINYLACETYLENE PURIFICATION

Charles Keith Buell, Bunavista, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 9, 1943, Serial No. 513,609

7 Claims. (Cl. 202—42)



1. The process of recovering vinylacetylene in concentrated form from a C_4 hydrocarbon stream containing the same and other aliphatic C_4 hydrocarbons which comprises fractionally distilling said stream while maintaining in the fractionation zone butenes-2 in sufficient amount to form a minimum boiling point azeotrope with vinylacetylene and virtually no excess butenes-2, recovering overhead this azeotrope between said vinylacetylene and said butenes-2, subjecting the overhead fraction to selective solvent extraction and thereby selectively dissolving the vinylacetylene in the selective solvent, and stripping the rich solvent to recover concentrated vinylacetylene as the product of the process.

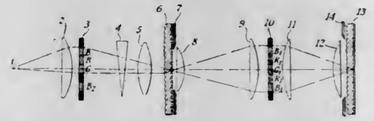
2,382,604

PRINTER FOR LENTICULAR COLOR FILMS

John G. Capstaff and Oran E. Miller, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 4, 1943, Serial No. 501,240

3 Claims. (Cl. 88—24)



1. An optical system for use in making prints from an original lenticular color film exposed through a three-band filter, onto lenticular film exposed through a five-band symmetrically-colored filter having linear bands, the outermost of which are the same color, which comprises an illuminating system for said original film in which is a four-band color filter between a light source and the original film and imaged at infinity on the lenticular side of the original film, three bands of said four-band filter having the same color sequence as the filter used in taking and the fourth color band being of the same color as the outer bands of said five-band filter and separated from the three color bands by an opaque zone of a width corresponding to the separation of the images representing the same color as said fourth color band in the emulsion layer of said original film, means for illuminating said five-band filter with light rays from said original film, and means for focusing said light rays on a lenticular printing film.

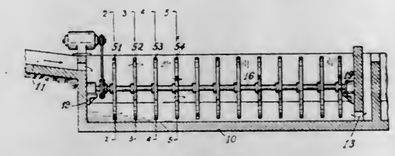
2,382,605

APPARATUS FOR EFFECTING CLARIFICATION OF TURBULENT LIQUID BY FLOCCULATION

Ralph B. Carter, Jr., West Englewood, N. J., assignor to Ralph B. Carter Company, Hackensack, N. J., a corporation of New York

Application December 7, 1940, Serial No. 369,080

2 Claims. (Cl. 259—9)



1. In a flocculating mechanism having a container for the material to be treated with an inlet and an outlet, and a shaft longitudinally disposed with respect to the flow of material from the inlet to the outlet, the combination therewith of a series of plate controllers disposed in planes transversely to said shaft and rotatable therewith, and having aligned peripheral portions each spaced from the walls of the container to provide passages, and, each plate controller having a cutout forming a passage for the flow of the material, said cutouts being misaligned with each other from controller to controller,

said controllers being spaced from each other along said shaft without positive agitative means between said controllers, said controllers being so arranged that the material flows over the peripheral portion of one controller to the shaft portion of the cutout of the next adjacent controller, and from that shaft portion of the cutout to the peripheral portion of the next controller, whereby the material flows over the peripheral portions of the controllers and partakes of a continuous unbroken stream of spiral formation as the material passes from the inlet to the outlet through the successive cutouts.

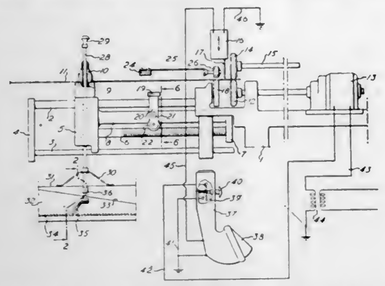
2,382,606
HAND-GRIPPING TOOL
Leon D. Clark, Skiatook, Okla.
Application March 31, 1944, Serial No. 528,901
4 Claims. (Cl. 81—86)



1. A tool of the class described comprising two overlying heads, means for pivotally connecting one head to the other, levers carried by said heads and extending in the same general direction to provide means for rotating one of the heads relative to the other, a fixed jaw extending outwardly from one of the heads, the margin of said one head to one side of the jaw being substantially straight, a face of said one head being provided with a guide groove parallel to said substantially straight margin, a shank having a guide flange extending within the groove, a jaw extending from one end portion of the shank in the same general direction as the fixed jaw, and an operative connection between the second head and the shank for imposing endwise movement to the shank upon relative rotation of the heads, said second head being provided with an outstanding flange portion overlying the shank to hold the shank and the jaw carried thereby in working position.

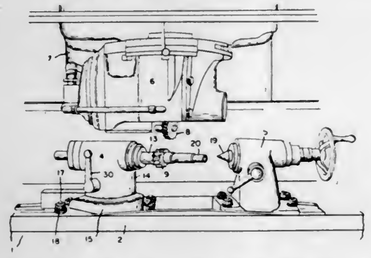
2,382,607
DICTATION MACHINE
Henry P. Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 14, 1944, Serial No. 526,382
11 Claims. (Cl. 179—100.4)

1. A sound recording and reproducing device including a record support, a sound recording and reproducing head having a single stylus positioned to engage a record when mounted on said support for recording or reproduction, means for causing relative forward movement between said support and head including a motor, a combined microphone and loud speaker directly electrically connected to said head, and means for causing relative



backspacing movement between said support and head while said motor continues its forward drive.

2,382,608
HEADSTOCK
John L. Connell, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application October 19, 1942, Serial No. 462,593
3 Claims. (Cl. 90—1.6)

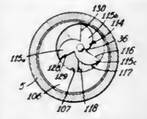


1. In a machine for finishing a tooth surface of a gear unitary with a relatively long shaft, the combination with a rotary finishing tool for the tooth surface and a tailstock having an axially movable center, of a headstock comprising a housing, a spindle journaled in said housing and hollow throughout its length for the passage therethrough of the gear shaft, said spindle guiding the gear shaft and having an abutment for positioning the gear in predetermined relation to and in mesh with said tool in the operative position of said spindle, a base on which said housing is mounted for angular movement through a path substantially parallel to the axis of said tool to provide for inserting and removing the gear and shaft, and means for securing said housing to said base in a rotative position of said housing locating said spindle in operative position in axial alignment with said center.

2,382,609
RECORDING INSTRUMENT FOR OIL WELLS
Clarence R. Dale, Los Angeles, Calif., assignor, by direct and mesne assignments, of thirteen and seventy-five one-hundredths per cent to J. R. Pemberton and forty-five per cent to Technical Oil Tool Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application December 16, 1940, Serial No. 370,320
3 Claims. (Cl. 234—60)

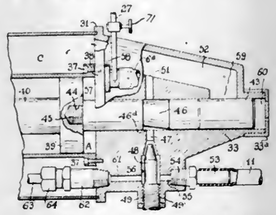
1. In a device for recording the magnitude of physical conditions existing in a well bore as measured by a condition measuring means at-

tached to said device and including also an elongated light sensitive record strip, a light source, slit defining means disposed between said light source and said record strip in a position to permit casting upon said record strip a narrow line of light extending transversely of the width of said record strip, and means for moving said strip longitudinally past said slit at a predetermined rate, the combination of: a light valve for controlling the length of said line of light comprising a movable member having a plurality of uniform-



ly spaced vanes disposed in positions to successively eclipse said slit in response to progressively increased amounts of movement of said member, each of said vanes being so shaped as to eclipse progressively larger portions of said slit upon progressive movement of said vane therepast; and means interconnecting said light valve and said condition measuring means in such manner as to cause said progressively increased amounts of movement of said movable member upon progressive variations of said condition over progressively increased ranges of magnitudes.

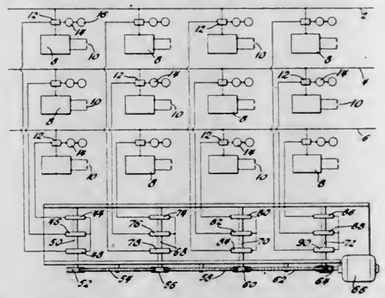
2,382,610
ARTIFICIAL RESPIRATION AND ASPIRATION APPARATUS
Morris Dann, Cleveland, Ohio
Application December 26, 1941, Serial No. 424,515
4 Claims. (Cl. 128—29)



1. In resuscitation apparatus of the class described, in combination, a source of supply of oxygen under pressure, an instrumentality for administering the oxygen to a patient, passage means connecting the oxygen source to the said instrumentality, a valve chamber a valve in said chamber for controlling said passage means, said valve being formed to gradually open the passage means when the valve is moved to supply oxygen to the said administering instrumentality, a motor connected with said valve for operating the same, and means for venting the oxygen flowing to the administering instrumentality from the said passage means, when a predetermined resistance to the flow of oxygen from the said instrumentality is met with.

2,382,611
INTERLOCKING SYSTEM
Francis G. da Roza, Ferndale, and Frank E. Hill, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 3, 1943, Serial No. 489,448
4 Claims. (Cl. 171—97)

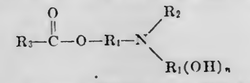
4. In interlocking means, an electric transmission line, a plurality of units operable at different predetermined multiple rates adapted to be energized from the line intermittently, switches controlling the energization thereof connected to the units and to the line, a portion of said switches controlling each unit at a certain



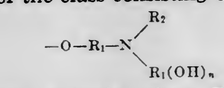
fixed periodicity and a plurality of commonly driven phased switches in series with the first-named switches whereby no two of the phased switches may be closed at one time to prevent simultaneous energization of more than one unit.

2,382,612
ESTERIFICATION REACTION PRODUCT AND METHOD OF MAKING SAME
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 9, 1943, Serial No. 478,595. Divided and this application September 2, 1943, Serial No. 501,029
7 Claims. (Cl. 260—404)

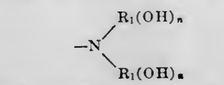
1. The non-volatile resultant of an esterification reaction between (A) a monocarboxy acid ester; in said ester, the acyl radical RCO of the monocarboxy acid RCOOH is that of a detergent-forming acid having at least 8 and not more than 32 carbon atoms and is the substituent for at least one alcoholic hydroxyl hydrogen atom of an alcohol, which alcohol is in turn a hydroxylated amino ester of the formula:



in which R_1 is an alkylene radical having not more than 4 carbon atoms in the alkylene group; R_2 is a member of the class consisting of $R_1(OH)_n$ radicals, and monovalent hydrocarbon radicals having not over 10 carbon atoms; R_3 is a member of the class consisting of



radicals; OR_4 radicals, where R_4 is an alkyl radical having not more than 4 carbon atoms and

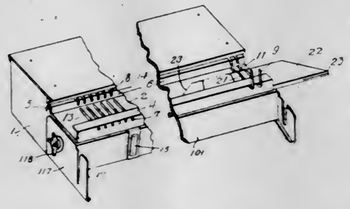


radicals; and in all instances, n being a small whole number; and (B) a low molal alkyl ester of a polycarboxy acid, in which the alkyl group has less than 5 carbon atoms; said esterification reaction between (A) and (B) eliminating as the volatile resultant, the particular alcohol corresponding to the alkyl radical of the polycarboxy acid ester.

2,382,613
PROCESS OF MAKING AROMATIC AMINES
Joseph B. Dickey, Edmund B. Towne, and William H. Strain, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 30, 1943, Serial No. 512,336
5 Claims. (Cl. 260—580)

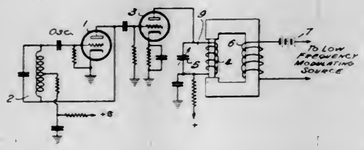
1. Process for the preparation of a meta-substituted aromatic amine, comprising catalytic hydrogenation of a compound selected from the group consisting of the acetals and lower dialkyl esters of a meta-nitro aromatic aldehyde.

2,382,614
APPARATUS FOR MAKING HAND KNITTED GARMENTS
Juan Manuel de la Peña, Mexico City, Mexico
Application October 30, 1942, Serial No. 463,928
In Mexico March 12, 1942
2 Claims. (Cl. 66—4)



1. An apparatus for hand knitting, comprising a needle guide board with a raised front edge provided with a row of perforations, and a raised back end formed into a hem provided with grooves, slots in the guide board and a number of removable needles having heels guided in said slots, one end of a needle being inserted in one of said perforations, and the other in one of said grooves, and a locking wire in said hem on top of said needle ends.

2,382,615
OSCILLATOR TUNING SYSTEM
Hugh L. Donley, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1942, Serial No. 443,244
6 Claims. (Cl. 179—171.5)



2. In combination, an oscillator having a frequency controlling tank circuit of reactance and effective resistance, a vacuum tube having a grid coupled to said oscillator and an anode coupled to a resonant circuit whose natural frequency is higher than the frequency of oscillations produced by said oscillator, said resonant circuit including an inductance coil surrounding a ferromagnetic core, and means for varying the permeability of said core in accordance with signal modulations to thereby reflect variations in admittance upon said tank circuit.

2,382,616
PHOTOGRAPHIC METHOD
Lorenzo del Riccio, Los Angeles, Calif.
Application May 29, 1941, Serial No. 395,705
4 Claims. (Cl. 88—16)



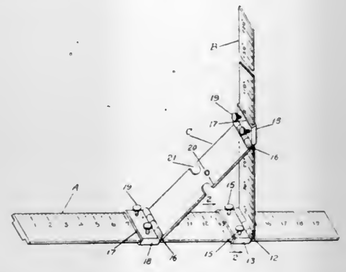
1. The method of making a photographic record of a race, which includes photographing the contestants with each of a plurality of motion picture cameras positioned in spaced relation along the race course, said photographing being done with each camera while said contestants travel between two points located adjacent the positions of the immediately preceding and next succeeding cameras respectively, and assembling the motion picture photographs thus obtained into two strips, one comprising the successive views of the contestants as they travelled from the points adjacent the positions of each of the photographing cameras to the points adjacent the positions of each of the next succeeding cameras, respectively, and the other strip comprising the successive views of the contestants as they travelled from the points adjacent the positions of each of the immediately preceding cameras to the points adjacent the positions of the photographing cameras, respectively.

2,382,617
METHOD OF PHOTOGRAPHICALLY RECORDING THE ORDER OF PASSAGE OF MOVING OBJECTS
Lorenzo del Riccio, Los Angeles, Calif.
Original application March 20, 1939, Serial No. 262,891, now Patent No. 2,320,350, dated June 1, 1943. Divided and this application May 28, 1943, Serial No. 489,424
6 Claims. (Cl. 95—5)



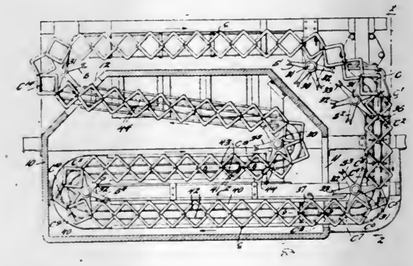
1. The method of making a photographic record of contestants crossing a finish line of a race upon a course, which comprises the steps of positioning a photographic camera to one side of and above said course with the optical axis of its objective in alignment with said finish line, continuously projecting through said objective the images of said contestants upon a light sensitive surface in said camera and at the same time moving said sensitive surface in the same direction and at substantially the same speed as said images and masking the said sensitive surface so that the area of exposure thereof is continuously confined to a narrow strip extending transversely of the direction of movement of said sensitive surface which is in optical correspondence with the said finish line and an area of said course adjoining said finish line on only one side thereof.

2,382,618
GEOMETRICAL INSTRUMENT
Edward R. Douglass, Eckman, N. Dak.
Application November 6, 1943, Serial No. 509,284
6 Claims. (Cl. 33—98)



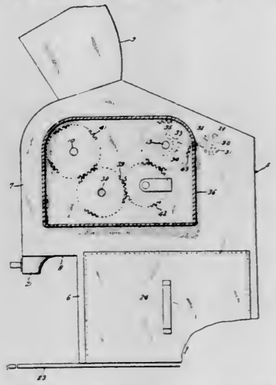
1. An angle gage comprising three elongated members, means forming a sliding hinge connection between an end of each of two members and the third member, a sliding hinge connection between the other end of one of the two members and the other one of the two members, and the said other one of the two members having a degree scale thereon for coaction with the sliding member connected thereto.

2,382,619
APPARATUS FOR CONVEYING FRESHLY COATED CONTAINERS
James F. Earp, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application May 4, 1943, Serial No. 485,639
9 Claims. (Cl. 198—131)



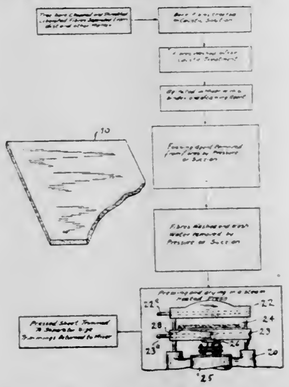
1. Apparatus for conveying freshly coated containers through a cooling chamber comprising, in combination, a conveyor for receiving freshly coated containers at a loading point and advancing them through the cooling chamber to a point of discharge, said conveyor including a series of container encircling frames pivotally connected together to form a continuous chain arranged for movement in a horizontal plane, each frame being adapted to freely receive a tubular container dropped into the same from above at the loading point and to permit the container to freely drop downwardly therethrough at the point of discharge, sprocket devices for supporting the chain and guiding the same along a fixed continuous path without contacting containers being advanced thereby, and means for supporting containers from below, while such containers are being advanced by the chain, until the point of discharge is reached.

2,382,620
FRUIT-CUTTING AND JUICE-EXTRACTING MACHINE
Nathaniel Eastman, New York, N. Y.
Application July 5, 1944, Serial No. 543,577
4 Claims. (Cl. 100—47)



4. A fruit cutting and juice extracting machine, comprising a casing provided with a feed hopper at the top thereof, a slicing plate disposed in the upper portion of the casing, a vertical rotary cutting disc journalled in the casing beneath the hopper and arranged to cooperate with the slicing plate for cutting a fruit into halves, a transverse pressing roll journaled in the casing, an inclined drain plate extending beneath the roll, deflector plates disposed at opposite sides of said cutting disc and curved and inclined to deliver the halves of fruit rearwardly onto the drain plate with the flat faces thereof down, said roll being located in proximity to the drain plate for squeezing the fruit halves to express the juice therefrom, and a juice receiving pan mounted in the casing beneath the cutting disc, the drain plate and the roll.

2,382,621
PROCESS OF MAKING BATTERY SEPARATORS
Edward Fairclough, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application July 31, 1942, Serial No. 453,087
7 Claims. (Cl. 136—150)



1. The process of making battery separators which comprises treating tree bark fibers with

caustic solutions, removing the caustic solution from the fibers, adding to the fibers a binder and a wetting and foam producing chemical solution, agitating the fibers and binder while in said wetting and foam producing chemical solution so as to distribute the binder and produce foam for holding the fibers apart, removing the chemical solution, and pressing the fibrous mixture into a sheet.

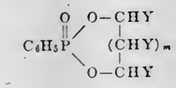
2,382,622

GLYCOL ESTERS OF PHENYLPHOSPHONIC ACID

Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application January 3, 1944, Serial No. 516,845
10 Claims. (Cl. 260—461)

1. An ester compound of the general formula



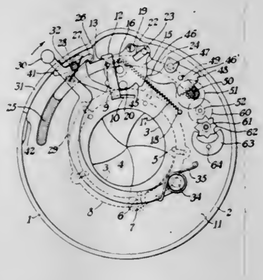
where Y is a group of the class consisting of hydrogen and alkyl groups, and m is one or zero.

2,382,623

AUTOMATIC SHUTTER

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 4, 1943, Serial No. 485,596
5 Claims. (Cl. 95—63)



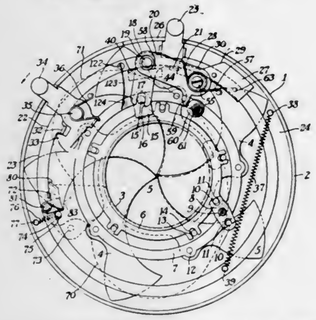
1. In a shutter for cameras of the type including an aperture casing, shutter blades pivotally mounted therein for movement to open and close the aperture, and a blade ring operably attached to each blade for simultaneously operating the blades, the combination with said blade ring, of an arm extending therefrom, a pivotally-mounted master member having a set position lying beneath the arm, two pins carried by the master member one on each side of the arm when in its set position, the first for striking and opening and the second pin for striking and closing the shutter blades, a shutter trigger movably mounted on the casing, a slidable member operably connected to the master member, a latch for moving the slidable member by the trigger, a cam for releasing the latch when the master member reaches its set position whereby one pin carried by the master member may strike and move the lever to open the shutter blades, the lever turning with the blade ring about a center spaced from the center of the master member causing said pin to ride off the end of said lever as the master member turns about its pivot, and the second pin driving said arm in a reverse direction.

2,382,624

CAMERA SHUTTER

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 25, 1944, Serial No. 523,803
10 Claims. (Cl. 95—63)



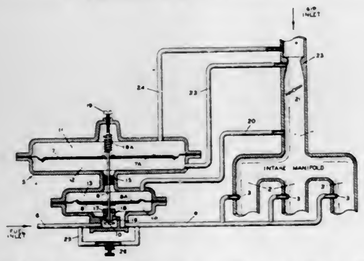
1. In a shutter for photographic cameras of the type including a casing, a master member movably mounted in the casing, a trigger, elements for holding the master member in a set position, one of said elements being operable with the trigger to release the master member for an exposure, double ended shutter blades, and at least one blade ring for moving the shutter blades, the combination with said master member, release means and trigger, of a cam carried by said master member for operating the shutter blades, a bell crank lever, a movable mount therefor, to position one end of the bell crank lever relative to the cam whereby the point of impact by the cam driven by the master member against the bell crank lever may be varied, and connections between the bell crank lever and said blade ring for transmitting movement from the bell crank lever thereto.

2,382,625

MANIFOLD INJECTION CARBURETOR

Owen L. Garretson, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 19, 1942, Serial No. 435,406
1 Claim. (Cl. 261—69)



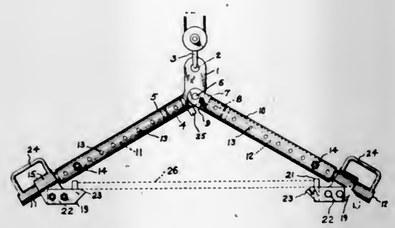
In a fuel system for an engine having an intake manifold, a source of fuel under pressure, a fuel supply pipe connecting said source with the intake manifold and including at least one metering orifice opening into the manifold, an air inlet communicating with the intake manifold having a venturi and throttle therein downstream of said venturi, the improvement comprising a fuel control device including a valve in said supply pipe controlling the flow of fuel to the intake manifold, said valve having a stem connected to a lower diaphragm and an upper diaphragm, a first and a second housing, the upper diaphragm dividing the first housing into two chambers and the lower diaphragm dividing the second housing into two chambers, said housings being separated from each other, resilient means in the upper chamber of the first housing urging the valve closed, a pipe connecting the lower chamber of the first housing with the venturi section and being at the same pressure as the venturi section, a pipe connecting the upper chamber of the first housing with the air inlet pipe upstream of the venturi section, the diaphragm of the first housing being responsive to suction induced by increased air flow through the venturi section which results in a higher pressure in the upper chamber of the first housing than in the lower chamber of the first housing to open the valve against the force of the resilient means, a pipe connecting the upper chamber of the second housing with the air inlet downstream of the throttle and said chamber being under suction upon decreased air flow through the venturi by closing of the throttle valve, the lower chamber of the second housing communicating with the fuel supply pipe when said valve is open, said resilient means closing said valve under the unstable conditions existing when the throttle is in idling position, and a fuel idling connection around said valve to by-pass fuel from said source to said orifice when said valve is closed.

2,382,626

PLATE HANDLING DEVICE

Louis J. Gaston, Jr., and Joseph W. Pick, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application March 23, 1943, Serial No. 480,176
7 Claims. (Cl. 294—104)



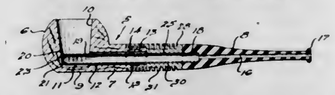
1. A heavy duty lifting device of the grapple type comprising in combination a pair of arms one of which is pivoted to the other, a stop for limiting the relative position of the arms to an obtuse angle, a member extendable telescopically with relation to each of said arms, each being provided with means for fixing the relative telescoped position of said member with respect to its respective arm, and a pair of hook members demountably secured to each of said extendable members.

2,382,627

SMOKING PIPE

James B. Giern, Detroit, Mich., assignor of one-half to Anders P. Anholtt, Detroit, Mich.

Application July 13, 1943, Serial No. 494,461
6 Claims. (Cl. 131—225)



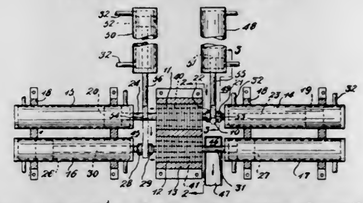
1. In a smoking pipe, a bowl having a bore for receiving tobacco, a stem formed on the bowl provided with a passageway communicating with said bore, a mouthpiece detachably secured to the stem, a tubular member carried by the mouthpiece extending through said passageway and into the bore of the bowl in spaced relation to the walls thereof, and a thimble secured to said tubular member having cooling fins at one end and a ferrule at the other end for snugly fitting the free end of said stem to permit endwise sliding movement of the mouthpiece and tubular member whereby the distance between the end of said tubular member and wall of said bore may be regulated.

2,382,628

BROACHING APPARATUS

Lee B. Green, Lakewood, Ohio

Application April 23, 1943, Serial No. 484,186
11 Claims. (Cl. 90—33)



1. In apparatus of the character described, a hollow broach, cylinders on opposite sides of said broach, pistons in said cylinders, and a pair of cooperating chuck members connected with said pistons for actuation thereby, said pistons and chuck members operating to hold a blank between the chuck members and carry the blank through said broach.

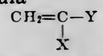
2,382,629

INTERPOLYMERIZATION PRODUCTS

Herbert Gudgeon and Rowland Hill, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 28, 1940, Serial No. 321,355. In Great Britain February 28, 1939
14 Claims. (Cl. 260—84)

1. Process which comprises polymerizing a mixture of a 1-carboalkoxybutadiene-1,3 and a compound of the formula



wherein X is a member of the group consisting of —H, —Cl, and —CH_3 and Y is a member of the group consisting of —CN, —COOH, and —COOR, where R is a hydrocarbon radical.

2,382,630

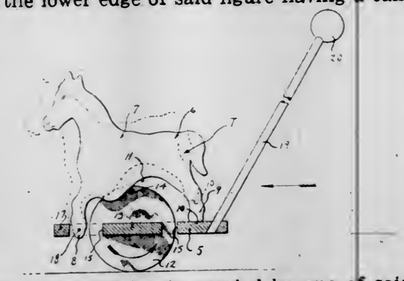
ANIMATED TOY

Daniel E. Gumb, Milwaukee, Wis.

Application December 4, 1944, Serial No. 566,470
3 Claims. (Cl. 46—99)

1. An animated wheeled toy comprising a plat-

form, rotatable wheels supporting the platform, a figure shaped to simulate an animal having a body provided with front and rear legs, means pivotally connecting one of said legs to the platform, the lower edge of said figure having a cam



surface, an eccentric pin carried by one of said wheels for wiping engagement with the cam surface during rotation of the wheels, and said other leg being adapted to strike against the platform to produce a sound during the movement of the figure on the platform.

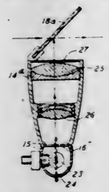
2,382,631

OPTICAL GUN SIGHT

Clarence J. Harasta, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application March 18, 1943, Serial No. 479,674

9 Claims. (Cl. 88—2.3)



1. An optical gunsight arranged to project a virtual image in the form of a luminous sighting pattern in a desired direction for visual superimposition on a remote target, comprising a lens casing, a sheet of glass supported at an angle to the axis of the casing and so positioned as to intercept the desired line of sight at a point coincident with the axis of the casing, an achromatic double lens system in said casing, a reticule positioned at the principal focus of said lens system, and a filtered light course, adapted to illuminate said reticule with substantially monochromatic light whereby the chromatic aberration corrections of the lens system can be matched to the substantially monochromatic light from the filtered light source.

2,382,632

PROCESS FOR RENDERING WOOL NONFELTING

Frederick A. Hessel, Montclair, and John B. Rust, Verona, N. J., assignors to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application November 18, 1941, Serial No. 419,634

8 Claims. (Cl. 8—127.6)

1. Process of producing non-felting wool which comprises heating wool in an aqueous solution of from about 1–10% of a basic nitrogen compound selected from the group consisting of primary and secondary amines, mild quaternary ammonium bases which do not dissolve wool, and alkalisalts of amino acids, at 50° to 90° C. for 15 to 60 minutes; and thereafter rinsing and drying.

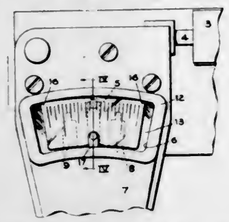
2,382,633

GAUGE

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application July 19, 1943, Serial No. 495,296

5 Claims. (Cl. 33—125)



1. An accessory to facilitate the setting of a tolerance indicator with respect to a pointer in a sight window of a comparator gauge wherein the window is normally free from scale graduations, comprising a transparent body adapted to be placed in superimposed relation to the window in a predetermined definite relation thereto, the body having a series of graduations thereon for association with the indicator and pointer to relate the former to the latter.

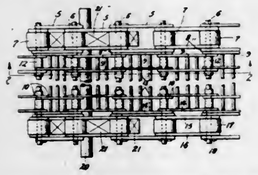
2,382,634

CARRIER BELT

George M. Howard, Cincinnati, Ohio, assignor to Howard Engineering & Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application September 11, 1942, Serial No. 458,027

3 Claims. (Cl. 198—193)



1. A carrier belt comprising two sprocket engaging chains disposed in parallel, spaced relationship and each having overlapping side links, rollers positioned between the side links in transverse alignment with the overlapping portions therefor, and common articulating rods for the chains and rollers, a carrier portion between the said chains having a plurality of links disposed edgewise relative to the plane of the belt, transversely aligned apertures formed in the links for receiving the said rods, rod encircling sleeves spacing the links laterally, each carrier link having formed therethrough a plurality of apertures, the apertures in transversely adjacent links being in alignment, and a number of supporting rods inserted in said aligned apertures, the number of supporting rods so employed being determined by the size of the articles to be supported by the carrier portion of the belt.

2,382,635

COLLAPSIBLE TOP FOR AUTOMOBILES

Frank Humer, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 23, 1943. Serial No. 499,601

3 Claims. (Cl. 296—107)

1. In a collapsible frame structure for the folding fabric top of an automotive vehicle, a pair of upwardly extending supports pivoted at their lower ends to the rear part of the vehicle, lateral forwardly extending frame members pivoted to the upper ends of the supports, a catch in the end of each support, hooks pivotally mounted on each lateral frame member, said hooks being adapted to engage with the catches to hold the supports and lateral members rigidly together when the top is in operative position, springs constantly urging said hooks out of engagement with the catches, means to prevent



the springs from moving the hooks when the parts are in operative position, said lateral frame members extending to the front of the vehicle and being releasably secured to the windshield frame, the release of the front part of said structure from the windshield frame enabling the structure to be folded rearwardly of the vehicle, the rearward folding of the structure enabling the spring to move the hooks away from the catches to enable the lateral frame members to fold on the supports.

2,382,636

AQUEOUS EMULSIONS OF CELLULOSE ACETATE

Oskar Huppert, Newark, N. J.

No Drawing. Application September 14, 1943, Serial No. 502,371

8 Claims. (Cl. 106—170)

1. A stable diluted aqueous emulsion of cellulose acetate consisting of a solution of cellulose acetate in isophorone, an aqueous solution of gelatine and maleic anhydride and sulfonated castor oil.

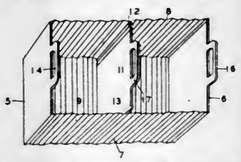
2,382,637

COLLAPSIBLE FOOT TUB

Sylvanus O. Jacks, San Francisco, Calif.

Application December 4, 1943, Serial No. 512,887

2 Claims. (Cl. 4—182)



1. A foot bathing receptacle comprising a substantially rectangular arrangement, a division wall positioned therein and flexibly connected to the sides of the receptacle, said wall dividing said receptacle into two fluid containing receptacles, and a handle formed on said division wall, whereby said division wall may be moved to cause a circulation of fluid in each of said receptacles, and on the opposite sides of said division wall.

2,382,638

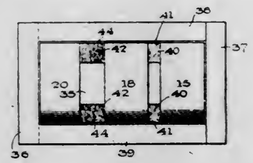
FLUORESCENT LIGHTING

Russell W. Keiser and Charles P. Boucher, Atlanta, Ga., assignors to Boucher and Keiser Company, Atlanta, Ga., a partnership composed of Charles P. Boucher and Russell W. Keiser

Application June 1, 1943, Serial No. 489,304

4 Claims. (Cl. 171—119)

1. In a transformer for connection between a source of alternating current and a pair of fluorescent lamps, in combination, a core structure providing a closed magnetic path, a primary winding, a leading current secondary winding, said three windings being sequentially arranged on said core, said core having a shunt positioned between



the primary and leading current secondary to provide high primary leakage flux and a second shunt positioned between the secondary windings to provide high leakage flux for both secondary windings, the second of said shunts having a cross-section of the order of twice that of the first.

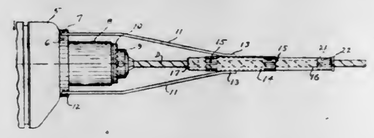
2,382,639

DRILL GUIDE

Harry M. Kennard, Santa Barbara, Calif.

Application June 13, 1944, Serial No. 540,163

5 Claims. (Cl. 77—55)



2. A drill guide as described for a drill having a body and a chuck spindle comprising: a frame adapted to be secured to said body and having a tubular member secured thereto, and a drill guide sleeve slidably secured in said tubular member in alignment with the spindle axis, said sleeve having a pair of drill guide bushings slidably and detachably secured thereto, said bushings each having a bore substantially the diameter of a selected drill.

2,382,640

RESINOUS POLYMER OF METHYLENE DIOXOLANE

William O. Kenyon and Thomas F. Murray, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 8, 1943, Serial No. 501,548

8 Claims. (Cl. 260—80)

1. A resinous homopolymer of a 2-aryl-4-methylene-1,3-dioxolane.

2,382,641

PREPARATION OF LIMONENE

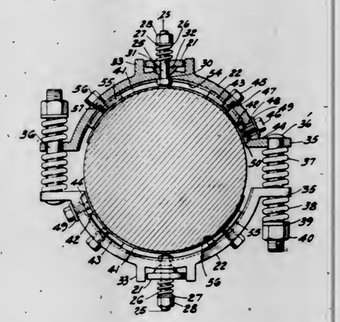
Morris S. Kharasch, Chicago, Ill., and William Bryan Reynolds, Cincinnati, Ohio, assignors to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 21, 1944, Serial No. 550,486

8 Claims. (Cl. 260—675.5)

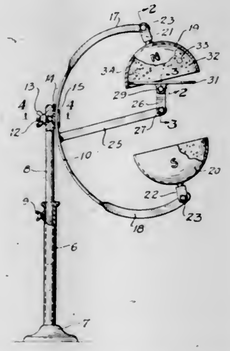
1. The process for the production of limonene which comprises heating pinene with an organic acid in the presence of an organic acid amide.

2,382,642
DEVICE FOR POLISHING LOCOMOTIVE CRANKPINS
Henry E. Klinglesmith, Los Angeles, Calif.
Application August 24, 1943, Serial No. 499,765
21 Claims. (Cl. 51—241)



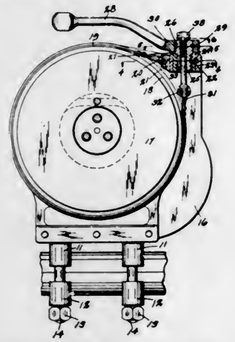
1. In a crank pin polishing device, a guide bar having a cup-shaped head secured axially to the diametrically contracted end portion of a locomotive crank pin, an annular frame including a pair of arcuate members which form diametrically opposite side portions of said frame rotatably and slidably mounted on said guide bar, the end portions of said arcuate members being spaced apart from each other at each side of said frame, means mounted on said frame to yieldingly urge said spaced apart end portions of said arms toward each other, and polishing means carried interiorly by said annular frame.

2,382,643
ASTRONOMICAL DEVICE
Jerome C. Lafferty, Los Angeles, Calif.
Application February 14, 1944, Serial No. 522,234
4 Claims. (Cl. 35—47)



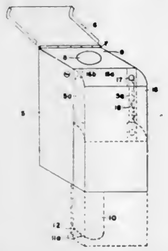
1. An astronomical device comprising supporting means mounted to swing about a given axis, hollow, open-ended elements independently arranged upon swinging parts of the supporting means with their open ends facing each other, the inner surfaces of the elements being curved and bearing representations of astronomical phenomena, and a pivotally mounted masking element having a curved surface conforming substantially with the inner surfaces of both of said elements and movable independently pivotally to mask portions of either of said elements.

2,382,644
BRAKE FOR HOISTS
Earl B. Lear, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 5, 1943, Serial No. 497,426
3 Claims. (Cl. 188—77)



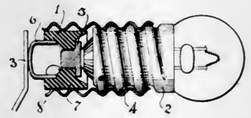
1. In combination, a brake drum, a brake band extending around said drum, a bracket having a central bore therethrough the axis of which is substantially tangential to the surface of the drum, means for anchoring one end of said band to said bracket, and means for exerting a pull upon the opposite end of said band comprising a headed pin attached to said band, a hollow screw surrounding the pin and engaging its head, an internally threaded collar in the central bore of said bracket into which said screw extends, a pin extending through said bracket and having engagement throughout a substantial part of its perimeter with said collar for holding the collar against rotation as well as against axial movement, and means for turning the screw.

2,382,645
MAILBOX
Harry Logsdon, Newton, Iowa
Application September 23, 1943, Serial No. 503,500
1 Claim. (Cl. 232—17)



In a device of the kind described, an elongated box rectangular in cross section, an outer magazine tube seated medially through the box, the said tube being open at its ends and supported in place within the box by end webs extended between the box and tube, an inner magazine tube telescopically seated within the outer magazine tube, said inner tube being closed at its lower end and open at its upper end, tabs extended from the lower end of the inner tube diametrically towards opposite corners of the rectangular box and positioned outwardly of the lower end of the box, a pair of draw rods anchored at their lower ends to the said tabs and passed slidably upward through holes formed in the tabs into the opposite corners of the box, coil compression springs seated over the draw rods within the corners of the box and braced between the bottom web of the box and the headed upper ends of the draw rods, whereby the inner tube is normally and resiliently drawn upward within the outer tube, but may be pressed outward and downward for receiving a magazine of excessive length.

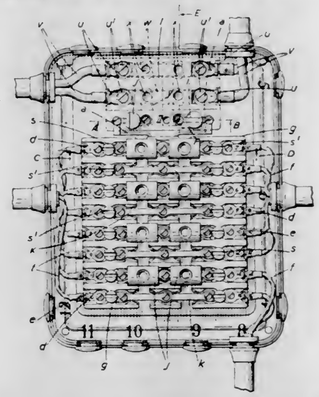
2,382,646
ELECTRICAL SWITCHING MEANS
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application March 13, 1942, Serial No. 434,627
1 Claim. (Cl. 200—60)



In combination with a socket and an electric lamp having a sleeve-like outer contact member and an axial inner contact member, a control unit detachably received in said socket comprising a cylindrical body member of insulating material having a recess in each end connected by an axial aperture, the recess adjacent the lamp being of inwardly convergent conical form, a conductor extending through and having threaded engagement with said axial aperture, said conductor having a head seated in said conical recess and engaging said axial lamp contact member, said conductor projecting into said other recess, a cup shaped contact member having its rim portion extending into said other recess into close proximity to said conductor, and a mobile body of conductive material within said cup shaped contact of sufficient size to bridge the space between said contact and said conductor when said unit is in a particular range of positions.

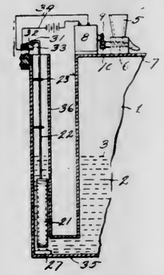
2,382,647
ELECTRICAL WIRING SYSTEM
Harold Fletcher McLoughlin, Shenstone Court, near Lichfield, Walter Edward Hill, Streetly, and Richard Walter Morgan and Thomas Daniel Guy Wintle, Walsall, England; said McLoughlin assignor to J. A. Crabtree & Co. Limited, Walsall, Stafford County, England
Application May 30, 1942, Serial No. 445,232
In Great Britain October 6, 1941
8 Claims. (Cl. 177—311)

7. Fault testing apparatus for an electrical network comprising a distribution board, main feed lines mounted thereon, an outlet socket on the board having plural pin receiving contacts connected respectively to said feed lines, auxiliary bus bars on the board, means electrically connecting said bus bars to said feed lines respectively, conductor socket members mounted on the board and each adapted to receive a plug terminal of a circuit conductor, plural pairs of fuse supporting clips, one clip of each pair being electrically connected to a bus bar and the other clip of each pair being respectively mounted in operative relation to said conductor sockets, a switch operatively interposted between each said conductor socket and its associate fuse clip, means for mounting the several switches for selectively connecting and disconnecting respective conductor sockets and fuse clips, a fuse mounted in each pair of clips, and a portable indicator device having a two-pin connector plug for connection with the pin receiving contacts of said outlet socket, means for electrically grounding said indicator device and switch means operatively interposed between the main feed lines and each auxiliary bus bar whereby all



circuit conductors connected to either auxiliary bus bar may be simultaneously isolated from said main feed lines, in groups, and said circuit conductors may be individually isolated from each auxiliary bus bar selectively to determine the location of an existing ground fault in some one of said circuits.

2,382,648
ALKALINITY REGULATOR FOR WASHING MACHINE TANKS
Thomas A. Martin, Springfield, Long Island, N. Y.
Application February 9, 1942, Serial No. 430,140
1 Claim. (Cl. 68—17)



A unit for controlling the specific gravity of solution comprising a tank for the solution, a motor controlled dispensing device for feeding soap particles into the tank and solution, a vertically disposed hydrometer tube to the outside of the tank and having a passage of communication with the chamber of the tank at the lower end of the hydrometer tube and the tank, the upper end of said tube being open whereby the solution level in the tank and hydrometer tube will be substantially at the same level at all times, a hydrometer in the solution in the hydrometer tube, an upwardly extending rod carried by the hydrometer, the upper end of said rod terminating above the upper open end of the tube and controlling the motor of the motor controlled soap dispensing device above the tube, according to the desired density of the solution in the tank and means cooperating with the lower end of the hydrometer in the bottom of the tube within the

fluid therein for causing a delayed action in the upward movement of the hydrometer when the liquid level in the tube and tank fall to a predetermined point.

2,382,649
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,216
12 Claims. (Cl. 175—21)

1. A composition adapted for permanent magnet use comprising 60 to 90 per cent iron, 10 to 20 per cent manganese, these two constituents totaling at least 80 per cent and the balance except impurities consisting of cobalt.

9. The method of producing a permanent magnet which comprises composing an alloy of 60 to 90 per cent iron, 10 to 20 per cent manganese, these two constituents comprising at least 80 per cent of the alloy, and the balance cobalt, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly elongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and strongly magnetizing it along the general axis of the direction of elongation.

2,382,650
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,217
5 Claims. (Cl. 175—21)

1. A magnetic composition or alloy composed of iron 75 to 85 per cent, nickel 4 to 10 per cent and manganese 10 to 21 per cent.

5. The method of producing a permanent magnet which comprises composing an alloy of iron 75 to 85 per cent, nickel 4 to 10 per cent and manganese 10 to 21 per cent, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly elongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and strongly magnetizing it along the general axis of the direction of elongation.

2,382,651
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,218
7 Claims. (Cl. 175—21)

1. A permanent magnet consisting of 75 to 85 per cent iron, 12 to 18 per cent manganese, and 2 to 8 per cent chromium.

6. The method of producing a permanent magnet which comprises composing an alloy of 75 to 85 per cent iron, 12 to 18 per cent manganese, and 2 to 8 per cent chromium, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly elongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and magnetizing it along the general axis of the direction of elongation.

2,382,652
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,219
7 Claims. (Cl. 175—21)

1. A magnetic composition comprising 72 per cent iron, 18 per cent nickel, 5 per cent manganese, and 5 per cent cobalt.

6. The method of producing a permanent magnet which comprises composing an alloy of 72 per cent iron, 18 per cent nickel, 5 per cent manganese, and 5 per cent cobalt, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly elongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and magnetizing it along the general axis of the direction of elongation.

2,382,653
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,220
6 Claims. (Cl. 175—21)

1. A magnetic composition comprising 60 to 70 per cent iron, 20 to 30 per cent nickel, and 5 to 15 per cent vanadium which has been forcibly elongated while cold and thereafter heated above 500° C. but not above 800° C.

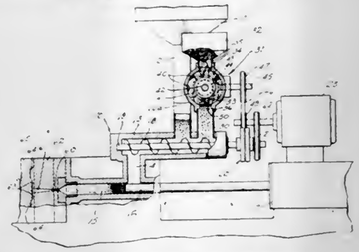
6. The method of producing a permanent magnet which comprises composing an alloy of 65 per cent iron, 25 per cent nickel, and 10 per cent vanadium, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly elongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and strongly magnetizing it along the general axis of the direction of elongation.

2,382,654
MAGNETIC MATERIALS
Ethan A. Nesbitt, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1941, Serial No. 416,221
6 Claims. (Cl. 175—21)

1. A permanent magnet consisting of an alloy of 70 to 80 per cent iron, 5 to 15 per cent nickel, and 8 to 16 per cent chromium.

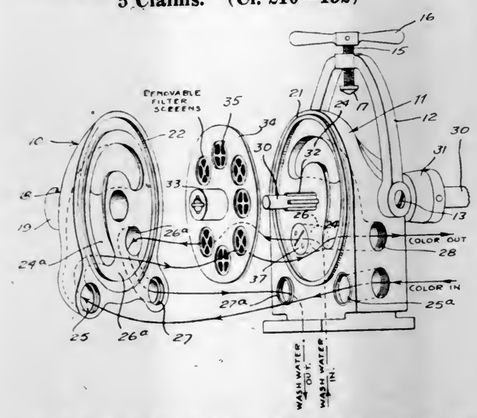
4. The method of producing a permanent magnet which comprises composing an alloy of 70 to 80 per cent iron, 5 to 15 per cent nickel, and 8 to 16 per cent chromium, passing it into or through the temperature range 800° C. to 1300° C., cooling the material to the general region of room temperature, forcibly enlongating the material while cold, and thereafter maintaining it at 500° C. to 800° C., cooling it, and strongly magnetizing it along the general axis of the direction of elongation.

2,382,655
AUXILIARY SCRAP FEED FOR PLASTIC MOLDING MACHINES
Warren O. Nichols, Los Angeles, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a copartnership comprised of Dwight C. Hirsh and Harry G. Long
Application February 16, 1943, Serial No. 476,098
2 Claims. (Cl. 18—30)



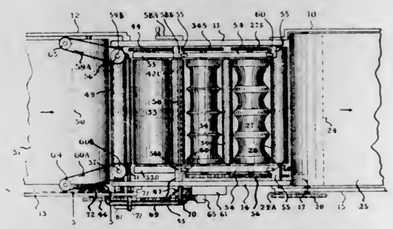
1. In a plastic molding machine having a die cavity, a main infeed hopper, a cylindrical conveyer chamber having longitudinally spaced inlet and outlet openings, a screw conveyer in said chamber, a material passageway connecting said main infeed hopper with said infeed opening of said chamber, and a material passageway leading from said discharge opening of said chamber toward said die cavity: an auxiliary infeed hopper for scrap material, chopper means for chopping material fed into said auxiliary hopper to a predetermined degree of fineness, and a material passageway for conveying chopped material from said chopping means to said conveyer chamber, at a point spaced beyond said inlet opening from said outlet opening.

2,382,656
SELF-CLEANING FILTER
Noel Obenshain, Piedmont, W. Va., and Milton A. Sively, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application October 16, 1942, Serial No. 462,240
5 Claims. (Cl. 210—152)



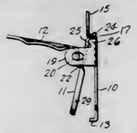
1. A self-cleaning filter of the type having separate filter and wash passages and in which the operations of filtering and back washing are simultaneously performed, such filter comprising a comparatively thin rotary filter disc containing a plurality of filter elements which intercept the filter and wash passages, a casing surrounding said filter disc comprising a first portion and a second portion separable on a section parallel to the plane of said disc and affording access to same when said elements are separated, releasable means for holding said portions together, said first casing portion having an inlet and an outlet for fluid to be filtered as well as an inlet and an outlet for washing fluid and passages for said fluids, said first section also containing a drive shaft for mounting and rotating said filter disc, said second casing portion having passages whose ports register with corresponding ports in said first casing section for completing the circuits of the fluid undergoing filtration and said washing fluid.

2,382,657
BREADMAKING MACHINE
Mario A. Olgiati, Detroit, Mich.
Application October 7, 1942, Serial No. 461,112
7 Claims. (Cl. 107—9)



1. In a dough handling machine of the character described including feeding means, means to drive the said feeding means, and flour dusting means, the combination of means associated with said flour dusting means and controlled by said driving means for effecting the intermittent distribution of flour to parts of said feeding means, the said means associated with said flour dusting means comprising distribution pipes valves positioned in the said distribution pipes, dash pots, for normally holding said valves closed, and valve lever arms which are actuated by a member comprising part of the feeding means, to hold said valves open.

2,382,658
CLASP
Lee Oliver, Milford, Conn., assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn., a corporation of Connecticut
Application November 29, 1943, Serial No. 512,125
5 Claims. (Cl. 24—250)



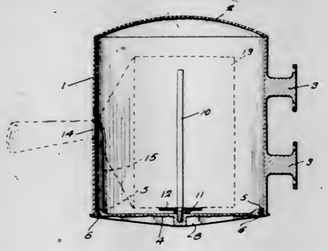
1. A clasp comprising a body member forming a rear jaw and including forwardly projecting ears at its side edges, an integral web loop at the upper end connected with the jaw portion by an offset wall provided with an opening therein, and forwardly projecting pivot lugs at the opposite edges of the member between the ears and said wall integral with the body; a resilient front jaw member forwardly of the first member provided with a tongue extending into said opening and provided with laterally projecting hinge lugs seated on said pivot lugs, said tongue and lugs being so arranged as to form a resilient support for the front jaw tending to shift it forwardly

away from the rear jaw, and an operating lever forwardly of the front jaw pivotally mounted in said ears and provided with a rearwardly extending flange engaging on top of the front jaw member below the supports therefor adapted on swinging of the lever toward this jaw to shift it toward the rear jaw to clamp a garment between the jaws and to stress the forward jaw so that it tends to move forwardly.

2,382,659

TOILET PAPER ROLL HOLDER

Vernon F. Olson, Long Beach, Calif.
Application February 17, 1944, Serial No. 522,778
1 Claim. (Cl. 242—55.5)

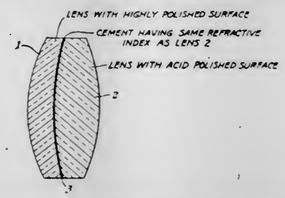


A toilet paper roll holder comprising a container open at its bottom and closed at its top, means for mounting the container on a support, a bottom removably mounted on the container, a vertical spindle on the bottom engageable in a roll of paper, said container having a relatively small circular opening in one side thereof substantially midway between its top and bottom for the passage of the paper therethrough and further having a slot extending from the open bottom of said container to the opening for inserting the paper in said opening, and a substantially segmental, toothed tearing lip projecting from the container at the opening.

2,382,660

TREATMENT OF OPTICAL SURFACES

Harvey Larry Penberthy, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 27, 1943, Serial No. 484,775
5 Claims. (Cl. 88—57)



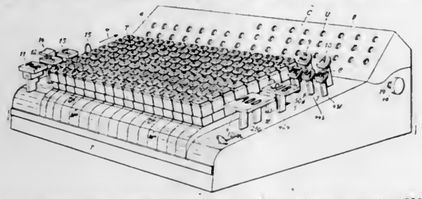
1. The method of treating an optical glass surface that comprises bathing it in hydrofluoric acid to attack surface irregularities and removing the waste products thus formed with perchloric acid.

2,382,661

CALCULATING MACHINE

August Friedrich Pott, Zella-Mehlis II, Germany; vested in the Alien Property Custodian
Application December 19, 1939, Serial No. 310,080
In Germany December 30, 1932
33 Claims. (Cl. 235—73)

1. In a calculating machine capable of addition and subtraction; the combination with a keyboard including value keys for setting up the factors of a multiplication problem; value-selecting means controlled by said value keys; differential actuators to co-act with said value-selecting means; a drive for the differential actuators; and a totalizer operable by the differential actuators; of a multiplier-representing mechanism including normally idle connecting means between the totalizer and the multiplier-representing mechanism; a

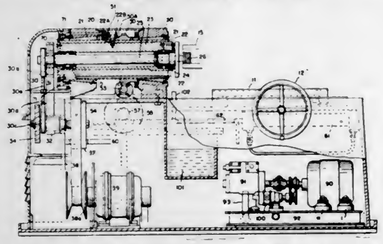


manipulative member; a function-controlling member axially shiftable by the manipulative member in one direction to connect it with said drive, and rotatable by said drive; and means operable by the function-controlling member when connected with said drive, to render said normally idle connecting means effective to transmit from the totalizer to the multiplier-representing mechanism a movement of predetermined extent.

2,382,662

THREAD MILLING MACHINE

Albert J. Prance, Detroit, Mich., assignor to Murchey Machine & Tool Company, Detroit, Mich., a corporation of Michigan
Application February 2, 1942, Serial No. 429,240
3 Claims. (Cl. 90—11.56)



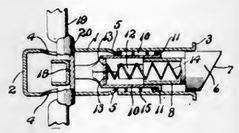
1. In a thread milling machine, having a pair of eccentric sleeves, one within the other, and a cutter carrying spindle rotatably mounted within said sleeves, means for relatively rotating said sleeves and then rotating said sleeves as a unit, said rotating means including a reversible hydraulic motor having cam actuated means for changing the speed thereof at a predetermined time during the forward or feeding portion of the cycle of operations.

2,382,663

LATCH

Herbert Quigley and Herman Ter Meer, Grand Rapids, Mich., assignors to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application May 29, 1944, Serial No. 537,820
4 Claims. (Cl. 292—169)

1. In a latch construction, a cylindrical housing having an open end and having inwardly pressed stops at its sides intermediate said ends, a latch bolt including a cylindrical barrel located within said housing, said barrel at its outer end having an outwardly extending flange, a coiled spring around said barrel between said flange and said stops, a keeper engaging head operatively associated with said barrel and having a telescoping portion extending into the barrel and a

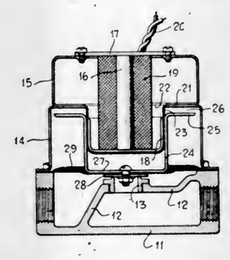


light spring between said head and the barrel normally moving the head in an outward direction.

2,382,664

ELECTROMAGNETIC OPERATOR

William A. Ray, Los Angeles, Calif.
Application November 23, 1942, Serial No. 466,636
13 Claims. (Cl. 175—336)

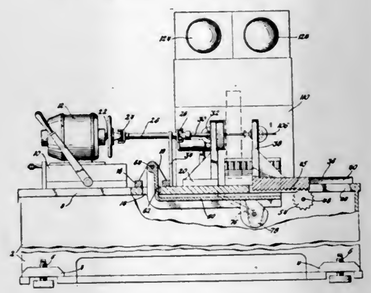


1. In an electromagnetic operator of the single working-gap type: a core member having a generally cup-shaped outer portion and an inner portion extending substantially centrally from the end wall of the outer portion to define therewith a space for an energizing coil winding, said cup-shaped portion having a flange extending from its open end to form a pole face of substantial area; an armature reciprocable with respect to said inner core portion and in good flux-transfer relation thereto, said armature having a surface defining with said pole face a working-gap; and a coil winding in said space.

2,382,665

BALANCING MACHINE

Earl F. Riopelle, Detroit, and Kauno E. Sihvonen, Dearborn, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 14, 1942, Serial No. 468,878
5 Claims. (Cl. 73—66)

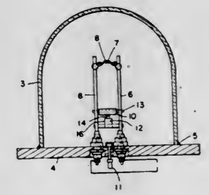


1. In a balancing machine, a base, a vertical bracket fixedly supported on the base, a second vertical bracket slidably mounted on the base, a series of rack teeth on the lower face of the second bracket, a manually rotatable gear engaging with the rack teeth to cause the bracket to be moved back and forth, aligned bearing members carried by the brackets and adapted to support a test rotor, a pivoted plate mounted below the top of the base and having portions extending up on both sides of the brackets, rollers carried by these portions to engage the rotor periphery and allow the same to be easily moved axially for insertion in the bearing members, and means for lowering the plate when the rotor is in its proper position.

2,382,666

MANUFACTURE OF DIAMOND TOOLS

Ignatius A. Rohrig and Norman A. Kerstein, Detroit, Mich.
Application December 13, 1943, Serial No. 514,176
11 Claims. (Cl. 51—309)

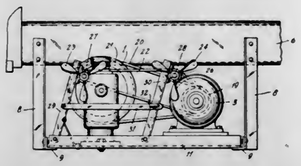


1. The method of making a diamond tool having a body comprising matrix material and diamonds anchored to the matrix material which comprises cleaning the surfaces of the diamonds, depositing on the cleaned diamonds layers of metal in the form of very small particles under sub-atmospheric pressure, then placing the diamonds in matrix material, and bonding their metal layers to the matrix material.

2,382,667

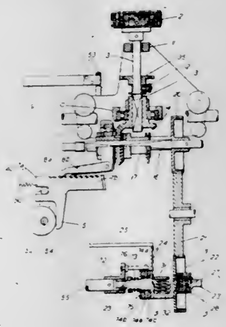
REFRIGERATING SYSTEM FOR MOTOR VEHICLES

William Ryan, Jr., University City, and Alfred C. Ratermann, St. Louis, Mo.; said Ratermann assignor to said Ryan, Jr.
Application April 26, 1943, Serial No. 484,556
3 Claims. (Cl. 62—117)



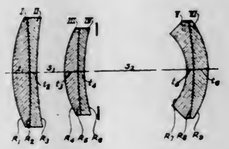
1. In a refrigerating system for a motor driven vehicle having a frame and a propeller shaft longitudinally of the frame, the combination comprising a supporting frame suspended below the vehicle frame, a speed reducer mounted in the supporting frame to one side of the propeller shaft, a compressor mounted in the frame on the opposite side of said shaft, the speed reducer and compressor being mounted and arranged so that a driven shaft of the reducer is coaxial with and connected to a driving shaft of the compressor, said axis being crosswise of the vehicle, and a belt driven by the propeller shaft and driving the speed reducer.

2,382,668
SHOCK-ABSORBING MEANS ESPECIALLY SUITABLE FOR USE WITH TYPE WHEELS IN PRINTING APPARATUS
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, Surrey, England, a British company
Application January 12, 1944, Serial No. 517,910
In Great Britain January 29, 1943
16 Claims. (Cl. 197—44)



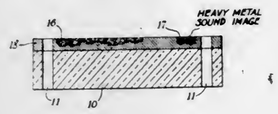
1. Printing telegraph apparatus including a continuously rotating shaft, a typewheel, a clutch for intermittently driving said typewheel from said continuously rotating shaft, a stop arm driven through said clutch, a plurality of stops, means for selectively positioning a predetermined one of said stops in the path of said stop arm, a resilient connection between stop arm and typewheel for accumulating the energy of the typewheel when stopping occurs and returning thereto at least a portion of said energy, damping means for dissipating the returned energy of said typewheel, and latch means for preventing rebound of said stop arm from said predetermined stop.

2,382,669
TELEPHOTO LENS
Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 24, 1942, Serial No. 440,291
13 Claims. (Cl. 88—57)



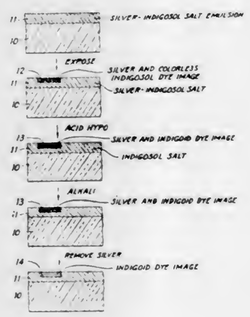
1. A telephoto objective comprising three air spaced components two of which have positive power and the rear one of which has negative power, the separation of the middle and rear components being between .1F and .5F where F is the focal length of the objective and the separation of the front and middle components being between .04F and .25F, and being less than the first-mentioned separation and the front surface of the middle component being convex to the front.

2,382,670
MOTION PICTURE SOUND RECORD
Merrill W. Seymour and Willard D. Peterson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 12, 1942, Serial No. 468,786
6 Claims. (Cl. 101—149.1)



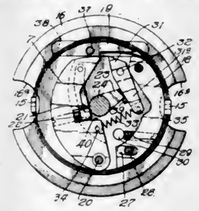
1. The method of recording sound photographically which comprises forming a relief image of the sound, treating said relief image with an organic compound containing a heterocyclic nucleus having an NH group not more than two atoms distant from an atom which has an unshared pair of electrons, said compound being adapted for imbibition printing and capable of forming a non-diffusible salt of a metal, transferring said compound from said relief image to an imbibition blank, reacting said transferred compound with a salt of a heavy metal capable of forming a non-diffusible salt with said organic compound to form a sound image of the metal salt of said compound, and treating said image with a solution reducing it to a metal sound image.

2,382,671
DIRECT METHOD OF PRODUCING COLOR PICTURES
Merrill W. Seymour and Richard V. Young, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 17, 1942, Serial No. 447,314
2 Claims. (Cl. 95—88)



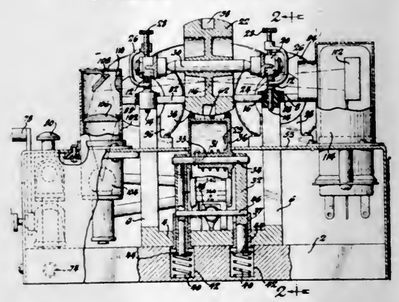
1. The method of forming a colored image in a photographic gelatin layer containing a light sensitive silver salt of an ester of the leuco compound of a vat dye, which comprises exposing said layer to form an image of silver and a colorless form of a vat dye, treating said exposed layer with acid solution to convert said image of a colorless form of a vat dye to a colored form, treating the layer with a fixing solution and an alkali solution to remove unexposed silver-leuco vat dye ester salt, and removing any silver in the layer.

2,382,672
TIRE BEAD FORMER
Florain J. Shook, Akron, Ohio, assignor to National-Standard Company, a corporation of Michigan
Application December 24, 1942, Serial No. 469,987
2 Claims. (Cl. 154—9)



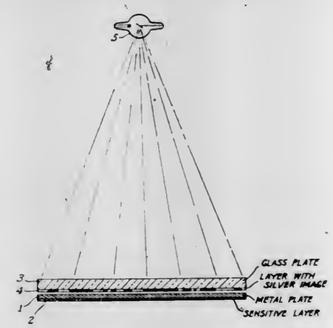
1. A device of the character set forth, comprising: a driven drum having a fixed section and a collapsible section pivotally mounted for radial inward movement from the normal periphery of said drum, the inner face of said fixed section serving as an anvil for a gripper arm; a gripper arm pivotally mounted in said drum to swing towards said anvil; a tension spring connecting said gripper arm and collapsible section together so as to urge the gripper arm to gripping position and said collapsible section inwardly from the periphery of the drum; and a manually oscillatable cam axially disposed within said drum, said cam being adapted in one position to engage and hold the gripper arm out of gripping position, and the cam in a rotationally opposed position being adapted to hold said collapsible section in the normal periphery of the drum.

2,382,673
BALANCING MACHINE
Kauno E. Sihvonen and Earl F. Riopelle, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 30, 1942, Serial No. 467,434
9 Claims. (Cl. 73—66)



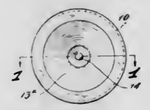
1. In means for balancing a rotating part, means for resiliently supporting and rotating said part, means energized once during each revolution of the part to provide an index point, pick-up means energized by vibration of the supporting means, indicating means connected to both the cyclically energized means and the pick-up means and rotatable protractor means normally out of contact with the rotating part but capable of being brought into contact at a definitely predetermined point, said protractor being calibrated proportionately to the indicating means so that when the protractor and the part are engaged and rotated a point of vibration will be angularly located on the part as indicated by the indicating means without removing the part.

2,382,674
METHOD OF MAKING IMAGES ON METAL PLATES
Cyril J. Staud, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 27, 1942, Serial No. 456,372
2 Claims. (Cl. 250—65)



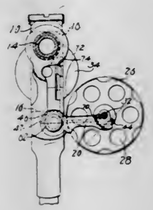
1. The method of making a relief image on a metal plate that comprises coating one surface of said plate with a sensitive layer, placing on the other side of the metal plate a layer transparent to X-rays carrying an image consisting of a metal more absorptive of X-rays than is the metal of the plate, passing X-rays through said image and the metal plate to the sensitive layer and processing the sensitive layer to form a relief image therefrom.

2,382,675
METHOD OF STORING AND FILLING BATTERIES
Edwin M. Sutherland, East Cleveland, and Clarence H. Endress, Cleveland Heights, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 26, 1943, Serial No. 477,198
4 Claims. (Cl. 136—162)



2. The method for preventing the deterioration of one or more batteries until use and providing rapid filling thereof when the battery or batteries are to be used, each of which batteries includes a battery case provided with one or more open filler openings, said method comprising placing the battery or batteries in a container, creating a vacuum in said container, sealing the container after the vacuum is established, and when the battery or batteries are to be used breaking the seal of the container while in communication with a supply of electrolyte at the point where the seal is broken whereby the electrolyte passes into said container and enters the battery case or cases through said filler opening or openings, and then removing the battery or batteries from the container.

2,382,676
REVOLVER CRANE LOCK
William L. Swartz, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application April 28, 1943, Serial No. 484,803
10 Claims. (Cl. 42—62)



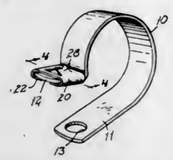
1. In a revolver, the combination of a frame, a cylinder, a crane pivotally carried by said frame, one end of said crane rotatably supporting said cylinder and also adapted to be moved laterally from said frame, a cylinder latch adapted to detachably retain said cylinder in operative position with respect to said frame, and a crane latch slidably carried by said crane and reciprocable in a direction transverse to the axis of said cylinder, said latch being adapted to engage said frame to detachably secure said crane in operative position with respect to said frame when the cylinder is disposed in said operative position.

2,382,677
LEADER CONTROL FOR FISHLINES
George N. Thomas, Mankato, Minn.
Application December 2, 1943, Serial No. 512,621
1 Claim. (Cl. 43—27)



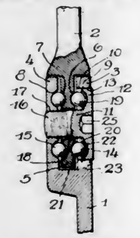
The combination with a fishing line, a stop thereon, and a sinker at one end of the line, of a float having a radial slot extending thereinto throughout its length proportioned to receive and loosely embrace a portion of the line, means at the ends of the float for encircling the line and guiding the float therealong, a fork straddling and pivotally connected to the float, and means for connecting a bait hook to the fork, said hook and fork constituting means for transmitting rotary and longitudinal movement to the float relative to the line when engaged by live bait.

2,382,678
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 9, 1942, Serial No. 442,335
1 Claim. (Cl. 248—74)



A fastening device comprising a loop with projecting arms having openings for the passage of a bolt and a nut detachably mounted on one of said arms, said nut comprising a clip formed of a strip of resilient sheet material doubled on itself by two return bends to provide an intermediate portion and two extreme portions substantially parallel with the intermediate portion and spaced therefrom and being formed with recesses in their ends, said clip embracing one of said arms, one of the extreme portions being deformed to engage the wall of the opening in said arm.

2,382,679
HINGE JOINT FOR ARTIFICIAL LIMBS
Jerry J. Tollman, Chicago, Ill.
Application August 14, 1944, Serial No. 549,415
4 Claims. (Cl. 287—100)

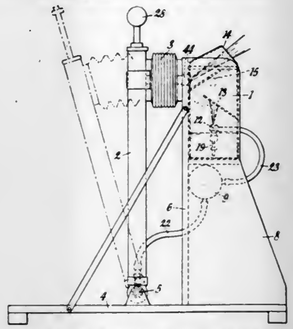


2. In a hinge joint provided with a pair of oppositely rotatable members, complemental raceways in said members, balls in said raceways, one of said raceways comprising a removable and replaceable washer, said washer having upstanding fingers projecting rearwardly away from the washer raceway, a cone member having threaded engagement with one of the rotatable members, said fingers being resilient and adapted to grip the cone member when the parts are properly adjusted to prevent looseness of the cone member.

2,382,680
BERYLLIUM COBALT ALLOY STEELS AND ARTICLES OF MANUFACTURE PRODUCED THEREFROM
Enrique G. Touceda and Ralph P. De Vries, Albany, N. Y., assignors to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application July 28, 1942, Serial No. 452,637
13 Claims. (Cl. 75—125)

1. An alloy tool and die steel containing from about .50 to about 14.00% of chromium, from about .10 to about 1.00% of cobalt, from about .05 to about 30% of beryllium and from about .25 to about 2.50% copper.

2,382,681
LIQUID ATOMIZER AND DIFFUSER
Vernon Anthony Trier, London, England
Application June 22, 1944, Serial No. 541,580
10 Claims. (Cl. 261—78)



1. A portable self-contained apparatus for sterilising the atmosphere and for like operations, which comprises a stand and mounted thereon, an enclosed compressed-air operated atomising unit operative to convert a liquid, drawn from a supply thereof in the apparatus, into an aerosol and to deliver the latter, unaccompanied by droplets of a size sufficiently large to render it sensibly wet, into the surrounding atmosphere by way of an outlet in the wall of the unit; an air pump connected to the atomising unit and operative to supply the same with air for its operation; said pump being of the reciprocating piston-and-barrel type; means for mounting said pump for pivotal movement with respect to said stand; a blower connected to a discharge nozzle adjacent the outlet and operative to deliver thereto a supply of air for the formation of an air blast from the nozzle effective to project the aerosol forwardly from the outlet into the surrounding atmosphere, and means common to the air pump and the blower for manually reciprocating the piston within the pump and for rocking the pump about its pivotal mounting, said means being effective to operate said blower.

2,382,682
FOOD PRODUCT
Edward Van Dellen and Richard N. Ball, Visalia, Calif.
No Drawing. Application July 28, 1942, Serial No. 452,612
7 Claims. (Cl. 99—100)

2. The method of forming a substitute food product for pimiento material, which consists in first selecting a fruit tissue characterized in that it is firm in texture and without pronounced characteristic flavor of its own, cutting the tissue to size, dyeing and fixing the color in the tissue to match the color of natural pimiento, then placing said dyed tissue in a brine solution containing natural pimiento material.

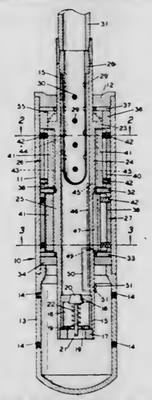
2,382,683
CONCENTRATED SELENIUM TONER AND PROCESS OF MAKING
Walter V. Wadman and Lionel D. Butcher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 30, 1942, Serial No. 449,182
7 Claims. (Cl. 95—88)

1. An aqueous concentrated selenium toning solution adapted to be diluted with water to many times its original volume to form a photographic toning bath, said concentrate including an aqueous solution of a selenium compound having a toning action, and a nitrogen-containing thiosulfate, and having sufficient acidic substance present to give a pH range of about 6.5 to 8.5, the selenium compound being present in an amount sufficient to give between about 1 and 1.5% selenium content, the nitrogen-containing thiosulfate in an amount between about 30 and 45% and all of the constituents being substantially completely dissolved in the water and being present in such high concentration that the concentrate can be diluted with water equal to many times its volume to form a satisfactory toning bath.

2,382,684
RUBBERLIKE POLYMERIC MATERIALS AND METHOD FOR PRODUCING THE SAME
Herbert W. Walker, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1942, Serial No. 447,666
16 Claims. (Cl. 260—92.7)

1. Process for making a plastic synthetic rubber-like material which comprises polymerizing, in aqueous dispersion and in the presence of a member of the group consisting of diazonium salts and compounds capable of generating diazonium salts under the reaction conditions, a polymerizable material which is preponderantly a compound of the group consisting of polymerizable acyclic 1,3-diene hydrocarbons and their monohalogen derivatives.

2,382,685
ROTARY JET GUN
Edward N. Washburn, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 14, 1941, Serial No. 402,371
4 Claims. (Cl. 166—20)

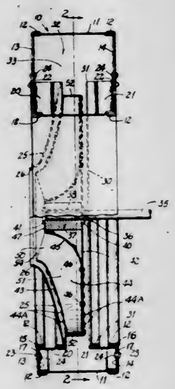


1. A well tool of the character described comprising a housing, means dividing said housing into an upper chamber and a lower chamber, fluid conducting means for introducing fluid under pressure into both chambers, a fluid motor in the upper chamber operated by the fluid under pressure therein for rotating said housing, a discharge conduit from said motor opening into the lower chamber, and discharge means in the wall of the part of the housing forming the lower chamber to discharge the fluid therefrom.

2,382,686
METHOD OF MAKING 4-METHYL-PHENYL-ACETONE
Wilhelm Wenner, Montclair, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 16, 1942, Serial No. 434,954. In Switzerland March 19, 1941
1 Claim. (Cl. 260—590)

A method of making 4-methyl-phenyl-acetone, which comprises heating 4-methyl-benzyl-cyanide with ethyl-acetate in an alcoholic solution of sodium alcoholate, and heating the resultant alpha-(4-methyl-phenyl)-acetoacetonitrile with acid to effect saponification of the cyano group.

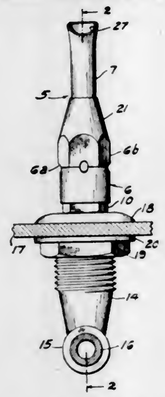
2,382,687
HIGH-PRESSURE BLOWER
Edmond Bryan Williams, Litchfield, Conn., assignor to The Torrington Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application July 31, 1943, Serial No. 497,139
7 Claims. (Cl. 230—133)



1. In a blower assembly, a blower wheel of light-weight, shrouded type, a scroll housing formed of sheet metal and substantially enclosing the wheel, the wheel being of substantially lesser axial dimension in its peripheral portion, than the normal width of the housing, the housing including a perimetral scroll strip and a pair of side plates crimped into securement with the strip along the side margins thereof so as to provide a multiple-fold lock seam extended continuously along the lateral margins of the housing, providing a stiffening reinforcement therealong, a pair of inset housing members, one at each side of the blower wheel, and extended inwardly of each side of the housing, each said inset member including a cylindrical rim and a flange, the flange being crimped into engagement with the rim through a multiple-fold lock seam, and the flange of each inset being provided with holding members engaging the side walls of the housing.

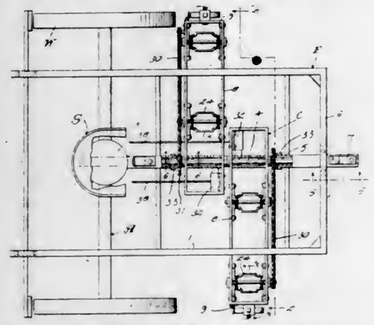
2,382,688
JET NOZZLE
Raymond W. Wilson, Glendale, Calif.
Application September 11, 1944, Serial No. 553,577
2 Claims. (Cl. 299—154)

1. In a device of the kind described, a nozzle body for screwing onto the externally screw-threaded portion of a jet piece so as to produce an annular passage between said nozzle body and said jet piece, there being liquid intake passages leading through said nozzle body into said annular passage, a tubular nozzle discharge part, said nozzle body being cylindrical and having a frusto-conical upper end portion to the upper end of which said tubular discharge part is secured, said frusto-conical part acting as a reducer between the body portion of the nozzle and its said tubular discharge part, said nozzle



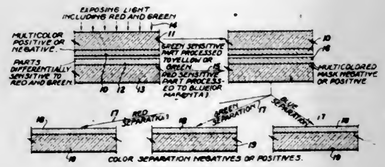
discharge part having a deflected discharge portion provided with a mouth shaped as an ellipse one side of which is flattened parallel to its long axis, said flattened side being uppermost, said mouth being so positioned in relation to the axis of said nozzle discharge part that a conically expanded body of spray directed through said mouth by the deflected nozzle discharge part will act to produce a differential in pressure which will prime the nozzle, by entraining liquid through the aforesaid liquid intake passages.

2,382,689
CHOPPER OR BLOCKER APPARATUS
James H. Yates and Mildred Thomas, Danville, R. I.
Application April 29, 1943, Serial No. 485,088
3 Claims. (Cl. 97—20)



1. An implement of the class described comprising a portable body, a drive shaft carried thereby and extending in the general direction of travel of said body, an elongated frame disposed substantially horizontally laterally with respect to the body, means for pivotally supporting one end portion of said frame upon the shaft to allow the outer portion of such frame to have up and down swinging movement, chopper elements carried by the frame for movement in a continuous and substantially vertical path of travel, means for driving said chopper elements from the drive shaft, and a counterbalance carried by the inner portion of the frame upon the side of the shaft opposite from said outer portion.

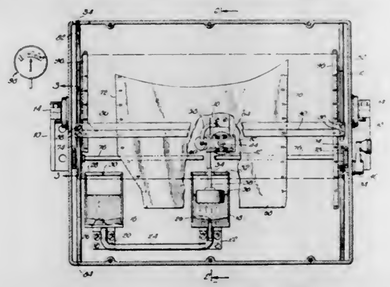
2,382,690
COLOR REPRODUCTION
John A. C. Yule, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 1, 1942, Serial No. 437,156
29 Claims. (Cl. 95—2)



1. In a process for making a subtractive multicolored picture from a multicolored record in which process at least two primary color separations must be modified each in accordance with at least one different primary color separation by factors equivalent to the unwanted absorptions of the primary color in each case by the coloring material complementary to said different primary color used in making said muticolored picture, the method of modifying the record while printing therefrom so that exposures made therethrough will be color corrected which method includes the steps of placing in printing relation to the record a material, separate parts at each point of which are sensitive to light of the different primary colors, exposing said parts through the record to light including said different primary colors, processing the material to a multicolored mask for the record by processing said parts to differently colored images negative to the record, the parts whose exposures correspond to said different primary color separations being processed to colors which absorb the primary color to be correspondingly corrected and to gammas approximately equal to the corresponding unwanted absorption factors and printing from the multicolored record a color separation of each primary color while holding said mask in optical register to the record.

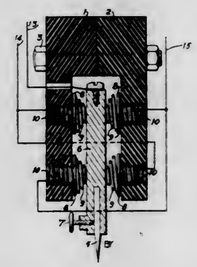
2,382,691
FORE-AND-AFT DRAFT INDICATOR
Francis L. Corbin, Chatham, N. J., assignor to Pitometer Log Corporation, New York, N. Y., a corporation of New York
Application July 4, 1942, Serial No. 449,734
11 Claims. (Cl. 73—178)

1. In a fore and aft draft gage for a ship, a pivotally mounted member having fore and aft draft scales adjacent to opposite ends thereof, the horizontal distance between said scales bearing a ratio to the actual length of the ship which is greater than the ratio which the height of the respective scales bears to the fore and aft draft of said ship, means for pivoting said member in response to variations in the inclination of the ship, the pivoting of said member being amplified with respect to the inclination of the ship in the same proportion as the first mentioned ratio bears to the second mentioned ratio, and



a member having a reference line cooperating with said scales for indicating directly thereon the fore and aft draft of the ship.

2,382,692
MECHANICAL-ELECTRICAL SOUND REPRODUCER
Georges Courcy, Le Pecq, and Marcel Paul Durand, St.-Germain-en-Laye, France; vested in the Alien Property Custodian
Application August 14, 1942, Serial No. 454,871
In France October 24, 1941
2 Claims. (Cl. 179—100.41)

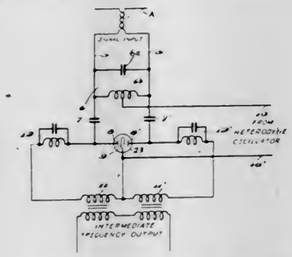


1. A mechanical electrical sound reproducer for phonographs comprising a casing formed of two blocks of insulating material secured together and forming an opening between them, a stylus holder extending into said opening and a plurality of opposed yielding variable resistance units between the walls of said opening and said holder for movably supporting said holder.

2,382,693
OSCILLATOR-MODULATOR CIRCUIT
Walter Dällenbach, Berlin W 35, Alfred Allerding, Berlin-Friedrichshagen, and Erich Huttmann, Berlin-Kopenick, Germany; vested in the Alien Property Custodian
Application February 24, 1941, Serial No. 380,368
In Germany February 24, 1940
11 Claims. (Cl. 250—20)

1. A device for superposition of two ultra-high-frequency oscillations, comprising a Lecher-system to which one oscillation is led, one conductor of the said Lecher-system branching into two conductors forming a second Lecher-system to which the other oscillation is led, a bridging device for said second Lecher-system said second Lecher-system oscillating with respect to the first Lecher-system in such manner that the two con-

ductors of the branching system oscillate in push-pull with respect to said bridge device, and both



together oscillate rhythmically with respect to the other conductor of the first Lecher-system.

2,382,694

LUBRICANT MANUFACTURE

Ralph E. Darley, Glen Burnie, Md., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 5, 1942, Serial No. 467,988
4 Claims. (Cl. 252—35)

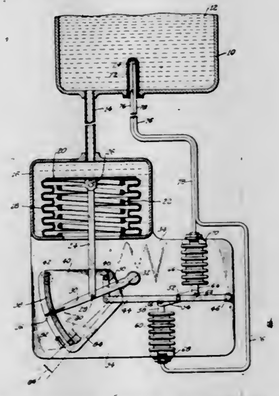
1. The method of manufacturing an aluminum soap grease which comprises saponifying a saponifiable material with gelatinous hydrous aluminum hydroxide containing enough water to give it a gel-like consistency in the presence of at least an amount of lubricating oil equal to the volume of the saponifiable material.

2,382,695

TANK CONTENTS GAUGE WITH CORRECTION FOR TEMPERATURE

Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application November 27, 1941, Serial No. 420,666
3 Claims. (Cl. 73—299)



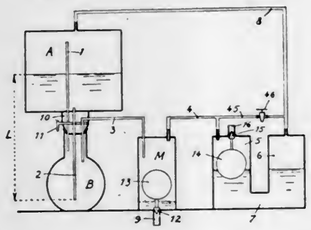
1. A tank contents gauge comprising in combination, an indicator comprising a pivoted pointer and means for causing said pointer to be solely responsive to change of static-head of liquid in the tank, said indicator having a pivotally mounted chart, and means responsive to change of temperature of said liquid for swinging said chart about its pivot in order to change the effective length of said chart, the pivot of said chart being spaced from the pivot of said pointer.

2,382,696

METHOD AND APPARATUS FOR FILLING CONTAINERS

Marie Joseph Maurice de Milleville, Paris, France; vested in the Alien Property Custodian

Application March 29, 1940, Serial No. 326,558
In Luxemburg April 1, 1939
12 Claims. (Cl. 226—115)



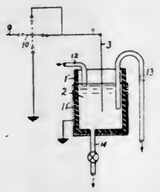
11. The method of filling a container with liquid from a tank containing the liquid and a gas under pressure in a substantially closed circuit in which the gravity flow of liquid from the tank is substantially dependent upon the pressure resulting from expulsion of the air and foam from the container, said method consisting in equalizing the pressures in the container and tank to permit liquid to flow from the tank by gravity into the lower part of the container in a manner to displace any air in the container to the upper part thereof, removing from the container the air and any foam due to the presence of the said gas in the liquid by venting the air, gas and foam from the upper part of the container into a portion of the circuit back to the tank, trapping the vented air, gas, and foam in a space in the circuit, said trapping being performed in a manner to produce discharge to waste of the foam from said space upon the accumulation of a predetermined amount of foam therein, and equalizing the pressures in said space and in said portion of the circuit leading back to the tank in a manner to produce discharge to waste of air from said space whenever the pressure therein exceeds that in said portion of the circuit, said equalizing being performed in a manner preventing return into said portion of the circuit of the air, gas or foam withdrawn from said container.

2,382,697

PROCESS FOR ELECTRICAL DEHYDRATION OF PETROLEUM EMULSIONS

Walther Deutsch, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian

Application April 13, 1938, Serial No. 201,844
In Germany September 1, 1937
1 Claim. (Cl. 204—191)



A process for dehydrating a petroleum emulsion, which comprises forming a condenser by placing the emulsion in a dielectric container having a grounded external conductive coating and an electrode in contact with the emulsion, charging this condenser by connecting the said electrode and coating with a source of rectified alternating current, then discharging this condenser by grounding the electrode and repeating the charging and discharging periodically.

2,382,698

HYDRAULIC MEDIA

Theodore R. Donlan, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 29, 1940, Serial No. 343,159
4 Claims. (Cl. 252—75)

1. An anti-freeze solution suitable for use at low atmospheric winter temperatures in automobile engine cooling systems which comprises a mixture of specific gravity of about 1.0775 of ethylene and propylene glycols and water as main constituents, to which are added sodium carbonate and disodium phosphate in amounts to exert buffer action for the pH range of from 10 to 11.5, cyclohexylamine in corrosion inhibiting proportions and a butyl phthalate in an amount of about 0.2% by weight.

2,382,699

SLUSHING OIL COMPOSITIONS

Gordon W. Duncan, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 2, 1941, Serial No. 372,831
1 Claim. (Cl. 106—14)

A slushing composition comprising a viscous petroleum fraction to which is added 5% degras, 10% of a 50% oil solution of sodium salts of oil-soluble sulfonic acids formed on treating petroleum stocks with concentrated sulfuric acid and 0.25% to 5% of dicyclohexylamine naphthenate.

2,382,700

COMPOUNDED LUBRICATING OIL

Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 31, 1943, Serial No. 516,545
11 Claims. (Cl. 252—45)

1. An organic material containing as an additive a small quantity, sufficient to substantially stabilize said material against oxidation, of an aliphatic mercaptan containing at least 5 carbon atoms per molecule and in which a sulhydryl group is joined to a carbon atom which is in turn joined to at least 2 other carbon atoms which are parts of aliphatic groups.

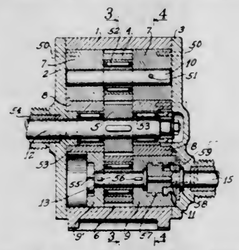
2,382,701

GEAR PUMP

Fritz Egersdörfer, Berlin, Germany; vested in the Alien Property Custodian

Original application May 9, 1939, Serial No. 272,652. Divided and this application January 31, 1942, Serial No. 429,040. In Germany May 12, 1938
1 Claim. (Cl. 103—120)

In a gear pump, the combination of a casing; a gear rotatably mounted in said casing; a second gear rotatably mounted in said casing and meshing with the first gear, said gears being relatively axially immovable; means for driving said second gear; inlet and outlet ports for supplying fluid to and from said gears; a bushing slidably mounted in said casing and having an internally threaded bore; a shaft rotatably mounted and axially immovable in said casing, and provided with a nut threaded in said bore; a shaft mounted in said



bushing; a third gear mounted on the shaft which is mounted in the bushing, and meshing with the second gear; and inlet and outlet ports for supplying fluid to and from said second and third gears.

2,382,702

PROCESS FOR THE PRODUCTION OF OXIDIC PROTECTIVE LAYERS ON MAGNESIUM OR ITS ALLOYS

Gerhard Elssner and Ernst Schröder, Leipzig, Germany; vested in the Alien Property Custodian

No Drawing. Application April 10, 1939, Serial No. 267,207. In Germany April 9, 1938
2 Claims. (Cl. 204—32)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

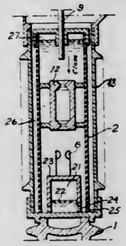
1. In a process of providing articles of magnesium with an oxidic layer by anodic treatment in electrolytes and subsequent treatment with an impregnating medium that improvement which consists in the step of subjecting the articles to the action of a solution composed of about 200 grams of ammonium chloride per liter of water, in the absence of an electric current prior to the anodic oxidation.

2,382,703

CIRCUIT BREAKER

Aimé Estienne, Lyons, France; vested in the Alien Property Custodian

Application September 30, 1942, Serial No. 460,231
In France June 18, 1941
11 Claims. (Cl. 200—150)



1. In an electric circuit breaker, the combination of an exterior cylinder; an arc-extinguishing chamber within said cylinder, closed at both ends and having its lateral walls spaced from those of said cylinder, said cylinder and said arc-extinguishing chamber containing oil; arc-drawing means comprising a fixed contact mounted in said arc-extinguishing chamber and a cooperating movable contact having a sliding fit in an end wall of said arc-extinguishing chamber; suitable ports in the wall of said arc-extinguish-

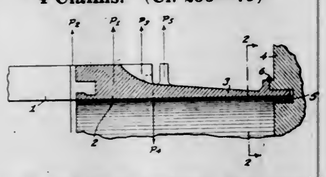
ing chamber, for equalizing the oil levels in said cylinder and in said arc-extinguishing chamber, thus to avoid transmission of pressure waves to said cylinder upon rupture of the arc; means at one end of said arc-extinguishing chamber, yieldingly to support said chamber in the oil in said cylinder, for movement axially of the latter upon rupture of the arc.

2,382,704
THREAD
François Feron, Landigou, France; vested in the Alien Property Custodian
Application February 1, 1943, Serial No. 474,322
In France April 1, 1941
2 Claims. (Cl. 57—144)



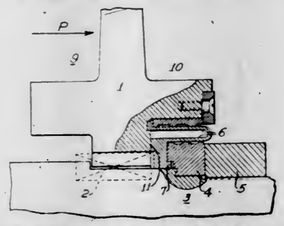
1. A compound thread comprising a strand of soft fibrous material such as Angora hair having a low tensile strength, and a fine textile reinforcing thread having a relatively high tensile strength twisted with said strand, said reinforcing thread being completely embedded within the fibers of said soft strand, whereby the periphery of the compound thread will be formed entirely from said soft fibrous material.

2,382,705
STEAM TURBINE
Ernst Gente, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application January 3, 1941, Serial No. 373,058
In Germany December 16, 1939
4 Claims. (Cl. 253—79)



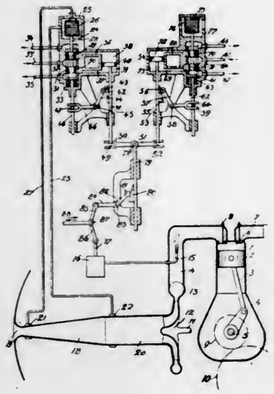
1. In a radial flow turbine, the combination of a radially extending rotor disc; a cylindrical blade ring; a plurality of turbine blades carried by said ring; and an elastic ring formed integral with said blade ring and secured to said disc, said elastic ring having a face tapered from the blade ring to the disc, on a curve corresponding to the curve of the moments set up in said elastic ring by the operation of the turbine.

2,382,706
SEALING ARRANGEMENT FOR CENTRIFUGAL MACHINES
Ernst Gente, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application September 29, 1941, Serial No. 412,906
In Germany August 21, 1940
7 Claims. (Cl. 253—39)



1. In a sealing arrangement for steam turbines with radial admission of the working medium, the combination of a disk limiting the space to be sealed, and exposed to a lateral overpressure, said disk being provided with a sealing surface; and a ring mounted on the turbine shaft and provided with a continuous surface against which the sealing surface of the disk is pressed by the lateral overpressure, said sealing surface of the ring being dimensioned in such a manner that it produces the surface pressure necessary for the seal in the case of the smallest overpressure to be expected in operation.

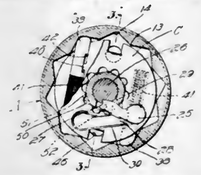
2,382,707
DEVICE FOR REGULATING INTERNAL-COMBUSTION ENGINES
Fritz Gosslau, Berlin-Charlottenburg, Johannes Schmidt, Berlin-Eichkamp, and Werner Zarnack, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Original application October 7, 1938, Serial No. 233,728, now Patent No. 2,297,213, dated September 29, 1942. Divided and this application May 20, 1941, Serial No. 394,324. In Germany October 8, 1937
11 Claims. (Cl. 123—178)



1. In combination with an internal combustion engine, a controllable pitch propeller driven by said engine, a setting device for adjusting the pitch of said propeller, an ignition device for said engine, a fuel pump, a cooling apparatus for said engine, a charger comprising an air intake, an auxiliary motor for said charger, means for continuously measuring the weight of the air passing through said air intake, means to automatically control in accordance with the measured weight of the air said fuel pump, said setting device for setting the propeller pitch, said auxiliary charger motor, said cooling apparatus, and said ignition device, and means for operatively connecting said control means with each of said devices controlled thereby.

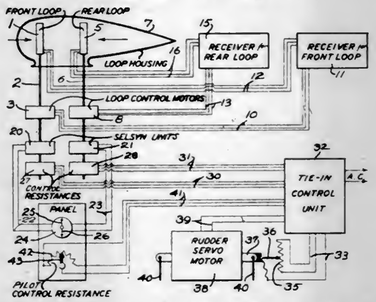
2,382,708
RESETTABLE COUNTER
Sterling Graydon, Jr., Hartford, and Harvey N. Bliss, Windsor, Conn., assignors to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application October 30, 1942, Serial No. 463,876
3 Claims. (Cl. 235—131)

1. In a resettable counter, a reset shaft having a reset groove; and a counter unit journaled on said shaft, said counter unit comprising a numeral wheel rotatably mounted on the shaft and having a web and a peripheral flange carried by the web and provided with internal ratchet teeth, a spring pressed reset pawl carried by said wheel and arranged to engage said shaft and cooperate therewith during a resetting operation, a gear member having a disk portion located within said peripheral flange and provided on its inner face with chordally disposed grooves opening into the periphery of



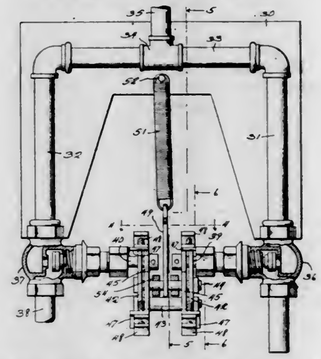
the disk, spring pressed ratchet pawls in said grooves and having their outer ends engageable with said ratchet teeth, and a plate interposed between the opposing faces of said disk and web and associated with said disk so as to rotate therewith, said plate having a central opening provided with spaced notches in its periphery and said reset pawl having a projection extending into the plane of said plate and arranged to engage in said notches to lock said wheel to said gear member when said pawl is not engaged in the reset groove of said shaft.

2,382,709
RADIO DIRECTIONAL CONTROL SYSTEM FOR VEHICLES
George B. Greene and Ralph W. Goble, Long Beach, Calif.
Application June 23, 1941, Serial No. 399,326
20 Claims. (Cl. 250—2)



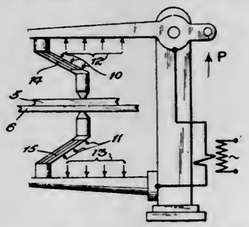
1. The method of controlling the steering means on a dirigible vehicle so as to maintain the latter substantially on a true course determined by a pair of substantially non-directional radio transmitters operating at spaced points on said course and emitting signals characteristic of each transmitter, said vehicle being provided with a pair of right and left indicating radio direction finder systems, each system including a directional element separately rotatable with respect to an axis of said vehicle, which comprises the steps of tuning each of said direction finders respectively, to receive signals from a different one of said transmitters, rotating each of said directional elements with the output of its associated direction finder system to a predetermined position with respect to the station transmitting the signal received by the direction finder system, creating a current in accordance with the position of both elements, and controlling the steering means with said modified current.

2,382,710
PILOT VALVE FOR OIL AND GAS SEPARATORS
Frederick T. Haddock, Texon, Tex.
Application August 14, 1942, Serial No. 454,881
3 Claims. (Cl. 74—97)



1. Mechanism for actuating a pair of control shafts between limits, the shafts being in end opposed, spaced relation, comprising a rock shaft, means for rocking the same, a crank connected with said rock shaft, a pull link connected at one end with the crank, means connected between the other end of the pull link and the control shafts for imparting turning movement to the control shafts upon swinging movement of the crank, said pull link when shifted in one direction effecting the turning of one control shaft in one direction and the turning of the other control shaft in the opposite direction and when shifted in the opposite direction effecting the reverse turning of each of the said control shafts.

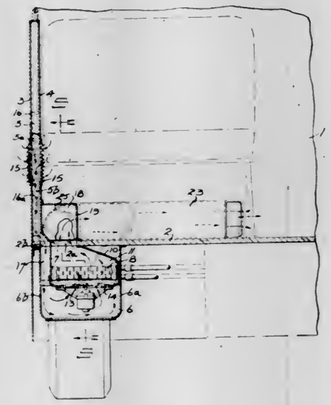
2,382,711
DEVICE FOR ELECTRIC RESISTANCE WELDING
Gerhard Hagedorn, Berlin-Lichterfelde-West, Germany; vested in the Alien Property Custodian
Application February 11, 1941, Serial No. 378,465
In Germany January 11, 1940
2 Claims. (Cl. 219—4)



1. In an electric welding apparatus, at least two substantially rigid conducting arms, an electrode for and electrically connected to each of said arms, said electrodes being adapted to engage work pieces to be welded, all forming parts of an electrical circuit for supplying current to said work pieces, means attached to said arms for flexibly supporting and moving said electrodes individually in a yielding engagement with said work pieces, each of said flexible supporting means forming an acute angle with respect to its supporting arm with the result that the magnetic flux set up by the current flowing in said flexible supporting means reacts with the flux

set up by the current flowing in its supporting arms to move said electrodes by flexing their flexible supporting means towards the work pieces, whereby the pressure of said electrodes upon the work pieces is increased by electromagnetic reaction.

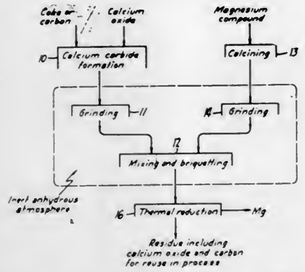
2,382,712
HEATER ARRANGEMENT
Edmund E. Hans, Detroit, Mich.
Application December 31, 1942, Serial No. 470,782
6 Claims. (Cl. 98—2)



1. A heater arrangement including a casing open at the top and closed at the bottom, a vertical partition extending longitudinally in the casing spaced from one side thereof and forming an inlet for a downward flow of air between it and said side, said partition terminating above the bottom of the casing, a horizontal heater core extending between the partition and the opposite side of the casing, end walls spaced from the casing ends projecting upwardly from the ends of the heater core and extending from the partition to said opposite side, a deflector plate having its lower margin mounted between the core and said opposite casing side and being upwardly flexed towards the partition, said partition, plate and end walls defining a discharge chamber over the heater core and having an outlet extending between the partition and said plate, the sides of said chamber above the heater core being spaced from the outer walls of said casing thereby insulating said chamber from outside air, and means for discharging air upwardly through the core and chamber.

2,382,713
PROCESS FOR MANUFACTURING MAGNESIUM
Fritz J. Hansgirg, San Mateo, Calif., assignor to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application July 12, 1941, Serial No. 402,161
2 Claims. (Cl. 75—67)

2. In a process for the manufacture of metallic magnesium by thermal reduction of solid phase magnesium oxide with solid phase calcium carbide, the steps of forming a totally anhydrous magnesium oxide by calcining a magnesium compound at an elevated temperature, passing the oxide through a grinding operation to produce a relatively finely ground magnesium oxide, mixing and briquetting the ground magnesium oxide with solid phase divided calcium carbide, subjecting the briquets to thermal reduction at an elevated

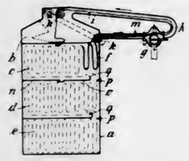


temperature and under a partial vacuum for evolution of magnesium vapor, and enveloping the aforesaid grinding and briquetting operations in an inert anhydrous atmosphere.

2,382,714
DISSOLVING, SOFTENING, GELATINIZING, AND SWELLING AGENTS
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, Anhalt, Wilhelm Kaiser, Dessau, Anhalt, and Rudolf Endres, Dessau-Rosslau, Anhalt, Germany; vested in the Alien Property Custodian
No Drawing. Application July 25, 1939, Serial No. 286,358. In Germany July 27, 1938
6 Claims. (Cl. 260—36)

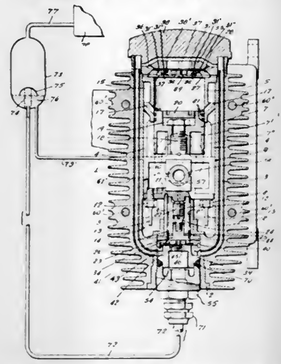
1. A plastic composition comprising a plastic base material selected from the group consisting of cellulose ethers, cellulose esters, and resins, and as a plasticizing agent for said base material, a heterocyclic compound composed of a single heterocyclic nucleus having as a part of its nuclear ring structure at least one —C(SR)=N— group in which R is a hydrocarbon radical.

2,382,715
AMMUNITION CONTAINER FOR AIRCRAFT
Heinrich Hertel, Rostock, Germany; vested in the Alien Property Custodian
Application June 10, 1939, Serial No. 278,498
In Germany December 3, 1937
5 Claims. (Cl. 89—34)



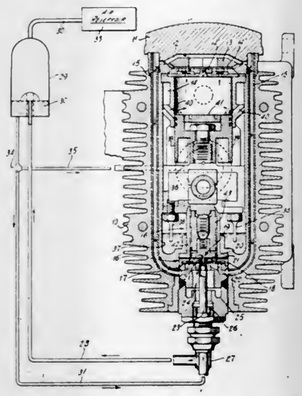
1. An ammunition container, especially for machine guns of aircraft, comprising a box shaped receptacle adapted to receive a full cartridge band in a plurality of layers, means located at a wall of said receptacle for guiding the empty band into the space being vacated by withdrawal of the full band during firing operations, a flexible band extending across the space inside the receptacle secured at opposite ends to different walls thereof and dividing the interior of said container into a compartment for the full band and a second and separate compartment for the empty band, and a slide in the container adapted to shift the flexible band progressively as the full band runs out of the container.

2,382,716
COMPRESSOR
Nicolas Herzmark, New York, N. Y.
Application February 10, 1943, Serial No. 476,241
12 Claims. (Cl. 230—181)



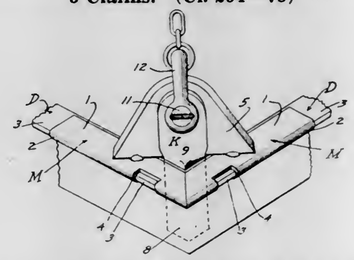
1. In gas compressing apparatus having at least two stages of compression, one being a high pressure stage and the other a relatively low pressure stage and each having a cylinder and a piston, the improvement which comprises means for introducing oil into the low pressure cylinder, an inlet port for the high pressure cylinder, conduit means for passing the oil along with the compressed gas from the low pressure cylinder through the inlet port into the high pressure cylinder, discharge-port means for the high pressure cylinder, a valve member for opening and closing the discharge-port means, a space on the discharge side of the valve member into which the oil and compressed gas are passed when the discharge-port means is open, and means for maintaining a cooling oil in the space and in contact with the discharge-side of the valve member, whereby oil from the high pressure cylinder discharged through the discharge-port means contacts the valve member on the compression side and the cooling oil in the space contacts the valve member on the discharge side.

2,382,717
COOLING SYSTEM
Nicolas Herzmark, New York, N. Y.
Application January 31, 1944, Serial No. 520,526
8 Claims. (Cl. 230—172)



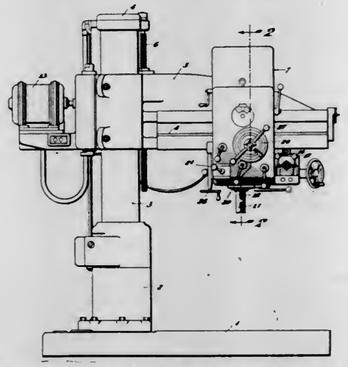
1. In a gas compressor having a piston and a cylinder for compressing the gas, the improvement which comprises a discharge-port means for the discharge from the cylinder of compressed and hot gas, a space contiguous with and on the discharge side of the port means, a valve seat for the port means, a lightweight flat valve member in the space which is characterized by a floating motion in moving into and out of engagement with the valve seat to close and open the port means, and means to introduce oil from the cylinder into the port means under the operation of the piston to interpose a body of oil between the valve member and the compressed hot gas.

2,382,718
LIFTING DEVICE
Walter S. Hickenlooper, Long Beach, Calif.
Application February 5, 1945, Serial No. 576,213
3 Claims. (Cl. 294—78)



1. A lifting device for a vent duct or the like having an outstanding outwardly disposed marginal flange comprising angularly related inwardly facing channel members to straddle the flange of the duct or the like at a corner portion thereof, an upstanding lifting pad secured to the arms at points spaced outwardly from the junction of said arms and providing a space between the pad and the portions of the arms in advance of the pad, a holding key insertible through such space to engage from within the adjacent portion of the duct or the like and means for releasably securing the key to the pad.

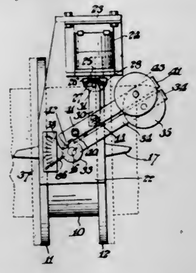
2,382,719
DRILL SPINDLE DRIVING MECHANISM
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Original application July 28, 1939, Serial No. 287,132. Divided and this application May 28, 1943, Serial No. 488,857
5 Claims. (Cl. 74—333)



1. A radial drill head having a spindle assembly mounted therein, a large gear, a bearing

mounted independently of the spindle and spaced therefrom, the said bearing having one portion engaging the large gear adjacent the outer periphery of the large gear and having another portion supported from the head about the axis of rotation of the spindle, a pair of driving gears for said spindle rotatively mounted in the drill head, means for driving said gears, one of said gears in mesh with said large gear, and a gear element splined on said spindle assembly and shiftable for coupling either said large gear or the other of said driving gears to said spindle assembly.

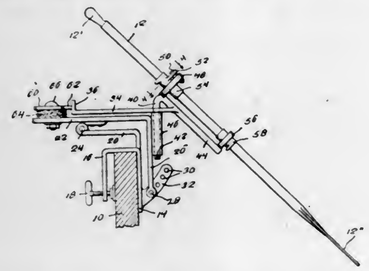
2,382,720
SOLENOID TRIP BUTTERFLY VALVE
David W. Hopkins, Philadelphia, Pa.
Application September 17, 1942, Serial No. 458,715
3 Claims. (Cl. 137—139)



1. A valve mechanism comprising the combination of a valve including a torque shaft, a weight arm on the torque shaft of the valve arranged for movement with the torque shaft in a plane normal thereto, a detent hub extending coaxially with the torque shaft having a portion disposed axially beyond and in fixed relation to the arm and having a stop recess, a lever arm, means extending parallel to the torque shaft pivotally supporting the lever arm for movement in a plane substantially parallel to the plane of movement of the said weight arm, a weight on the lever arm on one side of the pivot thereof, a weight on the weight arm adjacent to but laterally spaced from the said weight on said lever arm, a pawl carried by the other end of the lever arm in position to engage said recess, a solenoid having a movable core, means supporting the solenoid in fixed relation to said pivot, and a link engaging the core of the solenoid and the lever arm and upholding the lever arm and its weight during solenoid energization, said first mentioned weighted arm being free to fall with the rotation of the torque shaft when the deenergiztion of the solenoid permits the lever arm to pivot and remove the pawl from the recess, the arrangement of stop recess, hub, and pawl being such that the lever arm cannot be reset until the valve has first been repositioned.

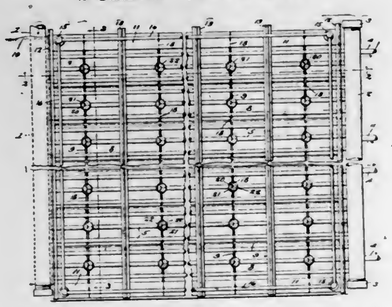
2,382,721
AUTOMATIC SCULLING OAR LOCK
Gerald C. Hosack, Pensacola, Fla.
Application July 5, 1944, Serial No. 543,561
7 Claims. (Cl. 9—26)

1. An automatic lock for a sculling oar, comprising a bracket, clamp means for removably securing said bracket centrally of the transom of a boat, a member mounted for horizontal oscillatory movement, means connecting said member and said bracket, a bearing rigidly mounted on said member and engaged by the oar, said member and the bearing being actuated by thwartwise sculling motions imparted to the oar, a guide mounted on said bearing and movable with said oscillatory member, and means inter-



connecting said oar with said guide member to cause turning movements of the oar to reverse the pitch of its blade, when the limit of each directional movement of the oscillatory member is reached.

2,382,722
SOLAR HEATER
Henry Amos Kezer, El Paso, Tex.
Application February 1, 1943, Serial No. 474,347
2 Claims. (Cl. 126—271)

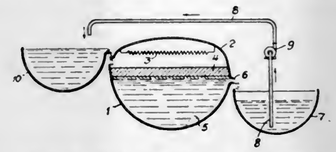


1. A solar heater for heating water including a floor, opposed walls extending above the floor, an inlet header, an outlet header, tubes comprising connected sections extending toward each other from the respective headers and supported by the floor, transparent plates removably supported above the tubes, guard rails adjacent to opposed ends of the area defined by the plates, connections between the rails and extending over the plates, and lenses suspended from the connections above the plates and positioned for concentrating radiant solar energy upon the plates and tubes.

2,382,723
METHOD OF PRODUCING OR REFINING ALUMINUM
Gustaf Newton Kirsebom, Nordeide, Norway; vested in the Alien Property Custodian
Application July 12, 1943, Serial No. 494,389
In Norway September 22, 1941
18 Claims. (Cl. 75—68)

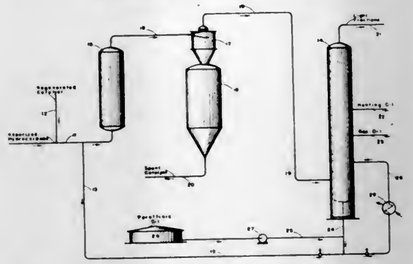
1. The method of refining aluminum which comprises heating a mass comprising an aluminum containing alloy and an aluminum dissolving metal from the group consisting of lead, bismuth, cadmium, thallium and mixtures thereof, with the solution of at least a portion of the aluminum in the metal, separating the portion

of the aluminum alloy not dissolved in said metal from said aluminum-metal solution, thereafter concentrating the aluminum of said solu-



tion by cooling said solution and, subsequently, separating the concentrated aluminum from said metal.

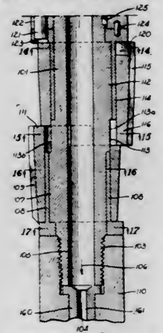
2,382,724
CATALYTIC CRACKING PROCESS
Conrad H. Kollenberg, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 5, 1943, Serial No. 489,734
2 Claims. (Cl. 196—52)



1. In a catalytic cracking process in which a finely divided catalyst is carried in suspension in oil vapors through a cracking zone and some of such catalyst is carried over by the vaporous products from said cracking zone into a subsequent fractionating zone, the steps of introducing into said fractionating zone a paraffinic oil having a boiling range substantially above that of the highest boiling components of said vaporous products, taking off said latter components at an intermediate point from said fractionating zone, taking off from the bottom of said zone a suspension of catalyst in said paraffinic oil and conducting said suspension to the cracking zone.

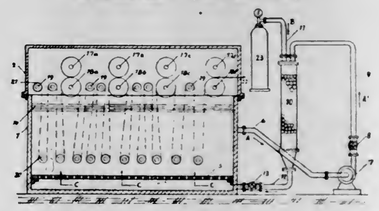
2,382,725
ROTARY UNDERREAMER
Ernest Koppl, Huntington Beach, and Ford W. Harris, Los Angeles, Calif., assignors to Patco, Inc., Los Angeles, Calif., a corporation of California
Application December 9, 1942, Serial No. 468,442
18 Claims. (Cl. 255—74)

8. In an underreamer, the combination of: a spindle having two or more cams formed thereon, said cams being eccentric to the axis of the underreamer; a cutter for each of said cams, each cutter having a bore fitting over its cam and a cutting periphery which is substantially eccentric to said bore, so that as said cutters rotate on said cams each of them passes through an expanded and a retracted position; means for so connecting the cutters to each other that they are all in substantially their retracted position when any of said cutters is in its retracted position; a bolt movable to and from a locking position, said bolt in its locking position engaging and locking one of said cutters so that it cannot rotate in the underreamer, the cutter being free to so rotate whenever said bolt is moved out of its locking position; a piston oper-



ated by the pressure of the drilling mud; and means by which said piston operates said bolt.

2,382,726
APPARATUS FOR THE CHLORINATION OF BAST FIBERS
Helmuth Korte, Wilhelm Waibel, and Johann Metzger, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian
Application February 6, 1941, Serial No. 377,698
In Germany February 21, 1939
4 Claims. (Cl. 68—22)

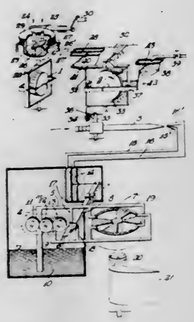


1. A device for treating piece goods from vegetable, animal, and artificial fibers or mixtures thereof, with chlorinating liquors, the said device consisting of a tank for the chlorinating liquid, a perforated bottom adjacent the lower part of the tank, means above the tank for alternately conducting the goods through the liquid and for squeezing off said liquid, an outlet disposed a substantial distance above the perforated bottom for conducting the liquid from the tank, a chlorination column adjacent the tank, a pipe leading from said outlet in the tank to the chlorination column, a second pipe leading from said chlorination column to an inlet opening for the restored liquid, said inlet opening entering the tank beneath the perforated bottom thereof, means for circulating liquid through said first pipe, column, second pipe, and tank in the order named, and valve means individual to each of said pipes for regulating the flow and liquid pressure in said column whereby the degree of chlorine saturation of the liquid is controlled.

2,382,727
AUTOMATIC STEERING DEVICE FOR AIRCRAFT
Adam Kronenberger, Berlin, Germany; vested in the Alien Property Custodian
Application January 6, 1940, Serial No. 312,691
In Germany December 23, 1937
2 Claims. (Cl. 244—79)

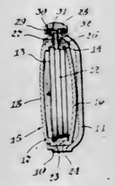
1. In an automatic steering device for aircraft, a rudder, a directional gyroscope, a second

gyroscope including a vertical ring, leaf springs constraining said ring for limited constrained movement about a vertical axis, a rotor bearing frame mounted for precession about a horizontal axis in said vertical ring, yielding means opposing said precession, a differential pressure pick-off



on said directional gyroscope, a pressure device actuated therefrom for applying a torque to said rate gyroscope about its vertical axis and means including a pick-off device actuated by turning of said vertical ring for controlling the rudder in accordance with the heading, rate of turn and angular acceleration of the aircraft.

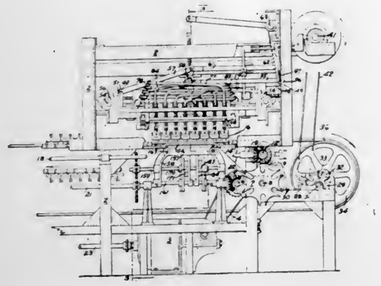
2,382,728
WATERPROOF WATCH
Edward Kupchick, Brooklyn, N. Y., assignor to Bulova Watch Company, New York, N. Y., a corporation of New York
Application February 15, 1943, Serial No. 475,887
5 Claims. (Cl. 58—90)



1. A watch comprising a movement, a band fitted to and surrounding the periphery of said movement, a two part capsule, said band having a surface to receive and seat flanges of said two part capsule, said capsule enclosing said band and movement with opposing edges of said flanges of the capsule parts sealed together to constitute a one piece hermetically sealed container enclosing said band and movement.

2,382,729
FISH PACKING MACHINE
Karl Kurzbin Berkeley, Calif.
Application August 9, 1943, Serial No. 497,928
13 Claims. (Cl. 226—14)

1. A fish packing machine comprising a main frame, a pair of spaced fish conveyors arranged in the frame, a can conveyor between the fish conveyors, carriers arranged in the frame to move from each fish conveyor to the can conveyor, clamp mechanism on each carrier, and means for



actuating the conveyors and carriers and clamp mechanisms in timed movements to pick up fish from the fish conveyor and release them over the can conveyor.

2,382,730
LUBRICANT
Eugene Lieber, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 15, 1943, Serial No. 494,816
5 Claims. (Cl. 252—57)

1. A lubricant comprising a major proportion of waxy mineral lubricating oil and a small but pour depressing amount of a phthtalein in which at least one hydroxyl hydrogen is replaced by a radical selected from the group consisting of —R and —(O)C—R, in which R is an alkyl radical.

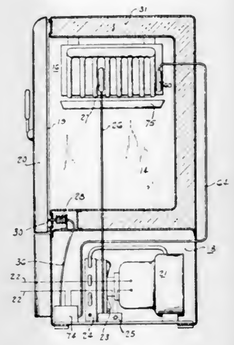
2,382,731
ADHESIVE
Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 26, 1942, Serial No. 459,831
3 Claims. (Cl. 260—755)

1. An adhesive tape comprising a cellulosic sheeting coated with a tacky, pressure-sensitive adhesive composition consisting of about 160 parts triethylene glycol ester of hydrogenated rosin, about 160 parts rubber, and about 125 parts zinc oxide.

2,382,732
METHOD OF PRODUCING FOAM BATHS
Leo Löwenstein, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
No Drawing. Application September 30, 1940, Serial No. 359,171. In Germany April 6, 1940
10 Claims. (Cl. 252—307)

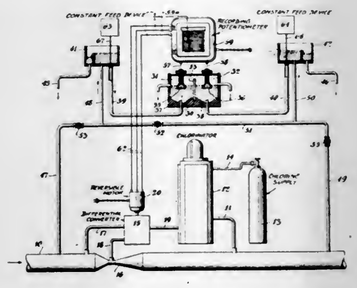
1. In a method of producing foam baths the steps of taking a substantially stoichiometric mixture of crystallized aluminum sulfate, sodium bicarbonate of the proportions necessary to produce carbon dioxide and a substance capable of producing foam, adding solid small particles of a non-heat conducting substance chemically inert with regard to the other constituents of the mixture in a quantity not in excess of 40% by weight of the aluminum sulfate, and adding only as much water as may be retained by the foam produced.

2,382,733
REFRIGERATION APPARATUS
Gerald P. Marcy, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1943, Serial No. 476,832
8 Claims. (Cl. 62—4)



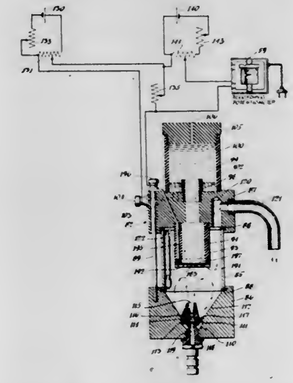
1. The combination with a refrigerator including a food compartment having an access opening thereto, a door for closing said opening, a heat-exchange unit for cooling said compartment, and a refrigerating apparatus for maintaining said unit at a below-freezing temperature, of hydraulic means responsive to the opening and closing of said door for rendering said refrigerating apparatus inoperative when said door has been opened and closed a predetermined number of times, and means for again rendering said refrigerating apparatus operative.

2,382,734
ELECTRICAL DETERMINATION OR CONTROL OF CHLORINE IN LIQUIDS
Henry Clay Marks, Bloomfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application December 28, 1940, Serial No. 372,208
4 Claims. (Cl. 204—1)



1. The method of continuously determining the concentration of available chlorine in an aqueous liquid, which comprises the steps of passing such a liquid continuously through a potential measuring system at a predetermined rate, continuously and at a predetermined rate adding to the liquid prior to its introduction into such system a predetermined amount of a reducing agent, so that the reducing agent will be present in a known concentration which is stoichiometrically in excess of the amount of the available chlorine to be determined, said reducing agent being of such kind as will react with and completely reduce all the available chlorine present in the liquid to form an oxidation-reducing system which is thermo-dynamically reversible, and measuring the oxidation-reduction potential of the system thus formed as indicative of the amount of available chlorine present in the liquid.

2,382,735
ELECTRICAL CELL APPARATUS
Henry Clay Marks, Bloomfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application April 24, 1941, Serial No. 390,074
8 Claims. (Cl. 204—195)

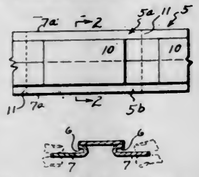


1. An electrolytic depolarization cell, comprising a container separated into two chambers by a porous diaphragm of non-conducting material permitting the passage of electric current therethrough when permeated with a solution of an electrolyte but which effectively prevents any substantial mixing of liquids in said two chambers, an electrode in one of said chambers, which chamber is filled at least as to the path between said electrode and said diaphragm with an electrolyte solution, a plate-like electrode in the other of said chambers closely adjacent to and substantially parallel with said diaphragm and separated therefrom solely by an intervening thin layer of insulating material, said plate-like electrode and said layer of insulating material having a plurality of substantially registering perforations therethrough, so that a liquid in contact with the second-named electrode may penetrate through said registering perforations to said diaphragm, and means for conducting a liquid to be tested into and out of the second of said chambers for contact while in said second chamber with the second named electrode.

2,382,736
LABEL
Collins Mason, Beverly Hills, Calif.
Application February 7, 1944, Serial No. 521,474
5 Claims. (Cl. 40—2)

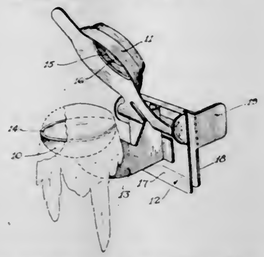
1. In a label whose undersurface is coated with a normally tacky adhesive, means for mounting the label in a manner to be readily applied to a surface to be labeled, comprising a pair of backing sheets each folded upon itself into U-shape to provide a label-carrying ply bonded to the undersurface of the label by said adhesive and a stripping ply having its free outer edge

uncovered whereby to be freely accessible, said sheets being oppositely disposed and having their folded edges juxtaposed in contacting relation-



ship whereby the label-carrying plys together completely cover the adhesive coated undersurface of the label.

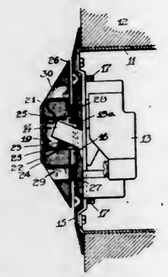
2,382,737
EGG SEPARATOR
Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 23, 1943, Serial No. 503,456
1 Claim. (Cl. 146—2)



A device for separating the white of an egg from the yolk and grading the yolk as to color, comprising a cup to receive the yolk, said cup being of such size that the white overflows the edge of the cup when the yolk is positioned in the cup, a movable trimming means having a surface for engaging the walls of the cup to trim the white from the yolk thereby assisting the separation, said trimming means having a relatively wide upper surface with an aperture therein through which the yolk may be seen when said trimming means is in engagement with the edge of the cup, said trimming means having a color comparison surface substantially covering the wide upper surface and extending to the edge of said aperture whereby a yolk disposed in said cup may be graded by comparison with said color chart as the white is being trimmed therefrom.

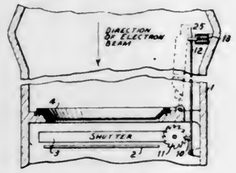
2,382,738
DECORATIVE SWITCH MANIPULATOR
Harry E. Moyses, New York, N. Y.
Application March 7, 1944, Serial No. 525,354
12 Claims. (Cl. 200—172)

1. In combination with a commercial wall switch plate provided with a central rectangular opening for the handle of a wall switch toggle lever, a decorative switch manipulator comprising a slide including two slide rails mounted opposite each other on the longitudinal edges of said opening and having a length not exceeding approximately half that of the latter, each of said rails including a flat strip portion in contact with one of said edges and having a thickness less than the distance between said edge and the adjacent side of a standard switch handle projecting through said opening and spaced projections extending from said strip portion adjacent the front and rear faces, respectively, of said switch plate, a shield connected to said slide and supported thereby in front of said plate for displacement lengthwise of the latter between two end positions, said shield being provided on its underside with a recess to receive a switch handle projecting



through said opening between said slide rails, and two transverse abutments connected to and movable with said shield and slide to cooperate with such switch handle upon displacement of said shield in either direction for opening or closing the switch, a portion of said slide being deformable to permit seating of said slide rails upon the edges of said rectangular opening.

2,382,739
APPARATUS FOR TAKING PICTURES OF THE IMAGES PRODUCED BY ELECTRON OPTIC APPARATUS
Heinz Otto Müller, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application January 28, 1941, Serial No. 376,310
In Germany October 17, 1939
3 Claims. (Cl. 250—65)

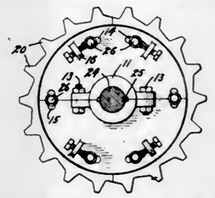


1. An electron-optical device for causing an electron beam to produce photographic images, comprising a vacuum vessel, a photographic means for receiving the image, a fluorescent screen arranged in said vessel in front of said photographic means relative to the direction of the electron beam, said screen being movable to permit being placed in the path of the beam for observing the image previous to the photographic exposure and to be removed from said path preparatory to the exposure, a focal plane shutter arranged between said screen and said photographic means and having spring winding means operable exteriorly of said vacuum vessel, and a releasing mechanism controlled by said screen upon removal thereof from the electron beam path for releasing said shutter so as to effect the exposure of said photographic means.

2,382,740
SPROCKET WHEEL
Fred P. Noffsinger, Greeley, Colo.
Application July 10, 1943, Serial No. 494,438
3 Claims. (Cl. 74—243)

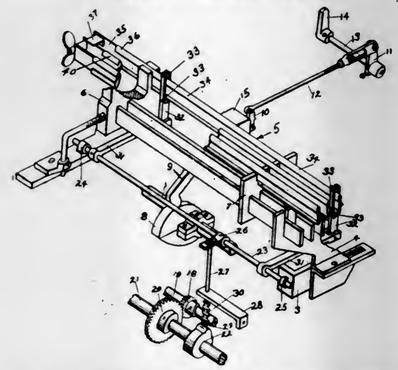
1. A chain sprocket comprising: two hub members; a semi-circular flange disc formed on each

of said hub members; means for securing said hub members on opposite sides of a shaft so that said semi-circular flange discs will cooperate to form a complete circular flange; two semi-circular toothed segments; clamping bolts securing said segments to said flange to form a complete circular toothed rim thereabout, said bolts passing



through circumferentially slotted openings so that the circumferential position of said rim may be varied at will on said flange; lugs extending laterally from the flanges adjacent ends of the slotted openings; and set screws threaded through said lugs and extending longitudinally of the slotted openings in position for engaging the bolts.

2,382,741
LOOM
Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application May 7, 1942, Serial No. 442,025
5 Claims. (Cl. 139—353)

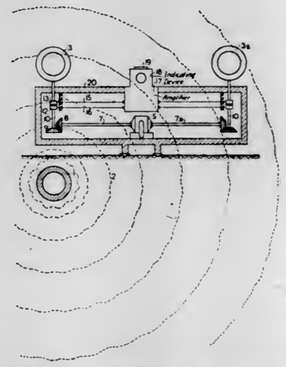


1. A warp stop motion for a loom comprising a vertically reciprocatable contact bar, a rotatably driven cam and means operated by said cam and so constructed and arranged as to reciprocate said contact bar into and out of operating position at regularly recurring intervals.

2,382,742
PROTECTIVE COATINGS
Harold K. Patch, Hermosa Beach, Calif., assignor to Crossfield Products Corp., Los Angeles, Calif., a corporation of California
No Drawing. Application February 26, 1942, Serial No. 432,451
6 Claims. (Cl. 260—742)

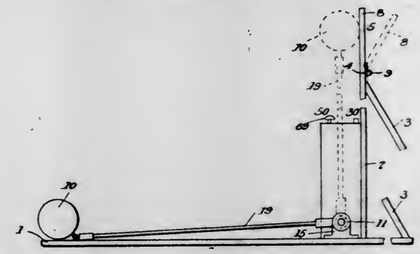
1. A protective coating comprising a mixture containing rubber latex, an aggregate consisting of particles of English walnut shells of a screen size of about from 8 to 20 mesh, and aluminous cement in sufficient quantity to cause the mixture to set, the said aggregate being of sufficient quantity that the completed coating is non-absorptive, light in weight, durable, wear-resistant, and non-slippery.

2,382,743
ELECTROMAGNETIC APPARATUS FOR PIPE-LINE SURVEYS
Carl J. Penther and Francis B. Rolfson, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 26, 1942, Serial No. 428,337
1 Claim. (Cl. 175—183)



In a system for magnetically measuring weak electric direct currents flowing in a pipe line, two substantially identical coils capable of generating electric currents by intersecting magnetic lines of force, means rigidly gearing said coils in spaced relationship with each other so that one of said coils is substantially outside of the magnetic field of the pipe line when said coils are disposed in a horizontal plane along a line transverse to the axis of the pipe line with the other coil substantially directly over the pipe line, means comprising said gearing means for rotating said coils in synchronism about their vertical axes, whereby each of said coils is caused to generate an electric current as a function of the strength of the magnetic field at the point where said coil is located, an electrical indicating device, and circuit means electrically connecting said coils to said indicating device for impressing the currents generated by said coils on said indicating device in opposition to each other.

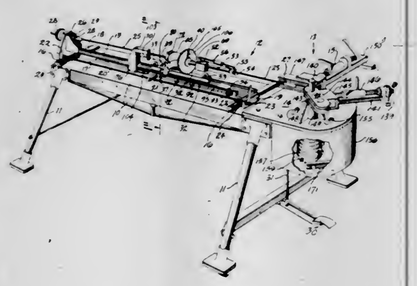
2,382,744
APPARATUS FOR PRACTICING FOOTBALL GOAL KICKING
Robert E. Whalen Perry, Los Angeles, Calif.
Substituted for abandoned application Serial No. 457,303, September 4, 1942. This application July 22, 1944, Serial No. 546,070
7 Claims. (Cl. 35—29)



1. An apparatus for practicing football goal kicking including a goal, a football, and means

for mechanically controlling the trajectory of said football towards said goal or to one side or the other of said goal, according to the direction in which said football is kicked.

2,382,745
BENDING MACHINE
Marvin A. Powers, Oklahoma City, Okla., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application October 31, 1942, Serial No. 464,116
29 Claims. (Cl. 153—40)

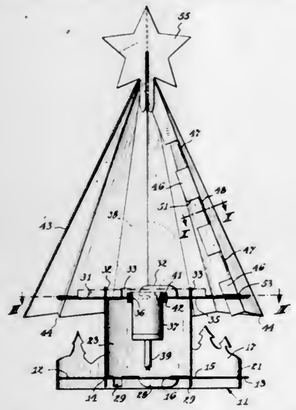


1. In a tube bending machine, the combination of: a frame first member; a carriage second member translatively movable on said frame member; means for supporting a tube parallel to the direction of said translative movement, and extending toward the head end of the machine, including a fastening third member on the carriage member rotatable about the tube axis for holding the tailward end of the tube longitudinally immovable on the carriage member; a bending device on the head end of the frame member comprising stationary and swinging elements and disposed along the position of the supported tube; a plurality of first stop means rectilinearly adjustably secured on one of said first and second members to abuttingly engage the other thereof for mechanically translatively positioning the carriage member on the frame member; a plurality of second stop means rotatively adjustably secured on one of said second and third members to abuttingly engage the other thereof for mechanically angularly positioning said fastening member on said carriage; and a plurality of third stop means rotatively adjustably secured on one of said elements to abuttingly engage the other thereof for mechanically limiting arcuate movement about its axis of the swinging element of said bending device on said frame.

2,382,746
ORNAMENTS SUCH AS CHRISTMAS TREES AND METHOD OF MANUFACTURE
Charles S. Price, Hollis, N. Y.
Application January 30, 1942, Serial No. 428,859
12 Claims. (Cl. 41—15)

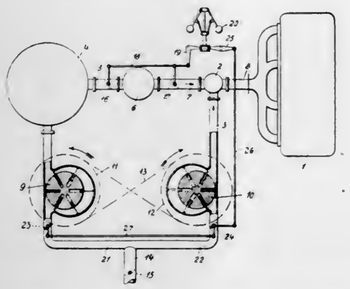
2. An ornament composed entirely of sheet material and comprising a generally-circular portion, a decorative edging interlocked therewith, a central stem with its lower end interlocked with said circular portion and carrying a generally-circular supporting member, a decorative generally-conical portion tapered upward from the edge of said generally-circular supporting member, and a top decoration with a stem fitting in an aperture in said generally-conical portion.

7. The method of making an ornament comprising cutting from sheet material a pair of generally-circular blanks with circularly-arranged slots and outstanding peripheral tabs, cutting a generally-rectangular blank with a pair of opposite edges shaped so it will stay in hollow cylindrical form and the other edges arranged to interlock respectively with said circular blanks,



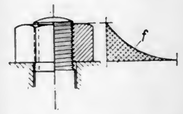
bending and connecting said rectangular blank in cylindrical form, connecting said generally-circular blanks, one above and one below said cylindrical member, cutting a generally-circular sector from similar material, connecting radial edges of said sector to make a conical structure, pleating along radial lines, and supporting from the uppermost of said generally-circular members.

2,382,747
OPERATION OF INTERNAL-COMBUSTION ENGINES WITH GAS GENERATORS
Emil Schimanek, Budapest, Hungary; vested in the Alien Property Custodian
Application September 9, 1940, Serial No. 356,072
In Germany May 23, 1940
10 Claims. (Cl. 123—3)



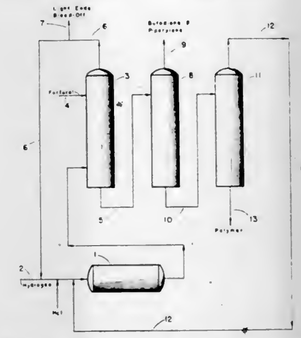
1. Process of running internal combustion engines fed by generator, at different speeds and different degrees of admission of the motor, consisting in keeping constant the velocity of flow in the generator by throttling the gas flowing out of the generator in such a way that the greater volume of gas sucked in by the motor at higher speeds is balanced by a corresponding increase of the pressure in the generator, said increase of pressure being effected by the said throttling, and controlling the gas quantity and air quantity admitted to the motor by simultaneously controlling the supply of air to the motor and air to the generator at a place before the generator the ratio of air fed to the generator and the motor, respectively, being kept constant.

2,382,748
NUT
Paul Schüttler, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application July 8, 1940, Serial No. 344,390
In Germany August 2, 1939
6 Claims. (Cl. 85—32)



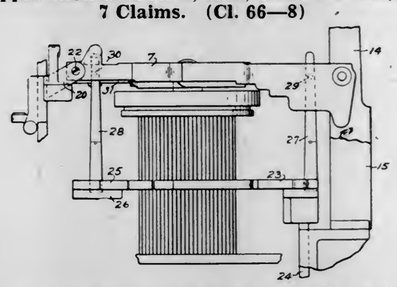
5. A nut of the type described comprising a nut body composed of relatively elastic material and in which the threaded bore extends substantially entirely through the nut from the working face of the body to the outer end of the nut and in which an annular portion is formed on said working face surrounding the inner end of the threaded bore to project axially beyond the working face of the nut, the surface of the bore constructed to give a progressively greater modulus of elasticity toward the outer end of the nut from the region of the inner end of the nut body whereby on being screwed home on a bolt and against the work to be clamped, the forcible engagement of said annular portion with the work distributes the resultant stresses along the threaded bore toward the outer end of the nut and the threads of the bore are compressed on the threads of the bore at the inner end of the nut so as to lock the nut on the bolt.

2,382,749
PRODUCTION OF DIOLEFINS
Henry M. Singleton, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 15, 1943, Serial No. 475,867
3 Claims. (Cl. 260—681)



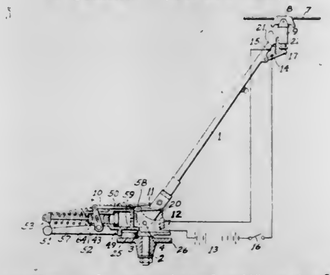
1. A method for producing a diolefin which comprises subjecting a heterocyclic compound of the furan series to a temperature between 800° F. and 1400° F. to the action of a dehydrogenation catalyst in the presence of an excess of hydrogen and a small amount of an acidic substance for a period between 0.5 and 30 seconds to effect scission of the ring structure and recovering by distillation of the resulting product a diolefin having at least four carbon atoms in the molecule.

2,382,750
ADJUSTABLE CARRIER RING
Eugene St. Pierre, Pawtucket, and Joseph Wawzonek, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application October 4, 1944, Serial No. 557,188
7 Claims. (Cl. 66—8)



1. In a circular, independent needle, knitting machine having a plurality of independently and vertically adjustable knitting cam supports, the combination of a carrier ring provided with yarn levers above each of said knitting cam supports and means for maintaining said yarn levers at definite vertical distances above their respective knitting cam supports irrespective of alterations in the vertical position of said knitting cam supports.

2,382,751
CURRENT COLLECTOR FOR ELECTRIC VEHICLES
Ferenc Szalay, Budapest, Hungary; vested in the Alien Property Custodian
Application August 21, 1941, Serial No. 407,804
In Hungary August 23, 1940
4 Claims. (Cl. 191—85)

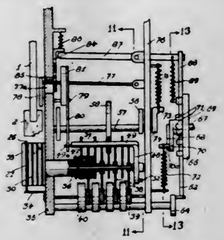


1. A trolley pole associated with a trolley wire comprising a pole section, a contact element carried by said pole section, means biasing said element into contact with the trolley wire, a substantially vertical pivot associated with said pole section to permit rotation thereof in a horizontal plane, a pneumatically operated brake for preventing said rotation, and means responsive to loss of contact between said contact element and the trolley wire for gradually reducing the bias of said biasing means upon said element and causing said biasing means to simultaneously apply said brake.

2,382,752
RECORDING SCALE
Sándor Tóth, Budafok, near Budapest, Hungary; vested in the Alien Property Custodian
Application August 24, 1939, Serial No. 291,698
In Hungary September 7, 1938
11 Claims. (Cl. 234—5.4)

1. In an article weighing instrument, the combination of a toothed member moved by said

instrument an amount in direct proportion to the weight of the article, said teeth having variable lengths representing different numerical orders of magnitude, means for arresting said toothed member in stationary position after it has been moved by said instrument, means for sensing said



arrested teeth, means controlled by said sensing means for numerically determining said weight, operating means for said sensing means, and means for automatically preventing said numerical determination when said operating means is actuated before the movement of said toothed member ceases.

2,382,753

CATALYTIC CONVERSIONS

Richard S. Treseder, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 29, 1944, Serial No. 520,339

13 Claims. (Cl. 260—666)

13. In the execution of catalytic reactions wherein reactants are contacted with a catalyst consisting essentially of an active liquid aluminum halide-hydrocarbon complex in the presence of a hydrogen halide in a reaction zone comprising a metal-containing surface in direct contact with said catalyst, the method of inhibiting any substantial corrosion of said metal-containing surface which comprises maintaining in said catalyst throughout the operation a corrosion-inhibiting amount of a halide of a metal of the alkali and alkaline earth metals.

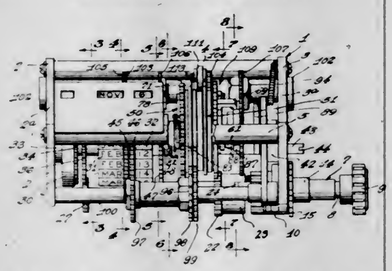
2,382,754

DATE FINDER UNIT

Elbert L. Turnbaugh, San Francisco, Calif., assignor to Percentograph Inc., Carmel, Calif., a corporation of California

Application December 20, 1940, Serial No. 371,059

6 Claims. (Cl. 40—111)



1. In a date finder unit, an indicator supporting shaft, a drum rotatably mounted on said shaft and having indicia relating to the months of the year thereon, another drum on said shaft and having inner and outer drum sections each having indicia relating to the days of the month, said inner drum section being rotatable about the shaft and said outer section being rotatable on the inner section and having a sight window for permitting viewing of indicia on the inner section, said outer section being rotated with the shaft, a countershaft, means on the countershaft and on the first mentioned shaft for imparting rotative movement to the outer drum section, a transmission shaft, and means on the transmission shaft and cooperating with said means on the first mentioned shaft for imparting movement to the first mentioned drum.

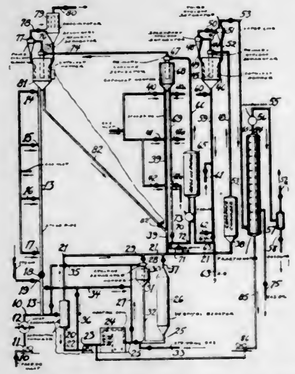
2,382,755

CATALYTIC CONVERSION OF HYDROCARBON OILS

Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application May 24, 1941, Serial No. 394,963

18 Claims. (Cl. 196—50)



1. A process for the conversion of residual oils containing constituents unvaporizable without substantial decomposition under normal pressure conditions which comprises adding to said oil an absorptive powder in an amount sufficient to completely absorb said unvaporizable constituents and form discrete particles of non-adhesive powder, passing the resulting mixture through a heating zone, heating said mixture during passage through said zone to a temperature sufficient to convert said oil into vapors and coke, thereafter passing the resulting mixture of vapors and powder containing said coke through a cracking zone, contacting said mixture within said cracking zone with a cracking catalyst separate and independent from said first-named absorptive contact material to crack said vapors into motor fuel constituents and segregating the motor fuel from the cracked products.

2,382,756

HASP LOCK

Robert S. Wagner and Berthold R. Thiele, Milwaukee, Wis., assignors to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 19, 1943, Serial No. 483,546

18 Claims. (Cl. 70—75)

1. A hasp lock comprising a pivotally supported body plate constituted of a sheet metal stamping and having a marginal flange, a latching bolt also constituted of a sheet metal stamping and corresponding in outline to the body plate although slightly smaller, said latching bolt being

interfitted with the flanged side of the body plate for sliding movement from a latched to an unlatched position, and vice versa, and lugs integral with opposed portions of the flange of the body

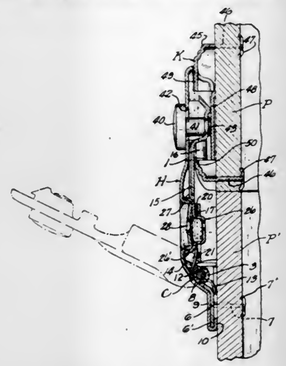


plate and overlying and having wiping engagement with the latching bolt to maintain the bolt assembled with the body plate and constrain it to movement to and from latched position.

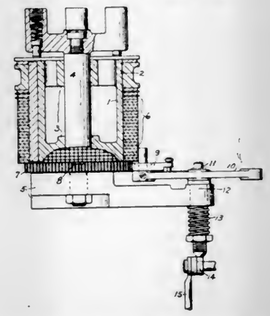
2,382,757

PATTERN DRUM OPERATING MECHANISM

Joseph Wawzonek, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application August 12, 1944, Serial No. 549,269

2 Claims. (Cl. 66—50)



1. A means for controlling a pawl and ratchet operated device for a knitting machine consisting of a ratchet wheel affixed to the device and having teeth around its periphery, a recess in one edge of said ratchet, an insert in said recess the outer end of which is at least flush with the tips of said teeth, a pawl adapted to engage the teeth of said ratchet to turn said device and means for positioning said pawl so as to be engageable with all of the teeth of said ratchet and for positioning it so as to be engageable with all of said teeth with the exception of those in alignment with said insert.

2,382,758

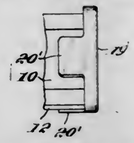
ENGINEER ARCHITECT SCALE

Wesley Dale Weeks and Ludwig Kube, Phillips, Tex.; said Kube assignor to said Weeks

Application September 27, 1944, Serial No. 556,032

3 Claims. (Cl. 33—107)

1. A rule of the kind described, comprising a plurality of blades having scale markings on the inside and outside faces thereof, an end cap hingedly connected to the blades for the reverse swinging of the latter into reverse triangular re-



lation to each other, and a second end cap engageable with the other ends of said blades to latch the same in their triangular relation to one another.

2,382,759

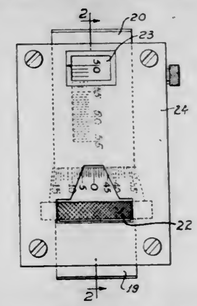
MICROMETER GAUGE

Ugo Weiss, Milan, and Domenico Leone, Turin, Italy; vested in the Alien Property Custodian

Application May 27, 1941, Serial No. 395,500

In Italy February 27, 1940

1 Claim. (Cl. 33—164)



A gauge comprising a housing, extensible measuring means in said housing, a micrometer screw for operating said measuring means, a graduated drum having an internal surface mounted on said micrometer screw, a spring-pressed ball mounted in said micrometer screw and engaging the internal surface of the drum, and an aperture in said housing for observing the graduations on said drum.

2,382,760

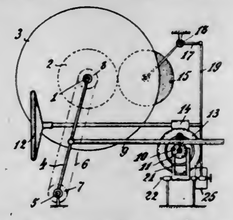
WARPING MACHINE

Georg Wiggermann, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian

Application March 6, 1941, Serial No. 381,952

In Germany January 25, 1940

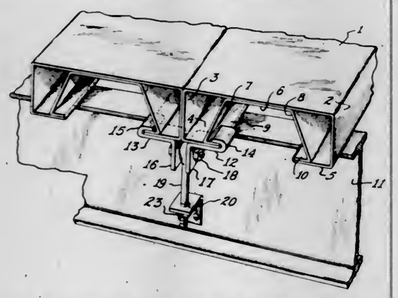
19 Claims. (Cl. 28—38)



1. In a warping machine, a beam element, a pressure roller element coacting with said beam element, means for rockably supporting each of said elements, a driving means arranged coaxially with the rocking axis of one of said elements and drivingly connected with said latter element, means for pressing said elements together with a predetermined pressure, said last means arranged so that its resistance must be

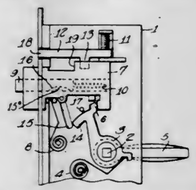
overcome to alter the relative position of said elements, friction resistance means, rack and pinion means connecting the rockable support of said driven element with said friction resistance means, and means including said friction resistance means to move said driven element through the intermediary of said rack and pinion means.

2,382,761
BRIDGE DECKING AND THE LIKE
John R. Wilks, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application February 12, 1942, Serial No. 430,651
6 Claims. (Cl. 189—34)



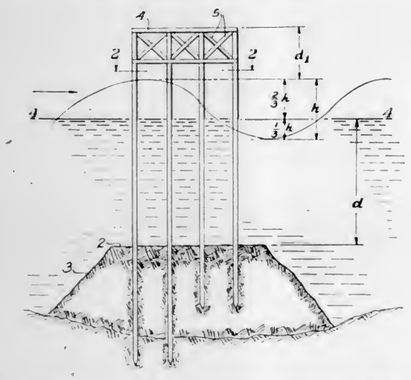
1. A bridge decking member of elongated form consisting of two telescoping pieces of substantially the same length, an outer piece of generally channel shape comprising a top, side members depending from the top, and relatively narrow foot members extending toward each other from the lower edges of said side members, and an inner piece comprising a longitudinal portion narrower than said top, adapted to lie beneath it and in conformity therewith, and being fastened thereto, side portions extending diagonally downwardly and outwardly from said first mentioned portions and meeting parts of said outer member other than the said top along lines spaced from the inner edges of said foot members, and further longitudinal portions forming extensions of said diagonal portions and paralleling the portions of the outer member so met thereby, and fastened thereto.

2,382,762
DOOR LOCK
Albert Wirz, Basel, Switzerland
Application September 8, 1943, Serial No. 501,574
In Switzerland August 12, 1942
8 Claims. (Cl. 292—335)



1. A doorlock comprising a casing, a mainbolt slidably arranged in the casing and having a groove therein; an auxiliary bolt slidably arranged in the mainbolt, an auxiliary lever pivotally mounted on the mainbolt and having one end in contact with the auxiliary bolt, and a main operating lever adapted to contact and operate the mainbolt when the door is to be opened.

2,382,763
SUBMARINE FOUNDATION
Garth L. Young, Los Angeles, Calif., assignor to Signal Oil and Gas Company, Los Angeles, Calif., a corporation of Delaware
Application August 7, 1944, Serial No. 548,413
12 Claims. (Cl. 61—46)



1. A submarine supported structure, comprising a submerged mound artificially erected on the submarine bottom beneath said structure, the top surface of said mound being below the limit of wave action, piles driven in said mound, a structure supported on said piles, the unsupported piling having an L/R ratio of less than 200.

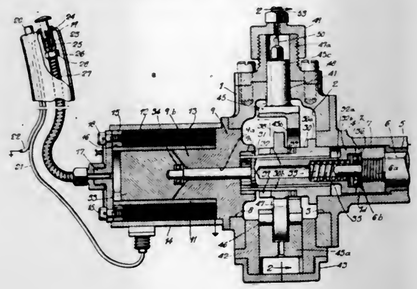
2,382,764
RECOVERY OF POLY-GLYCEROL RESIN
Harland H. Young, Chesley S. Young, and Purdy Bradford, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 16, 1942, Serial No. 469,216
2 Claims. (Cl. 260—615)

1. The process of producing poly-glycerol resin which comprises injecting steam into the molten residue of a glycerine still following a glycerine purification distillation operation to cool and dissolve the residue, precipitating impurities from the resulting aqueous solution by the addition of water soluble salts which form insoluble compounds upon reacting with the impurities, separating said precipitates, concentrating the remaining liquid by evaporating the water from the water soluble salts and the poly-glycerol resin, selectively dissolving the poly-glycerol resin from the water soluble salts, and recovering the poly-glycerol resin from the solvent.

2,382,765
CONTROL MECHANISM
Victor F. Zahodiakin, Short Hills, N. J.
Application August 15, 1942, Serial No. 454,908
6 Claims. (Cl. 192—67)

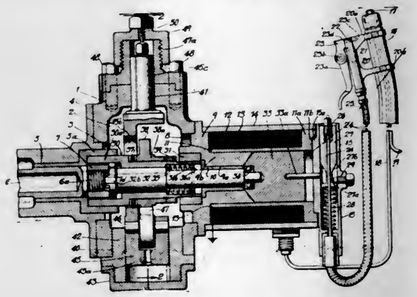
1. In mechanism of the character described, a housing having alined openings, a head closing one of said openings, an electro-magnetic pole structure closing the other of said openings, a tubular member journaled for rotatable movement in said head and said pole structure, a shaft slidably disposed within said tubular member, said shaft for all positions thereof being arranged in power-transferring relation with respect to said tubular member, one end of said shaft being

journaled in said pole structure and the other end thereof terminating in a clutch face disposed in a passage formed in said head, a shaft adapted to rotate constantly and having a clutch face disposed in said passage adjacent said first named



clutch face, means comprising said pole structure for moving said first named shaft in one direction to connect said clutch faces, and means for moving said first named shaft longitudinally in reverse direction to disconnect it from said rotating means.

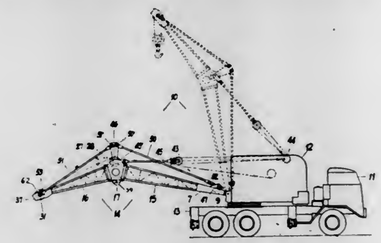
2,382,766
CONTROL MECHANISM
Victor F. Zahodiakin, Short Hills, N. J.
Application October 28, 1942, Serial No. 463,599
13 Claims. (Cl. 192—67)



1. In mechanism of the character described, a shaft, means for rotating said shaft, means for moving said shaft longitudinally in one direction to a position wherein it is disconnected from the rotating means, a solenoid core member attached to one end of said shaft, an element attached to said core member and projecting therebeyond, and means for mechanically applying energy to the element to move the element, the core member, and the shaft longitudinally to connect the shaft to the means for rotating it.

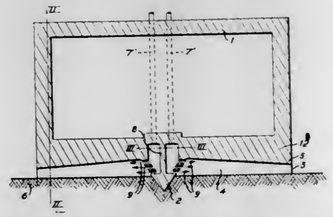
2,382,767
BOOM FOR LOAD HANDLING MACHINES
Roy H. Zeilman, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application December 27, 1943, Serial No. 515,815
5 Claims. (Cl. 212—144)

1. In combination with a mobile crane vehicle comprising a rotatable table, a prime mover, boom cable winding drums selectively operable from said prime mover, and frame means disposed on the table for supporting said drums, of a boom therefor comprising a pair of boom sections, one a head and one a foot section, and a splice section rigidly so uniting the head and foot sections substantially medially of the boom as to cause them to substantially define an obtuse angle disposed in a vertical plane, an upstanding mast normally extending upwardly from and hingedly secured to the splice section, said head section terminating at its end disposed remotely of said splice section in a boom head adapted to support a work load, said foot section terminating at its



remote end in a foot element, said foot element transversely hinged to the crane, guy cables under tensile stress joining the remote ends of said head and foot sections to an upper portion of said mast to provide a truss boom structure with said guys defining a smaller obtuse angle than that defined by said sections, sheaves carried by said boom splice section, a plurality of crane operating cables, each having an end windable upon and unwindable from one of said drums, operable over said sheaves, for variously adjusting the boom load to angularly raise and lower the boom.

2,382,768
MEANS FOR LOWERING A CONSTRUCTION WITH A COMPARATIVELY LARGE BASE INTO THE SOIL
Bernardus Hermanus Henricus Zweers, Naarden, Netherlands; vested in the Alien Property Custodian
Application July 31, 1940, Serial No. 348,940
In Germany August 8, 1939
12 Claims. (Cl. 61—42)

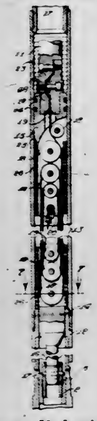


1. In combination, a tunnel section, foundational construction supporting plate or other three-dimensional construction with a large basic surface, a plurality of substantially parallel spaced ribs formed on the underside and extending to the edge of said surface thereby forming intermediate spaced channels between said ribs of substantial depth at said edge, said ribs adapted to cooperate with the earth to form tubular passageways extending to the edge of said basic surface, and means for directing liquid longitudinally through said passageways in order to wash laterally away the earth from under said construction.

2,382,769
VULCANIZATION ACCELERATORS
Robert T. Armstrong, New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 20, 1942, Serial No. 447,839
9 Claims. (Cl. 260—791)

1. A process which comprises vulcanizing a rubber in the presence of an accelerator which is a pyridazine sulfide in which the pyridazine ring is composed of four carbons and two nitrogens and in which a carbon atom adjacent to one of the nuclear nitrogen atoms is directly attached to a non-nuclear sulfur atom.

2,382,770
SETTING TOOL FOR BRIDGING PLUGS
Dean E. Batchelder, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 3, 1942, Serial No. 433,128
5 Claims. (Cl. 166—12)



1. A setting tool for well devices having elements requiring forceful displacement relative to one another for effecting operation within a well bore, said tool comprising a tool body, a compound block system having an anchor block and an oppositely positioned traveling block, means for operatively connecting and transmitting displacement of said traveling block to one of said well device elements, means between said anchor block and said tool body for transmitting any displacement of said anchor block toward said traveling block through said tool body to the other of said well device elements, a flexible tension member passing around and extending between pulleys on said blocks, the dead end of said tension member being anchored to said tool, a cable connected to the free end of said tension member, releasable means associated with said tool body to initially restrain said cable and said free end of said tension member from movement with respect to said tool body, and means for releasing said restraining means while said tool is in a well bore whereby tension in said cable may be operatively applied through said flexible tension member to cause relative displacement of said blocks.

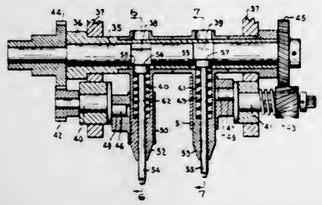
2,382,771
MEDICINE DROPPER
Louis E. Bowers, Phoenix, Ariz.
Application March 17, 1944, Serial No. 526,885
2 Claims. (Cl. 128—233)

2. A device for depositing medicine in the user's eye, comprising a medicine dropper having a bulb at one end, a member encircling said bulb and having a downturned portion, a reflector, and a hinge connecting said downturned portion of said



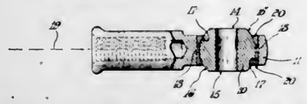
encircling member and said reflector to permit adjustment of said reflector to the position which best enables the user to see the point at which medicine is to be dropped.

2,382,772
FILM FEEDING MECHANISM
Don Canady, Cleveland, Ohio, assignor to Dayton Acme Co., Cincinnati, Ohio, a corporation of Ohio
Application March 7, 1944, Serial No. 525,452
4 Claims. (Cl. 88—18.4)



1. An intermittent feed mechanism comprising a cam shaft, a second shaft geared to said cam shaft, a crank on said second shaft, a slide reciprocated by said crank, a bearing for said first-named shaft, an arm pivoted on said bearing extending through said slide, and a claw extending through said arm reciprocated by said cam shaft.

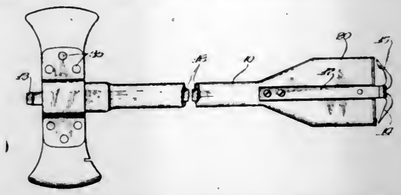
2,382,773
SELF-ALIGNING BEARING STRUCTURE
Jewel C. Chambers, Los Angeles, Calif., and James R. Allen, Forest Hills, N. Y., assignors to Simmonds Aerocessories, Inc., a corporation of New York
Application January 2, 1943, Serial No. 471,098
3 Claims. (Cl. 308—72)



1. A self-aligning bearing comprising, a hard metal ball member, a hard metal ring member embracing said ball member and having an inwardly extending web fitting said ball member in force transmitting relation, and separate softer metal inserts fused into place within said ring member on opposite sides of said web and slidably confining said ball member in said ring member.

2,382,774
TRAPPER'S TOOL
George M. Coffin, Hinsdale, Ill.
Application April 17, 1943, Serial No. 483,369
1 Claim. (Cl. 7—15)

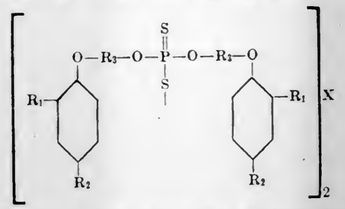
A tool of the class described comprising a handle member having a cross head at one end and an enlargement at the other end extending substantially in the plane of said cross head; and an extension member slidable in said handle member and provided at the enlarged end of the



handle with two oppositely projecting hooks extending substantially in the plane of and guarded by said enlarged end.

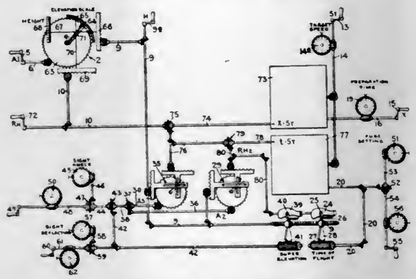
2,382,775
DITHIOPHOSPHORIC ACIDS AND SALTS THEREOF
Elmer William Cook, New York, N. Y., and William David Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 16, 1942, Serial No. 447,274
4 Claims. (Cl. 260—461)

1. Chemical compounds having the formula



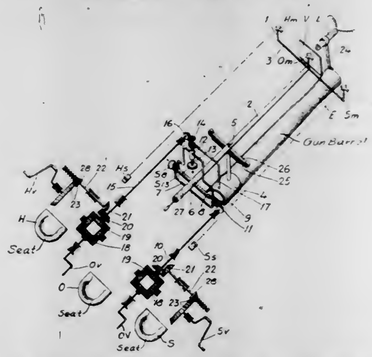
in which R_1 and R_2 are alkyl radicals having a combined number of carbon atoms of at least 8, R_3 is an alkylene radical containing 2 to 4 carbon atoms inclusive, and X is a metal selected from the group consisting of calcium, barium, strontium, magnesium, zinc, mercury, cadmium and tin.

2,382,776
FIRE CONTROL COMPUTER
George Alfred Crowther, Manhasset, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application February 11, 1941, Serial No. 378,367
5 Claims. (Cl. 235—61.5)



5. A closed system fire control computer for a gun firing at a target approaching at a constant height above a horizontal plane, comprising a member settable in accordance with the horizontal range of the target at an observing instant, a member settable in accordance with the height of the target, a multiplier including input members settable in accordance with the speed of the target and the period of time of flight of the projectile and an output member positioned thereby, a second multiplier including input members settable in accordance with the speed of the target and a selected preparation period of time and an output member positioned thereby, means differentially connecting the multiplier outputs with the horizontal range member for positioning a pair of elements in accordance with the horizontal ranges at the end of the respective periods, a pair of vector means positioned by the respective elements and the height member and having outputs the position of which are proportional to the angles of elevation of the target at the ends of the respective periods, means differentially connecting the outputs of said vector means for determining the vertical angular deflection, ballistic computing means actuated in accordance with the position of the element representing the horizontal range at the end of the time of flight period and in accordance with the setting of the height member for determining the position of an output representing the period of time of flight of the projectile, and means operably connecting the output of the ballistic computing means to the input member of the first mentioned multiplier settable in accordance with the period of the time of flight of the projectile.

2,382,777
GUNNERY PRACTICE DEVICE
Tord Olof Richard Dahlberg, Nockeby, and Karl Matts Vigborg, Stockholm, Sweden, assignors to Kooperativa Forbundet Forening U. P. A., Stockholm, Sweden
Application February 16, 1943, Serial No. 476,042
In Sweden October 28, 1940
3 Claims. (Cl. 35—25)



1. A gunnery practice device for application to an aiming mechanism including an adjustable member adapted to be trained upon a target and carrying two parallel telescopic sights for use in the altitudinal and in the azimuthal adjustments, respectively, of said member, said device comprising a single elongated target support mounted on said adjustable member in front of said two sights at substantially right angles to their optical axes, two model targets mounted on said support at a fixed distance from each other equal to that between the optical axes of said sights, setting means for imparting to said target support selected altitudinal and azimuthal movements relative to said sights, a first independent control mechanism arranged for operation by a director looking through one of said sights to impart to said target support selected

altitudinal movements relative to said sights which may serve to compensate for the altitudinal components of the movements effected by said setting means, and a second independent control mechanism arranged for operation by a second director looking through said second sight to impart to said target support selected azimuthal movements relative to said sights which may serve to compensate for the azimuthal components of the movements effected by said setting means, whereby, upon a proper cooperation of both said control mechanisms, each of said model targets may be brought into and held in the field of the corresponding sight.

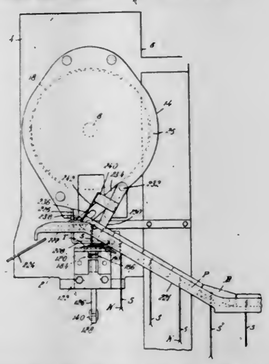
2,382,778

MACHINE FOR SECURING TAGS TO BAG STRINGS

John Thomas Dalton, Durham, N. C., assignor to The American Tobacco Company, New York, N. Y., a corporation of New Jersey

Application August 3, 1943, Serial No. 497,195

28 Claims. (Cl. 93—91)



1. Apparatus for securing a tag to a string comprising means for forming a cut in the tag, means for feeding the string through the cut, and means for restoring the cut-out portion of the tag to its initial position.

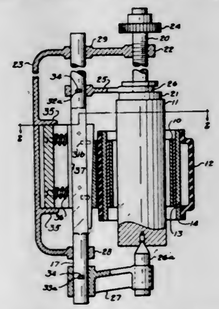
2,382,779

APPARATUS FOR VARIABLE HEATING

Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application June 25, 1942, Serial No. 448,504

11 Claims. (Cl. 219—13)



1. In a composite inductor, a plurality of flexible current conducting laminations adapted to extend peripherally around a part of the article, means for moving the article longitudinally through the inductor, the said laminations being adapted to lie parallel with a peripheral surface of the article and being of varying widths to regulate heating, means for progressively flexing the laminations when the article moves through the inductor, and a member controlled by the movement of the article for limiting the flexing of the laminations.

2,382,780

METHOD OF PROCESSING FOODS

John C. Donnelly, Greenwich, Conn., assignor to Maguire Industries, Incorporated, a corporation of New York

No Drawing. Application May 5, 1943, Serial No. 485,710

9 Claims. (Cl. 99—204)

1. A method of processing dehydrated foods having a fibrous structure comprising the steps of heating such food to between 150 and 165 degrees Fahrenheit, and compressing the heated food into a block at a pressure below 2000 pounds per square inch.

2,382,781

LUBRICANT

Frederick B. Downing, Penns Grove, N. J., and Howard M. Fitch, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 5, 1943, Serial No. 489,808

8 Claims. (Cl. 252—35)

1. A lubricating composition comprising a hydrocarbon lubricating oil having incorporated therein from 100 to about 1000 P. P. M. of iron in the form of an oil-soluble ferric dithiocarbamate derived from a secondary aliphatic amine consisting of the elements carbon, hydrogen and nitrogen.

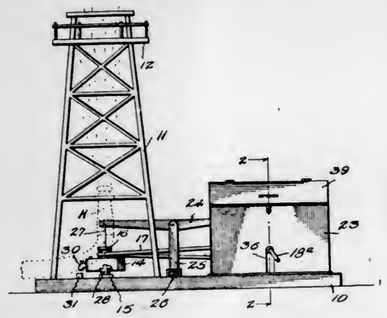
2,382,782

TOY OIL-PUMPING RIG

George W. Eichelberger, Jr., Houston, Tex.

Application November 26. 1943, Serial No. 511,835

1 Claim. (Cl. 46—39)



A toy of the class described comprising a base, a derrick carried thereby, a rotary tank simulating a rotary pump, said tank having an outlet, a vertical bearing supporting said tank for horizontal rotation, a pulley, means for driving said pulley, said bearing extending through the tank and pulley, a walking beam mounted adjacent the tank, and a reciprocating rod simulating a pump rod carried by the beam and vertically slidable in the upper end of said bearing, said rod constituting a brace for the upper end of the bearing, and the upper end of the bearing providing a guide for said reciprocating rod.

2,382,783

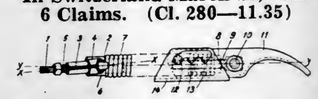
SKI FITTING

Jakob Eigenheer, Thalwil, Switzerland, assignor to the firm Belmag Zurich, Beleuchtungs- & Metallindustrie Aktiengesellschaft, Zurich, Switzerland, a joint-stock company of Switzerland

Application April 22, 1943, Serial No. 484,050

In Switzerland March 28, 1942

6 Claims. (Cl. 280—11.35)



1. In a ski fitting, a connecting piece, a pull member connected to said connecting piece, a lug, a tightener of U-shaped cross section, pivoted on said lug, and a connection device between said tightener and said connecting piece, comprising a tension spring lying between the webs of said U-shaped tightener, and an adjusting screw rotatable relatively to said tension spring.

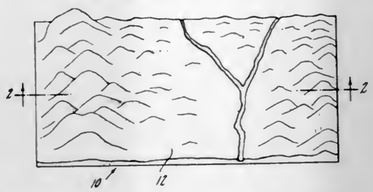
2,382,784

METHOD OF MAKING FLEXIBLE CONTOUR MAPS

Albert G. Emery, New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application October 14, 1943, Serial No. 506,217

2 Claims. (Cl. 18—61)



1. The method of making a flexible contour map which comprises forming a shell having a surface in the desired configurations by the direct deposition of solids of an aqueous dispersion of flexible, resilient material on the surface of a mold, filling the space inside the thus formed shell with a fluid aqueous foam of flexible, resilient material, and drying, thereby forming a flexible contour map with a cellular reinforcement.

2,382,785

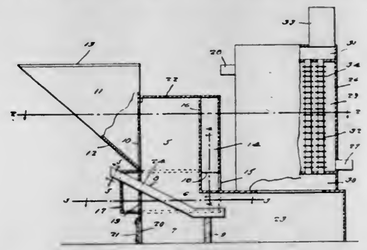
STOVE OR FURNACE CONSTRUCTION

Ernest M. Franklin, Kingsport, Tenn., assignor of one-third to Holiday H. Smith and one-third to Charles E. Hartgrove, both of Kingsport, Tenn.

Application March 6, 1944, Serial No. 525,240

3 Claims. (Cl. 110—32)

1. In a stove or furnace construction, a fire box having a grate therein, said grate including grate bars provided with rearwardly and downwardly inclined forward portions and consisting of open-ended tubular members having their forward upper ends projecting at the front of the fire box for the admission of outside air thereto, an ash pit below the grate and fire box, a combustion chamber rearwardly of the ash pit and communicating with the fire box above the grate, said grate bars opening at their rear lower ends into the combustion chamber, a down-draft stack rising from the fire box and having an opening in the rear wall of the upper portion thereof for



the admission of outside air, said stack having an opening in the front wall thereof for the inlet of fuel directly above the grate, and a feed hopper for the fuel communicating at its bottom with said fuel inlet opening and adapted to feed the fuel onto the grate as fuel is consumed on the latter.

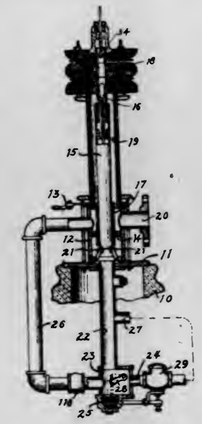
2,382,786

AIR BLAST CIRCUIT BREAKER

Charles V. Foulds, Berkeley, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California

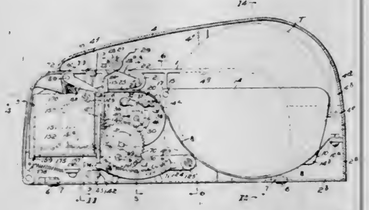
Application February 1, 1943, Serial No. 474,234

10 Claims. (Cl. 200—82)



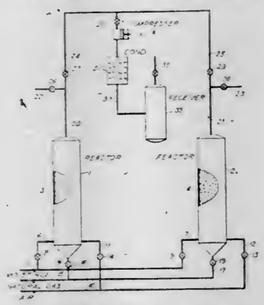
1. In a fluid-blast circuit interrupter, the combination of a fixed tubular current conducting member, a movable contact member engaging each end of said tubular current conducting member, said movable contact members being responsive to fluid pressure within said tubular current conducting member and forming the opposite terminals of an electrical circuit to be interrupted, and means for introducing a fluid under pressure into said tubular current conducting member, whereby said movable contact members will be moved in opposite directions and out of contact with said current conducting member to interrupt the circuit and permit an outward blast of an arc extinguishing fluid under pressure at each end of said tubular current conducting member.

2,382,787
STRIP SERVER
Trevor R. Gautier and Robert W. Hoitt, Nashua, N. H., assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application January 9, 1943, Serial No. 471,890
26 Claims. (Cl. 164—42)



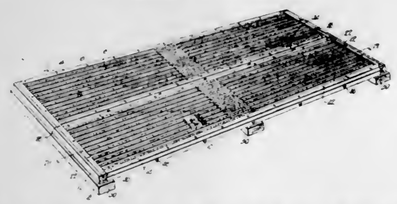
25. In a strip serving machine, in combination, a housing including spaced longitudinal frames providing a tape roll chamber, tape feed means including a driven roll and an opposed roll cooperable to advance the tape between them, a pair of shear members transverse of the tape path for severing advanced lengths of tape, one of said members being fixed and the other movable, means providing a guiding channel for the tape between the feed means and the shear members, a trough-like element on the machine housing at the fore end thereof beyond the shear members to receive and deliver severed lengths of tape, a depresser roll adapted to bear on the upper face of the tape forwardly of the shear members, a bottom guide for the tape between the shear members and said trough-like element, said guide having a forward portion rotatably supporting the presser roll and being pivoted on the frames at its rear portion for vertical movement about a horizontal axis closely in advance of the shear members, and an upper tape guide carried by the bottom guide, said guides adapted to conduct the tape below and in tangential relation to the presser roll and having rearwardly divergent rear edge portions to receive the leading end of the tape from the shear members irrespective of the position of the pivoted bottom guide.

2,382,788
ANHYDROUS HALOGEN ACIDS
Everett Gorin, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 19, 1943, Serial No. 479,804
10 Claims. (Cl. 23—152)



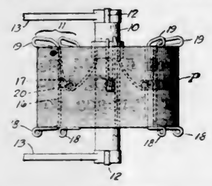
3. In a process for the production of substantially anhydrous hydrogen halides from moist halogen acids the steps of (1) flowing the moist halogen acid in the vapor state at a temperature above 350° C. in contact with a metal from the group consisting of silver, copper, lead and mercury to form the corresponding metallic halide, (2) removing the water vapor from the metallic halide, (3) passing a gaseous reducing agent selected from the group consisting of hydrogen and the normally gaseous hydrocarbons into contact with the metallic halides formed in step 1 at a temperature above 400° C. to form substantially anhydrous hydrogen halide, (4) separating the hydrogen halide from the metallic halide reduction product containing the reduced free metal, (5) utilizing at least a substantial portion of the metallic halide reduction product containing free metal from step 4 as the metal in step 1, and (6) recovering the hydrogen halide from step 4.

2,382,789
PORTABLE LANDING APRON AND RUNWAY
Emile S. Guignon, Jr., Kansas City, Mo.
Application April 15, 1943, Serial No. 483,169
4 Claims. (Cl. 94—13)



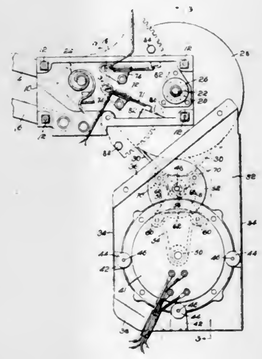
3. In apparatus of the character described, a runway section comprising side bars; end rails; a set of intermediate rails of uniform width spaced from each other a distance equivalent to the width of one rail; a pair of locking strips for clamping one end of said set of rails and an end rail therebetween; a rod extended transversely through said set of rails adjacent the other end thereof; a second set of intermediate rails interlaced with said first named set having downward and rearwardly inclined notches adjacent one end for engaging said rod; means for connecting the opposite end of said second set with the other end rail; and means on said side bars for detachably connecting one section to an adjoining section, said side bars having their ends engaged between the locking strips at the ends of the section whereby the side bars are secured to the end rails and the interlaced intermediate rails are held in a common plane.

2,382,790
REEL
Donald C. Hardie, Easton, Pa., assignor to Chipman Spinning Mills, Inc., Easton, Pa., a corporation of Pennsylvania
Application July 20, 1944, Serial No. 545,802
7 Claims. (Cl. 242—110)



1. A reel comprising a hub member with a series of radial socket holes and longitudinally-extending flutings aligned with said holes; a skeleton body formed by a plurality of radially-arranged components each fashioned from wire or the like with a yarn package engaging portion substantially in parallel relation to the reel axis and a sustaining leg portion, the free end of said leg portion being recessed into one of the flutings of the hub member and having a laterally directed terminal projection engaged in the corresponding socket hole; and a retaining collar on the hub member tightly-fitting over the embedded leg ends of the reel body components.

2,382,791
POWER DRIVE FOR WINDOW REGULATORS
Hillary L. Hill, Chelmsford, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application May 22, 1943, Serial No. 487,991
9 Claims. (Cl. 268—124)



1. A power-actuating unit for an automobile window regulator comprising a base plate having attaching brackets projecting adjacent two ends thereof between the sides, a thin flat motor carried by the plate with its axis transverse thereto, a drive pulley on the motor, a jack shaft on the plate parallel to said axis having a driven pulley belted to said driving pulley and a driving pulley adapted to be belted to the pinion shaft of the regulator, said mechanism being organized entirely within the space bounded by said two sides of the plate whereby the unit may be passed with endwise buttonholing motion through an opening in an interior door panel and secured marginally thereof.

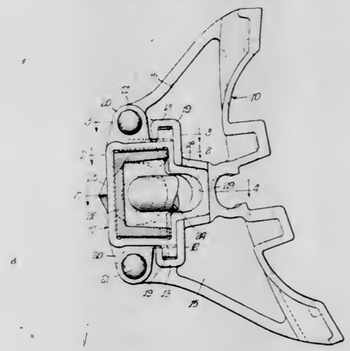
2,382,792
PLASTICIZING NEOPRENE
Louis H. Howland, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 6, 1942,
Serial No. 429,807
13 Claims. (Cl. 260—36)

1. A process of preparing a plastic conversion product of elastic polychloroprene which comprises milling a mixture containing the same in the presence of air with a reaction product of an aliphatic aldehyde and an amine selected from the group consisting of secondary aliphatic, secondary aralkyl, secondary alicyclic and secondary heterocyclic amines.

2,382,793
PRODUCTION OF SULPHENE AMIDES
Louis H. Howland, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 8, 1943,
Serial No. 482,338
9 Claims. (Cl. 260—306.6)

1. A method of preparing sulphene amides which comprises reacting a thiazyl 2-sulphene amide having an unsubstituted amide group with an amine stronger than ammonia and having at least one replaceable hydrogen atom.

2,382,794
BRAKEHEAD AND BRAKE BEAM ADAPTER
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1944, Serial No. 536,392
4 Claims. (Cl. 188—226)



1. A brake head and adapter of the character described comprising a hollow member open at one side to receive the end of a compression element and having an opening in the opposite side surrounded by an annular sloping boss to receive the end of a tension rod, the forward side wall of the member intermediate its ends being outwardly off-set and flared on its inner side to seat about the tension rod while the upper and lower ends of said wall terminate in vertically disposed flanges tapering toward one of their ends; the top and bottom sides of the member having vertically disposed apertured ears; a brake head provided on its rear side with a transversely disposed socket adapted to receive the outwardly off-set forward wall portion of said member and having transversely disposed grooves tapering toward one of their ends adapted to receive the tapered flanges of said member, said rear side of the brake head having a pair of apertured lobes adapted to align with the apertured ears of said member; and means disposed through the apertures of said ears and lobes whereby the brake head is secured to said member against movement.

2,382,795
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 21, 1944, Serial No. 519,102
5 Claims. (Cl. 139—96)

5. In a loom harness, a plurality of heddles for controlling the warp ends, rods for supporting

said heddles, each of said heddles being made of a thin flat metal strip having a central warp eye and having mortises at each end for mounting said heddles on said rods, each of said heddles also having a straight portion extending above and below the central warp eye and having por-



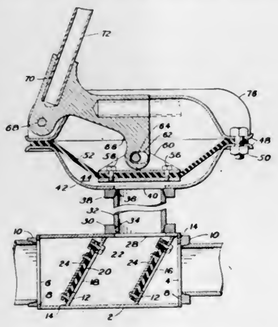
tions bent out of the plane of the main body portion of the heddle to provide longitudinal flexibility, said bent out portions being disposed between said straight portions and the end mortises and being cut away to provide a reduced cross-section of said bent out portions.

2,382,796
HECTOGRAPH PRINTING INK
Nelson S. Knaggs, Cincinnati, Ohio, assignor to Moore Business Forms, Inc., a corporation of Delaware
No Drawing. Application August 7, 1942, Serial No. 453,951
10 Claims. (Cl. 106—22)

1. A hectograph printing ink having a spirit soluble dye concentration wherein the dye content is in excess of approximately 39.5 per cent by weight, and containing a solvent for the dye and for the later mentioned retarding agent, said solvent having a boiling range substantially between 55° C. and 160° C., the film transferring properties of said ink being augmented by incorporation therein of approximately 0.1 per cent to 3 per cent by weight of a film forming retarding agent.

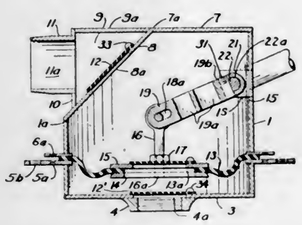
2,382,797
BILGE PUMP
Thomas Langan, Annapolis, Md.
Application November 9, 1944, Serial No. 562,654
2 Claims. (Cl. 103—150)

1. In a pump of the type described, passage means forming an elongated substantially horizontal passage having inlet and outlet openings at opposite ends thereof, respectively, one-way valves operating in the same direction spaced along said passage, means defining a chamber above said passage, a diaphragm extending substantially horizontally across said chamber, means for reciprocating said diaphragm vertically whereby to expand and contract said chamber, and a substantially vertical conduit downwardly connecting the lower portion of said chamber and the portion of said passage between said valves, said conduit having a horizontal cross-section substantially smaller in area than the area of said diaphragm, said means defining the chamber comprising a rigid shell having upper and lower portions with the edges of the diaphragm clamped therebetween, said diaphragm being of flexible elastic material, a rigid reinforcing element disposed centrally of said diaphragm, said reinforcing element comprising a ring on the lower side of the diaphragm of a radial extent greater than the upper end of the conduit and overlying the latter, plate means on the upper side of the diaphragm overlying the



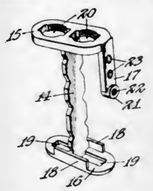
ring and secured to the latter, upstanding lugs on the plate means, the means for reciprocating said diaphragm comprising a crank arm, lost motion slots disposed generally horizontally at one end of said crank arm, pivot means extending through said slots and said upstanding lugs, means pivotally connecting the other end of said crank arm to the edge of said shell, and a handle for rocking said crank arm.

2,382,798
BILGE PUMP
Thomas Langan, Annapolis, Md.
Application November 27, 1944, Serial No. 565,246
9 Claims. (Cl. 103—151)



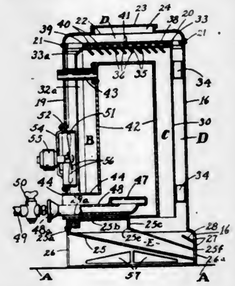
1. In a bilge or the like pump, a housing enclosing a chamber, a flexible diaphragm extending across said chamber and dividing the same into lower and upper compartments, said diaphragm having its edges affixed to said housing and having an aperture therethrough, said housing having inlet and outlet apertures for said lower and upper compartments, check valves operatively controlling said apertures, and means for reciprocating said diaphragm, comprising a drive shaft extending through the upper portion of said housing with the end portions of said shaft lying externally of said chamber and an intermediate portion of said shaft lying within the chamber, bearing means on said housing supporting said shaft for oscillation, a crank arm rigidly affixed to said intermediate portion of said shaft, linkage means connecting said diaphragm and said crank arm, and means on said end portions of said shaft for oscillating said shaft.

2,382,799
BRUSH HOLDER
Lawrence D. Leach and Leonard G. Strom, Minneapolis, Minn.; said Strom assignor to said Leach
Application May 1, 1944, Serial No. 533,474
3 Claims. (Cl. 171—324)



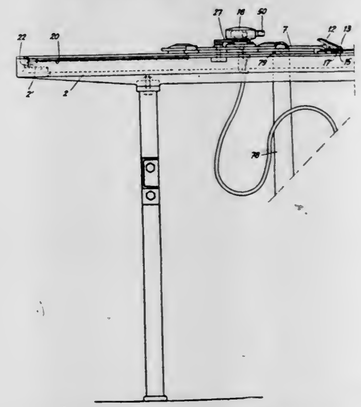
1. In a monolithic brush holder molded from insulating material and comprising a flattened body portion and an enlarged head—a metallic frame member consisting of a supporting leg, a base plate, a head plate, and a terminal arm, said base plate having laterally spaced rectangular openings, said head plate having laterally spaced circular openings aligned with the openings in the base plate, said supporting leg being secured at the base and head plates intermediate the spaced openings, said molded body portion having laterally spaced parallel guide passages, intercommunicating between the aligned openings in the head and base plates, and said terminal arm being secured to and depending from the head plate and terminating in a screw threaded boss, the outer surface of said boss being flush with the side surface of the molded body portion.

2,382,800
FORCED DRAFT HEATER
Eugene W. Logue, Caldwell, Kans., assignor to Julia E. Logue, Caldwell, Kans.
Application February 6, 1942, Serial No. 429,737
3 Claims. (Cl. 126—110)



1. In a heater of the character described, the combination of an external housing, a sub-housing positioned inside the external housing and spaced therefrom, said housings defining an insulating passage between them; a heating drum positioned inside the sub-housing, said sub-housing and drum defining a heating passage between them; burner means for heating the interior of said drum; passage forming means at the base of the heater for the horizontal discharge of a layer of cool air at the level of the floor; heated air discharge means, located just above said cool air discharge passage, and in communication with said insulating passage and with said heating passage, for receiving heated air from both said passages, and discharging said heated air onto the aforesaid layer of cool air; said insulating passage communicating with said heated air discharge means at the outer, upper portion thereof, so as to supply to said heated air discharge means an upper layer of slightly warmed air for discharge therefrom, and fan means communicating with said cool air discharge means, with said heating passage and with said insulating passage, for causing cool air to circulate through said cool air discharge passage, and for causing air to circulate through said insulating passage and through said heating passage, the air in the insulating and heating passages becoming heated and then being discharged onto said cool air layer as aforesaid.

2,382,801
ADJUSTING AND CONTROL DEVICE FOR MATERIAL WORKING MACHINES
Gottfried Maurer, Zurich, Switzerland, assignor to the firm Müller A.-G. Brugg, Maschinenfabrik und Eisengiesserei Brugg, Brugg, Switzerland, a joint-stock company of Switzerland
Application April 22, 1943, Serial No. 484,059
In Switzerland April 17, 1942
12 Claims. (Cl. 164—48)



1. In a machine of the character described, a frame, a tool, and an adjusting device comprising, an adjusting means for adjusting a work piece with regard to said tool, a movable carrier adapted to convey a work piece to said tool in such a way that its edges are forced to remain parallel to themselves and, together with the work piece, to be adjusted with regard to said tool by said adjusting means, a member adapted to be rigidly connected with said carrier, and a stop adapted to cooperate with said member for automatically stopping said carrier in the position of the work piece required for being worked upon.

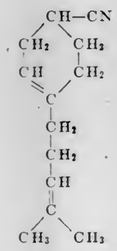
2,382,802
EMULSION COPOLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS AND MONO-VINYL COMPOUNDS COPOLYMERIZABLE THEREWITH
William E. Messer, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 3, 1942, Serial No. 429,389
14 Claims. (Cl. 260—84.5)

1. In the copolymerization of an aqueous emulsion containing a butadiene-1,3 hydrocarbon and a mono-vinyl compound copolymerizable therewith, with the aid of a polymerization cat-

alyst, the step of carrying out the polymerization in the presence of an unsubstituted naphthyl mono-mercaptan, the butadiene-1,3 hydrocarbon constituting a major proportion of the polymerizable material.

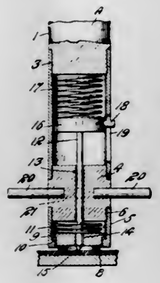
2,382,803
REACTION PRODUCTS OF DIENES AND PROCESS OF PRODUCING SAME
Alexander A. Miller, Stamford, Conn., and Theodore F. Bradley, Edgewood, Md., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application March 24, 1943, Serial No. 480,332. Divided and this application July 29, 1944, Serial No. 547,292
2 Claims. (Cl. 260—464)

1. A compound having the following probable formula:



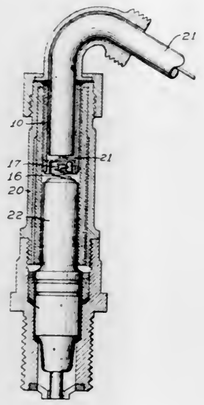
being the reaction product of equimolecular proportions of myrcene and acrylonitrile.

2,382,804
MUSIC CHARACTER PRINTING
David L. Morrison, Bloomfield, N. J.
Application March 28, 1944, Serial No. 528,382
3 Claims. (Cl. 101—368)



1. A device of the character described comprising a manually operable holder, a marking element mounted on one end of said holder to be placed in contact with a surface and being invisible during the marking operation, a locator pin projecting longitudinally from said end of the holder centrally of said marking element to engage said surface at the point where contact of said element with said surface is to be made, said pin being yieldingly retractable into said holder as it is pressed against said surface, and indicators projecting laterally from said holder in predetermined fixed relation to said element for orienting said element horizontally and vertically relatively to said surface.

2,382,805
SPARK PLUG TERMINAL
Edwin Mosthaf, Mount Vernon, N. Y.
Application April 20, 1943, Serial No. 483,821
2 Claims. (Cl. 173—269)



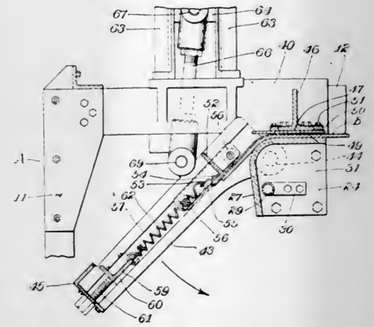
1. In a spark plug terminal, a ceramic insulating tube fired to vitrification for receiving through one end a cable, a flanged metal cup inserted within the other end of said tube with the flange abutting the end face of said tube and glass-fired thereto and forming within the tube an insulated metallic wall having a web extending transversely within the tube, and resilient contact means secured to the metallic web and extending axially of the tube adapted to contact the core terminal of a spark plug, thereby acting as a electrical conductor between a cable and the core terminal of a spark plug.

2,382,806
SYNTHETIC PLASTIC ARTICLE AND METHOD OF MAKING THE SAME
James F. Motson, Fox Chase Manor, Pa.
Application February 3, 1943, Serial No. 474,602
4 Claims. (Cl. 95—5)



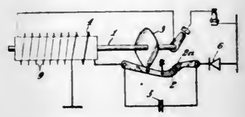
4. The method of making indicia bearing plates and the like of synthetic plastic material which consists in coating a fluorescent material carrying portion of synthetic plastic material with a light sensitive material, disposing a translucent indicia carrying sheet over said coated surface and exposing the exterior face of the indicia carrying sheet to a light source, removing the unexposed sensitized material with an alcohol containing agent and simultaneously depositing nigrosine in alcohol solution on the portions of the plastic material surface exposed to the light source, to shield the same from normal visual and fluorescent visual observation and applying a transparent protective coating over the outer surface.

2,382,807
METHOD AND APPARATUS FOR BENDING SHEET MATERIAL
Warren H. Nobles, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application September 21, 1942, Serial No. 459,194
12 Claims. (Cl. 18—19)



12. The method of bending composition board on a convex mandrel with a flexible sheet anchored at one end adjacent said mandrel, the method consisting in placing the board on the mandrel, clamping the end of the board on one side of the mandrel in fixed position, wrapping the flexible sheet about the mandrel, pressing the board toward the mandrel with the flexible sheet engaging the board at the point of bend, and gradually increasing the tension on the sheet during the bending operation.

2,382,808
MAGNETO IGNITION DEVICE WITH INTERRUPTER FOR INTERNAL-COMBUSTION ENGINES
Walter Ochsenbein, Bern, Switzerland, assignor to Hasler A. G. Werke für Telephonie und Prazisionsmechanik, Bern, Switzerland
Application June 12, 1943, Serial No. 490,704
In Switzerland February 2, 1942
6 Claims. (Cl. 123—148)

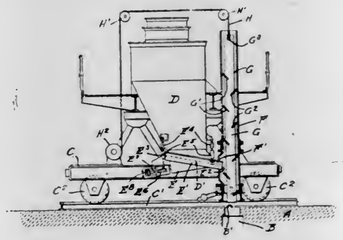


1. A high tension magneto ignition system for internal combustion engines comprising a multipolar magneto including a magnetic core having a primary and secondary winding thereon with the primary winding adapted to have an alternating current generated therein, a primary circuit comprising said primary winding and interrupter contact points adapted to be opened intermittently for inducing a high voltage in said secondary winding, a cam shaft driven by the engine carrying a cam for operating the interrupter to effect the intermittent breaking of said contact points, a distributor in the secondary circuit operated by the engine synchronously with the interrupter for successively firing the spark plugs of the engine, and a rectifier in said primary circuit for disabling the inductive effect in said secondary circuit during one-half of the alternating current cycle to reduce the number of spark plug firings to half of that normally obtained in conventional magneto ignition systems.

2,382,809
COKING EXPANDING COAL
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 3, 1942, Serial No. 433,119
1 Claim. (Cl. 202—30)

The method of preparing and coking a low volatile, expanding coal for high temperature carbonization in a coking chamber, which consists in finely subdividing the coal to such fineness that about eighty per cent of the coal will pass a No. 10 (1680 micron) screen and wetting the coal with water to give it a moisture content of from eight to twenty per cent by weight of the coal to thereby form a crumbly mass and agitating said mass and thereby increasing the aggregate volume of the space between the coal particles so that the weight of the coal in a cubic foot of the wetted coal mass is less than forty-five pounds, and in coking the coal so prepared in a deep, narrow and horizontally elongated coking chamber of standard type used in the manufacture of metallurgical coke.

2,382,810
CHARGING COKE OVENS
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application May 19, 1942, Serial No. 443,590
4 Claims. (Cl. 202—262)

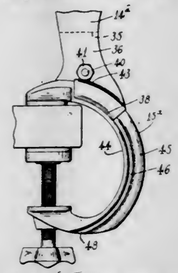


1. Means for charging coal into a coking chamber through an opening in the top wall of the latter, comprising means for passing a stream of coal downward through said opening, coal retarding means extending through said opening into position to be engaged by and thereby decrease the downflow velocity of, the coal falling through said opening, and means for raising said retarding means as the depth of the charge of coal being formed increases.

2,382,811
ADJUSTABLE CLAMP FOR FOOD CHOPPERS OR THE LIKE
David Papkin, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application November 6, 1943, Serial No. 509,301
1 Claim. (Cl. 248—226)

A clamp member for a food chopper having a casing, a supporting pedestal therefor, and a feed screw rotatably mounted in the casing, said clamp having a C-shaped body portion to embrace a support, a clamping screw extending through one end of said portion, means for securing said pedestal to said clamp in a plurality

of positions, said means comprising a projecting rib provided on the outer surface of the clamp,



clamping means on the lower end of the pedestal to embrace said rib, and means for securing said clamping means upon the rib.

2,382,812

PHOSPHORUS CONTAINING PLASTIC POLYMERS FROM 1,3-DIENES

Joseph Lloyd Parker, Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 15, 1942, Serial No. 454,986

14 Claims. (Cl. 260—86.5)

1. A process for making a plastic material resembling uncured natural rubber which comprises polymerizing a 1,3-diene of the class consisting of 1,3-butadiene hydrocarbons and haloprenes in aqueous emulsion in the presence of from 0.1 to 3.0 per cent, based on the weight of the polymerizable material, of a compound of the formula



wherein R_1 is a hydrocarbon radical and R_2 is a member of the group consisting of hydrogen and hydrocarbon radicals.

2,382,813

VULCANIZATION OF RUBBER

Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 31, 1944, Serial No. 552,206

10 Claims. (Cl. 260—795)

1. A method of vulcanizing a rubber which comprises incorporating therein sulfur, a primary organic rubber-vulcanization accelerator, and a compound having the general formula Aryl—S—NH_2 where aryl represents an aromatic nucleus of the group consisting of the benzene and naphthalene series, having a nuclear carbon atom directly bonded to the S, and which nucleus is further substituted by an electro-negative group.

2,382,814

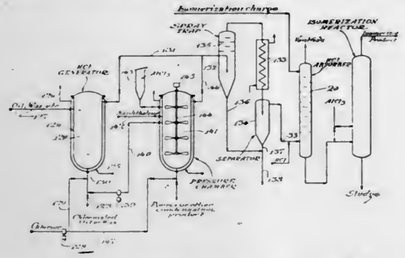
HYDROGEN CHLORIDE-ALUMINUM CHLORIDE HYDROCARBON CONVERSION PROCESSES

Wayne A. Proell, Chicago, Ill., and Frank K. Ovitz, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 15, 1941, Serial No. 422,988

5 Claims. (Cl. 260—683.5)

1. In a process for producing saturated paraffinic hydrocarbons of branched-chain structure from hydrocarbon charging stocks by means of an aluminum chloride catalyst activated by hydrogen chloride, the improved method of operation which comprises introducing a hydrocarbon charging stock at the upper part of an absorption zone at a presure within the general vicinity of 50 to 350 pounds per square inch, introducing a hydrogen chloride gas stream containing gaseous impurities at a low point in said absorption zone, said impurities being less soluble than hydrogen chloride in said charging stock withdrawing charging stock containing dissolved hydrogen chloride from the base of said absorption zone, heating the withdrawn solution and contacting it with said catalyst for effecting a conversion to produce saturated paraffinic hydrocarbons of



branched-chain structure, separating from said products a gas stream containing hydrogen chloride and gaseous impurities less soluble in the charging stock than hydrogen chloride and returning said stream from introduction at said low point in said absorption zone, separately generating make-up hydrogen chloride containing gaseous impurities less soluble in the charging stock than hydrogen chloride under superatmospheric pressure, introducing said generated make-up hydrogen chloride and gaseous impurities as a gas stream at a low point in said absorption zone directly from said generating step without compression and without liquefaction, and withdrawing from the top of said absorption zone unabsorbed gaseous impurities introduced thereto with said hydrogen chloride streams.

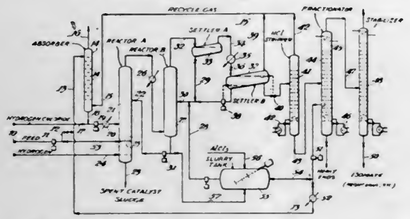
2,382,815

HYDROCARBON CONVERSION SYSTEM

Mack Sutton, Hammond, and Cecil W. Nysewander, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application August 13, 1942, Serial No. 454,656

10 Claims. (Cl. 260—683.5)



5. The method of operating an aluminum chloride isomerization process which comprises introducing an aluminum chloride hydrocarbon complex, a hydrocarbon charging stock and hydrogen chloride into a conversion zone, withdrawing hydrocarbons together with gases and vapors from the upper part of said conversion zone, withdrawing spent catalyst from the lower part of said conversion zone to a stripping zone, introducing hydrogen at the lower part of the stripping zone, passing the hydrogen from the upper part of the stripping zone to the lower part of the conversion zone and withdrawing spent catalyst from the lower part of the stripping zone.

2,382,816

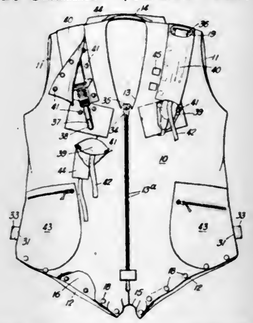
AVIATOR'S GARMENT

John Raymond Cuthbert Quilter and James Gregory, Woking, England

Application August 7, 1943, Serial No. 497,796

In Great Britain March 8, 1943

10 Claims. (Cl. 244—143)



1. An aviator's garment combined with parachute harness, comprising a loose-fitting jacket having two wide and independent leg-openings and adapted to open down the front to a point near the crotch, a detachable lining for said jacket, and harness located between said jacket and lining, said harness being normally slidable in relation to the aviator's body and including lift-straps extending out through said jacket, chest-straps slidably connected to said lift-straps, separable means for connecting adjacent ends of said chest-straps near the front opening of said jacket, a waist-belt having its forward ends slidably connected to said lift-straps, and quickly adjustable leg-loops around said leg-openings, said leg-loops being connected to said lift-straps and having free ends extending out through said jacket to within reach of the aviator's hands for effecting the quick adjustment of said leg-loops.

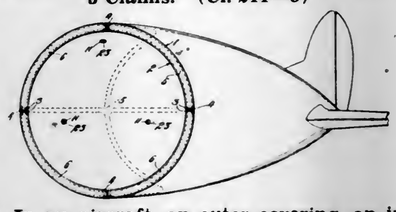
2,382,817

PROTECTIVE MEANS FOR AIRCRAFT

Ernest H. Reiss, Floral Park, N. Y.

Application August 24, 1943, Serial No. 499,804

3 Claims. (Cl. 244—5)



1. In an aircraft, an outer covering, an inner lining spaced therefrom, a gas-filled bag disposed between the lining and outer covering, said bag including an outer casing, an inner tube within the casing, and spacing means consisting of projections formed on the inside of the outer casing for holding the inner tube spaced from the inside of the outer casing.

2,382,818

CORROSION PREVENTION

Herbert D. Rhodes and Roger W. Watson, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

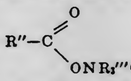
No Drawing. Application December 21, 1942, Serial No. 469,702

13 Claims. (Cl. 252—51)

1. A rust inhibiting oil composition adapted for use in the presence of water in systems containing metal susceptible to corrosion by said water comprising an oil and a hydroxylamine compound selected from the group consisting of a hydroxylamine having the general formula



in which R and R′ are substituents selected from the group consisting of hydrogen, a hydrocarbon substituent and an ester residue and a salt of hydroxylamine having the general formula



in which R″ and R‴ are substituents selected from the group consisting of hydrogen and a hydrocarbon substituent, said hydroxylamine compound being used in small but sufficient quantity to inhibit the corrosion of said metal.

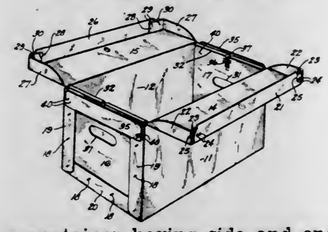
2,382,819

CONTAINER

John R. Richards and Charles W. Evert, Milwaukee, Wis., assignors to Downing Box Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 11, 1944, Serial No. 521,936

8 Claims. (Cl. 229—44)



1. In a container having side and end walls, each end wall having an upper edge portion folded downwardly on the outer side of the end wall and then upwardly to provide an upwardly opening channel, there being a slot extending downwardly from the upper edge of each end wall and there being a registering slot formed in the downwardly folded part of each channel, complementary cover members hinged to said side walls and foldable toward one another over the container, and side and end flanges on each cover member, said side flanges being received in the upper edge slots of the end walls and said end flanges being received in said end wall channels when the cover members are closed.

2,382,820

SPEED VARYING GEAR MECHANISM

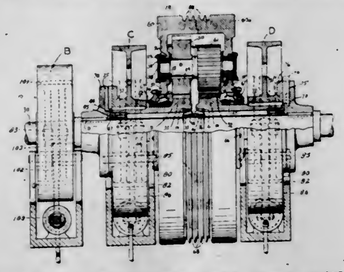
Fredrich J. Rode and Meredith R. Hatch, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application March 24, 1942, Serial No. 436,002

6 Claims. (Cl. 74—290)

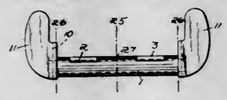
1. Speed varying mechanism comprising a flywheel, two sets of cluster gears mounted therein

for rotation with said flywheel, one set differing from the other in size, said cluster gears being adapted alternatively to drive a machine shaft, two sun gears, one of said sun gears mounted for engagement with each of said cluster gears, combined thrust and roller bearings mounted on said machine shaft for carrying said sun gears, two clutch members, one secured to each sun gear,



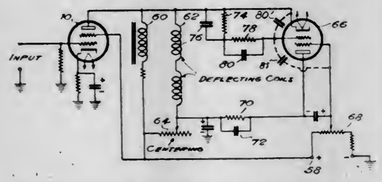
to connect or disconnect said gear with said machine shaft, two hubs rigidly fastened on said shaft and a removable member, both said hubs and the removable member cooperating alternatively with one of said clutch members in connecting one of said gears with said machine shaft and a brake mounted on said machine shaft for stopping the rotation of said shaft.

2,382,821
UNIVERSAL SHOE FIXTURE FOR ORTHOPEDIC ATTACHMENTS
Nathan Rosenthal, Newton, Mass.
Application March 20, 1945, Serial No. 583,808
3 Claims. (Cl. 36—8.5)



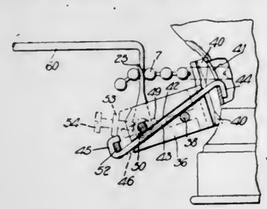
1. A universal fixture of the kind described for attachment to the sole structure of boots and shoes, which comprises an integral tubular member with right-angled attaching flanges, said member being adapted for severing in the middle portion to permit widthwise addjustment of the fixture to the shoe.

2,382,822
CATHODE RAY BEAM DEFLECTING CIRCUITS
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1942, Serial No. 449,076
16 Claims. (Cl. 175—335)



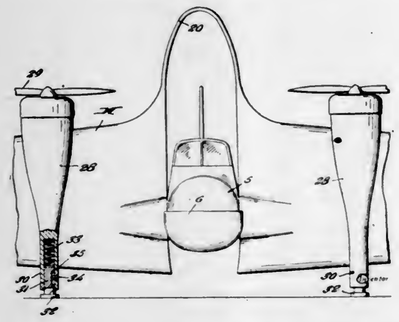
1. A system for deflecting a cathode ray beam comprising a deflection power tube having a cathode, a control electrode and an anode, a cathode ray beam deflecting coil coupled in the anode-cathode circuit of said tube, means for applying voltage variations of a predetermined wave form between the control electrode and cathode of said power tube to produce current variations in said deflecting coil, an inverted tube having a cathode, a control electrode and an anode, means to connect the electron path of said inverted tube across said deflecting coil to produce a current flow through said deflecting coil in opposition to the current flow produced by said power tube, a differentiating network responsive to the potential variation produced across the deflecting coil for generating a voltage variation of a predetermined wave form, and means to apply the generated voltage variation of predetermined wave form between the cathode and control electrode of said inverted tube.

2,382,823
SWITCH OPERATING DEVICE
Benjamin Schoenberg, Corona, N. Y.
Application May 26, 1943, Serial No. 488,521
5 Claims. (Cl. 240—123)



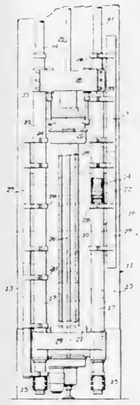
1. A pull chain operating device for electric fixtures having a pull chain and a pull chain opening therein, comprising a rigid body member, a hooked member adjustably mounted upon the body member for holding engagement with a portion of the edge of the pull chain opening of the fixture, means for securing the hook member in adjusted holding engagement with the edge of said pull chain opening to cooperate with said body member while the latter bears against the fixture so as to retain the device in functioning position, a pull chain operating lever pivotally mounted upon the body member, and means for operatively connecting the pull chain of the fixture to the operating lever.

2,382,824
AIRPLANE-HELICOPTER
Oscar A. Solomon, North Tonawanda, N. Y.
Application April 24, 1942, Serial No. 440,357
1 Claim. (Cl. 244—7)



An airplane comprising a fuselage, wings pivotally connected to the fuselage for swinging on a horizontal axis laterally with respect to the fuselage, means securing the wings in a desired position, a yoke connecting the wings for uniform movement, said yoke conforming to the contour of the front end of the fuselage and adapted to fit thereon when the wings are horizontally arranged, and catch means carried by the fuselage releasably engaging the yoke for securing the wings with their surfaces in a horizontal position.

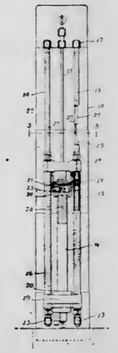
2,382,825
WORK SUPPORTING CARRIAGE
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application May 15, 1944, Serial No. 535,680
3 Claims. (Cl. 308—3)



1. In a machine for performing work on a workpiece, a vertically extending base portion, a vertically reciprocable carriage having a pair of vertically spaced cross heads thereon, vertical guide means on said base portion for guiding said carriage for vertical movement, the uppermost of said cross heads being slidably guided on said carriage for vertical adjustment toward and away from the lowermost of said cross heads, releasable means for clamping said uppermost cross head to said carriage, and extendable means carried by said base portion and being extendable to a position to support said uppermost portion independently of said carriage whereby upon release of said clamping means said carriage may be vertically moved relative to said uppermost cross head.

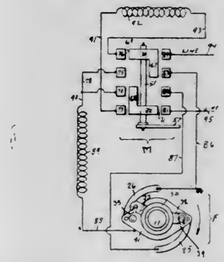
2,382,826
RECIPROCABLE CARRIAGE
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application May 19, 1944, Serial No. 536,239
4 Claims. (Cl. 308—3)

1. In a device of the character described having a frame, a guide rod spaced from said frame and secured at its ends to said frame and a carriage reciprocably mounted on said guide rod, means for preventing deflection of said guide rod during reciprocation of said carriage thereon comprising a guide bar rigidly secured to said frame parallel to said guide rod, bracket means rigidly secured to said carriage, and a pair of rollers carried by said bracket means and having their axes of rotation disposed transversely of the axis of said guide rod. said rollers engaging



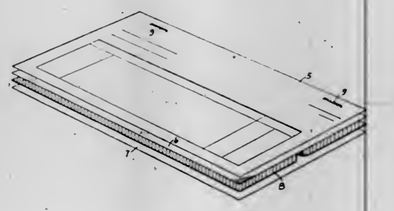
said guide bar at opposite sides thereof for rolling engagement therewith during reciprocation of said carriage.

2,382,827
REVERSING SPLIT-PHASE MOTOR
Chester E. Sprague and Nelson M. Sprague, Portland, Oreg.
Application September 1, 1942, Serial No. 456,848
4 Claims. (Cl. 172—279)



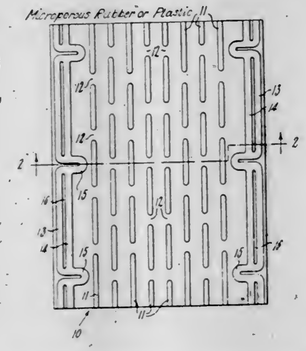
1. A motor control system for a motor having starting and running windings and a speed responsive switch operating element; including a main control switch for energizing and deenergizing the starting winding of the motor for starting and stopping the motor and a reversing switch operable with the main control switch for operating the motor in a forward or a reverse direction, a pair of switches each normally urged to open position but closed by the speed responsive operating element of the motor when the motor is at rest, said pair of switches cooperating with the reversing switch and the main control switch for energizing the starting winding of the motor for starting the motor in either direction until the motor speed responsive switch operating element moves, and means engaged and moved by said speed responsive switch operating element during the initial movement thereof to hold one switch of said pair of switches from opening while permitting the other switch of said pair to open to deenergize the starting winding after the motor has started, whereby movement of the control and reversing switches for a reverse energization of the starting winding for operation of the motor in the reverse direction will effect an immediate energization of the starting winding for that purpose, even before the motor comes to a stop.

2,382,828
SAFETY RECORD PAPER
Bernard J. Staneslow, Niagara Falls, N. Y., assignor to Moore Business Forms, Inc., a corporation of Delaware
Application July 31, 1940, Serial No. 348,941
9 Claims. (Cl. 117—1)



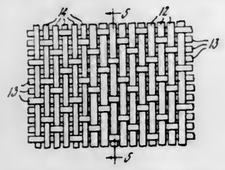
1. A method of treating paper to make safety record paper, including, applying to the paper substantially throughout its inscription receiving area a solution in a volatile liquid of oil together with a substance solvent to dyes in inscribing material and causing the solution to be absorbed into the body of the paper, said solvent substance being selected from the group consisting of diglycol laurate and glyceryl monoricinoleate, and then evaporating the volatile liquid by application of heat.

2,382,829
BATTERY SEPARATOR
Sherman I. Strickhouser, Edgewood, and Edwin C. Uhlig, Greenwood, R. I., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 5, 1944, Serial No. 529,602
3 Claims. (Cl. 136—145)



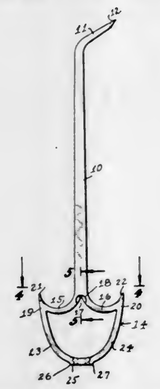
2. A battery separator comprising a microporous sheet of vulcanized hard rubber having raised distended ribs upon one face and corresponding indentations at the other face so that the thickness of the material of said ribs does not exceed the thickness of the non-ribbed portion of the sheet and the electrolytic conductivity is approximately the same for all parts of the separator, the longitudinal central area of the sheet having the above mentioned ribs well spaced, and each marginal side edge of the sheet having a plurality of said ribs disposed side by side so that they almost contact and have stiffening looped ribs extending laterally therefrom in the plane of the separator.

2,382,830
IRONING BOARD COVER
Herbert E. Sunbury, Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1945, Serial No. 578,823
4 Claims. (Cl. 28—80)



1. A long life, fire-resistant cover for household ironing boards, comprising a woven fabric having a body area formed of asbestos warps and asbestos wefts that are interwoven with a broken twill weave, and integral side borders formed of interwoven cotton warps and asbestos wefts, to thereby provide a smooth non-inflammable fabric that covers the top of the board and more flexible borders adapted to conform closely to the rounded side edges of the board, the warps in the body area being larger than the wefts and disposed predominantly at the ironing surface and impregnated with a fiber laying resin.

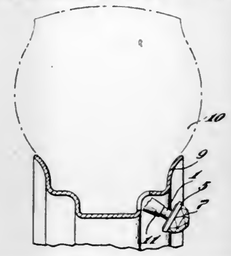
2,382,831
WRECKING BAR
Michael Tabellione, Meriden, Conn.
Application October 19, 1944, Serial No. 559,384
3 Claims. (Cl. 254—25)



1. In a combined nail-puller and wrecking bar, an elongated handle, a substantially semi-circular open bottom frame connected to the lower end of said handle, said frame having a pair of upturned side nail-pulling claws at the upper end thereof, and a central nail-pulling claw at the junction of said handle with said frame, said frame also having a flat apertured base including a V-shaped interior nail-pulling claw.

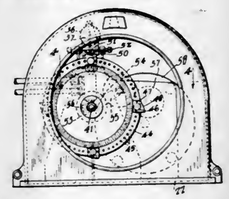
2,382,832
SIGNAL DEVICE FOR VEHICLES
Charles Warren Thornton, Framingham, Mass.
Application April 14, 1944, Serial No. 530,988
2 Claims. (Cl. 88—81)

1. A reflector signal for use with vehicle wheels provided with pneumatic tires, said signal comprising a disk-like head having at one side thereof a reflecting element and a transparent faceted housing for the latter, and having at its other side a nipple extending axially of the head, the



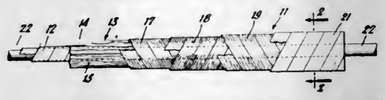
nipple being internally screw threaded for engagement with the screw threads of the tire valve stem, the signal thus being operative to act in substitution for the usual valve cap.

2,382,833
PRECISION TIMER
Edward Timbs, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1944, Serial No. 541,834
7 Claims. (Cl. 161—7)



1. A timer including a valve member adapted to control the flow of a fluid under pressure, a valve actuating member, a rocker member, means for pivotally supporting the rocker member, means operatively interposed between the valve actuating member and the rocker member for moving the valve actuating member when the rocker member is rocked to one position, the rocker member carrying thereon a weight member adapted to pass over the pivot and to retain the rocker member in position to which it is rocked on its pivot, and a pair of actuating discs having means adjustably positioned upon their periphery for engaging the rocker member to periodically rock the same around the pivot, and means for driving the disc members.

2,382,834
LAMINATED TUBING
James N. Tynan, Chicopee, Mass., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application October 13, 1942, Serial No. 461,906
13 Claims. (Cl. 138—79)



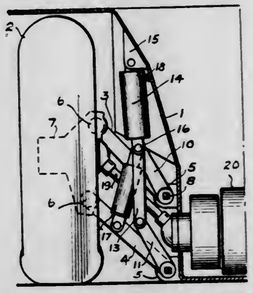
10. A tubular structure including a tubular wooden core having the grain extending longitudinally thereof; and a spirally wound strip of wood having the turns thereof in edge-abutting relation and adhesively bonded together and to the core, said strip of wood having continuous edge grain therein extending throughout the thickness thereof and longitudinally thereof and disposed in spiral relation to the grain of the tubular core.

2,382,835
LOAD-CARRYING MEMBER
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1943, Serial No. 476,534
5 Claims. (Cl. 189—37)



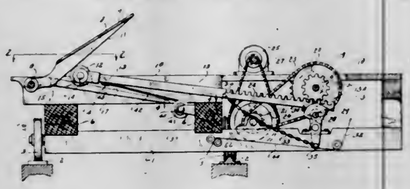
3. A load-carrying structure having a curved outer edge, as an airfoil rib, comprising in combination, a web having marginal cap-strip portions conforming to the curved outer edge contour, and chordal members adjacent each edge, each chordal member including a series of rectilinear pieces secured to the web and secured together at their juxtaposed ends adjacent the outer edge.

2,382,836
TRANSPORTABLE GUN MOUNT
Maurice Walter, Atlantic Beach, N. Y.
Application November 13, 1941, Serial No. 418,903
9 Claims. (Cl. 89—40)



3. In mobile artillery having a frame with a gun mount thereon and wheels for supporting said frame, means associated with each wheel for raising and lowering said frame and for supporting the frame as a sprung load, each of said means comprising a bearing yoke for the respective wheel, parallel arms connected to said bearing yoke and pivotally movable about axes extending longitudinally of said frame, torsion bars mounted on said frame and each connected at one end to a different one of said arms, lifting members connected to the opposite end of each of said bars, and hydraulic means connected to said lifting members and to the frame to actuate the lifting members and torsion bars to raise and lower the frame.

2,382,837
LOG TURNER
John A. Weber, Portland, Oreg., assignor to John T. Anderson, Portland, Oreg.
Application June 22, 1943, Serial No. 491,815
9 Claims. (Cl. 143—97)

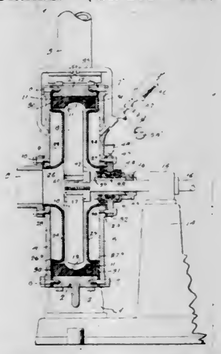


1. A log turner, a turning bar, a rack bar to operate the turning bar, a power driven pinion to operate the rack bar, an element movable to provide for cooperating engagement or disengagement of the rack bar and pinion, means for operating said element at will to compel engagement between the rack bar and pinion, and means actuated solely in the movement of the rack bar for automatically operating said element to provide for disconnection between the rack bar and pinion following predetermined movement of the rack bar.

2,382,838
PROCESS OF MAKING POLYETHYLENE AMINE DERIVATIVES OF FOSSIL RESINS AND PRODUCT PRODUCED THEREBY
Karl H. Weber, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application May 29, 1943, Serial No. 489,068
4 Claims. (Cl. 260—102)

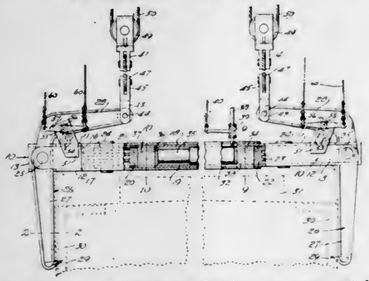
1. In a process for the manufacture of amides of fossil resins, the step which comprises heating fossil resins in normal condition with a polyethylene amine containing at least two ethylene groups, for a sufficient period of time at a temperature sufficiently high to cause amide formation without material distillation of the unreacted polyethylene amine during the process of reaction.

2,382,839
CENTRIFUGAL PUMP
Charles Erb Wuensch, Saratoga, Calif.
Application June 5, 1944, Serial No. 538,793
3 Claims. (Cl. 103—114)



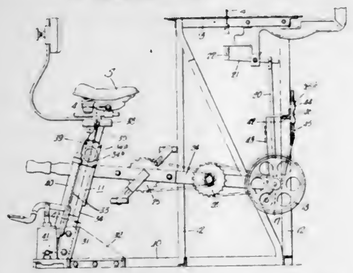
1. A centrifugal pump comprising in combination a case having side plates forming an enclosing casing with inlet and outlet openings, an impeller in said casing between said openings, resilient diaphragms interposed between said covers and forming pressure chambers on the opposite sides of said impeller, and means for varying the pressure in said chambers to deflect said diaphragms relative to said impeller.

2,382,840
SELF-ADJUSTING HOISTING MEANS FOR SUNKEN SHIPS
Carl M. Zoll, Metairie, La., assignor to Marine Salvage & Equipment, Inc., Baltimore, Md.
Application August 11, 1944, Serial No. 549,027
14 Claims. (Cl. 114—51)



1. In a ship salvaging device, a pair of beams extending longitudinally of the ship's sides, a plurality of spaced arms depending from each of said beams and provided with hull piercing spurs on their confronting sides, and telescopic means connecting said pair of beams.

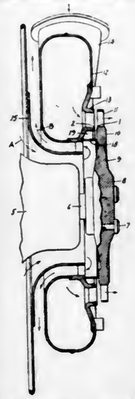
2,382,841
PHYSIOTHERAPEUTIC APPARATUS
David James Alexander, Philadelphia, Pa.
Application August 29, 1944, Serial No. 551,697
8 Claims. (Cl. 272—73)



1. In physiotherapeutic apparatus an implement to be driven and driving means therefor comprising a rotatable shaft operatively connected to the implement, a seat support spaced from the shaft, an arm pivoted at one end coaxially with the shaft and at its opposite end vertically adjustably engaged with the seat support and pedal operated driving means for the shaft carried by said arm.

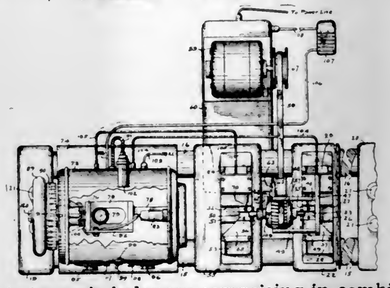
2,382,842
GAS TURBINE
Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application December 14, 1942, Serial No. 468,917
4 Claims. (Cl. 60—41)

1. In combination, a nozzle box having nozzles, a turbine wheel having a ring of buckets which receive actuating fluid from the nozzles, the root circles of the nozzle ring and the bucket ring being eccentric, an axially extending sealing ring supported on and sealed to the nozzle box and forming a close clearance with the wheel rim and



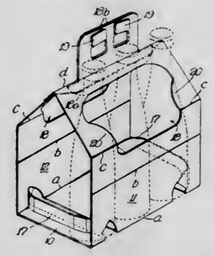
defining with the adjacent portions of the nozzle box and wheel rim a sealing chamber radially inward of the nozzle ring and adjacent to the rim of the wheel.

2,382,843
ELECTRONIC TYPE BALANCER
Robert B. Annis, Indianapolis, Ind.
Application March 25, 1943, Serial No. 480,544
8 Claims. (Cl. 73—66)



5. A dynamic balancer comprising in combination, a base; a pair of substantially rigid carriages carried by the base; a bearing member resiliently carried by each of said carriages to permit vibration in relation thereto; an electric generator fixed to each carriage; a substantially inertia-less member fixed to each of said bearing members and connecting with the generator of the respective carriage; a scanning head carried by said base, said head and the carriage adjacent thereto being relatively shiftable in relation to each other along said base; said head comprising a member rotatable on the extended axis of said bearing members, a light source carried by the rotatable member, means for directing a beam from said source toward said carriages to trace a circumferential path around said axis upon rotation of said rotatable member, a photo-electric cell carried by said rotatable member and positioned to receive said beam as may be reflected from a body mounted on said bearing members; a cathode ray tube oscillograph; an outside source of voltage applied to said photo-electric cell; and circuits between said generators, said photo-electric cell, and said oscillograph separately applying the generator voltages to one set of oscillograph beam control means, and the voltage varied by said photo-eelctric cell to another set of oscillograph beam control means.

2,382,844
BOTTLE CARRIER
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application May 17, 1943, Serial No. 487,243
8 Claims. (Cl. 224—45)



1. A carrier for bottles or the like comprising a blank of sheet material creased to provide a bottom panel and two side panels having handle tabs slotted out of the side panels but remaining flexibly attached thereto, said side panels being foldable to positions where they extend upwardly from the opposite side margins of the bottom panel, said blank having a slot adjacent the upper ends of the side panels and adapted to accommodate passage of portions of the handle tabs, and the handle tabs being flexible inwardly and upwardly to positions where portions of them extend through said slot to locations beyond the upper ends of the side panels.

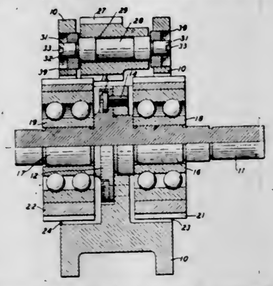
2,382,845
PREPARATION OF SULPHUR NITRIDE
Michael Henry Miller Arnold and William Eric Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 1, 1941, Serial No. 400,688. In Great Britain July 30, 1940
5 Claims. (Cl. 23—204)

4. In a process for the production of a mixture of sulphur nitride substantially free from ammonium chloride, the steps which comprise dissolving 842 parts by weight of sulphur monochloride in 950 parts by weight of carbon tetrachloride which prior to use has been substantially saturated with sulphur nitride, sulphur, and imino-sulphur, passing dry ammonia gas into the mixture until it becomes salmon-red in color and smells of ammonia, continuing the introduction of ammonia for about six hours thereafter, adding an equal volume of water while stirring vigorously, allowing the mixture to separate into two layers, decanting the top aqueous layer, and filtering the sulphur nitride, sulphur and imino-sulphur from the carbon tetrachloride layer.

2,382,846
DIFFERENTIAL GEARING
Charles C. Barber, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1943, Serial No. 493,381
9 Claims. (Cl. 74—306)

1. A differential gear system comprising, in combination, a rotatable support, a pair of intermeshed pinions carried by said support and adapted for rotation about their own axes, a pair

of spaced gears each of which is disposed in mesh relation with an associated one of said pinions, eccentric means for preventing backlash between



said intermeshed pinions, and second eccentric means for preventing backlash between each pinion and its associated gear.

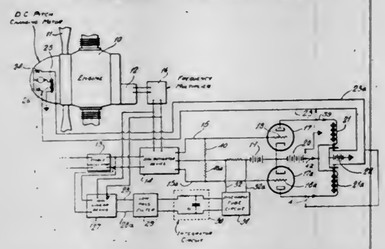
2,382,847

CONTROL APPARATUS FOR ENGINES

Charles Ludwig Baumann, Jr., New York, N. Y.

Application June 16, 1942, Serial No. 447,261

5 Claims. (Cl. 175—355)



5. Control system component for controlling the speed of an engine and comprising output terminals adapted for connection to an engine control motor circuit, said control system component comprising means for generating a first electric current having a controlled frequency, means for generating a second electric current the frequency of which varies with variation in the speed of said engine, a discriminator device connected to the circuits of said first and second electric currents adapted to produce a voltage variation upon variation of the frequency of said second electric current as determined by the speed of said engine from desired predetermined relationship between the frequency of said first and second electric currents at a first part when the engine speed is greater than, and at a second part when the engine speed is less than, the speed at which said predetermined relationship between the frequencies of said first and second electric currents occurs, pulse generating means separate from said discriminator device and connected to said means for generating said first and second electric currents on the input side of said discriminator device for developing voltage pulsations the frequency of which is increased upon increased departures in either direction of the frequency of said second electric current from the aforesaid desired predetermined relationship between the frequencies of said first and second electric currents, means for imposing said voltage pulsations produced by said pulse generating means upon said first and second parts, and means for supplying energy to said output terminals in a direction depending upon which of said first and second parts is subjected to voltage variation by said discriminator device and in impulses the frequency of which is determined by the frequency of the voltage pulsations imposed on said first and second parts by said pulse generating means.

2,382,848

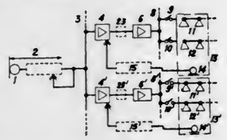
ELECTROACOUSTIC TRANSMISSION PLANT FOR REPRODUCTION IN PLACES WITH NOISE DISTURBANCES

Hans Baumgartner, Zurich, Switzerland

Application December 6, 1943, Serial No. 513,137

In Switzerland October 7, 1942

16 Claims. (Cl. 179—1)



1. An electro-acoustic transmitting plant, comprising, in combination, means reproducing useful sound, means adjacent the first-mentioned means for receiving disturbing sound prevailing at the place of reproduction, and means connected with the first-mentioned means and the second-mentioned means for automatically regulating the intensity of said useful sound depending upon the properties of said disturbing sound, for the purpose of securing the maximum possible intelligibility for the useful sound.

2,382,849

CAM

Gardell L. Bennett and Fredrick Dyer, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application April 3, 1942, Serial No. 437,538

2 Claims. (Cl. 74—568)



1. The combination with an operating shaft of means for turning said shaft, a disc member secured to said shaft and rotatable with said shaft, said disc member being provided with an arcuate groove on one side near its periphery having for its center the axis of said shaft, a plurality of pairs of interlocking means on the walls of said groove, the interlocking means of each pair being oppositely disposed from each other in a radial direction with respect to said disc member, a plurality of interchangeable cam sections mounted in said groove, each of said cam sections being provided with securing means at each end cooperating with one of a pair of said interlocking means whereby said cam sections are secured against movement along said groove, said cam sections having each substantially the same overall dimensions and being in side-by-side relation when mounted in said groove, each of said cam sections being provided with a cam slot having a predetermined radial width and said sections being arranged with said cam slots communicating with one another to form a continuous cam slot, there being sections having arcuate slots respectively adjacent their radially outer

and inner ends and a cam section between said last mentioned sections having a connecting transfer cam slots extending obliquely with respect to the radius of said disc member passing through said transfer cam slot so as to join together said arcuate cam slots, a movably mounted driven member, and a follower member on said driven member lying in said continuous cam slot whereby upon rotation of said disc member said driven member is moved radially by the walls of said transfer cam slot between inner and outer positions, said follower member being locked by the walls of said arcuate cam slots in each of its inner and outer positions against movement radially in each direction.

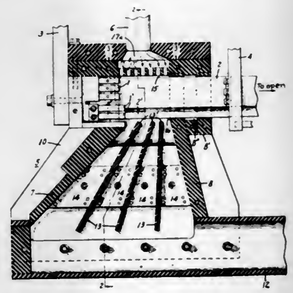
2,382,850

GAS BLAST ELECTRIC CIRCUIT BREAKER

Robert M. Bennett, Ithan, Pa., assignor to General Electric Company, a corporation of New York

Application June 16, 1942, Serial No. 447,281

7 Claims. (Cl. 200—148)



1. A gas blast circuit breaker comprising an arc chute having an entrance portion including an arc chamber, relatively movable contacts separable in said chamber to form an arc gap, means containing interrupting gas under pressure prior to separation of said contacts, a conduit for directing said interrupting gas under pressure into said chamber and transversely across said gap to drive the arc into said chute for extinguishing it, said conduit having a gas supply opening that is smaller than the upstream side of said chamber, and diffusing means disposed at said upstream side between said conduit and arc gap for producing a plurality of gas jets along the direction of movement of said relatively movable contacts for insuring substantially uniform and even flow of interrupting gas through substantially the entire length and width of said upstream side and said chamber and the arc gap therein, said last mentioned means reducing the effective area of the entrance to said chamber by at least one-half.

2,382,851

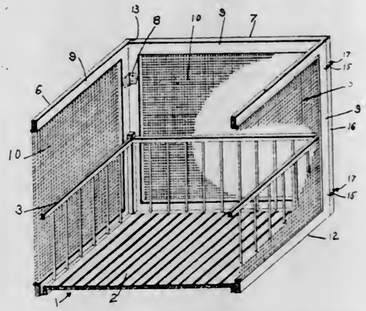
SCREEN FOR BABY PENS

Minnie Berman, Roxbury, Mass.

Application May 5, 1944, Serial No. 534,251

2 Claims. (Cl. 160—88)

1. A screen for a baby pen comprising two pairs of panels, means hingedly connecting together the panels of each pair to permit them to fold together or to be swung relative to each other into an open position at right angles to each other, said means providing a stop to limit relative swinging movement beyond the right angular position, means detachably connecting the outer edges of each pair when in open position to those of the other pair, thereby forming a rectangular screen adapted to encircle a baby pen, a rectangular top shield element of flexible material, means permanently attaching two ad-



jacent edges of said rectangular shield element to the top edges of the panels of one pair, and means for detachably securing the free corner of said shield element to the other pair of panels.

2,382,852

STAND HOOK

John M. Blackmon and Joseph F. Le Gere, Rock Hill, S. C.

Application September 18, 1942, Serial No. 458,914

1 Claim. (Cl. 28—1)



A tool for stripping cotton from steel calender rolls in cotton mills, said tool comprising a handle member, a shank extending axially from one end of said handle member, a soft metal member extending downwardly from the outer end of the shank at a right angle thereto, said soft metal downwardly extending member forming means for stripping cotton from the steel rolls without damage to the rolls, said soft metal downwardly extending member being threaded into the outer end of the shank, said soft metal member being formed of brass, said soft metal member being provided on its outer face with a vertically disposed cutting edge in the plane of the vertical longitudinal center of the shank.

2,382,853

PNEUMATIC CONTROL

Frederick Charles Brammer and William Charles Hubert West, Purfleet, England, assignors to Thames Board Mills Limited, Purfleet, England, a British company

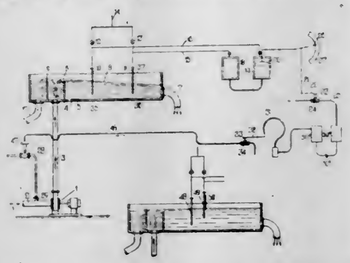
Application April 12, 1943, Serial No. 482,816

In Great Britain February 14, 1942

2 Claims. (Cl. 137—139)

1. In a pneumatic control system for operating a pressure responsive device, a control-pressure conduit, means for establishing a control pressure in said conduit which varies in accordance with a variable condition, means responsive to the control pressure for establishing a relay pressure proportional to the control pressure, means for retarding the application of the control pressure to the relay pressure establishing means comprising a pair of vessels having their upper ends respectively connected with the control conduit in a

manner to transmit pressure from one portion thereof to another portion, the lower portions of



said vessels containing liquid and being in communication through a conduit having adjustable restricting means.

2,382,854
AIRPLANE TOW TARGET RELEASE DEVICE
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 22, 1944, Serial No. 519,385
11 Claims. (Cl. 273—105.4)



1. In apparatus for exchanging an aerial target towed by an aircraft tow line for a replacement target with each target having a traveler ring arranged therewith, a target release device secured to the end of the tow line comprising a resilient metallic member bent upon itself so as to provide a longitudinally extending body member of generally U-shape, the tow line being attached to the closed end of the U-shaped body member, the opposed arms of said body member being normally spaced from each other, the traveler ring of each replacement target being adapted to slide over said body member longitudinally thereof, means arranged on the ends of said opposed arms which cooperate with the traveler ring of a target for holding the same releasably thereon, intermediate portions of the two arms of the body member being so shaped that the traveler ring of a replacement target must force the ends of the arms of the body member together from their normal spaced relationship as such ring travels thereover carrying a replacement target but allows separation of the ends of the arms after it has passed over such intermediate portions of the arms, whereby the target being towed is released and the replacement target is coupled to the tow line.

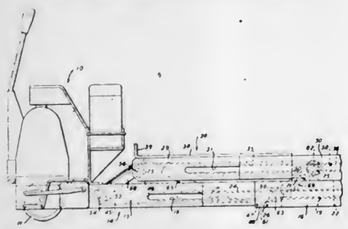
2,382,855
APPARATUS FOR FLUE DUST REMOVAL
Luther J. Buck and Charles E. Veatch, Alton, Ill., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1943, Serial No. 475,588
4 Claims. (Cl. 266—15)

1. In a device of the character described for removal of dust from the flue of a metallurgical furnace, a telescopic dust discharge conduit having an inner and an outer sleeve, said outer sleeve concentrically mounted to slide up and down on said inner sleeve, an upwardly extending ring on the upper end of one of said sleeves, a flexible skirt on the lower end of the other of said sleeves, means to temporarily lock said sleeves to prevent



relative movement one with the other, a spray pipe providing means for wetting down dust removed from said flue, and an adapter to connect said discharge conduit to said flue.

2,382,856
TRUCK
William E. Burbank, Westfield, and Donald H. Mitchell, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1943, Serial No. 471,848
11 Claims. (Cl. 254—10)

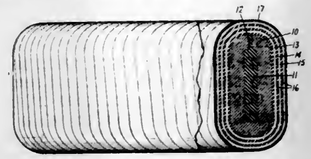


1. A truck for transporting articles comprising a main frame having relatively movable sections, a lift frame having relatively movable sections, shafts rotatably supported by the frames, lifting means pivotally mounted upon the shafts to cause movement of the lifting frame toward and away from the main frame, endless members operatively connected to the shafts and driven by one of them, and means respectively movable by the endless members to cause relative movement of the sections of their respective frames.

2,382,857
ELECTRIC INDUCTION APPARATUS
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 15, 1943, Serial No. 483,163
6 Claims. (Cl. 175—356)

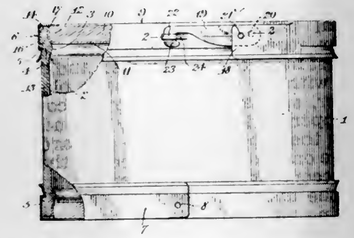
1. A magnetic core for electromagnetic induction apparatus comprising, in combination, a plurality of rings of magnetic material arranged side by side in spaced relation so as to form a hollow re-entrant magnetic flux path having at least as

many air gaps as there are rings, and a hardened plastic non-magnetic insulating material completely filling the spaces inside and between



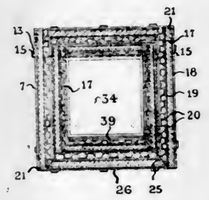
said rings so as to form a rigid self-supporting physically closed magnetic core with a substantially linear magnetizing characteristic.

2,382,858
CONTAINER
Herbert L. Carpenter, Brooklyn, N. Y., assignor to Carpenter Container Corporation, Brooklyn, N. Y., a corporation of Delaware
Application February 1, 1937, Serial No. 123,414
13 Claims. (Cl. 229—5.7)



1. A rim for containers comprising an expansible band of material having overlapping ends, a locking lever having one end extending between said overlapping ends, a rivet pivotally connecting said lever to one of said overlapping ends, a second rivet pivotally connecting said lever to the other of said overlapping ends, said rivets being spaced apart and one being offset toward the edge of the rim when the lever is positioned to extend substantially parallel with the rim, and coacting means carried by said rim and said lever for locking the lever against swinging movement.

2,382,859
REFRIGERATED SHIPPING CONTAINER FOR USE WITH AIRCRAFT
Leonard F. Clerc, Chicago, Ill.
Application November 16, 1942, Serial No. 465,658
6 Claims. (Cl. 220—9)



1. In a device of the character described, including a rigid box-like structure having a door opening and a plurality of insulating liner pads positioned along the inside walls thereof, a fabric sheathing, comprising sections of canvas, or the like, cemented to the exterior surfaces of the container and having portions extending around the edges of said door opening and said liner pads, and into the interior of said structure, where they are cemented to the exposed surfaces of said liner pads to reinforce the same and secure them in position.

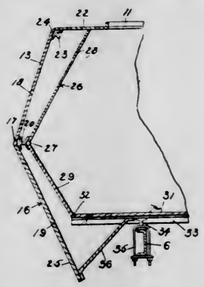
2,382,860
LUBRICATING COMPOSITION
James F. Cook, Albany, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 20, 1943, Serial No. 472,985
6 Claims. (Cl. 252—28)

1. A lubricant comprising a glycol and starch prepared by heating a polyhydric alcohol selected from the group consisting of glycerin, ethylene glycol, diethylene glycol, triethylene glycol, propylene glycol, pentaglycerin substantially free from water with between about 5% and about 20% based on the polyhydric alcohol of raw starch to a temperature of at least about 250° F. the composition having a consistency varying from that of a medium grease to a heavy grease which consistency remains substantially unchanged at temperatures up to about 300° F.

2,382,861
PRINTING INK, PROCESS OF PRINTING, AND ARTICLE FOR USE THEREWITH
Joseph G. Curado, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1941, Serial No. 403,869
13 Claims. (Cl. 106—23)

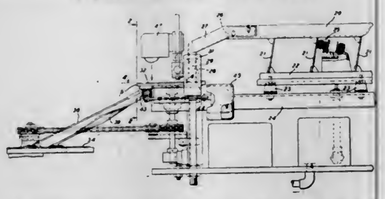
6. An ink material of the character described, adapted to be printed upon a transparent base, comprising an organic solvent for the base having a boiling point between about 200° C. and 225° C., and a pH value not exceeding about 3.03; methyl violet dye base in quantities in excess of about 30% and not more than about 40%.

2,382,862
ARMORED CAR
Augustine Davis, Jr., Cincinnati, Ohio
Application April 15, 1942, Serial No. 439,018
8 Claims. (Cl. 89—36)



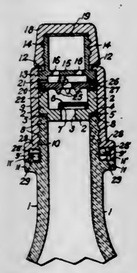
7. A body for an armored car having an exterior, upstanding wall with a projecting, horizontal rib substantially centrally thereof dividing said wall into flat portions disposed in different planes, and a reinforcing wall spaced interiorly from the exterior wall and having a rib adjacent and parallel to the first mentioned rib, to divide the wall into two flat portions in different planes, adjacent flat portions for the interior and exterior walls diverging from each other outwardly from the ribs.

2,382,863
ARTICLE HANDLING APPARATUS
John A. Decker, Bayonne, and Donald P. Wilkes, Raritan Township, Middlesex County, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1943, Serial No. 477,712
5 Claims. (Cl. 209—111)



1. Apparatus to receive unordered laminar articles of different light reflecting capacity on the two flat sides thereof and deliver the same all with the same side up, the said apparatus comprising a hopper to receive a plurality of such articles unordered, means to vibrate the hopper to cause the articles to issue flatwise therefrom, a vertical tubular magazine to receive the articles from the hopper and contain the same in a stacked column, means to stop delivery by the hopper whenever the magazine contains more than a predetermined number of articles, conveyor means to carry away articles one at a time from the bottom of the magazine with the flat upper surface of each article exposed, photoelectric means to scan the articles on the conveyor means one at a time, delivery means to receive articles from the conveyor means and deliver the articles the same side up that they were in the conveyor means, second delivery means to receive articles from the conveyor means and turn them over and deliver them reversed from the position they were in in the conveyor means, and means actuated by the photoelectric means to cause an article in the conveyor means to enter and be delivered by the first named delivery means or the second delivery means according to which of the two flat sides of the article in the conveyor means is exposed to the photoelectric means.

2,382,864
CLOSURE DEVICE FOR RENDERING BOTTLES NONREFILLABLE
Manuel Diaz y Diaz, Habana, Cuba, assignor of sixty one-hundredths to Alberto Calas Oquendo, Habana, Cuba
Application March 20, 1943, Serial No. 479,843
In Cuba March 5, 1943
2 Claims. (Cl. 215—30)

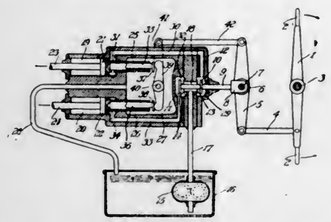


1. In a closure device for rendering a bottle non-refillable, the combination of a cup-shaped element having its bottom wall provided with a central hole and also with an angular recess at its peripheral edge forming a flat radial shoulder adapted to seat against the mouth of a bottle, a disc valve of smaller diameter than the inner diameter of said cup-shaped element and provided with a circular recess in one face loosely placed within said cup-shaped element, with the annular edge formed by said circular recess directed downwardly and engaging the bottom of said cup-shaped element, a disc provided with a central hole and with several smaller holes arranged circumferentially thereabout and also with a series of pointed projections at its lower face positioned on the upper edge of said cup-shaped element, a cylindrical cover provided at its lower end with an outwardly extending flange, the lower face of which engaging the top of said last named disc, said cylindrical cover having a horizontal partition in its lower end provided with a series of equidistant peripheral holes and also having at its lower end a pointed projection entering a matching aperture in said disc, said last named pointed projection being arranged in such a position on said cylindrical cover that upon assembly of the cover and disc the small holes in the latter will be out of registration with the holes in said horizontal partition, and a second cylindrical cover for receiving in its interior the serially alined first mentioned cover, disc, and cup-shaped member with the disc valve loosely placed within the latter, said second cylindrical cover having at its upper end an inwardly extending flange engaging the upper face of the outwardly extending flange on said first named cover, the lower end of said second cylindrical cover being adapted to receive the upper end of the neck of the bottle and having means adapted to non-removably secure said second cylindrical cover and therewith the entire closure device to the bottle.

2,382,865
BRIGHT DIP
Harry Robert Dittmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 10, 1942, Serial No. 438,457
7 Claims. (Cl. 148—4)

1. A process for preserving the color of high copper-containing metals which comprises dipping a metal containing at least 40% copper into an aqueous glycolic acid bath.

2,382,866
STEERING GEAR FOR VEHICLES
Stanley Howard Edge and Edwin Twemlow, Lincoln, England
Application December 22, 1942, Serial No. 469,846
In Great Britain October 20, 1941
6 Claims. (Cl. 60—97)

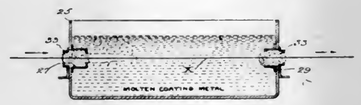


6. Means for steering vehicles, including a housing, a liquid reservoir connected to said housing, a pair of servo cylinders disposed in said housing, pistons in said cylinders adapted to be connected to the mechanism under control, a valve chamber, ported sleeves extending from said pistons into said valve chamber, valve elements slidably mounted in said sleeves, rocking mechanism adapted to actuate either of said valve elements, a pump for circulating liquid through said housing, cylinders, ported extensions, valve elements, valve chambers and reservoir, a double acting shut-off valve mechanism adapted to divert liquid from the delivery of said pump to either of said servo cylinders, and hand operated means for first actuating said shut-off valve and for thereafter operating said rocking mechanism to close one of said valve elements to interrupt the return of liquid from one of said servo cylinders.

2,382,867
PREPARATION OF ACETOPHENONE
William S. Emerson, Van Buren Township, Montgomery County, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application August 28, 1942, Serial No. 456,532
6 Claims. (Cl. 260—592)

1. A process which comprises reacting alpha-chloro-styrene with water in the presence of aqueous hydrogen chloride of concentration greater than 5% and less than 28% by weight calculated upon HCl and water only, and a metal chloride dissolved therein.

2,382,868
ART OF METAL-COATING METALS
Colin G. Fink, New York, N. Y., assignor to Metal Alloys, Inc., Wilmington, Del., a corporation of Delaware
Application December 16, 1941, Serial No. 423,154
2 Claims. (Cl. 117—51)



1. In a method of coating a basis metal in continuous lengths with a coating metal through contact of the basis metal with the coating metal in a molten state after the basis metal has been wetted with an aqueous volatile acidic solution, the novel step of violently gasifying the acidic solution, within the body of the molten coating metal, from and around the entering portion of the basis metal, thereby forming a gaseous envelope, through an intrusion length of about one inch, by runing the cold basis metal wet with acidic solution directly into fresh molten coating metal below its surface level through a restricted orifice having substantially the same cross-sectional dimensions as those of the basis metal, without first passing through a cover layer of flux, oil, or oxide film of the coating metal.

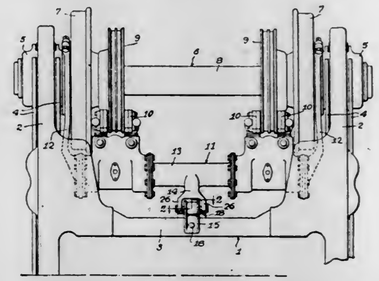
2,382,869
CLUTCH
Frederick E. Fisher, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 14, 1944, Serial No. 526,366
6 Claims. (Cl. 192—67)

1. In a clutch mechanism the combination of one clutch member provided with a substantially circular aperture eccentrically arranged with respect to the axis of rotation of said member, a second clutch member axially movable into engagement with said first clutch member and mounted upon a shaft, means permitting a continuously shifting radial movement of said second



clutch member with respect to its shaft and means for locking said second clutch member against movement relatively to its shaft operable when said second clutch member is in engagement with said first clutch member.

2,382,870
BRAKE MECHANISM
Paul W. Gaenssle and Robert G. Stacy, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1944, Serial No. 541,773
2 Claims. (Cl. 188—205)

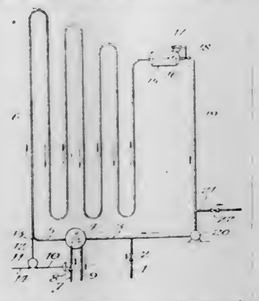


1. In a brake mechanism, a vehicle frame, a supporting wheel and axle assembly, a brake member rotatable with a wheel of said assembly, and a brake means cooperating with said member comprising a yoke-like support carried from said assembly adjacent its opposite ends and from a connection to the frame intermediate its ends, said connection comprising a bracket mounted on the frame, a member mounted for universal movement in said bracket, and readily removable means for solidly securing said support and member, said universal movement being restrained by rubber slabs disposed one above and one below said member and between it and adjacent portions of said bracket whereby relative vertical movements of said member and bracket are mainly resisted by the rubber in compression and relative transverse and longitudinal movements are resisted mainly by the rubber in shear, and means for positively limiting the stressing of the rubber in compression and shear.

2,382,871
METHOD OF MIXING FLUIDS
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 21, 1943, Serial No. 483,919
9 Claims. (Cl. 252—314)

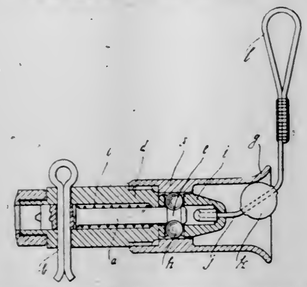
1. A method of mixing fluids which tend to segregate into separate phases when in contact with each other, said method comprising alternately decreasing and increasing the pressure on

said fluids to cause alternate vaporization and condensation of at least a portion thereof while



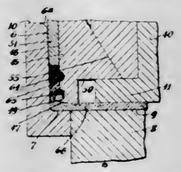
maintaining the mixture in a state of turbulence sufficient to prevent substantial vapor separation.

2,382,872
FIRING DEVICE FOR THE FUSES OF BOMBS, FLARES, AND THE LIKE
Thomas Francis Giles, Greenford, England
Application September 8, 1941, Serial No. 410,074
In Great Britain September 16, 1940
5 Claims. (Cl. 102—86.2)



1. Firing means applicable to bombs and pyrotechnic devices, including a striker, a spring adapted to operate said striker, a cage surrounding the outer end of said striker, a number of restraining balls carried by said cage and engaging a recessed portion of said striker, a tube surrounding said cage and striker and having a flared portion, a release wire fixed to said cage, and a ball within the flared end fixed to said release wire and adapted for movement along and in contact with the flared portion of said tube.

2,382,873
PAPER SCREW CAP
Carl W. Goodwin, North Plainfield, N. J., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application November 11, 1942, Serial No. 465,194
7 Claims. (Cl. 215—43)

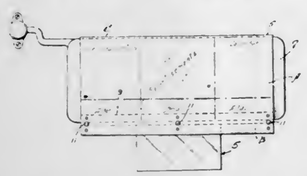


1. A paper screw-cap comprising a central diaphragm portion and an upstanding annular skirt, said skirt having solid, raised screw threads formed integrally on one face thereof, the opposite face being substantially smooth, the paper in said skirt and threads containing a binder and being in a solid, homogeneous, seamless, interfelted condition, said skirt and threads being denser than the remainder of the cap and having a higher degree of hardness.

2,382,874
MODIFIED ACETALS
William Franklin Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1941, Serial No. 424,292
2 Claims. (Cl. 260—615)

1. A process for the preparation of di(methoxymethoxy) ethane which comprises refluxing a reaction mixture of approximately the following composition: 222 parts of 1,3-dioxolane, 684 parts of methylal, and 4.5 parts of sulfuric acid for approximately 6½ hours, neutralizing the catalyst by the addition of approximately 4.04 parts of sodium hydroxide, dissolving in 10 parts of water and recovering the di(methoxymethoxy) ethane from the reaction product by distillation.

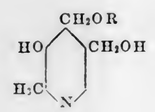
2,382,875
ANTIGLARE DEVICE
Guy F. Handley, Minneapolis, Minn.
Application February 2, 1944, Serial No. 520,799
1 Claim. (Cl. 296—97)



In an anti glare device, a glare eliminating panel, a sheet of material foldable upon itself and having one edge secured to said panel, a reinforcing strip secured to said sheet adjacent the latter named edge, said sheet having aligned rows of openings adjacent the free edges, and fasteners to extend through selected openings for bringing the sheet taut on a shade visor of a motor vehicle after the application of the sheet thereto.

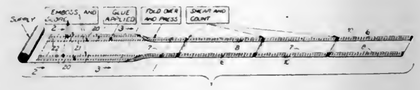
2,382,876
ETHERS OF VITAMIN B_6
Stanton A. Harris, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 12, 1942, Serial No. 468,824
8 Claims. (Cl. 260—297.5)

1. Compositions of matter represented by the formula:



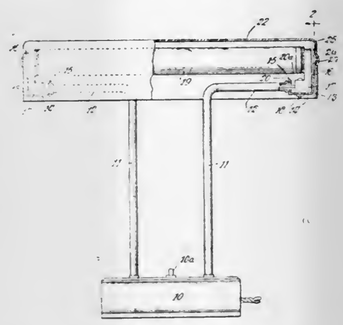
wherein R is selected from the class consisting of alkyl, aryl and arylalkyl groups; and salts thereof.

2,382,877
COUPON HOLDER
Simon Heilbrunn and Alexander F. Kaptuller, Chicago, Ill.; said Kaptuller assignor to said Heilbrunn
Application September 11, 1942, Serial No. 457,996
2 Claims. (Cl. 93—1)



1. The herein described method for producing a coupon holder, comprising forming a series of paired, laterally spaced embossments in a sheet of fibrous material such that the embossments of each pair are of relatively reversed form, thereafter applying adhesive to one embossment of each pair, the adhesive being strictly confined to the embossment, then folding the sheet on a line centrally between the paired embossments to cause the embossments at one side of the fold line to enter and adhere to the embossments on the opposite side of the fold line.

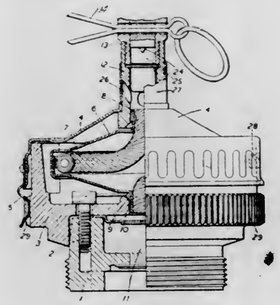
2,382,878
FLUORESCENT DESK LAMP
Alois Holecek, Cicero, Ill.
Application February 3, 1944, Serial No. 520,847
4 Claims. (Cl. 240—81)



1. A desk lamp comprising a base, a pair of tubular lamp supporting arms rising therefrom, the upper ends of said arms terminating in oppositely directed horizontal arm ends, oppositely related resilient brackets, one secured to each arm end, oppositely related lamp sockets, one secured to each bracket, a fluorescent lamp extending between and secured in said sockets, a canopy overlying said lamp, and ball and socket connections between said brackets and the end walls of the canopy, said brackets and end walls having interengaging radial ribs for positively holding the canopy in any adjusted position.

2,382,879
DETONATING DEVICE
Jack Imber, Farnham Common, England
Application January 7, 1942, Serial No. 425,933
In Great Britain December 31, 1940
3 Claims. (Cl. 102—85.6)

1. A fuze capsule for detonating mechanism comprising two frusto-conical metal pressings, means for inter-engaging the peripheral portions of said pressings, a hollow boss formed centrally of each pressing and integral therewith and a



length of fuze coiled within said capsule with its ends projecting into said bosses.

2,382,880
HIGH NOTE PRODUCING SYSTEM IN SAXOPHONES
Venanzio Incagnoli, Ceprano, Forsinone, Italy; vested in the Alien Property Custodian
Application October 25, 1939, Serial No. 301,264
In Italy October 31, 1938
1 Claim. (Cl. 84—385)



In a saxophone, the combination of a barrel having a first set of adjacent, aligned openings, and a second set of adjacent, aligned openings, spaced from said first set; a plurality of levers pivoted on said barrel; a pad on each of said levers, each pad being positioned to close one of said openings when its lever is rocked; a plurality of fingering keys pivoted on said barrel, each key being operatively connected to rock a lever; a bridge pivoted on said barrel and extending over all the levers carrying pads positioned to close the openings of the first of said sets; a spring on said barrel depressing said bridge to simultaneously move the levers over which the bridge extends, to close the openings of the first of said sets; and a plurality of keys pivoted on said barrel, each of said last-mentioned keys being operatively connected to said bridge for raising said bridge to release the levers over which the bridge extends.

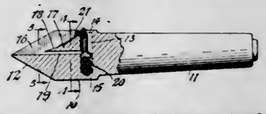
2,382,881
ISOMERIZATION OF SATURATED HYDROCARBONS
Vladimir N. Ipatieff and Herman Pines, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 3, 1943, Serial No. 477,880
7 Claims. (Cl. 260—683.5)

1. A process for the conversion of an isomerizable saturated hydrocarbon to produce a substantial yield of isomers thereof which comprises subjecting said hydrocarbon under isomerizing conditions and in the presence of a hydrogen halide to contact with a composite catalyst comprising a previously fused mixture of halides of aluminum and zirconium, and recovering the resultant isomerized hydrocarbon.

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No Drawing. Application March 3, 1943, Serial No. 477,881
7 Claims. (Cl. 260—683.5)

1. A process for the conversion of an isomerizable saturated hydrocarbon to produce a substantial yield of isomers thereof which comprises subjecting said hydrocarbon under isomerizing conditions and in the presence of a hydrogen halide to contact with a composite catalyst comprising a previously fused mixture of halides of aluminum and zinc, the concentration of aluminum halide in said catalyst being at least equivalent by weight to that of the zinc halide, and recovering the resultant isomerized hydrocarbon.

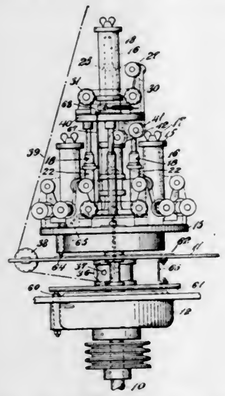
2,382,883
LUBRICATED LATHE CENTER
Willis H. Jones, Kenmore, N. Y.
Application February 22, 1944, Serial No. 523,423
3 Claims. (Cl. 82—33)



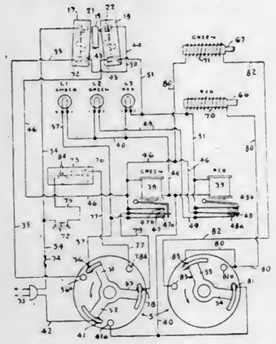
1. A lathe center comprising a body having a head, a shank projecting rearwardly from the head and a conical point projecting forwardly from the head, an oil receiving well extending downwardly in the head from the top thereof, a tunnel extending lengthwise of the axis of the body from the conical point to said well, a distributing channel arranged in the upper part of the body and extending from the tip of the same to said well and having its front part communicating with the front end of said tunnel while its rear end is separated from the rear end of said tunnel by an intervening wall of said body, and a wick having a lower part arranged in said well and an upper part arranged in said channel.

2,382,884
WIRE STRANDING MACHINE CREEL
Howard E. Kuehn, Stonington, Conn., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application January 11, 1944, Serial No. 517,793
4 Claims. (Cl. 57—81)

1. In a wire cable machine, a supply package, a hollow spindle through which the strand from the package passes, an electric stop motion, a guide post adjacent the package about which the strand extends, and a pair of drums each rotatable and about which the strand extends a plurality of times after leaving said post and prior to entering said spindle, and stop motion actuating means mounted on said post maintained in inactive position by the strand engaging and passing about said post.



2,382,885
GAUGING APPARATUS
Horace J. Landay, Woodmere, N. Y., and Charles W. Warren, North Plainfield, N. J.
Application April 23, 1943, Serial No. 484,288
3 Claims. (Cl. 209—88)

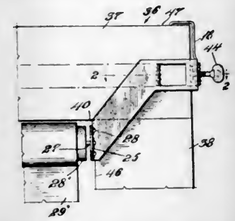


3. Gauging apparatus including a stationary work table, an abutment supported by said stationary work table, means for holding the abutment in a fixed position with respect to the table, a gauging head connected with the table and including a gauge pin, yielding means holding the gauge pin in a normal position in which it is spaced from the abutment by a distance less than the correct dimension to be gauged, adjustable means for changing the distance between the abutment and the normal position of the gauge pin, first switch means operated by movement of the gauge pin away from the abutment to a distance substantially equal to the correct dimension to be gauged, second switch means operated by movement of the gauge pin away from the abutment substantially further than the correct dimension to be gauged, a first indicator for undersize articles, an electric circuit for operating said indicator when the gauge pin is in normal position and has not operated either of said switch means, a second indicator for articles of correct size, electric contacts that close a circuit for operating the second indicator and open the circuit that operates the first indicator in response to operation of the first switch means, a third indicator for articles of excessive size, other electric contacts that close a circuit for operating the third indicator and open the circuit that operates the second indicator in response to operation of the second switch means, gates for guiding gauged articles into different compartments including a reject compartment for undersize articles, a compartment for articles of correct size, and a compartment for oversize articles, mechanism that positions the gates to guide gauged articles into the reject compartment before said electric contacts have closed the circuits to the second or third indicator, said mechanism including apparatus for positioning the gates to guide gauged articles into the correct-size compartment in response to closing of the circuit that operates the second indicator, and positioning the gates to guide gauged articles into the oversize compartment in response to operation of said other electric contacts to close the circuit that operates the third indicator, control means for maintaining the gates in their operated positions after the gauged article has moved beyond the gauging head, and means for determining how long said control means are effective.

2,382,886
TREATMENT OF LIME-CONTAINING RAW MATERIALS
Harley C. Lee and Elizabeth K. Lee, Columbus, and Robert A. Schoenlaub, Tiffin, Ohio, assignors to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 4, 1943, Serial No. 474,708
8 Claims. (Cl. 23—186)

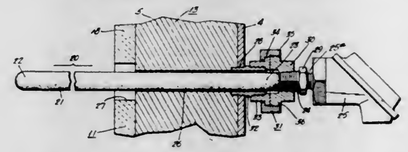
8. A process of the character described, which comprises calcining dolomite with a burning agent at high temperature, providing in a slurry of the calcined material containing calcium chloride in amount from a few per cent to about fifteen per cent conditions selectively favoring crystal growth of calcium hydroxide to mechanically separable size, and mechanically separating out such crystals.

2,382,887
WINDOW CASING BRACKET FOR SHADES OR CURTAINS
Albert Letoile, North Providence, R. I.
Application March 9, 1944, Serial No. 525,776
2 Claims. (Cl. 248—252)



1. A bracket for a window casing comprising a body having a portion adapted to lie diagonally of and flat against the face of the casing from the inner edge thereof outwardly and a portion extending at an angle to said diagonal portion and adapted to lie longitudinally of the upper portion of the casing and also flat against the face of the casing, a flange at the inner end of the diagonal portion to engage the inner edge of the casing, a flange at the outer edge of said other portion, clamping means supported by one of said flanges to engage an edge of the casing and draw the other flange thereagainst and means along said other portion to mount a curtain rod in a position to extend along and cover said portion.

2,382,888
THERMOCOUPLE MOUNTING FOR FURNACES
William B. Levy, Wilmington, Del.
Application January 23, 1943, Serial No. 473,380
4 Claims. (Cl. 285—47)



1. In a furnace comprising a combustion chamber and a back wall including an exterior metal plate and having an opening extending from the exterior of said wall to the interior of said combustion chamber for passage of an axially elongated member of a thermo-couple device including a base structure provided with a shank adjacent the juncture of the elongated member therewith; the improvement which comprises a multi-sectional mounting for said thermo-couple device including one section stably connected to the exterior plate of said wall at the outer end solely of said opening, a section stably secured to said shank, and means for securing said sections together to afford axial non-rotational movement of said elongated member through said opening in applying said thermo-couple device to and removing it from said furnace.

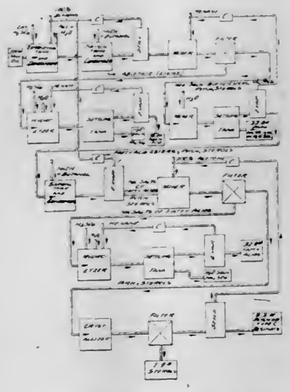
2,382,889
MANUFACTURE OF LACTIC ACID AND SALTS THEREOF
Ritchie Hart Lock, Chigwell, England
No Drawing. Application April 3, 1943, Serial No. 481,761. In Great Britain July 22, 1941
9 Claims. (Cl. 260—528)

1. A process for the manufacture of salts of lactic acid, which comprises gradually adding a saccharide of the group consisting of monosaccharides and oligosaccharides to an alkali of the group consisting of alkali metal hydroxides and carbonates and alkaline earth metal hydroxides contained in a boiling aqueous medium, under atmospheric pressure so as to maintain a considerable excess of alkali over unchanged saccharide in the reaction mixture.

2,382,890
PROCESS OF SEPARATING AND RECOVERING CONSTITUENTS OF TALL OIL
James F. Loughlin, New York, N. Y.
Application August 1, 1942, Serial No. 453,291
8 Claims. (Cl. 260—97.5)

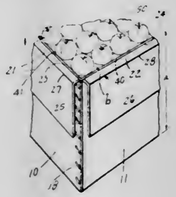
1. A process of separating and recovering constituents of tall oil, which comprises adding monohydric aliphatic alcohols having from 4 to 6 carbon atoms in the molecule to the tall oil and esterifying the fatty acids in the presence of an ester-

ification catalyst, adding a substantially non-aqueous alkaline sodium saponifying agent to the mixture and thereby saponifying the rosin acids, stripping off the excess alcohol, adding a lower boiling point hydrocarbon in the absence of a



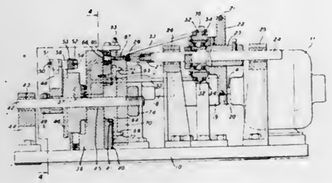
second organic solvent having a higher boiling point than water to the mixture whereby the constituents are dissolved with the exception of light sodium abietate, and removing the light sodium abietate.

2,382,891
SHIPPING AND DISPLAY, HIGH PACK CONTAINER
James A. McCormick, Kalamazoo, Mich., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind., a corporation
Application July 12, 1940, Serial No. 345,077
1 Claim. (Cl. 229—37)



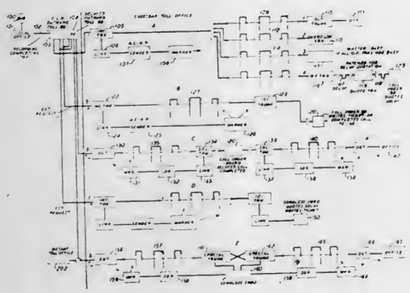
In a conventional four sided, corrugated board shipping and display box having cover forming flaps on each wall and normally foldable inwardly therefrom for box closure purposes and subsequently foldable outwardly and downwardly for content display purposes, the combination of a preformed crease in each of the side walls near the top thereof and on the exterior of said wall and forming an intermediate wall portion between the wall proper and the cover flap crease hinge carried thereby, the portions between said creases being substantially unattached to each other, the first mentioned creases being peripherally arranged about the box, said four resulting intermediate portions forming a tubular upward extension of the box of uniform cross-sectional area throughout, each intermediate portion-wall connecting preformed crease being of outfolding character only, whereby said portions are mutually self-sustaining and in coplaner relation with the respective walls when the box is closed for shipment purposes.

2,382,892
CLEANING APPARATUS
Edward J. McGuinness, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,085
11 Claims. (Cl. 15—93)



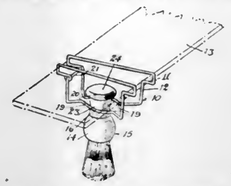
1. An apparatus for cleaning machined articles comprising an article feeding element adapted to successively move articles, having grooves in their peripheries, relative to a cleaning position, a cleaning member, conforming to the general contours of the peripheries of the articles, mounted to interengage the articles successively at the cleaning position, and means to rotate the articles at the cleaning position to render the member effective to remove foreign particles from the articles.

2,382,893
TELEPHONE SYSTEM
Burton McKim, East Orange, N. J., and Oscar Myers, Mount Vernon, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1944, Serial No. 550,070
22 Claims. (Cl. 179—27)



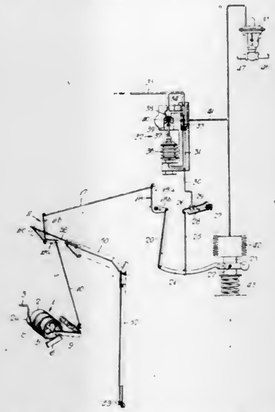
1. In a telephone system, an automatic switching office, a plurality of other offices, said automatic switching office having incoming trunks from said other offices and outgoing trunks to said other offices in groups according to the code designations of said other offices, means responsive to code pulses over an incoming trunk from one of said offices for automatically routing said incoming trunk to an idle outgoing trunk in a trunk group having said code designation, a manually operable switchboard in said automatic switching office, means for making the outgoing trunks of a group unavailable for automatic selection by incoming trunks from said other offices and for automatically routing an incoming trunk to said switchboard responsive to the code of said unavailable trunk group having been pulsed into said automatic switching office, and means in said switchboard for routing said incoming trunk to an idle trunk in said unavailable group.

2,382,894
BRUSH HOLDER
Raymond A. Manny, New York, N. Y.
Application December 9, 1944, Serial No. 567,360
3 Claims. (Cl. 248—110)



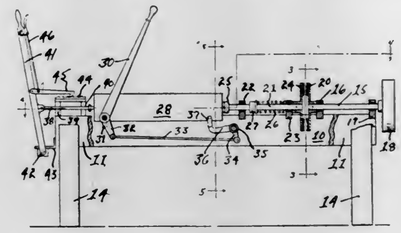
1. A holder for shaving brushes comprising a unitary wire-shaped member bent to form two side portions each of which has an upper portion adapted to slip over and hang from a conventional medicine cabinet type of removable shelf and a lower portion adapted in association with the corresponding lower portion of the other side portion, to receive and hold the handle of a conventional shaving brush.

2,382,895
CONTROL MECHANISM
Clesson E. Mason, Brookline, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Original application March 27, 1942, Serial No. 385,493. Divided and this application April 10, 1943, Serial No. 482,584
3 Claims. (Cl. 236—82)



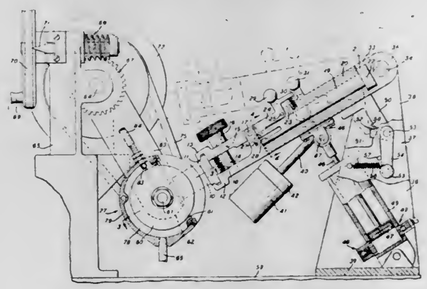
1. In a recorder controller for controlling a condition by regulating a variable affecting the condition and recording the value of the condition on a chart, the combination of a responsive element continuously and proportionally movable in response to the changes in the value of the condition, movable control means for establishing a control force for regulating the said variable affecting the condition, linkage mechanism adapted to move in response to the slightest movement of said responsive means and to transmit said movement to said movable control means, recording mechanism including a pen movable over a traveling chart, and means for driving said pen by said responsive means including a shaft for supporting said pen, an arm mounted on a shaft whose axis is concentric with said first shaft, and a yielding resilient wire link fixed with respect to said first shaft and extending parallel to but spaced from its axis into a hole in said arm.

2,382,896
BARKING MACHINE
Franklin E. Medcoff, Grand Rapids, Mich.
Application November 2, 1944, Serial No. 561,536
1 Claim. (Cl. 144—208)



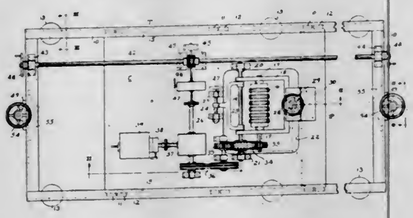
A machine of the class described comprising a movable head and a spaced axially disposed movable chuck having a clutching opposite end portion, means for axially centering a generally cylindrical member between the head and chuck, rotatably movable means in axial alignment with the chuck and head having a clutching end portion adapted to be engaged by said other clutching end portion upon movement of said chuck toward said rotatably movable means, means for moving said head toward said chuck to clamp a generally cylindrical member therebetween and for moving said chuck toward said rotatably movable means for effecting clutching engagement of said clutching end portions, and a knife adapted to be moved into engagement with the peripheral surface of said cylindrical member for scaling the same during the rotation thereof.

2,382,897
MATERIAL FORMING APPARATUS
John T. Muller, Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1944, Serial No. 535,172
6 Claims. (Cl. 125—13)



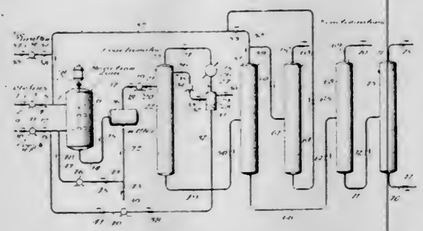
1. In an apparatus for shaping hard material, a saw operative in a fixed plane, a shaft perpendicular to the plane of the saw, a support carried by the shaft and pivotable about the axis thereof in the plane of the saw, means on the support to engage and hold a work holder to feed a work piece held on the holder to the saw by pivoting motion of the support, means to move the support to feed the work piece to the saw, means to resist the motion of the support and adjustable to control the pressure under which the work piece is fed to the saw, and means to adjust the position of the saw in the plane thereof toward and from the shaft.

2,382,898
TREATMENT OF GRATING STRUCTURES
Harry S. Nagin, Pittsburgh, Pa., assignor to Reliance Steel Products Company, a corporation of Pennsylvania
Application December 16, 1941, Serial No. 423,141
6 Claims. (Cl. 90—11)



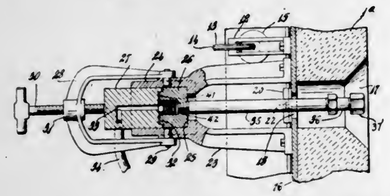
1. Apparatus for treating the surface of a traffic structure, comprising in combination a mobile track member, means for releasably anchoring the member to the structure, a carriage mounted on and movable relative to the member and lengthwise thereof, cutting means mounted on the carriage for forming grooves in the surface of the structure and means for positioning the cutting means transversely of the carriage.

2,382,899
ALKYLATION OF BRANCHED CHAIN PARAFFIN HYDROCARBONS
Robert J. Newman, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1943, Serial No. 485,146
5 Claims. (Cl. 260—683.4)



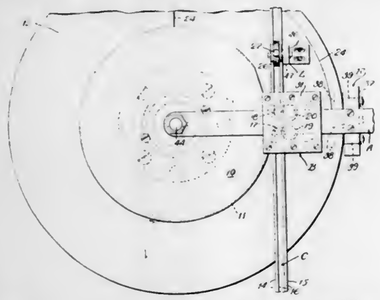
1. In a process for the production of branched chain paraffinic hydrocarbons wherein a paraffinic hydrocarbon containing at least one tertiary carbon atom per molecule is alkylated with an olefinic hydrocarbon in the presence of hydrogen fluoride catalyst, hydrocarbon reaction products are separated from used catalyst, and at least a portion of said used catalyst containing organic diluent is recycled to the alkylation zone, the improvement which comprises correlating the conditions of temperature, isoparaffin to olefin ratio, catalyst to hydrocarbon ratio, fresh catalyst space velocity and space time during the initial period of operation with a relatively fresh catalyst whereby to cause a substantial decrease in the rate of alkylate production, relative to the rate of formation of organic diluent and when the titratable acidity of the catalyst phase has decreased to within the range of 75 to about 91 weight percent hydrogen fluoride, readjusting said operating conditions to increase the rate of production of alkylate and to maintain the titratable acidity of the catalyst phase within the above specified range.

2,382,900
BURNER AND SUPPORT THEREFOR
William Newcomb, Brooklyn, N. Y.
Application April 2, 1943, Serial No. 481,524
1 Claim. (Cl. 158—2)



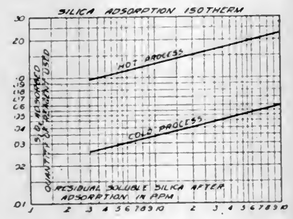
A fuel combustion device having a burner comprising a fuel pipe having a nozzle, a support having a round bearing open at both ends and legs attached thereto, said bearing having an inside shoulder, a plug in said bearing engaging said shoulder and connected to said pipe, a fitting in the extension abutting said plug, an oil supply conduit united to said fitting, a yoke pivoted on said bearing, a bolt in said yoke to press against the end of said fitting to secure the fitting and plug in place, a mounting plate for the support to which said legs are affixed, said plate having an opening for the fuel pipe, a pair of closures to fit the outside of the pipe and close said opening, the closures having slots therein, and fastening means in said slots for adjustably securing the said closures to said plate.

2,382,901
APPARATUS FOR BENDING CHANNELS OR THE LIKE
John H. Newsome, Rahway, and Alfred Davis, Union, N. J., assignors to Elastic Stop Nut Corporation, a corporation of New Jersey
Application January 1, 1943, Serial No. 471,034
2 Claims. (Cl. 153—46)



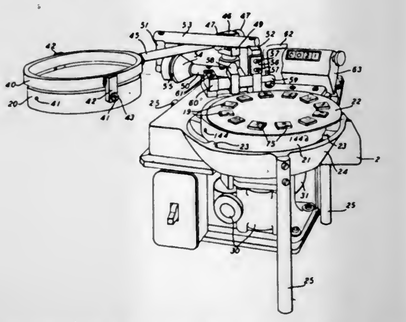
1. In an apparatus for bending a channel having a web and a pair of flanges, a plate having a curved edge conforming to the curvature to be imparted to the channel, an arm pivotally mounted with respect to said plate, two pairs of rollers rotatably carried by said arm, one roller of each pair being located so as to enter said channel between the flanges thereof and being spaced from the curved edges of said plate a distance substantially equal to the thickness of one of said flanges, the diameter of said one roller of each pair being substantially equal to the space between said flanges, the other roller of each pair being located so as to contact the outside of the other flange at points opposite the points of contact between said one roller of each pair and the inside of said other flange, and means for rotating said arm to cause said rollers to travel parallel to said curved edge to thereby bend the channel in conformity with the curvature of said edge.

2,382,902
BOILER FEED-WATER TREATMENT PROCESS
Thomas L. Pankey, Wauwatosa, and Carroll E. Imhoff, Calhoun Farms, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 7, 1941, Serial No. 392,218
8 Claims. (Cl. 210—23)



1. The process of treating water for removing dissolved silica therefrom, which comprises, passing the water through a precipitation tank having an outlet spaced from the inlet thereof, adding to the water in the upper portion of said tank from 4.4 to 8 parts of a magnesium bearing quicklime per part of dissolved silica to be adsorbed to form a sludge within said tank, allowing the sludge to precipitate through the water, maintaining a substantially continuous dispersion of precipitating sludge through the water within said tank by recirculating at least some of the precipitated sludge to the upper portion of said tank, and maintaining an accumulation of sludge in filtering relationship with respect to the water being discharged from said tank.

2,382,903
LAPPING MACHINE
Robert Pash, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,193
2 Claims. (Cl. 51—161)



1. Apparatus for simultaneously lapping opposite faces of laminar articles and comprising a stationary annular horizontally disposed lower lap, a disk-like nest having annularly disposed workpiece receiving openings therein and resting on the lower lap, an annular upper lap to rest on workpieces in the openings of the nest and resting on the lower lap, the two laps being normally substantially coaxial, means to drive the nest in circular motion eccentric to the laps, gimbal mountings to normally hold the upper lap coaxial to the lower lap with freedom to tilt as necessary to follow irregularities of the gross upper surface of the workpieces and to prevent any rotary motion of the upper lap about its axis, and supporting means secured to the gimbal mountings and movable to swing the mountings and therewith the upper lap to slide the upper lap horizontally from the workpieces into a position wholly apart from the nest and lower lap leaving the workpieces accessibly uncovered, and to swing the upper lap back into position above the lower lap and then downwardly upon workpieces thereon, the said gimbal mountings and supporting means comprising a yoke whose arms are pivotably attached to the upper lap to permit the same to rock therein in the plane of the stem of the yoke, a rotatable vertical shaft, and a substantially horizontal sleeve to receive and support the stem of the yoke therein with freedom for the yoke and the lap held in the yoke to rock transversely to the stem of the yoke, the sleeve being mounted on the shaft to be rotatable therewith.

2,382,904
STABILIZATION OF ORGANIC SUBSTANCES
Charles J. Pedersen, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 10, 1942, Serial No. 461,632
16 Claims. (Cl. 260—799)

1. A composition comprising an organic substance, normally subject to deterioration caused by the action of molecular oxygen, containing a catalyst of the group consisting of chromium, iron, copper and their compounds, normally effective to catalyze oxidation of said organic substance, a small proportion of an antioxidant, normally effective to materially retard such deterioration in the absence of said catalyst but which is less effective in the presence of said catalyst, and having incorporated therein a metal deactivator, in a small proportion sufficient to deactivate said catalyst, having the formula

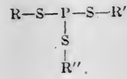
HO—A—N=N—B—OH

wherein A and B are divalent organic radicals of the group consisting of the radicals of the benzene, naphthalene and pyrazolone series in which the free valences are on adjacent ring carbon atoms, the antioxidant and the metal deactivation being different chemical compounds.

2,382,905
STABILIZATION OF PETROLEUM HYDROCARBONS
Charles J. Pedersen, Penns Grove, N. J., and Richard O. Bender, Ridley Park, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1943, Serial No. 499,552
18 Claims. (Cl. 44—76)

1. Petroleum hydrocarbons normally subject to catalytic deterioration caused by copper and its compounds in the presence of oxygen having incorporated therein a small proportion of an antioxidant normally effective to substantially inhibit deterioration of the petroleum hydrocarbons in the absence of copper and its com-

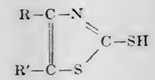
pounds, a small proportion of a copper deactivator, and a small proportion, from about 0.0001% to about 0.01%, of a compound of the formula



wherein R and R′ represent hydrocarbon radicals and R″ represents a member of the group consisting of hydrogen and hydrocarbon radicals.

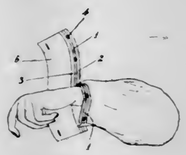
2,382,906
STABILIZATION OF PETROLEUM HYDROCARBONS
Charles J. Pedersen, Penns Grove, N. J., and Richard O. Bender, Ridley Park, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1943, Serial No. 499,553
18 Claims. (Cl. 44—63)

1. Petroleum hydrocarbons normally subject to catalytic deterioration caused by copper and its compounds in the presence of oxygen having incorporated therein a small proportion of an antioxidant normally effective to substantially inhibit deterioration of the petroleum hydrocarbons in the absence of copper and its compounds, a small proportion of a copper deactivator, and a small proportion, from about 0.0001% to about 0.01%, of a 2-mercaptothiazole of the formula



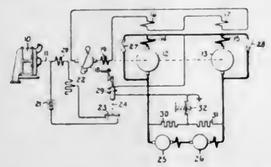
wherein R and R′ represent members of the group consisting of hydrogen and hydrocarbon radicals.

2,382,907
PRESS BUTTON CLOSURE BAND
Jean Persin, Paris, France; vested in the Alien Property Custodian
Application June 3, 1939, Serial No. 277,306
In the Netherlands June 3, 1938
4 Claims. (Cl. 2—124)



1. A detachable cuff or the like, comprising a single ply textile tape, a part of said tape being woven with additional reinforcing threads providing an elongated relatively narrow integrally woven reinforced area, said additional threads being of greater tensile strength and resistance to abrasion than the threads of the unreinforced areas of the tape, and fastener elements secured at intervals to said reinforced area.

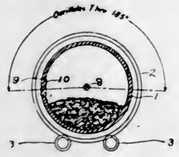
2,382,908
ELECTRIC PROTECTIVE SYSTEM
Charles A. Petersen, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 11, 1944, Serial No. 535,081
7 Claims. (Cl. 172—279)



1. A protective system comprising a pair of direct current electric generators provided with field exciting windings and having their armatures connected in series circuit relation to supply current to an output circuit, voltage responsive means for connecting the common terminal of said armatures to a point of predetermined fixed potential, and voltage dividing means connecting said voltage responsive means for response to a difference in the voltage of said generators.

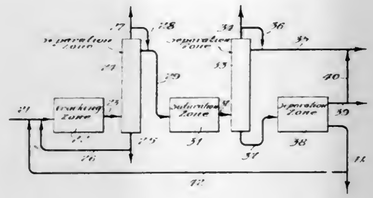
5. A protective system comprising a pair of direct current electric generators provided with field exciting windings and having their armatures connected in series circuit relation to supply current to an output circuit, a relay having an actuating winding connected between the common terminal of said armatures and ground to detect ground faults in either of said generators or their output circuits, voltage dividing means connected between the electrically remote terminals of said armatures, first switching means for connecting the mid-point of said voltage dividing means to ground thereby to render said relay differentially responsive to the terminal voltages of said generators, said first switching means being operable to disconnect said actuating winding from said voltage dividing means thereby to render said relay non-responsive to generator voltage differential, second switching means for selectably disabling said generators, and means actuated by said relay to disable said field exciting windings.

2,382,909
MANUFACTURE OF STRONTIUM OXIDE
James B. Pierce, Jr., Charleston, W. Va.; The First National Bank of Tampa executor of said James B. Pierce, Jr., deceased
Application June 10, 1942, Serial No. 446,432
1 Claim. (Cl. 23—186)



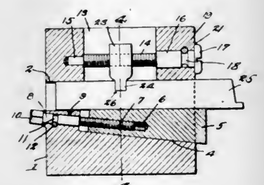
The method of making strontium oxide which comprises confining a charge consisting of substantially equimolecular weights of free carbon and strontium carbonate in a substantially closed chamber and therein subjecting the same to the heat of an electric arc of an intensity sufficient to heat the charge to a calcining temperature, not less than 1100° C., while continually maintaining over the charge, during the firing thereof, an envelope of nascent carbon monoxide at substantially atmospheric pressure and substantially free from carbon dioxide and while constantly oscillating said chamber to-and-fro through a very large portion of but by no means a complete revolution.

2,382,910
CONVERSION OF HYDROCARBONS
John T. Pinkston, Jr., Riverside, Ill., assignor to Universal Oil Produets Company, Chicago, Ill., a corporation of Delaware
Application November 27, 1942, Serial No. 467,103
2 Claims. (Cl. 196—52)



1. A hydrocarbon conversion process which comprises cracking a hydrocarbon oil to produce an olefinic gasoline, fractionating the products of said cracking to separate a gasoline fraction having an end-point below about 350° F., subjecting said gasoline fraction to treatment in the presence of a catalyst to substantially saturate the olefinic compounds contained therein and to thereby produce a substantiatlly olefin free gasoline product, fractionating the substantially olefin free gasoline product to separate a light gasoline fraction having an end-point below about 250° F. and a heavier fraction containing components boiling above said light fraction having an end-boiling point below about 350° F., separating said heavier fraction into an aromatic concentrate and a non-aromatic concentrate, and blending at least a portion of said separated aromatic concentrate with said light gasoline fraction.

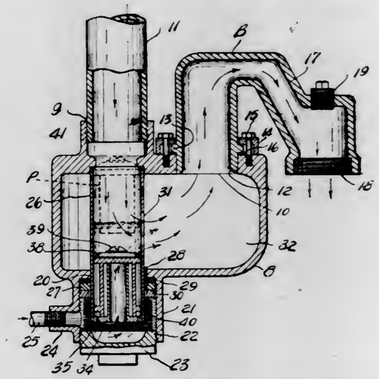
2,382.911
TOOLHOLDER
Edward Thompson Pringle, Jr., Brooklyn, N. Y.
Application May 1, 1944, Serial No. 533,560
2 Claims. (Cl. 29—96)



1. A tool holder including a body having an opening extending thereinto and a slot communicating with the opening, an adjusting screw mounted for rotation in said body and extending longitudinally of the slot, means for holding said screw against longitudinal displacement, a member mounted on and shiftable by the screw and slidable longitudinally of the slot, said member projecting into the opening, cooperating means on the screw and body for indicating the extent of movement of the member by the screw, and a tool slidably mounted in the opening and having a notch into which said member is extended.

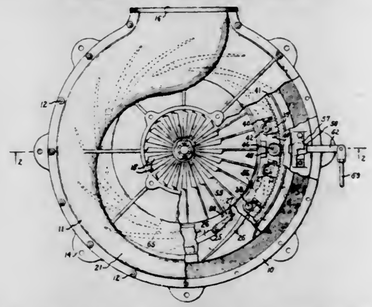
2,382,912
WASTE PIPE TRAP
John W. Richards, Essexville, Mich.
Application September 1, 1944, Serial No. 552,325
12 Claims. (Cl. 182—22)

1. A waste trap of the character described comprising a trap body having a main chamber, waste inlet and outlet pipes opening thereinto, a vertically disposed cylindrical sleeve in alignment with the waste intake opening and a discharge opening intermediate the length of said sleeve, a normally closed water supply pipe open to the lower end of the sleeve, a piston valve



mounted for vertical travel in said sleeve, said piston being actuated when the supply pipe is opened to force the piston upwardly to close the waste inlet pipe and establish communication between the water supply pipe, the main chamber and the outlet pipes.

2,382,913
CENTRIFUGAL COMPRESSOR
Manuel G. Robinson, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application April 12, 1943, Serial No. 482,696
6 Claims. (Cl. 230—114)



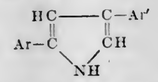
6. Vane type diffuser for centrifugal compressors comprising a side wall, a plurality of circumferentially spaced curved vanes each being essentially convex on one side and concave on the other side and each vane having a major stationary part rigidly secured to the side wall with a thickened convex part on its concave side, and a minor adjustable inlet portion pivotally held on the side wall and in cooperative relation with the thickened part of an adjacent vane to form a minor portion of the diffusing passage.

2,382,914
NEW COLORING MATTERS
Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 3, 1942, Serial No. 457,228. In Great Britain December 17, 1941
13 Claims. (Cl. 260—240)

1. 2:2′:4:4′ - tetraaryl - 5:5′ - aza-dipyrromethines, in which the aryl radicals possess no more than 10 cyclic carbon atoms each.

2,382,915
MANUFACTURE OF SUBSTITUTED PYRROLES
Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 3, 1942, Serial No. 457,229. In Great Britain December 17, 1941
6 Claims. (Cl. 260—313)

6. A process for the manufacture of 2:4-diaryl-pyrroles having the formula



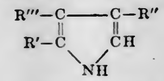
wherein Ar and Ar′ stand for aryl radicals of the benzene series, which comprises bringing a member of the group consisting of the corresponding 2:4-diaryl-pyrrolines and 2:4-diaryl-pyrrolidines into contact, in the liquid phase, with a dehydrogenation agent, at a temperature within the range of 250° to 360° C.

2,382,916
MANUFACTURE OF PYRROLE DERIVATIVES
Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 3, 1942, Serial No. 457,230. In Great Britain December 17, 1941
3 Claims. (Cl. 260—313)

1. 5-nitroso-2:4-diphenylpyrrole.

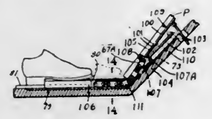
2,382,917
MANUFACTURE OF NEW PYRROLE DERIVATIVES
Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 9, 1943, Serial No. 482,479. In Great Britain July 13, 1942
4 Claims. (Cl. 260—313)

1. A process for the manufacture of sulphonic acids which comprises reacting with a sulphonating acid, a 2:4-diarylpyrrole of the formula



where R′ and R″ each stand for aryl radicals, and where R‴ stands for a member of the group consisting of hydrogen, alkyl, aryl, alkylamino, benzylideneamino and acylamino.

2,382,918
ACCELERATOR PEDAL DEVICE
George A. Rubissow, New York, N. Y.
Original application August 30, 1940, Serial No. 354,891. Divided and this application September 3, 1943, Serial No. 501,099
8 Claims. (Cl. 74—513)

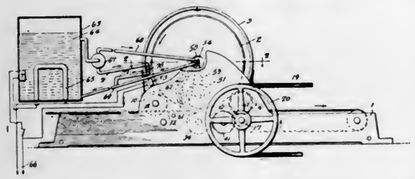


1. A device for actuating an accelerator pedal of a vehicle, comprising a first guide-means rigidly affixed with respect to the floor and having at least one runway provided aside of the longitudinal symmetry axis of said pedal, a second guide means being rigidly affixed with respect to the said pedal and having at least one track aside of the said axis of said pedal, said runway and said track being operatively interconnected with each other through the intermediary of a third means, said third means operatively interconnecting the said track and said runway during its displacement along said accelerator pedal, and a pusher-member attached to the said third means through the intermediary of a flexible interconnection, one end of which is attached to the said pusher-member and the other end of which is attached pivotally to the said third means, whereby when the said pusher-member is pushed to and fro, said accelerator pedal is actuated.

2,382,919
ESTERS OF ALEURITIC ACID
William Joseph Sartori, Brooklyn, N. Y.
No Drawing. Application April 8, 1942, Serial No. 438,119
14 Claims. (Cl. 106—182)

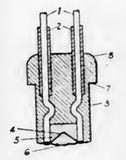
1. A composition of matter containing: a cellulose derivative selected from the group consisting of cellulose ethers and esters; and a lower alkyl aleuritate.

2,382,920
STENCIL COATING MACHINE
Charles F. Schaefer, Westport, Conn.
Application November 18, 1941, Serial No. 419,540
10 Claims. (Cl. 101—120)



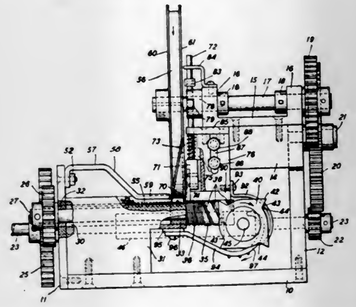
1. A stencil coating machine comprising a hollow rotatable stencil drum adapted to hold in its interior chamber a quantity of the coating material, a pressure roller within the chamber in the drum at the lower part thereof and immersed in the material to force the material through the stencil, a heater within the drum to maintain the material at the desired temperature, means for retaining the article to be coated against the outer surface of the drum, and means for rotating the drum.

2,382,921
EXPLOSIVE
Frederick R. Seavey, Alton, Ill., assignor to Olin Industries, Inc., a corporation of Delaware
Application April 15, 1940, Serial No. 329,650
1 Claim. (Cl. 102—28)



An electric explosion initiator comprising a shell, an organic plastic plug closing the shell, a pair of grooves in the base of the said plug, a pair of insulated electrical lead wires mounted in the plug, said wires having end portions extended in substantially parallel relation along the base of the said plug and locked against rotation within the said grooves, and a resistance wire attached across the said extended portions.

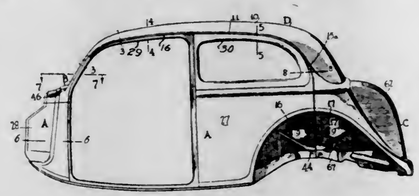
2,382,922
STRAND HANDLING APPARATUS
Gordon C. Spillman, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 22, 1944, Serial No. 523,449
13 Claims. (Cl. 140—2)



1. A strand handling apparatus comprising a support for a plurality of strands, an actuable element formed to receive the strands singly, transport them laterally and simultaneously vary their distances from each other, means to actuate the element, and means to feed the strands to the element.

2,382,923
VEHICLE BODY CONSTRUCTION
George Trautvetter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 3, 1935, Serial No. 34,493. Divided and this application January 11, 1941, Serial No. 374,138
8 Claims. (Cl. 296—28)

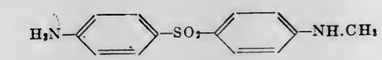
1. In a vehicle body, a unitary front wall stamping extending entirely around the windshield opening framing said opening and forming the outer face of said framing and the front face facing at the sides of the windshield opening but offset inwardly adjacent the top of said opening to form the inner portions of the side combined windshield framing and posts and the top header of the windshield framing, said offset being inwardly of the outer face of the lower portion of the windshield side framing and post facing, a roof panel having its forward portion



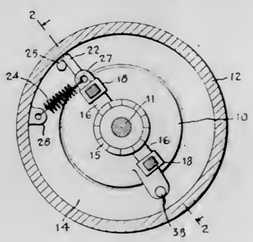
downwardly extended and conforming in transverse extent to the extent of said offset portion and secured in the margins of said offset in the side portions and in the margin of the top header to form the outer face of the upper portion of the windshield framing and post facing.

2,382,924
SULPHONES OF THE AROMATIC SERIES AND A METHOD OF MAKING THE SAME
Rudolf Tschesche, Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application December 31, 1940, Serial No. 372,576. In Germany January 11, 1940
14 Claims. (Cl. 260—397.6)

1. p-Amino-p′-methyl amino diphenyl sulphone having a melting point of 165° C. and corresponding to the following formula

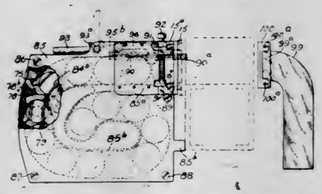


2,382,925
VARIABLE ARC ROTARY ACTUATOR
Charles W. Warren, North Plainfield, N. J.
Application October 5, 1944, Serial No. 557,326
4 Claims. (Cl. 172—277)



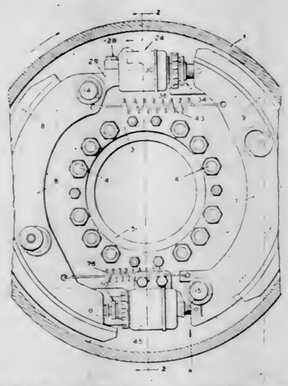
1. An electric actuator comprising a repulsion motor having a flux axis, brushes, a brush holder that positions the brushes along a line that makes an acute angle with the flux axis, a support on which the brush holder is movable to shift the brushes with respect to the flux axis to a position that reduces the motor torque and stops the motor, and motion-transmitting means by which the motor moves the brush holder in the direction that decreases the motor torque.

2,382,926
MAGAZINE FOR AUTOMATIC FIREARMS
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Original application March 22, 1940, Serial No. 325,405. Divided and this application April 6, 1942. Serial No. 437,850
4 Claims. (Cl. 89—34)



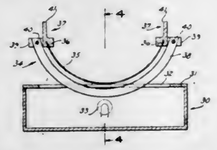
1. A firearm magazine constructed and arranged to contain a cartridge feeder assembly comprising a feeder and cartridges mounted therein, said magazine having an exit and comprising in combination, means defining a path of movement for said feeder assembly within said magazine, means adjacent the exit of the magazine constructed and arranged to normally engage a feeder assembly and position it with its leading end in a predetermined relation to the exit of the magazine and to prevent retrograde movement of said feeder assembly, a handle movably secured to the magazine for carrying the same, and means carried by said handle and movable thereby into engagement with said positioning means to move the same out of engagement with the feeder assembly, whereby movement of said feeder assembly in retrograde direction into the magazine may be effected as when the magazine is being loaded.

2,382,927
DUAL BRAKE
Clarence J. Whitacre, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 9, 1943, Serial No. 513,569
12 Claims. (Cl. 188—152)



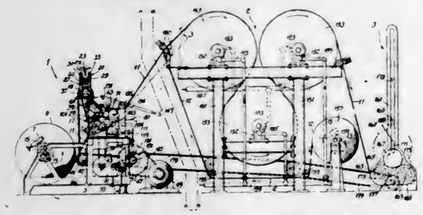
1. In braking mechanism, a brake drum, a supporting plate, to brake shoes mounted for pivotal movement on opposite sides of the plate and having adjacent actuatable ends, means for actuating said ends comprising a single unitary member secured to said support with cylinder portions positioned on opposite sides of the plane of the plate, duct means in said member leading to and for placing the cylinders in communication with each other, pistons in the cylinders, and a single means operable from the exterior of said drum and supporting plate assembly adjustably connecting each piston with respect to the actuatable end of each associated brake shoe.

2,382,928
THERMAL MOTOR
Lewis A. Whitney, Stratford, and Austin C. Kidder, Bridgeport, Conn.
Application April 4, 1940, Serial No. 327,926
11 Claims. (Cl. 60—23)



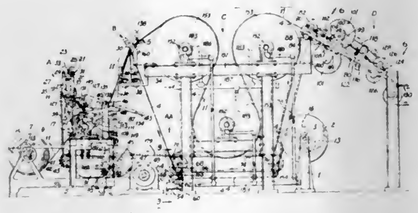
6. In combination, a heat source, a supporting surface heated from said source, a thermal device comprising a thin bimetallic thermal element curved in the direction of its length whereby it has a convex outer surface, means carried by and maintaining said element in said curved condition with said convex surface exposed, said element having its convex outer surface against said heated supporting surface and resting on the same, said thermal device when cold having its center of gravity below and in a radius passing through the center of curvature of the curved portion of the element whereby application of heat from said heated supporting surface causes a characteristic distortion of the element momentarily at the place of contact with said heated supporting surface and results in a shifting of the center of gravity of the device to one side or the other of said radial line thereby producing a rocking motion of the device, and means preventing lateral tipping of said thermal device during such rocking motion.

2,382,929
WEB PASTING APPARATUS
Russell J. Williams, Manhassett Village, Mo., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application May 31, 1943, Serial No. 489,222
3 Claims. (Cl. 91—50)



1. Web pasting apparatus comprising an intaglio paste roll, a frame mounted for rocking adjustments about an axis and carrying said roll, means for driving said roll in any position of the frame comprising a gear train starting with a gear on said axis, means for delivering paste to said roll, a cradle mounted for rocking movement around an axis and substantially at right angles to the rocking movement of said roll frame, and spaced guide rollers in said cradle for guiding a web into arcuate position against the intaglio roll when the cradle is adjusted toward said intaglio roll.

2,382,930
LAMINATING APPARATUS
Russell J. Williams, Manhassett Village, Mo., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application October 28, 1943, Serial No. 507,961
16 Claims. (Cl. 93—18)



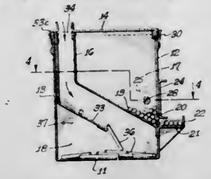
1. Laminating apparatus comprising means for progressively bringing together two webs of material from separate sources, means for applying spaced lateral bars of adhesive on the one web, means for applying a continuous stripe of adhesive near one edge of said web, said stripe joining one set of ends of said bars, means for applying two adhesive stripes respectively near to opposite edges of the other web, one of said last-named stripes being in the plane of the stripe on the first-named web, and means for bringing said webs together while in motion with said adhesive located between the webs.

2,382,931
HYDRAULIC FLUIDS
John C. Woodhouse, Cragmere, and Kenneth E. Walker, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1941, Serial No. 412,608
5 Claims. (Cl. 252—76)

1. A fluid composition adapted for use in fluid actuated apparatus consisting of at least 15 parts of a normally liquid non-cyclic acetal containing an alkanol group, from 15 to 85 parts by volume of a compound selected from the group consisting of vegetable oils, blown vegetable oils and reaction products of such oils with a compound selected from the group consisting of mono-, di- and trihydric alcohols, the remaining parts to give a total of 100 parts by volume consisting of a diluent selected from the group consisting of mono, di, and trihydric alcohols having the formula $R_x(OH)_x$ in which R is a hydrocarbon group and x is from 1 to 3, inclusive.

2,382,932
WELDING ROD CONTAINER
Edgar C. Young, Long Beach, Calif., assignor of one-fourth to Irving Hertz, one-fourth to Nathan Nagel, both of Long Beach, Calif., and one-fourth to Herbert A. Huebner, Los Angeles, Calif.
Application March 1, 1943, Serial No. 477,613
5 Claims. (Cl. 206—16)

2. A welding rod container comprising a substantially closed box having a longitudinal partition with a lower portion sloping to a vertical wall of the box and forming with the walls, top, bottom and ends of the box a rod compartment and a stub compartment, a slot through said wall adjacent the junction of partition and wall in the rod compartment through which welding rods may feed by gravity, and an opening at the top



of the box communicating with the stub compartment for the reception of welding rod stubs.

2,382,933
METHOD OF DRILLING HOLES
John A. Zublin, Los Angeles, Calif.
Application December 16, 1941, Serial No. 423,227
3 Claims. (Cl. 255—1.6)

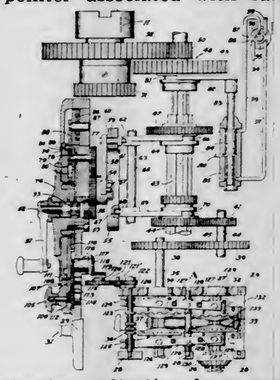


1. The method of drilling a curved bore deviating from an existing straight bore comprising pressing a drilling bit sidewardly into the wall of the existing bore with energy furnished by reaction of an elongated normally curved resilient guide forcibly flexed to a lesser curvature by the walls of the existing bore.

2,382,934
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application March 11, 1940, Serial No. 323,350
9 Claims. (Cl. 90—18)

1. In a machine tool transmission and control mechanism, a driven member, a range changing mechanism connected to drive said driven member in either a high speed range or a low speed range, a speed changing mechanism connected to drive said range changing mechanism at any one of a plurality of stepped speeds within either one of said ranges, a positive-infinitely-variable speed drive mechanism connected to drive said speed changing mechanism at any speed within any one step of said stepped speeds, a power source connected to drive said variable speed mechanism at a predetermined constant speed, control apparatus including a single shifting lever operatively connected to shift said speed changing and range changing mechanisms in coordinated manner, a speed indicating dial carrying speed indicia associated with said shifting lever in manner to be turned thereby to a plurality of positions corresponding to the various speed ratios effected by shifting said speed

changing and range changing mechanisms, an adjusting lever operatively connected to adjust said variable speed mechanism, and a speed indicating pointer associated with said variable



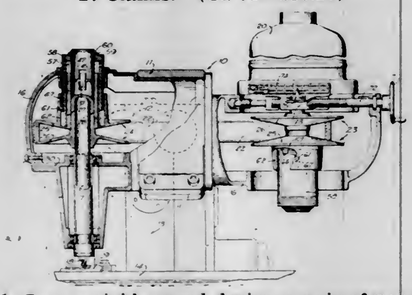
speed mechanism adjusting lever and movable over said speed indicating dial in manner to indicate thereon the speed of said driven member resulting from the combined settings of said mechanisms.

2,382,935

VARIABLE SPEED DRIVE MECHANISM

Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application May 12, 1943, Serial No. 486,682
17 Claims. (Cl. 74—230.17)



1. In a variable speed device, a pair of parallel shafts, an expansible driving pulley on one of said shafts, an expansible driven pulley on the other of said shafts, transmission means operably connecting said pulleys, means for selectively locking said driven pulley in a fixed pitch diameter position, means for varying the pitch diameter of said driving pulley while said driven pulley is locked, means for selectively locking said driving pulley in a fixed pitch diameter position, and means for varying the pitch diameter of said driven pulley while said driving pulley is locked, whereby a selected variable speed within either one of two speed ranges may be imparted to the driven shaft.

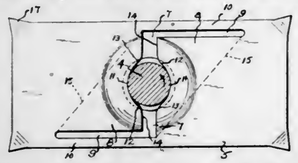
2,382,936

SPRING NUT MEMBER

William A. Bedford, Jr., Boston, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 28, 1942, Serial No. 444,802
4 Claims. (Cl. 85—36)

2. A spring nut member for cooperation with a threaded screw comprising a blank of thin resilient material formed with a screw-receiving opening, said blank being formed with angularly communicating slots having portions extending radially from said opening and then other portions extending in different directions to provide



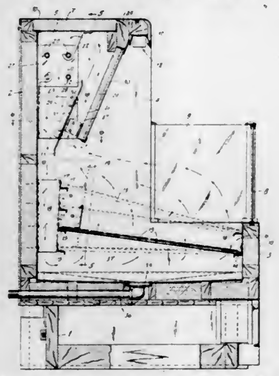
a plurality of similar screw-engaging sections, said screw-engaging sections being flexible outwardly from the body of the blank along lines substantially spaced from said opening and angularly disposed with reference to said radial portions of the slots.

2,382,937

OPEN REFRIGERATED DISPLAY CASE

John R. Caulk, Jr., Ladue, and Russell E. Davis, St. Louis, Mo., assignors, by mesne assignments, to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey

Application November 28, 1941, Serial No. 420,797
13 Claims. (Cl. 62—89.6)



1. A refrigerated display case of the open type, comprising a base, a high rear wall, end walls, a low front wall, a hood projecting from the top of said rear wall and overhanging part of the space between said front and rear walls, a refrigerating device in the top of said case adjacent to said rear wall and above the level of the top of said front wall and a rearwardly inclined curtain wall of insulating material secured to the underside of said hood and tightly fitted thereto and to said end walls, said curtain wall projecting below the level of said front wall.

2,382,938

OXYGENATED ORGANIC POLYMERS

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1941, Serial No. 392,127
10 Claims. (Cl. 260—67)

8. A polymeric linear mono vicinal glycol formal which prior to polymerization consisted of a linear mono vicinal glycol formal containing at least two functional groups selected from the group consisting of hydroxy aliphatic and formal groups.

2,382,939

ULTRAVIOLET LAMP

Edward L. Koch, Williston Park, N. Y., assignor to George W. Gates & Co., Inc., Long Island, N. Y., a corporation of New York

Application June 8, 1944, Serial No. 539,236
1 Claim. (Cl. 176—122)



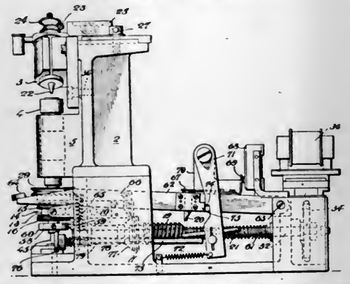
A light unit comprising a tubular fluorescent lamp adapted to radiate both ultra-violet and visible light rays, a surrounding tubular shield substantially co-extensive with said tubular lamp spaced from said lamp and having a portion of its surface composed of a filtering material adapted to transmit only invisible light rays in the ultra-violet and near ultra-violet range and another portion composed of a material adapted to transmit visible light rays, annular spacers interposed between said lamp and shield adjacent the respective ends thereof, and adhesive means closing the spaces between said lamp and shield outwardly of said spacers and permanently sealing said shield to said lamp in a unitary structure.

2,382,940

SURFACING MACHINE

Ralph Bender Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

Application August 18, 1942, Serial No. 455,265
4 Claims. (Cl. 51—71)



1. In a device of the character described, a workholder and a toolholder mounted for relative movement with respect to each other, means adapted to apply cam controlled yielding pressure in a tendency to produce said movement, and timing means adapted to operate said cam and to automatically terminate the operation of said device, said timing means including an exteriorly threaded member secured to said cam and mounted for longitudinal and rotational movement, means for rotating said threaded member, a finger adapted to engage said thread and thereby cause said member to move longitudinally in accordance with its rotation, and a stop member adapted to operate when said sleeve reaches a given position on said shaft.

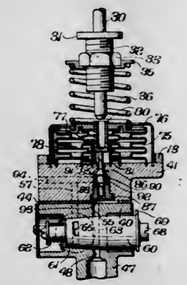
2,382,941

VALVE POSITIONER

Coleman B. Moore, Carroll Park, Pa., assignor to Moore Products Co., Philadelphia, Pa., a copartnership

Application September 4, 1941, Serial No. 409,472
4 Claims. (Cl. 121—41)

1. In positive positioning apparatus for a pressure actuated member, a body portion having an expansible chamber with a movable wall portion responsive to a control fluid pressure in said chamber, means including a resilient compression member acting on said movable portion for applying a restoring force on said movable portion determined by the position of said pressure actuated member, pressure transmitting means actuated by the positioning of said movable portion, said transmitting means including a pilot valve chamber in said body portion having spaced fluid supply and exhaust ports facing each other and coaxial with said expansible chamber, means for supplying pressure fluid to said pilot valve



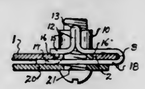
chamber through said supply port, a floating pilot valve within said pilot valve chamber movable between said ports and having a pair of port engaging portions for controlling the fluid supply and exhaust through said ports, a compression spring in said pilot valve chamber in engagement with said pilot valve on the fluid supply port side thereof, an actuating member for said pilot valve coaxial with said expansible chamber extending through said exhaust port and held in engagement with said movable portion for movement in the same direction therewith, and pressure transmitting connections from said pilot valve chamber to said pressure actuated member.

2,382,942

NUT AND NUT INSTALLATION

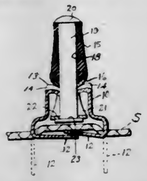
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application August 27, 1942, Serial No. 456,320
2 Claims. (Cl. 85—32)



1. A one-piece sheet metal nut for attachment to a sheet metal support having an aperture therethrough adjacent one edge thereof, said nut comprising a pair of opposed substantially semi-cylindrical threaded portions forming a substantially tubular screw-receiving barrel, pairs of wings formed along the meeting edges of said opposed semi-cylindrical portions, the wings of each pair being joined by bight portions at one end of the barrel and providing the connecting means for the semi-cylindrical portions, lateral extensions formed on the other end of said wings and providing a base for said nut disposed normal to the axis of said barrel and adapted to engage one face of the support, at least one of said lateral extensions being of a length to engage over the adjacent edge of the support and a portion of the opposite face thereof to securely position the nut on the support.

2,382,943
TURN BUTTON FASTENER
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 5, 1943, Serial No. 493,616
2 Claims. (Cl. 24—221)

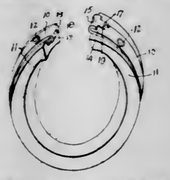


1. A turn button fastener comprising metal stationary part adapted to be attached to an object of support, a rotatable head carried thereby, said head comprising a body of molded polystyrene composition and a sheet metal wear plate embedded in that end thereof which bears against said stationary part, a spring member and a pin member passed through said head, stationary part and spring member for securing said parts together in tensional relationship.

2,382,944
MANUFACTURE OF PHENOLS
Frank Porter, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application October 11, 1941, Serial No. 414,592
9 Claims. (Cl. 260—621)

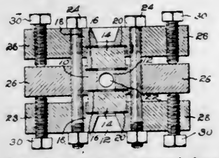
1. In the manufacture of a phenol by vapor phase oxidation of an aromatic hydrocarbon, wherein the phenol formed is fractionally condensed from the product gases leaving uncondensed a residual acidic gaseous mixture, the improvement which comprises washing said residual gaseous mixture with aqueous alkali-metal phenate solution in sufficient amount to substantially neutralize the acidic constituents of said mixture and to convert said alkali metal phenate into phenol.

2,382,945
FASTENER DEVICE FOR ELECTRICAL CONDUCTORS
Warren L. Trafton, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 13, 1943, Serial No. 502,394
9 Claims. (Cl. 24—81)



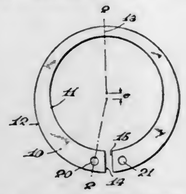
3. A fastener device comprising a band bendable into the form of a closed loop and adapted to receive and hold an article such as wire, the opposite terminal ends of said band being formed with cooperating interlocking hooked portions to resist separation of the ends in an expandible direction outwardly from the center of the loop, one of said hooked portions being formed with a tongue and the other of said hooked portions being formed with a recess to receive said tongue for locking said ends together against relative shifting movement laterally.

2,382,946
LIQUID LEVEL GAUGE
Ernest E. Van Ham, Somerville, Mass., assignor, by mesne assignments, to Jerguson Gage & Valve Co., Somerville, Mass., a corporation of Massachusetts
Application June 16, 1944, Serial No. 540,625
7 Claims. (Cl. 73—329)



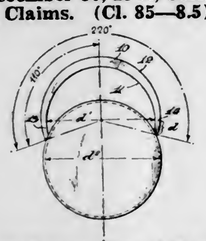
1. A liquid level gauge comprising a chambered body, a glass cooperating therewith to define a receptacle for the liquid column, a frame-like cover overlying the margins of the glass, bolts through the cover and body for pressing the former inwardly and adjustable means exterior of the bolts for applying outward pressure to the exterior portion of the cover to hold the interior margin thereof against the glass.

2,382,947
SECURING MEANS
Lawrence Brozek, Jackson Heights, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application July 27, 1944, Serial No. 546,865
8 Claims. (Cl. 85—8.5)



1. Securing means comprising an open-ended spring ring having outer and inner circular edges which are eccentrically arranged to each other in such manner that the section heights increase uniformly from the mid section to the free ends thereof.

2,382,948
OPEN RETAINING RING
Lawrence Brozek, Jackson Heights, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,697
4 Claims. (Cl. 85—8.5)



1. An open retaining ring of the type adapted to be sprung into a seating groove formed in a shaft and the like comprising a ring-form segment of spring metal, the gap-width of the segment being smaller than the diameter of the groove but large enough to permit the segment to be spread directly over the shaft in the plane of the seating groove, the inner and outer edges of the ring segment extending along circular arcs which are eccentric to each other and arranged so that the section heights of the ring segment decrease from the middle section to the free ends thereof.

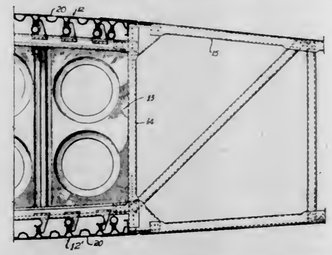
2,382,949
BUBBLE FORMING DEVICE
Ian McLaren, New York, N. Y.
Application February 28, 1942, Serial No. 432,737
3 Claims. (Cl. 46—6)



1. An improved bubble forming device comprising a solid handle and a closed loop of filamentary material at one end thereof.

2,382,950
AIRCRAFT STRUCTURE
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 14, 1942, Serial No. 458,251
15 Claims. (Cl. 244—123)

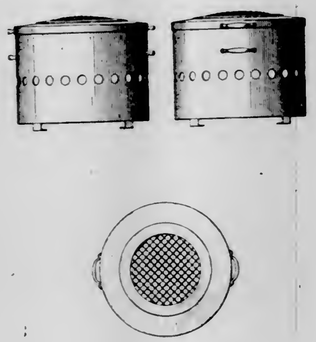
1. In an airfoil structure, a plurality of spaced chordwise extending ribs, a skin blanket embodying a skin sheet and a plurality of spanwise extending stringers secured to said skin sheet, the skin blanket being disposed entirely above the ribs, a plurality of attaching portions extending from said stringers in lapped relation with vertical side faces of said ribs, and means for securing said attaching portions to said ribs through said side faces, the stringers having their lowermost parts disposed in a surface located at a distance from a parallel surface defining the uppermost adjacent parts of the ribs so that the attaching portions form strut-like connections between the stringers and ribs, whereby the skin blanket may be shifted longitudinally along the length of the ribs or transversely along the width of the ribs to take up an adjusted position in making connection between the skin blanket and the ribs, and whereby the attaching means are subjected to load during flight.



DESIGNS

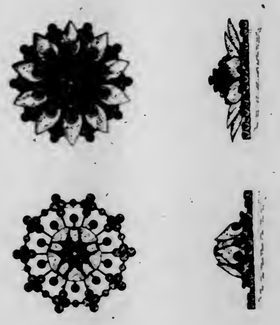
AUGUST 14, 1945

142,009
DESIGN FOR A DEODORIZER
Walter E. Anderson, Kansas City, Mo., assignor to Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo., a corporation of Missouri
Application October 16, 1944, Serial No. 115,814
Term of patent 14 years
(Cl. D16—2)



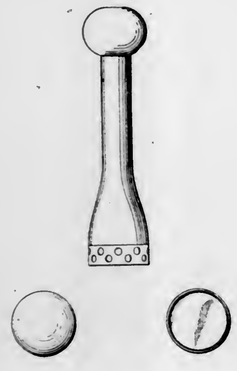
The ornamental design for a deodorizer, as shown.

142,010
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Julien Arpels, New York, N. Y.
Application April 25, 1945, Serial No. 119,214
Term of patent 3½ years
(Cl. D45—19)



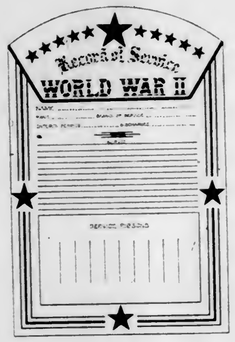
The ornamental design for a clip or similar article, substantially as shown and described.

142,011
DESIGN FOR A BUTTER SUBSTITUTE MIXING DEVICE
Ralph R. Auerswald, San Diego, Calif.
Application January 20, 1945, Serial No. 117,518
Term of patent 14 years
(Cl. D44—29)



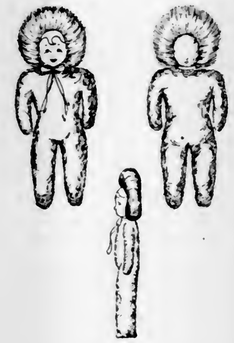
The ornamental design for a butter substitute mixing device, substantially as shown.

142,012
DESIGN FOR A SERVICE RECORD PLAQUE OR SIMILAR ARTICLE
William A. Baker, Hattiesburg, Miss.
Application October 18, 1944, Serial No. 115,842
Term of patent 3½ years
(Cl. D29—23)



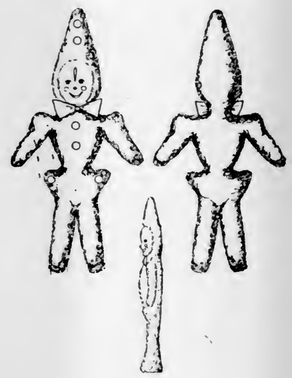
The ornamental design for a service record plaque or similar article, as shown.

142,013
DESIGN FOR A DOLL
Oscar Ball, New York, N. Y.
Application April 17, 1945, Serial No. 119,048
Term of patent 3½ years
(Cl. D34—4)



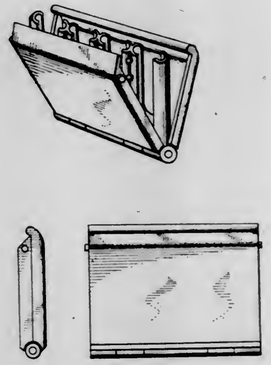
The ornamental design for a doll, substantially as shown.

142,014
DESIGN FOR A DOLL
Oscar Ball, New York, N. Y.
Application April 17, 1945, Serial No. 119,049
Term of patent 3½ years
(Cl. D34—4)



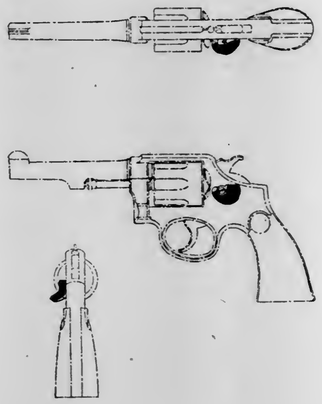
The ornamental design for a doll, substantially as shown.

142,015
DESIGN FOR A COIN RECEPTACLE
Robert S. Berens, New York, N. Y.
Application December 9, 1944, Serial No. 116,819
Term of patent 3½ years
(Cl. D87—3)



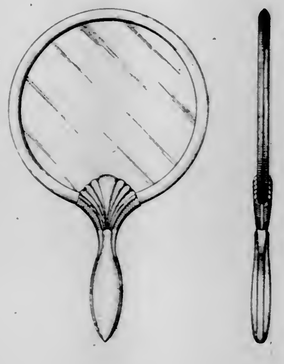
The ornamental design for a coin receptacle, as shown and described.

142,016
DESIGN FOR A THUMB REST FOR FIREARMS OR SIMILAR ARTICLE
Emil A. Birk, Buffalo, N. Y., assignor to Smith and Wesson Inc., Springfield, Mass., a corporation of Massachusetts
Application April 4, 1945, Serial No. 118,853
Term of patent 14 years
(Cl. D30—1)



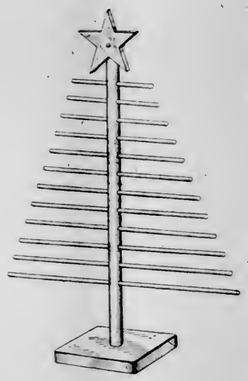
The ornamental design for a thumb rest for firearms or similar article, substantially as shown and described.

142,017
DESIGN FOR A HAND MIRROR
Herbert W. Brown, Chicago, Ill.
Application April 20, 1945, Serial No. 119,113
Term of patent 14 years
(Cl. D86—10)



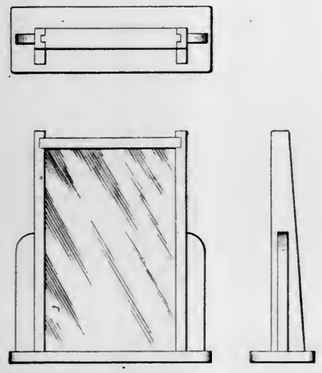
The ornamental design for a hand mirror, substantially as shown and described.

142,018
DESIGN FOR A DISPLAY DEVICE
Virginia K. Campbell, Evanston, Ill.
Application April 16, 1945, Serial No. 119,037
Term of patent 14 years
(Cl. D80—9)



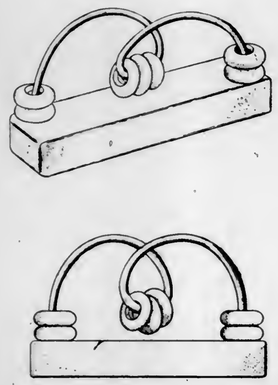
The ornamental design for a display device, as shown.

142,019
DESIGN FOR A PICTURE FRAME
William P. Campbell, Los Angeles, Calif.
Application April 23, 1945, Serial No. 119,148
Term of patent 3½ years
(Cl. D29—20)



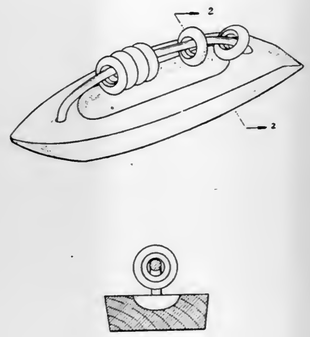
The ornamental design for a picture frame, as shown.

142,020
DESIGN FOR A RING-LOOP TOY
David Davidson, Los Angeles, Calif.
Application February 15, 1945, Serial No. 117,964
Term of patent 3½ years
(Cl. D34—15)



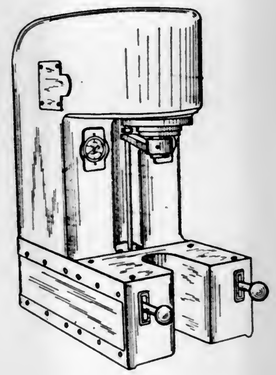
The ornamental design for a ring-loop toy, as shown.

142,021
DESIGN FOR A RING-BOAT TOY
David Davidson, Los Angeles, Calif.
Application February 15, 1945, Serial No. 117,965
Term of patent 3½ years
(Cl. D34—15)



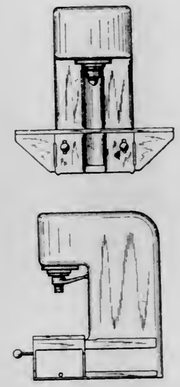
The ornamental design for a ring-boat toy, as shown.

142,022
DESIGN FOR A HYDRAULIC PRESS
William C. Denison, Jr., Powell, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application November 30, 1944, Serial No. 116,620
Term of patent 14 years
(Cl. D63—1)



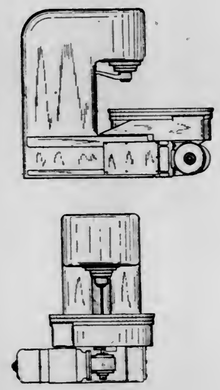
The ornamental design for a hydraulic press, substantially as shown and described.

142,023
DESIGN FOR A BENCH PRESS
William C. Denison, Jr., Powell, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application November 30, 1944, Serial No. 116,621
Term of patent 14 years
(Cl. D63—1)



The ornamental design for a bench press, substantially as shown and described.

142,024
DESIGN FOR A PRESS WITH INDEXING TABLE
William C. Denison, Jr., Powell, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application November 30, 1944, Serial No. 116,622
Term of patent 14 years
(Cl. D63—1)



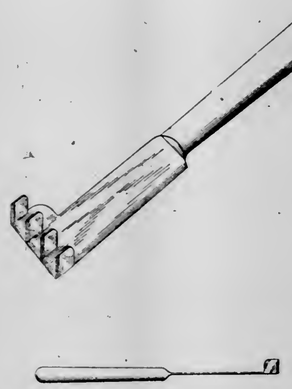
The ornamental design for a press with indexing table, substantially as shown and described.

142,025
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application June 15, 1945, Serial No. 120,119
Term of patent 3½ years
(Cl. D3—4)



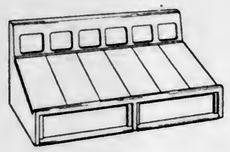
The ornamental design for a coat, substantially as shown.

142,026
DESIGN FOR A POTATO CUTTER
John S. Garner, Darlington, S. C.
Application May 14, 1945, Serial No. 119,539
Term of patent 7 years
(Cl. D89—1)



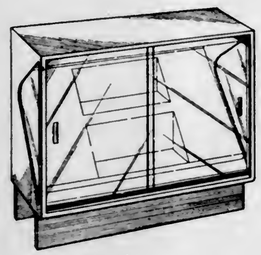
The ornamental design for a potato cutter, as shown.

142,027
DESIGN FOR A MERCHANDISE DISPLAY CASE
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application November 8, 1944, Serial No. 116,226
Term of patent 14 years
(Cl. D80—11)



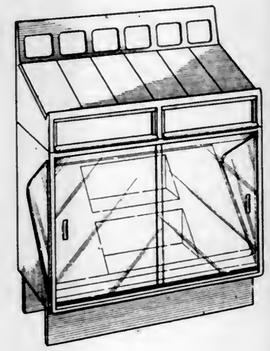
The ornamental design for a merchandise display case, as shown.

142,028
DESIGN FOR A MERCHANDISE DISPLAY CASE
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application November 8, 1944, Serial No. 116,227
Term of patent 14 years
(Cl. D80—11)



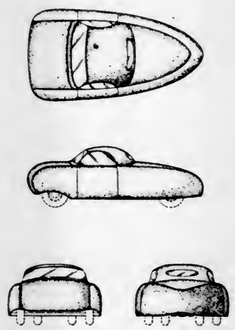
The ornamental design for a merchandise display case, as shown.

142,029
DESIGN FOR A MERCHANDISE DISPLAY CASE
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application November 8, 1944, Serial No. 116,228
Term of patent 14 years
(Cl. D80—11)



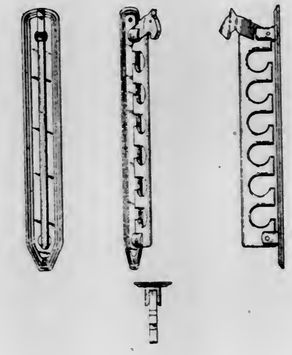
The ornamental design for a merchandise display case, as shown.

142,030
DESIGN FOR AN AUTOMOBILE
William S. Hewson, West Los Angeles, Calif.
Application November 13, 1944, Serial No. 116,304
Term of patent 14 years
(Cl. D14—3)



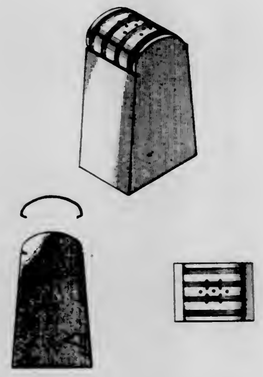
The ornamental design for an automobile, as shown and described.

142,031
DESIGN FOR A TIE RACK OR SIMILAR ARTICLE
Anton Peter Jankas, Chicago, Ill.
Application June 26, 1944, Serial No. 114,194
Term of patent 14 years
(Cl. D33—8)



The ornamental design for a tie rack or similar article, substantially as shown.

142,032
DESIGN FOR A CONDIMENT RECEPTACLE
Harry W. Keuper, Fort Thomas, Ky., assignor to George H. Lackner, Cincinnati, Ohio
Application March 26, 1945, Serial No. 118,708
Term of patent 14 years
(Cl. D44—22)



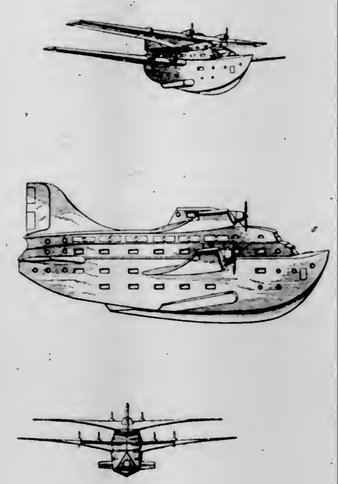
The ornamental design for a condiment receptacle, substantially as shown and described.

142,033
DESIGN FOR A TOY DOG
Bertha M. Lochridge, Syracuse, N. Y.
Application April 16, 1945, Serial No. 119,024
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a toy dog, as shown.

142,034
DESIGN FOR A HYDROPLANE
Paul S. Lubienski, Alexandria, Va.
Application November 25, 1944, Serial No. 116,551
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a hydroplane, as shown.

142,035
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,954
Term of patent 3½ years
(Cl. D45—19)



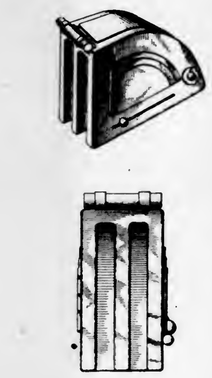
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,036
DESIGN FOR A SPECTACLE FRONT
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application March 11, 1944, Serial No. 112,872
Term of patent 14 years
(Cl. D57—1)



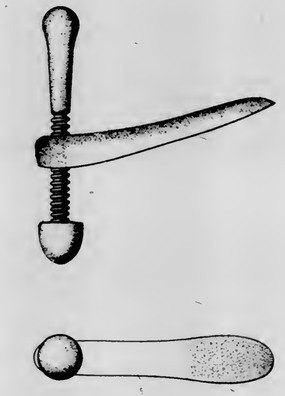
The ornamental design for a spectacle front, substantially as shown and described.

142,037
DESIGN FOR AN ELECTRIC TOASTER
Herbert E. Page, Alhambra, Calif.
Application October 31, 1944, Serial No. 116,077
Term of patent 14 years
(Cl. D81—10)



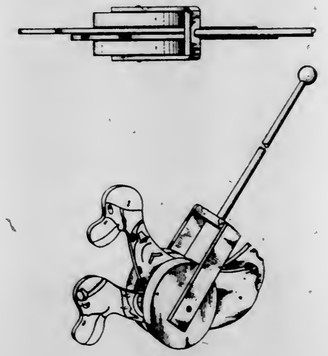
The ornamental design for an electric toaster, substantially as shown.

142,038
DESIGN FOR A SHOE TREE
Stefan W. Robitsek, New York, N. Y.
Application September 12, 1944, Serial No. 115,279
Term of patent 7 years
(Cl. D7—3)



The ornamental design for a shoe tree, as shown and described.

142,039
DESIGN FOR A TOY
Elmer C. Ruehle, Alhambra, Calif.
Application December 15, 1944, Serial No. 116,910
Term of patent 7 years
(Cl. D34—15)



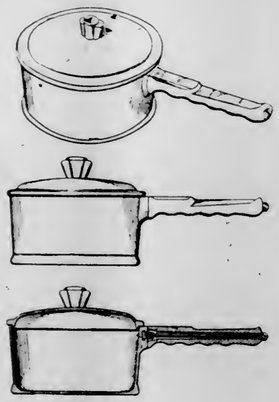
The ornamental design for a toy, as shown.

142,040
DESIGN FOR A VAGINAL DIAPHRAGM INSERTER
Otto L. Schmitt, Denver, Colo.
Application April 24, 1945, Serial No. 119,166
Term of patent 14 years
(Cl. D83—1)



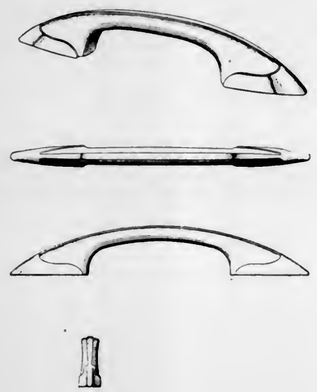
The ornamental design for a vaginal diaphragm inserter, as shown.

142,041
DESIGN FOR A COOKING VESSEL OR THE LIKE
Norbert Shaeffer, Los Angeles, Calif., assignor to Kinney Aluminum Company, Los Angeles, Calif., a copartnership consisting of Roland T. Kinney and Wendell H. Kenney
Application January 30, 1945, Serial No. 117,679
Term of patent 14 years
(Cl. D44—1)



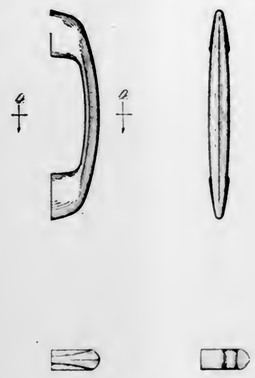
The ornamental design for a cooking vessel or the like, as shown.

142,042
DESIGN FOR A HANDLE FOR STOVES OR THE LIKE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,537
Term of patent 7 years
(Cl. D81—25)



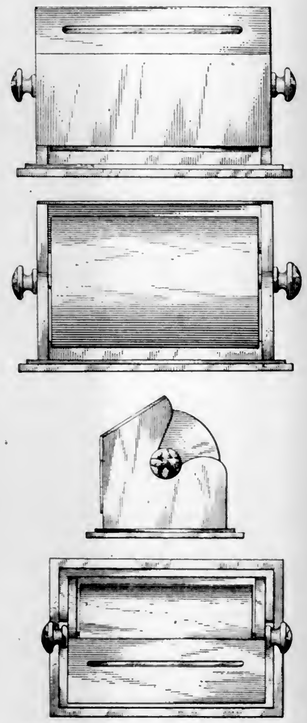
The ornamental design for a handle for stoves or the like, substantially as shown.

142,043
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application December 4, 1944, Serial No. 116,694
Term of patent 7 years
(Cl. D10—8)



The ornamental design for a drawer pull or similar article, substantially as shown.

142,044
DESIGN FOR A CASING FOR A CALCULATING DEVICE
Arthur M. Swasey, Henderson, Ky.
Application March 14, 1945, Serial No. 118,483
Term of patent 3½ years
(Cl. D64—11)



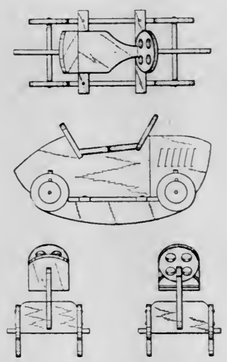
The ornamental design for a casing for a calculating device, as shown.

142,045
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Mario Tanzi, Chicago, Ill.
Application April 25, 1945, Serial No. 119,216
Term of patent 14 years
(Cl. D45—19)



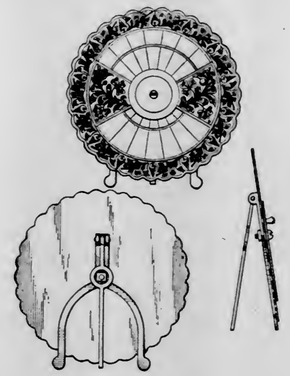
The ornamental design for a brooch or similar article of jewelry, substantially as shown.

142,046
DESIGN FOR A CHILD'S ROCKING DEVICE
Ben C. Timmerman, Hibbing, Minn.
Application February 3, 1945, Serial No. 117,741
Term of patent 14 years
(Cl. D34—15)



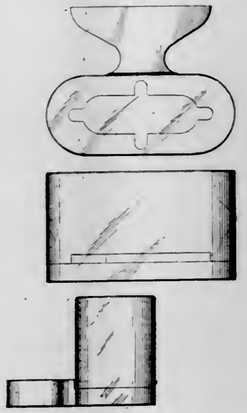
The ornamental design for a child's rocking device, as shown.

142,047
DESIGN FOR A FORTY YEAR CALENDAR FRAME
Paul N. Tinello, Canastota, N. Y., assignor of fifty per cent to Anthony Capparelli, Canastota, N. Y.
Application February 27, 1945, Serial No. 118,169
Term of patent 14 years
(Cl. D74—5)



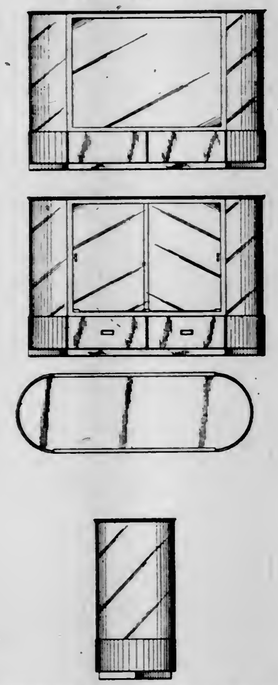
The ornamental design for a forty year calendar frame, as shown.

142,048
DESIGN FOR A TOOTHBRUSH HOLDER OR SIMILAR ARTICLE
Willard R. Via, Panama City, Fla.
Application February 21, 1945, Serial No. 118,077
Term of patent 3½ years
(Cl. D4—3)



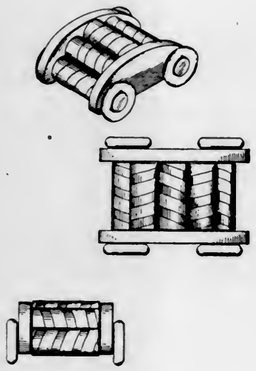
The ornamental design for a toothbrush holder or similar article, as shown.

142,049
DESIGN FOR A DISPLAY CABINET
Dean T. Waddell, Greenfield, Ohio
Application February 8, 1945, Serial No. 117,821
Term of patent 7 years
(Cl. D80—11)



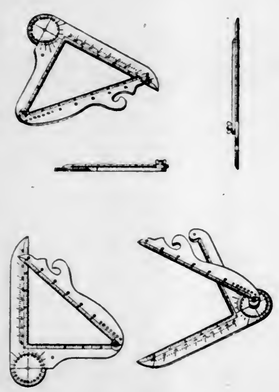
The ornamental design for a display cabinet, as shown.

142,050
DESIGN FOR A WHEELED TOY
George M. Wallner, Iron Mountain, Mich., assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, Toledo, Ohio
Application April 26, 1945, Serial No. 119,232
Term of patent 14 years
(Cl. D34—15)



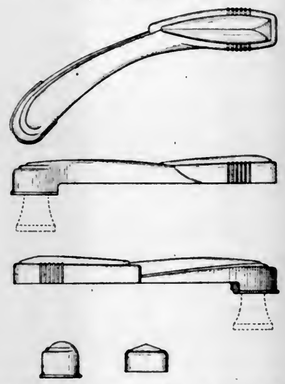
The ornamental design for a wheeled toy, substantially as shown.

142,051
DESIGN FOR A MULTIPLE DRAFTING INSTRUMENT OR THE LIKE
Paul W. White, New Haven, Conn.
Application November 20, 1944, Serial No. 116,454
Term of patent 14 years
(Cl. D52—1)



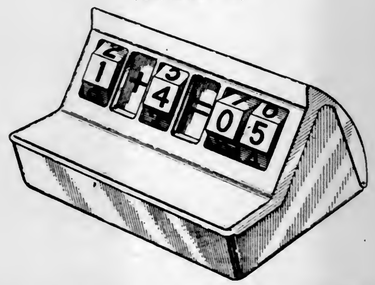
The ornamental design for a multiple drafting instrument or the like, substantially as shown.

142,052
DESIGN FOR A PHONOGRAPH PICKUP ARM
Louis J. Wronke, Des Plaines, Ill., assignor to S. N. Shure, and Frances Shure, trustee, doing business as Shure Brothers, Chicago, Ill.
Application May 14, 1945, Serial No. 119,545
Term of patent 14 years
(Cl. D26—14)



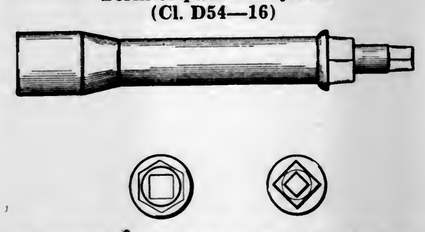
The ornamental design for a phonograph pickup arm, as shown.

142,053
DESIGN FOR AN EDUCATIONAL TOY FOR TEACHING ARITHMETIC
David Wurster, New York, N. Y., assignor to Jack Bergman, Pittsburgh, Pa.
Application April 24, 1945, Serial No. 119,168
Term of patent 14 years
(Cl. D25—1)



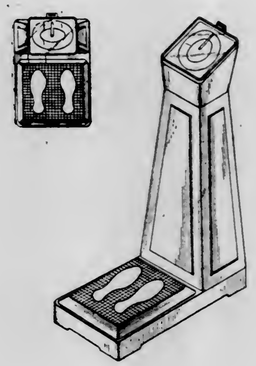
The ornamental design for an educational toy for teaching arithmetic, as shown.

142,054
DESIGN FOR A DUPLEX SOCKET WRENCH
Matthew Lyle Young, Huntington Park, Calif.
Application January 22, 1945, Serial No. 117,530
Term of patent 14 years
(Cl. D54—16)



The ornamental design for a duplex socket wrench, substantially as shown.

142,055
DESIGN FOR A WEIGHING SCALE
George D. Barok, Columbus, Ohio
Application March 2, 1945, Serial No. 118,237
Term of patent 14 years
(Cl. D52—10)



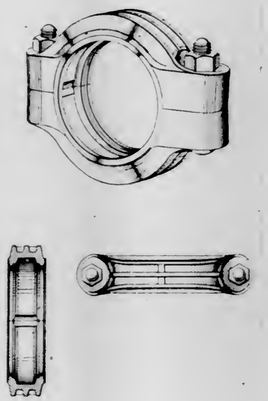
The ornamental design for a weighing scale, as shown.

142,056
DESIGN FOR A PICTURE FRAME
Albert Barrett, Elmhurst, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application January 18, 1944, Serial No. 112,258
Term of patent 7 years
(Cl. D29—20)



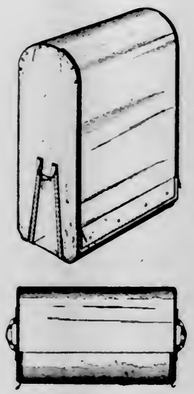
The ornamental design for a picture frame, substantially as shown and described.

142,057
DESIGN FOR A PIPE COUPLING
Ernest W. Baxter, Bradford, Pa., assignor to Dresser Industries, Inc., a corporation of Pennsylvania
Application October 19, 1944, Serial No. 115,872
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a pipe coupling, as shown.

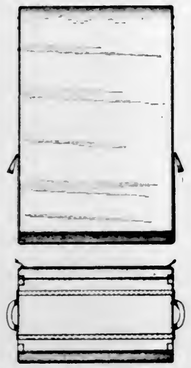
142,058
DESIGN FOR A PORTABLE CLOTHES CONTAINER
Alan C. Botsford, Brooklyn, and Charles J. Chasse, Whitestone, N. Y., assignors to American Airlines, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1944, Serial No. 116,347
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a portable clothes container, substantially as shown.

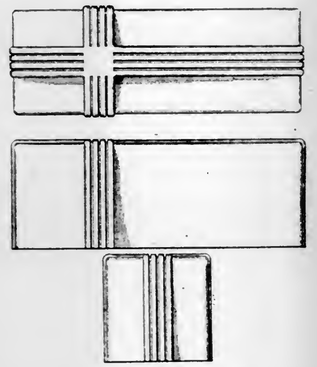
142,059
DESIGN FOR A PORTABLE CLOTHES RACK
Alan C. Botsford, Brooklyn, and Charles J. Chasse, Whitestone, N. Y., assignors to American Airlines, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1944, Serial No. 116,346
Term of patent 14 years
(Cl. D80—9)

142,058—Continued



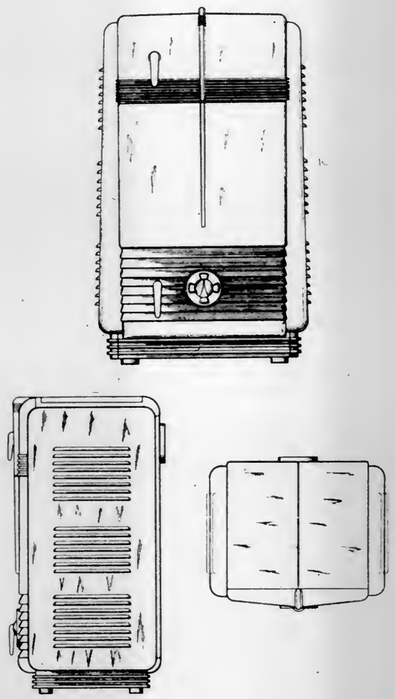
The ornamental design for a portable clothes rack, substantially as shown.

142,060
DESIGN FOR A BURIAL VAULT
Robert E. Butler, La Crosse, Wis.
Application May 11, 1945, Serial No. 119,492
Term of patent 14 years
(Cl. D19—1)



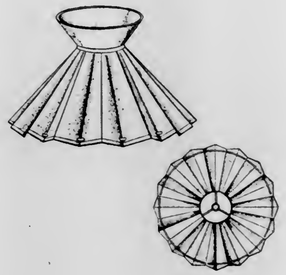
The ornamental design for a burial vault, as shown.

142,061
DESIGN FOR A CIRCULATING HEATER
Lafayette H. Caldwell, Lookout Mountain, Tenn.
Application March 1, 1945, Serial No. 118,196
Term of patent 7 years
(Cl. D81—19)



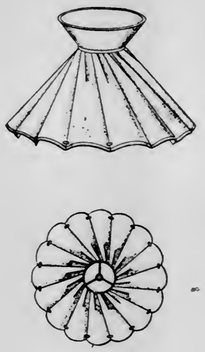
The ornamental design for a circulating heater, as shown.

142,062
DESIGN FOR A LAMP SHADE
Rudolph Castro, Los Angeles, Calif.
Application April 16, 1945, Serial No. 119,039
Term of patent 7 years
(Cl. D48—16)



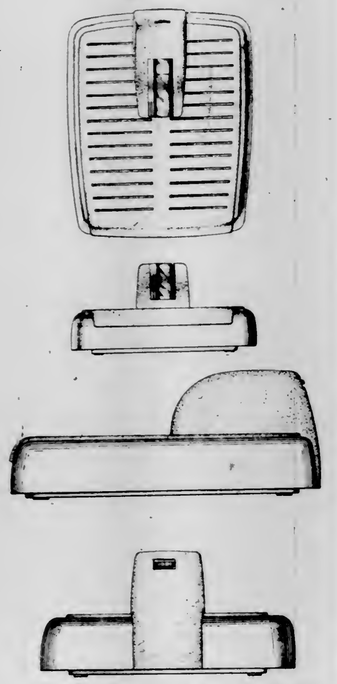
The ornamental design for a lamp shade, as shown.

142,063
DESIGN FOR A LAMP SHADE
Rudolph Castro, Los Angeles, Calif.
Application April 16, 1945, Serial No. 119,040
Term of patent 7 years
(Cl. D48—16)



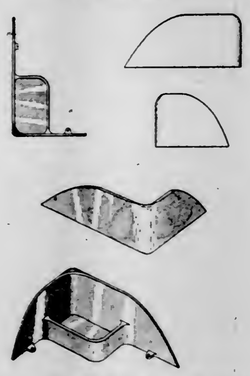
The ornamental design for a lamp shade, as shown.

142,064
DESIGN FOR A BATHROOM SCALE
Dave Chapman, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1945, Serial No. 119,383
Term of patent 14 years
(Cl. D52—10)



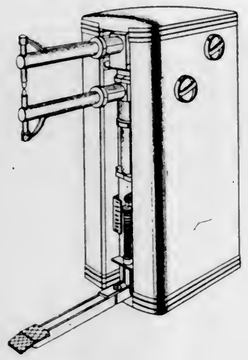
The ornamental design for a bathroom scale, as shown.

142,065
DESIGN FOR A GUARD FOR SEWING MACHINES
Alexandra P. Duba, San Francisco, Calif.
Application March 21, 1945, Serial No. 118,615
Term of patent 7 years
(Cl. D70—2)



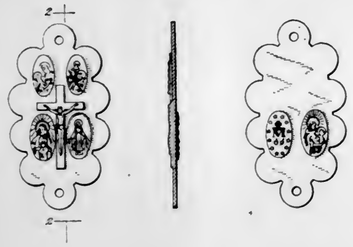
The ornamental design for a guard for sewing machines, as shown.

142,066
DESIGN FOR A RESISTANCE WELDER
Ulysses S. Dunn, Aurora, Ill.
Application August 14, 1944, Serial No. 114,878
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a resistance welder, substantially as shown and described.

142,067
DESIGN FOR A ROSARY MEDAL
Walter J. Duzmal, Chicago, Ill.
Application April 14, 1945, Serial No. 118,990
Term of patent 7 years
(Cl. D45—17)



The ornamental design for a rosary medal, substantially as shown.

142,068
DESIGN FOR AN EMBROIDERED TRIMMING OR THE LIKE
John Goldfrank, New York, N. Y.
Application May 26, 1945, Serial No. 119,742
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or the like, substantially as shown.

142,069
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application June 30, 1945, Serial No. 120,418
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

142,070
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application June 30, 1945, Serial No. 120,419
Term of patent 3½ years
(Cl. D3—4)



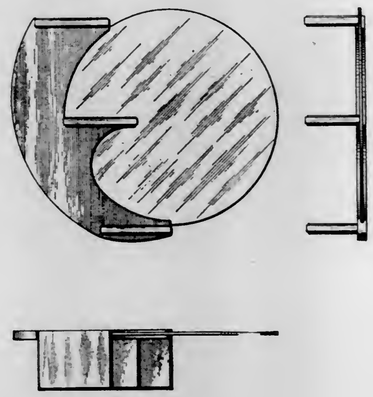
The ornamental design for a coat, substantially as shown.

142,071
DESIGN FOR A WHEELED TOY
Willis T. Guild, Gulfport, Miss.
Application April 20, 1945, Serial No. 119,116
Term of patent 7 years
(Cl. D34—15)



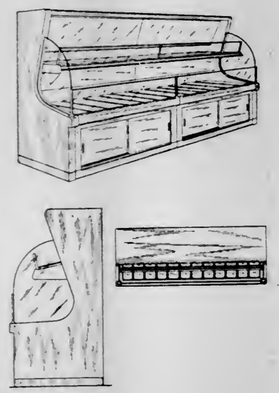
The ornamental design for a wheeled toy, as shown.

142,072
DESIGN FOR A COMBINED WHATNOT SHELF AND MIRROR
Frank P. Heaney, Los Angeles, Calif.
Application December 26, 1944, Serial No. 117,081
Term of patent 7 years
(Cl. D33—9)



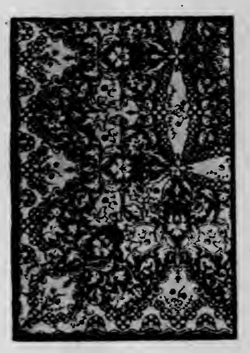
The ornamental design for a combined whatnot shelf and mirror, substantially as shown.

142,073
DESIGN FOR A SELF-SERVICE DISPLAY CASE
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey
Application May 10, 1945, Serial No. 119,474
Term of patent 14 years
(Cl. D80—11)



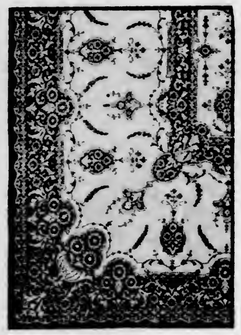
The ornamental design for a self-service display case, as shown.

142,074
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,321
Term of patent 7 years
(Cl. D92—26)



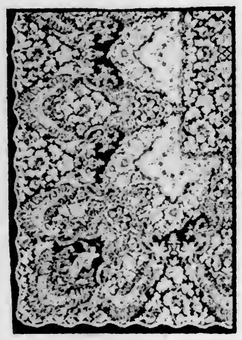
The ornamental design for a lace tablecloth, substantially as shown and described.

142,075
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,322
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

142,076
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,323
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

142,077
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 25, 1945, Serial No. 119,192
Term of patent 3½ years
(Cl. D45—19)



The ornanemtal design for a brooch or similar article, substantially as shown.

142,078
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 25, 1945, Serial No. 119,193
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,079
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 25, 1945, Serial No. 119,194
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,080
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 25, 1945, Serial No. 119,195
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,081
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 25, 1945, Serial No. 119,196
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,082
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,264
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,083
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,265
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,084
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,268
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,085
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,269
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,086
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application May 2, 1945, Serial No. 119,358
Term of patent 3½ years
(Cl. D45—19)



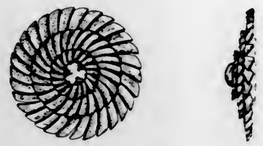
The ornamental design for a brooch or similar article, substantially as shown.

142,087
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,266
Term of patent 3½ years
(Cl. D45—19)



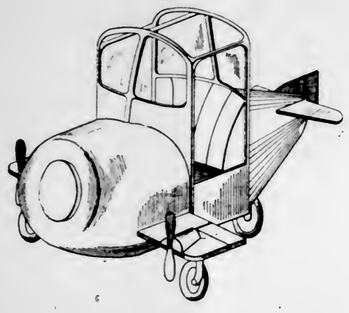
The ornamental design for a clip or similar article, substantially as shown.

142,088
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Alice Mason Johnson, New York, N. Y.
Application April 27, 1945, Serial No. 119,267
Term of patent 3½ years
(Cl. D45—19)



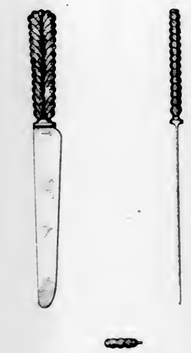
The ornamental design for a clip or similar article, substantially as shown.

142,089
DESIGN FOR A CHILD'S AEROVELOCIPEDE
Joseph F. Jones, Cortland, N. Y.
Application December 5, 1944, Serial No. 116,719
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's aerovelocipede, as shown.

142,090
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Philip Katz, Riverside, Calif.
Application March 14, 1945, Serial No. 118,487
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a knife or other article of flatware, as shown.

142,091
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Philip Katz, Riverside, Calif.
Application March 14, 1945, Serial No. 118,488
Term of patent 14 years
(Cl. D22—3)



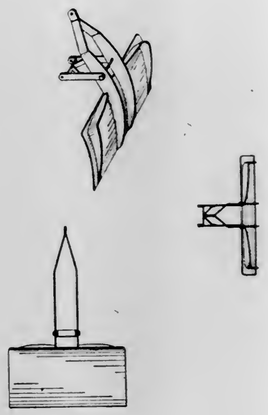
The ornamental design for a knife or other article of flatware, as shown.

142,092
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Philip Katz, Riverside, Calif.
Application March 14, 1945, Serial No. 118,489
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a knife or other article of flatware, as shown.

142,093
DESIGN FOR A SCRAPER ATTACHMENT FOR LIVE BOOMS
Kenneth J. Kennedy, South San Francisco, Calif.
Application November 4, 1944, Serial No. 116,149
Term of patent 7 years
(Cl. D41—1)



The ornamental design for a scraper attachment for live booms, as shown.

142,094
DESIGN FOR A ROCKING CHAIR
Francis McKee Kirkpatrick, Muncie, Ind., assignor to Durham Manufacturing Corporation, Muncie, Ind., a corporation of Indiana
Application January 30, 1945, Serial No. 117,673
Term of patent 14 years
(Cl. D15—6)



The ornamental design for a rocking chair, as shown.

142,095
DESIGN FOR A BOX OR SIMILAR ARTICLE
Bernard Lamotte, New York, N. Y., assignor to Pinaud Incorporated, New York, N. Y., a corporation of New York
Application February 24, 1945, Serial No. 118,122
Term of patent 14 years
(Cl. D58—11)



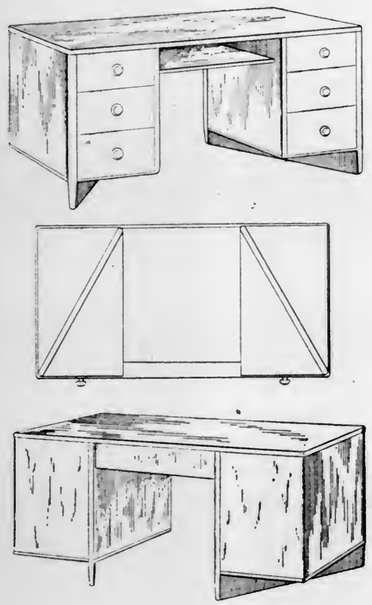
The ornamental design for a box or similar article, as shown.

142,096
DESIGN FOR A COMBINATION OF COSTUMER AND SHELF UNIT OR SIMILAR DEVICE
Benjamin E. Levin, Boston, Mass.
Application January 1, 1945, Serial No. 117,212
Term of patent 7 years
(Cl. D80—8)



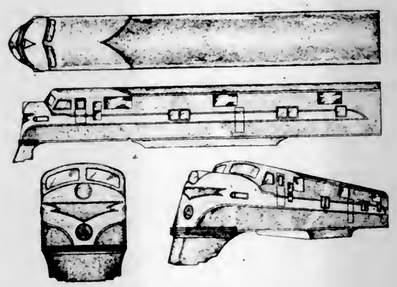
The ornamental design for a combination of costumer and shelf unit or similar device, substantially as shown and described.

142,097
DESIGN FOR A DESK
Russell B. Lindgren, Piedmont, and Chester H. Ristenpart, San Francisco, Calif.; said Lindgren assignor to said Ristenpart
Application November 18, 1944, Serial No. 116,429
Term of patent 14 years
(Cl. 33—7)



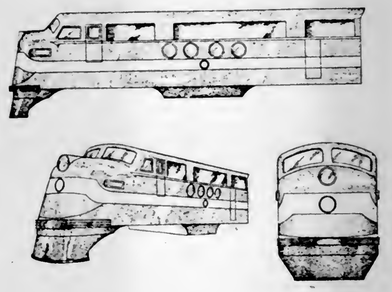
The ornamental design for a desk, as shown.

142,098
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,111
Term of patent 14 years
(Cl. D66—1)



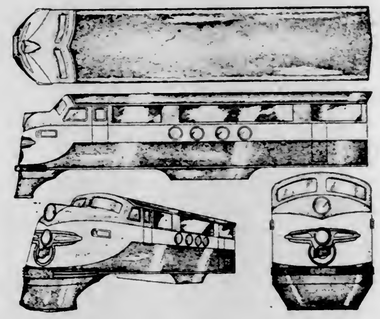
The ornamental design for a locomotive body, substantially as shown and described.

142,099
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,112
Term of patent 14 years
(Cl. D66—1)



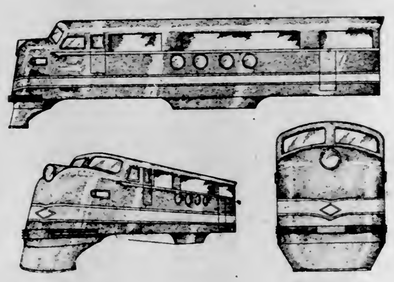
The ornamental design for a locomotive body, substantially as shown and described.

142,100
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,113
Term of patent 14 years
(Cl. D66—1)



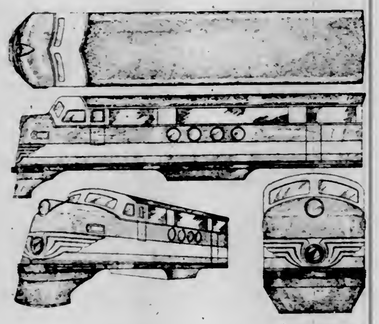
The ornamental design for a locomotive body, substantially as shown and described.

142,101
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,114
Term of patent 14 years
(Cl. D66—1)



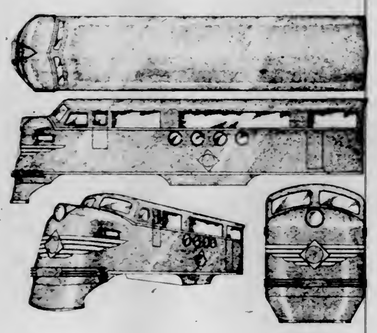
The ornamental design for a locomotive body, substantially as shown and described.

142,102
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,115
Term of patent 14 years
(Cl. D66—1)



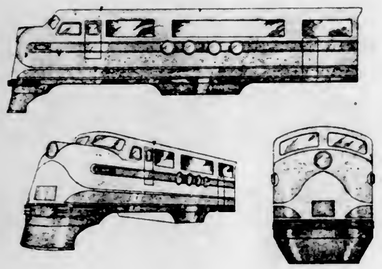
The ornamental design for a locomotive body, substantially as shown and described.

142,103
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,116
Term of patent 14 years
(Cl. D66—1)



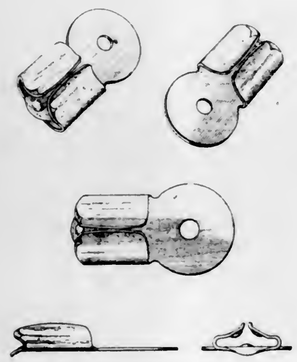
The ornamental design for a locomotive body, substantially as shown and described.

142,104
DESIGN FOR A LOCOMOTIVE BODY
John Markestein, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1945, Serial No. 120,117
Term of patent 14 years
(Cl. D66—1)



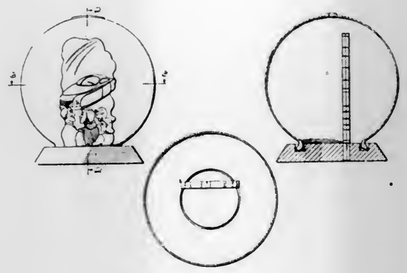
The ornamental design for a locomotive body substantially as shown and described.

142,105
DESIGN FOR A TERMINAL SOCKET
Paul Meminger, Los Angeles, Calif.
Application April 23, 1945, Serial No. 119,155
Term of patent 14 years
(Cl. D26—1)



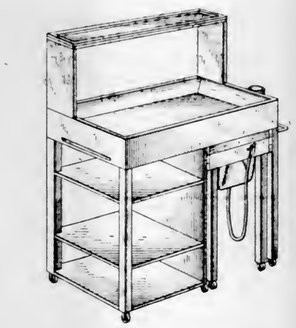
The ornamental design for a terminal socket, substantially as shown.

142,106
DESIGN FOR A COIN BANK
Ralph Victor Moran, Bradford, Pa.
Application April 27, 1945, Serial No. 119,275
Term of patent 14 years
(Cl. D34—11)



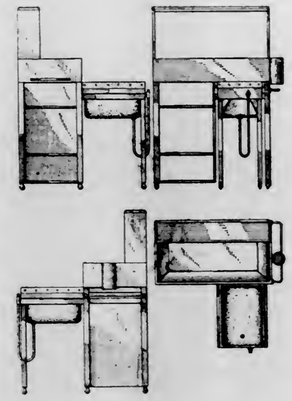
The ornamental design for a coin bank, as shown.

142,107
DESIGN FOR A COMBINATION BABY BATH AND DRESSING STAND
Katherine H. Morrey, Chicago, Ill.
Application April 3, 1944, Serial No. 113,129
Term of patent 14 years
(Cl. D33—14)



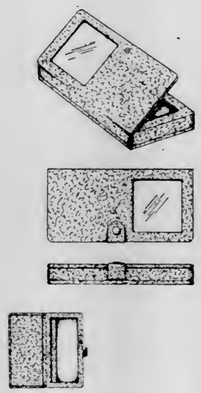


142,107—Continued



The ornamental design for a combination baby bath and dressing stand, substantially as shown and described.

142,108
DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE
Harry Morris, Chicago, Ill.
Application October 30, 1944, Serial No. 116,041
Term of patent 7 years
(Cl. D85—2)



The ornamental design for a cigarette case or similar article, substantially as shown.

142,109
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application May 12, 1945, Serial No. 119,509
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,110
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application May 12, 1945, Serial No. 119,510
Term of patent 3½ years
(Cl. D45—19)



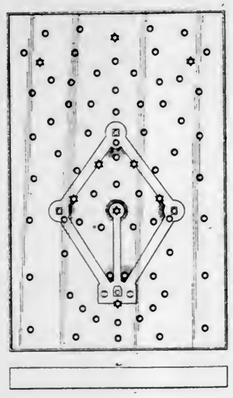
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,111
DESIGN FOR A NECKLACE
Francois Nazare, New York, N. Y.
Application April 30, 1945, Serial No. 119,316
Term of patent 7 years
(Cl. D45—16)



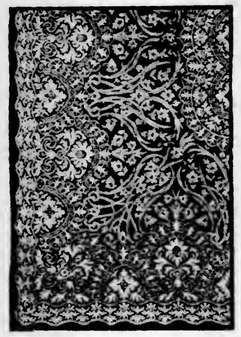
The ornamental design for a necklace, substantially as shown.

142,112
DESIGN FOR A GAME BOARD
Stephen G. O'Leary, Detroit, Mich.
Application January 25, 1945, Serial No. 117,589
Term of patent 14 years
(Cl. D34—5)



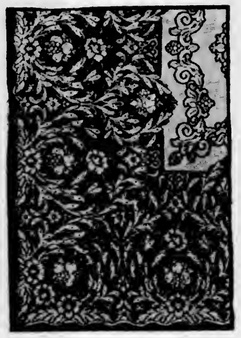
The ornamental design for a game board, as shown.

142,113
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,318
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

142,114
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,319
Term of patent 14 years
(Cl. D92—26)



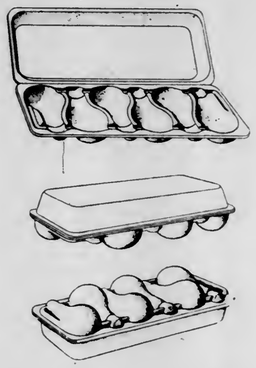
The ornamental design for a lace tablecloth, substantially as shown and described.

142,115
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,320
Term of patent 7 years
(Cl. D92—26)



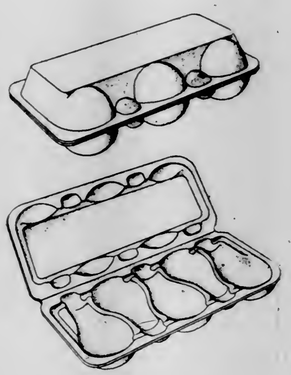
The ornamental design for a lace tablecloth, substantially as shown and described.

142,116
DESIGN FOR A PACK FOR FRAGILE ARTICLES
Wallace E. Parsons and Walter H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee, a national banking association
Application April 16, 1945, Serial No. 119,018
Term of patent 14 years
(Cl. D58—13)



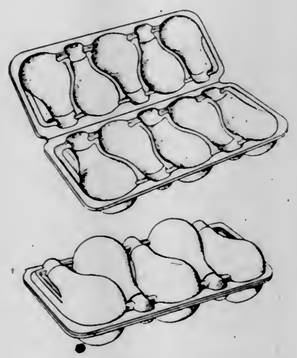
The ornamental design for a pack for fragile articles, as shown.

142,117
DESIGN FOR A PACK FOR FRAGILE ARTICLES
Wallace E. Parsons and Walter H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee, a national banking association
Application April 23, 1945, Serial No. 119,146
Term of patent 14 years
(Cl. D58—13)



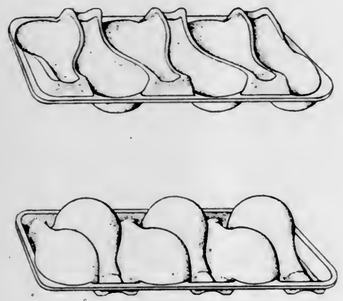
The ornamental design for a pack for fragile articles, as shown.

142,118
DESIGN FOR A PACK FOR FRAGILE ARTICLES
Wallace E. Parsons and Walter H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee, a national banking association
Application May 2, 1945, Serial No. 119,345
Term of patent 14 years
(Cl. D58—13)



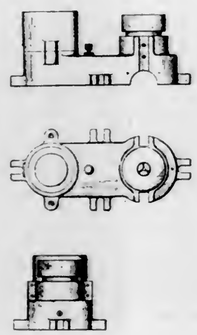
The ornamental design for a pack for fragile articles, as shown.

142,119
DESIGN FOR A PACK FOR FRAGILE ARTICLES
Wallace E. Parsons and Walter H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee, a national banking association
Application May 2, 1945, Serial No. 119,346
Term of patent 14 years
(Cl. D58—13)



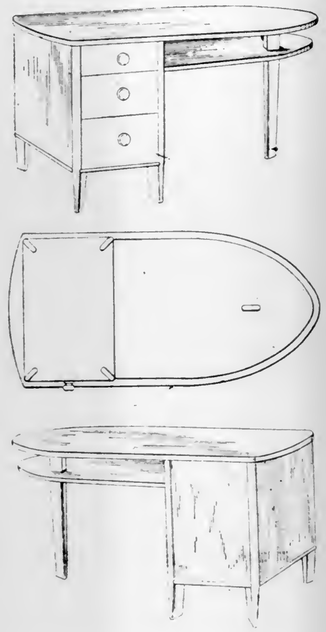
The ornamental design for a pack for fragile articles, as shown.

142,120
DESIGN FOR A FLUID PRESSURE OPERATED CHUCK
Edwin A. F. Redmer, Chicago, Ill.
Application April 28, 1945, Serial No. 119,285
Term of patent 14 years
(Cl. D54—14)



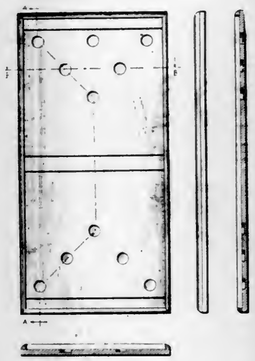
The ornamental design for a fluid pressure operated chuck, substantially as shown.

142,121
DESIGN FOR A DESK
Chester H. Ristenpart, San Francisco, Calif.
Application November 18, 1944, Serial No. 116,428
Term of patent 14 years
(Cl. D33—7)



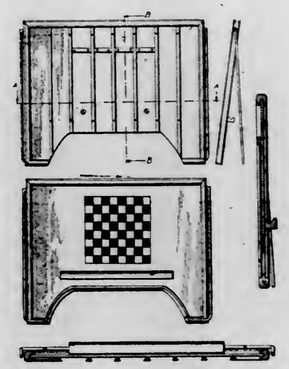
The ornamental design for a desk, as shown.

142,122
DESIGN FOR A GAME BOARD
James Glenn Rolley, New York, N. Y.
Application October 28, 1944, Serial No. 116,017
Term of patent 14 years
(Cl. D34—5)



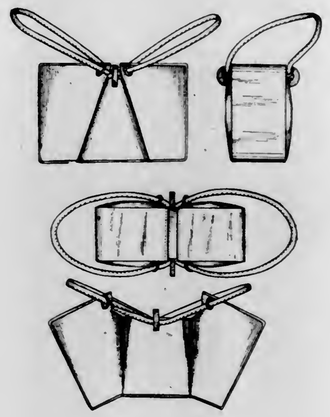
The ornamental design for a game board, as shown.

142,123
DESIGN FOR A COMBINED GAME BOARD AND PERIODICAL SUPPORT
James Glenn Rolley, New York, N. Y.
Application October 28, 1944, Serial No. 116,018
Term of patent 14 years
(Cl. D33—10)



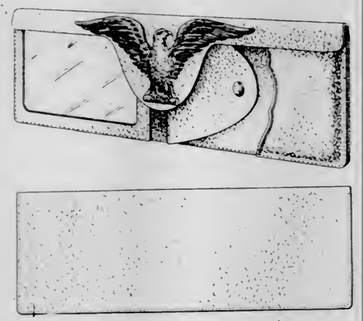
The ornamental design for a combined game board and periodical support, as shown.

142,124
DESIGN FOR A HANDBAG
Eli Rosenberg, New York, N. Y.
Application May 26, 1945, Serial No. 119,741
Term of patent 3½ years
(Cl. D87—3)



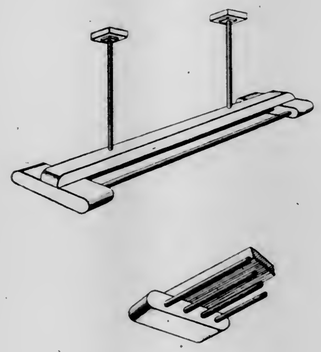
The ornamental design for a handbag, substantially as shown and described.

142,125
DESIGN FOR A WALLET
Paul Rossi, Warren, Ohio
Application April 23, 1945, Serial No. 119,143
Term of patent 14 years
(Cl. D87—3)



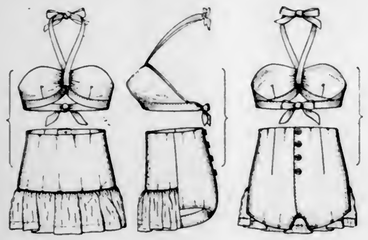
The ornamental design for a wallet, as shown.

142,126
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
John C. Sabatini, West Englewood, N. J., assignor to Colonial Neon Company, Inc., North Bergen, N. J., a corporation of New Jersey
Application March 27, 1945, Serial No. 118,728
Term of patent 14 years
(Cl. D48—23)



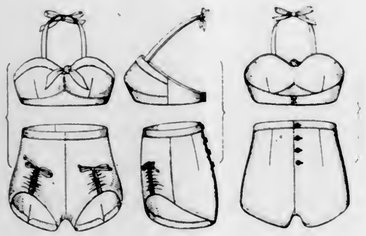
The ornamental design for a fluorescent lighting fixture, as shown.

142,127
DESIGN FOR A BATHING SUIT
Mabel Sheldrick, New York, N. Y., assignor to Lee Knitwear Corp., New York, N. Y., a corporation of New York
Application May 15, 1945, Serial No. 119,556
Term of patent 7 years
(Cl. D3—17)



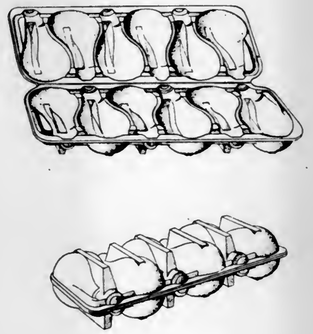
The ornamental design for a bathing suit, as shown.

142,128
DESIGN FOR A BATHING SUIT
Mabel Sheldrick, New York, N. Y., assignor to Lee Knitwear Corp., New York, N. Y., a corporation of New York
Application June 9, 1945, Serial No. 119,995
Term of patent 7 years
(Cl. D3—17)



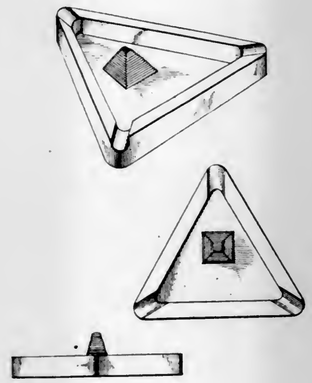
The ornamental design for a bathing suit, as shown.

142,129
DESIGN FOR A PACK FOR FRAGILE ARTICLES
Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, trustee, a national banking association
Application April 16, 1945, Serial No. 119,019
Term of patent 14 years
(Cl. D58—13)



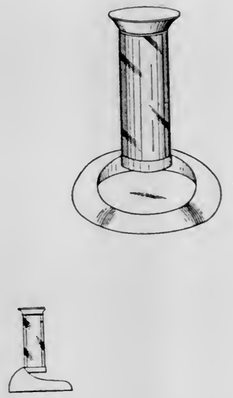
The ornamental design for a pack for fragile articles, as shown.

142,130
DESIGN FOR AN EXTINGUISHER ASH TRAY
Peter J. Swofford, Fort Worth, Tex.
Application August 9, 1943, Serial No. 110,869
Term of patent 3½ years
(Cl. D85—2)



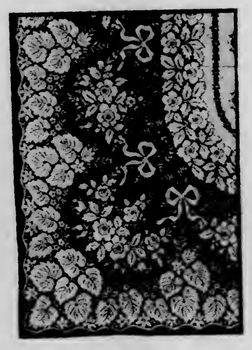
The ornamental design for an extinguisher ash tray, as shown.

142,131
DESIGN FOR A COUNTER DISPLAY STAND FOR PACKAGED COMMODITIES
Robert B. Wemyss, Louisville, Ky.
Application October 27, 1944, Serial No. 116,005
Term of patent 7 years
(Cl. D80—9)



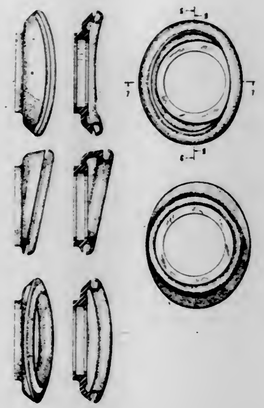
The ornamental design for a counter display stand for packaged commodities, substantially as shown.

142,132
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application June 23, 1945, Serial No. 120,324
Term of patent 14 years
(Cl. D92—26)



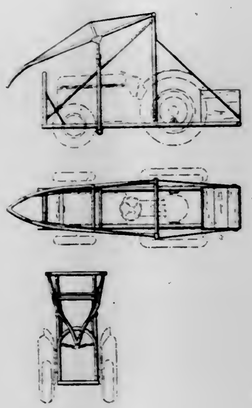
The ornamental design for a lace tablecloth, substantially as shown and described.

142,133
DESIGN FOR A RECEIVER EARPIECE
Albert E. Woodruff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 29, 1944, Serial No. 116,598
Term of patent 14 years
(Cl. D26—14)



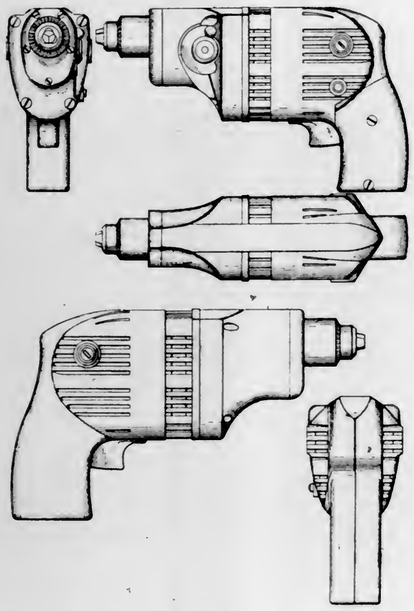
The ornamental design for a receiver earpiece, substantially as shown.

142,134
DESIGN FOR A TRACTOR CARRIED CRANE
Curtis C. Baldwin, Ottawa, Kans., assignor to C. Earl Hovey, Kansas City, Mo., trustee
Application April 9, 1945, Serial No. 118,927
Term of patent 14 years
(Cl. D14—3)



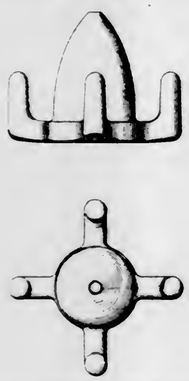
The ornamental design for a tractor carried crane, as shown and described.

142,135
DESIGN FOR A POWER TOOL UNIT
Theodore S. Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application November 20, 1944, Serial No. 116,597
Term of patent 7 years
(Cl. D54—14)



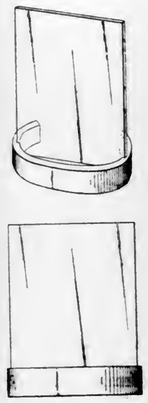
The ornamental design for a power tool unit, as shown.

142,136
DESIGN FOR A CLOTHES POLE HEAD
Allan Cheney, Princeton, N. J., assignor to Cheney Metal Products Company, Trenton, N. J., a copartnership composed of Allan Cheney, Gilbert A. Cheney, and Dorothy Cheney Southard
Application May 21, 1945, Serial No. 119,641
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a clothes pole head, as shown.

142,137
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Judson Craig Eubank, New York, N. Y.
Application December 4, 1944, Serial No. 116,697
Term of patent 3½ years
(Cl. D29—20)



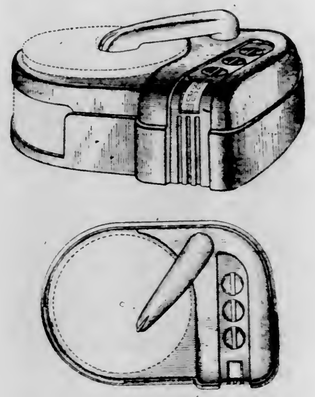
The ornamental design for a picture frame or similar article, substantially as shown.

142,138
DESIGN FOR A FINGERNAIL LACQUER POLISHING BRUSH
John Freeman, Montreal, Quebec, and Bjarni Eggertson, Verdun, Quebec, Canada
Application October 18, 1944, Serial No. 115,840
In Canada April 26, 1944
Term of patent 14 years
(Cl. D86—10)



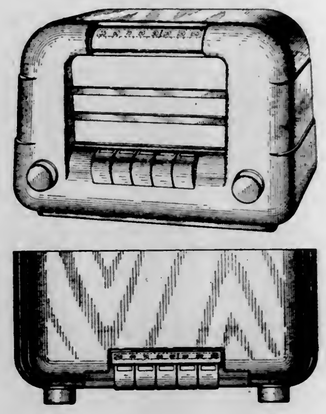
The ornamental design for a fingernail lacquer polishing brush, as shown.

142,139
DESIGN FOR A COMBINATION RADIO-PHONOGRAPH CABINET
Clifford E. Grube, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application June 14, 1945, Serial No. 120,084
Term of patent 7 years
(Cl. D56—4)



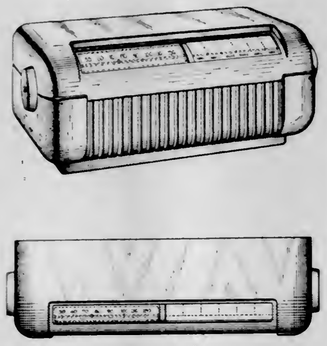
The ornamental design for a combination radio-phonograph cabinet, substantially as shown and described.

142,140
DESIGN FOR A RADIO RECEIVER CABINET
Clifford E. Grube, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application June 14, 1945, Serial No. 120,085
Term of patent 7 years
(Cl. D56—4)



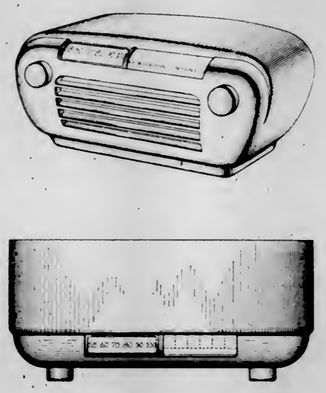
The ornamental design for a radio receiver cabinet, substantially as shown and described.

142,141
DESIGN FOR A RADIO RECEIVER CABINET
Clifford E. Grube, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application June 14, 1945, Serial No. 120,086
Term of patent 7 years
(Cl. D56—4)



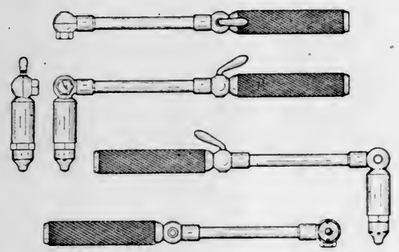
The ornamental design for a radio receiver cabinet, substantially as shown and described.

142,142
DESIGN FOR A RADIO RECEIVER CABINET
Clifford E. Grube, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application June 14, 1945, Serial No. 120,087
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a radio receiver cabinet, substantially as shown and described.

142,143
DESIGN FOR A PNEUMATIC HAMMER
Philip E. Hoop, Jr., Shelbyville, Ind., assignor to Kerkling & Company, Bloomington, Ind., a partnership
Application November 8, 1944, Serial No. 116,222
Term of patent 14 years
(Cl. D54—14)



The ornamental design for a pneumatic hammer, substantially as shown.

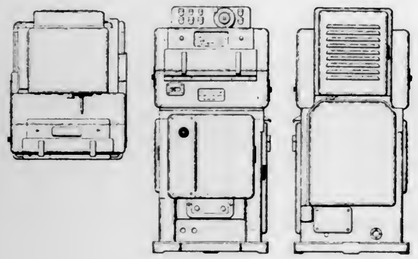
142,144
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Henry J. Jung, Milwaukee, Wis.
Application February 5, 1945, Serial No. 117,769
Term of patent 7 years
(Cl. D45—9)



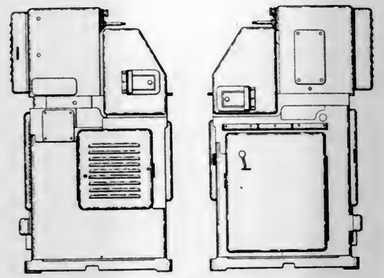


The ornamental design for an earring or similar article, substantially as shown and described.

142,145
DESIGN FOR A GEAR FINISHING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application April 13, 1944, Serial No. 113,241
Term of patent 14 years
(Cl. D54—14)

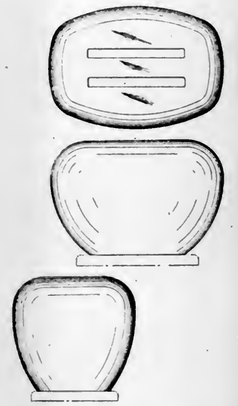


142,145—Continued



The ornamental design for a gear finishing machine, as shown and described.

142,146
DESIGN FOR A BREAD TOASTER CASING
Joseph Pavelka, St. Louis, Mo.
Application May 3, 1945, Serial No. 119,381
Term of patent 14 years
(Cl. D81—10)



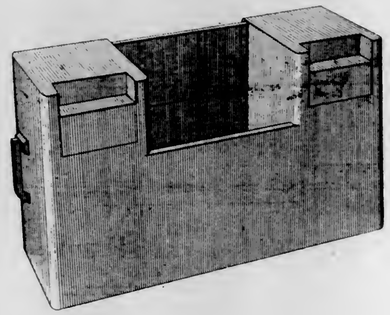
The ornamental design for a bread toaster casing, substantially as shown and described.

142,147
DESIGN FOR A BRACELET LINK
Carl Schraysshuen, Providence, R. I.
Application April 16, 1945, Serial No. 119,041
Term of patent 14 years
(Cl. D45—1)



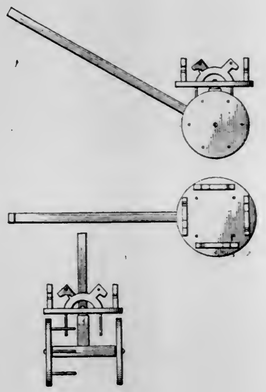
The ornamental design for a bracelet link, substantially as shown.

142,148
DESIGN FOR A HEAT TREATING APPARATUS FOR HARDENING METAL PIECES
Thomas A. Waltz, Cincinnati, Ohio
Application November 14, 1944, Serial No. 116,328
Term of patent 7 years
(Cl. D49—1)



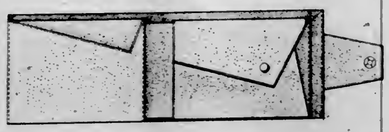
The ornamental design for a heat treating apparatus for hardening metal pieces, substantially as shown and described.

142,149
DESIGN FOR A TOY
Peter V. Chicone and Patrick Ciccone, St. Paul, Minn.
Application October 23, 1944, Serial No. 115,928
Term of patent 3½ years
(Cl. D34—15)



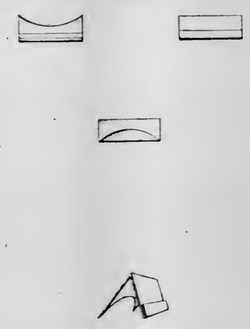
The ornamental design for a toy, as shown.

142,150
DESIGN FOR A COMBINED FLEXIBLE BILLFOLD AND CHANGE PURSE
Ruth Gerth, New York, N. Y., assignor to King Leathers Incorporated, Indiana, Pa., a corporation of Pennsylvania
Application March 3, 1945, Serial No. 118,251
Term of patent 14 years
(Cl. D87—3)



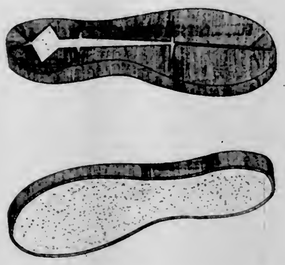
The ornamental design for a combined flexible billfold and change purse, substantially as shown and described.

142,151
DESIGN FOR A CARD HOLDER
Jerome E. Gillett, Superior, Wis.
Application May 28, 1945, Serial No. 119,773
Term of patent 7 years
(Cl. D74—1)



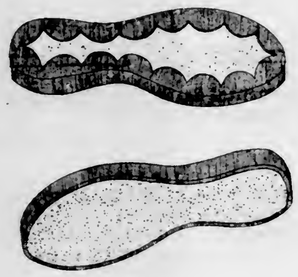
The ornamental design for a card holder, substantially as shown.

142,152
DESIGN FOR AN INSOLE FOR A SHOE
Basil Darrell Huff, New York, N. Y., assignor to Knight Slipper Mfg. Corp., Brooklyn, N. Y.
Application May 29, 1945, Serial No. 119,800
Term of patent 7 years
(Cl. D7—5)



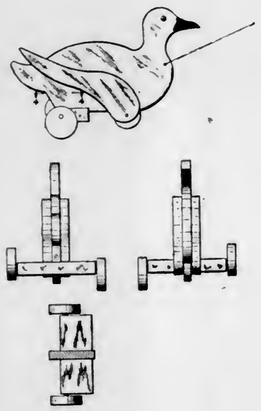
The ornamental design for an insole for a shoe, substantially as shown.

142,153
DESIGN FOR AN INSOLE FOR A SHOE
Basil Darrell Huff, New York, N. Y., assignor to Knight Slipper Mfg. Corp., Brooklyn, N. Y.
Application May 29, 1945, Serial No. 119,801
Term of patent 7 years
(Cl. D7—5)



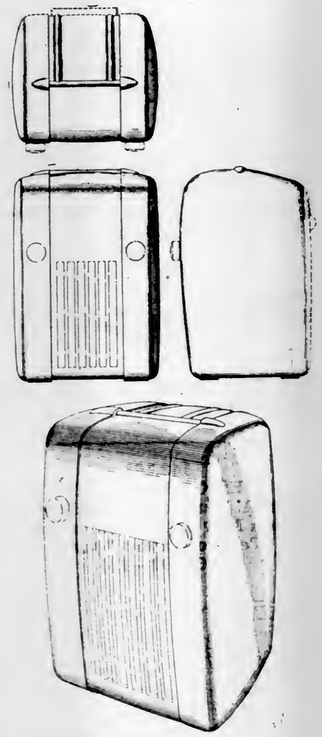
The ornamental design for an insole for a shoe, substantially as shown.

142,154
DESIGN FOR A PULL TOY
Charles I. Huth, Woodside, N. Y.
Application April 13, 1945, Serial No. 118,975
Term of patent 3½ years
(Cl. D34—15)



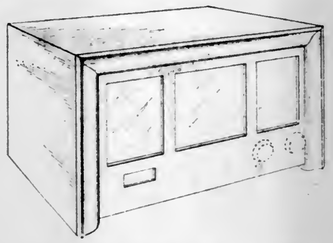
The ornamental design for a pull toy, substantially as shown.

142,155
DESIGN FOR A RADIO CABINET
Clyde A. Peterson, Chicago, Ill., assignor to Wells-Gardner & Co., Chicago, Ill., a corporation of Illinois
Application October 20, 1944, Serial No. 115,889
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

142,156
DESIGN FOR A RADIO RECEIVER CABINET
Horace Terrell, New York, N. Y., assignor to Espey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1944, Serial No. 116,878
Term of patent 3½ years
(Cl. D56—4)



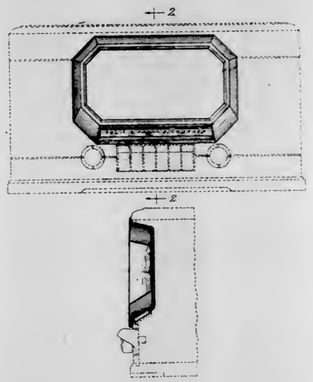
The ornamental design for a radio receiver cabinet, as shown and described.

142,157
DESIGN FOR AN INFANT'S BOOT
Berce L. Veach, St. Louis, Mo.
Application June 4, 1945, Serial No. 119,895
Term of patent 3½ years
(Cl. D7—7)



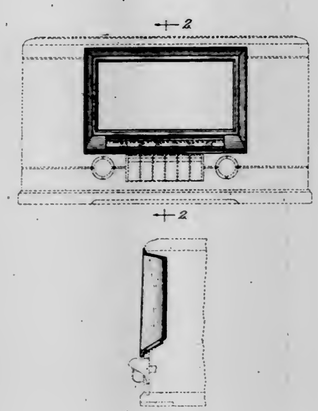
The ornamental design for an infant's boot, substantially as shown.

142,158
DESIGN FOR A RECESSED SPEAKER GRILLE FRAME FOR A RADIO CABINET
Louis J. Wronke, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1944, Serial No. 114,288
Term of patent 3½ years
(Cl. D26—1)



The ornamental design for a recessed speaker grille frame for a radio cabinet, substantially as shown and described.

142,159
DESIGN FOR A RECESSED SPEAKER GRILLE FRAME FOR A RADIO CABINET
Louis J. Wronke, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1944, Serial No. 114,289
Term of patent 3½ years
(Cl. D26—1)



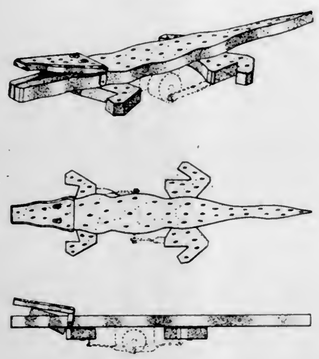
The ornamental design for a recessed speaker grille frame for a radio cabinet, substantially as shown and described.

142,160
DESIGN FOR A FISH LURE
William Edward Baldwin, Des Moines, Iowa
Application May 5, 1945, Serial No. 119,405
Term of patent 14 years
(Cl. D31—4)



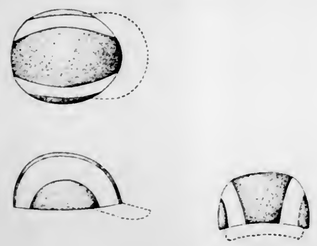
The ornamental design for a fish lure, substantially as shown and described.

142,161
DESIGN FOR A TOY
Walter R. Braund, Birmingham, Mich., assignor to Bra-Wil-Kee, Inc., Detroit, Mich., a corporation of Michigan
Application November 9, 1944, Serial No. 116,244
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy, substantially as shown and described.

142,162
DESIGN FOR A CAP
Milton A. Dannenberg, Chicago, Ill.
Application May 5, 1944, Serial No. 113,491
Term of patent 7 years
(Cl. D3—13)



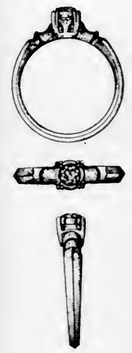
The ornamental design for a cap, substantially as shown and described.

142,163
DESIGN FOR A GRIP FOR SANITARY BELT
Irvin S. De Woskin, University City, Mo., assignor to Beltx Corporation, St. Louis, Mo., a corporation of Missouri
Application June 4, 1945, Serial No. 119,889
Term of patent 14 years
(Cl. D17—9)



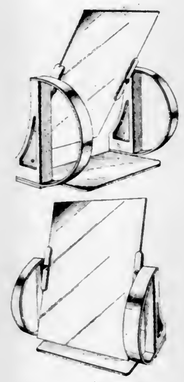
The ornamental design for a grip for sanitary belt, as shown.

142,164
DESIGN FOR A FINGER RING
Barnett Esh, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash., a corporation of Delaware
Application April 16, 1945, Serial No. 119,016
Term of patent 14 years
(Cl. D45—10)



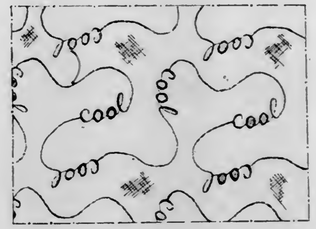
The ornamental design for a finger ring, as shown.

142,165
DESIGN FOR A MIRROR AND SUPPORT THEREFOR
Harry J. Feist, Fremont, Ohio, assignor to Consolite Corporation, Fremont, Ohio, a corporation of Ohio
Application February 26, 1945, Serial No. 118,214
Term of patent 7 years
(Cl. D33—9)



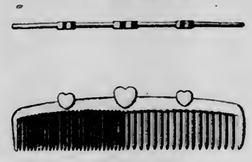
The ornamental design for a mirror and support therefor, as shown.

142,166
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Otto Frei, New York, N. Y., assignor to Sport-Craft Company, New York, N. Y.
Application June 28, 1945, Serial No. 120,379
Term of patent 3½ years
(Cl. D92—1)



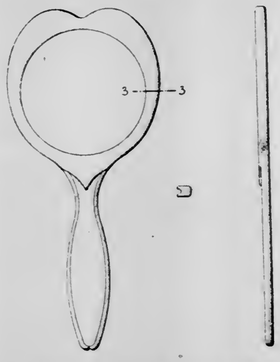
The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

142,167
DESIGN FOR A COMB
Theodore Friedman, New York, N. Y.
Application April 20, 1945, Serial No. 119,111
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb, substantially as shown and described.

142,168
DESIGN FOR A FRAME FOR A HAND MIRROR OR MAGNIFYING GLASS
Theodore Friedman, New York, N. Y.
Application April 20, 1945, Serial No. 119,112
Term of patent 7 years
(Cl. D86—10)



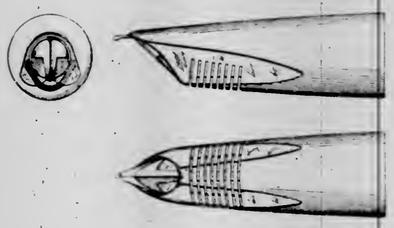
The ornamental design for a frame for a hand mirror or magnifying glass, substantially as shown and described.

142,169
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Selma Levy Hermanos, New York, N. Y.
Application May 30, 1945, Serial No. 119,812
Term of patent 3½ years
(Cl. D3—12)



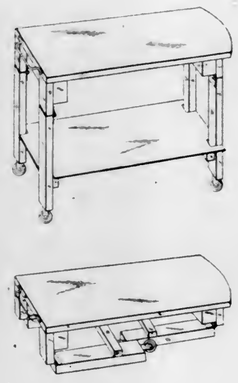
The ornamental design for a scarf or similar article, substantially as shown.

142,170
DESIGN FOR A NIB SECTION FOR A FOUNTAIN PEN
David Juelss, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application May 10, 1945, Serial No. 119,482
Term of patent 14 years
(Cl. D74—17)



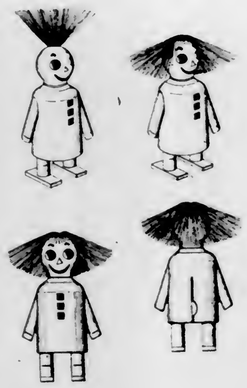
The ornamental design for a nib section for a fountain pen, as shown.

142,171
DESIGN FOR A FOLDABLE SERVING TABLE
Leo Lion, New York, N. Y.
Application July 15, 1944, Serial No. 114,409
Term of patent 14 years
(Cl. D33—14)



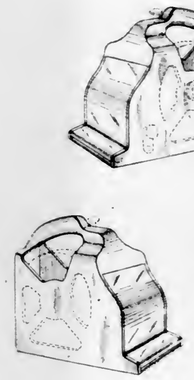
The ornamental design for a foldable serving table, as shown.

142,172
DESIGN FOR A MECHANICAL DOLL
Lucretia Q. MacCallum, Beverly Hills, Calif.
Application April 3, 1945, Serial No. 118,842
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a mechanical doll, substantially as shown and described.

142,173
DESIGN FOR A PORTABLE TAPE MOISTENING DEVICE OR THE LIKE
Walton C. Marsh, Belleville, Ill., assignor to Marsh Stencil Machine Company, Belleville, Ill., a corporation of Illinois
Application January 5, 1945, Serial No. 117,272
Term of patent 14 years
(Cl. D74—10)



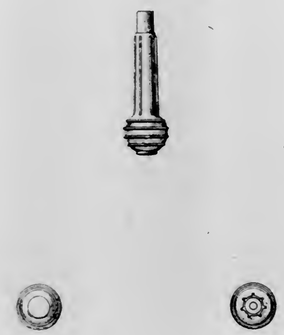
The ornamental design for a portable tape moistening device or the like, substantially as shown and described.

142,174
DESIGN FOR A GARDEN CULTIVATOR
Herbert Pearce, Meadville, Pa.
Application April 17, 1945, Serial No. 119,058
Term of patent 14 years
(Cl. D35—2)



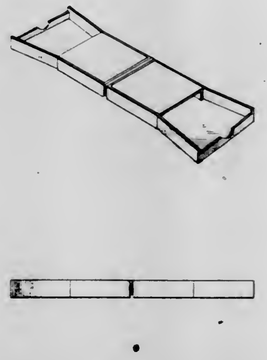
The ornamental design for a garden cultivator, as shown and described.

142,175
DESIGN FOR A SAFETY RAZOR HANDLE
Carl V. Shipley, Chicago, Ill.
Application May 4, 1945, Serial No. 119,397
Term of patent 14 years
(Cl. D22—3)



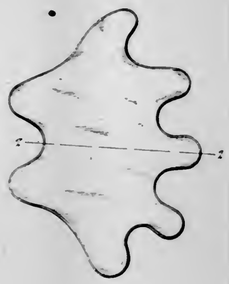
The ornamental design for a safety razor handle, substantially as shown.

142,176
DESIGN FOR A PLAYING CARD HOLDER OR SIMILAR ARTICLE
Luis Tacón and Armand L. Cueva, New York, N. Y.
Application May 15, 1944, Serial No. 113,588
Term of patent 14 years
(Cl. D34—13)



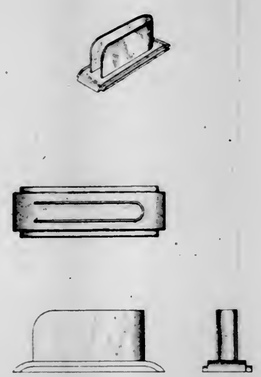
The ornamental design for a playing card holder or similar article, as shown.

142,177
DESIGN FOR A MANICURE APPLIANCE
Freeman R. Walsh, Waltham, Mass.
Application May 18, 1945, Serial No. 119,610
Term of patent 14 years
(Cl. D86—10)



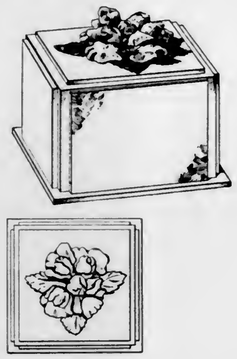
The ornamental design for a manicure appliance, as shown.

142,178
DESIGN FOR A CIGARETTE HOLDER
Ann Becwar, Berwyn, Ill.
Application May 2, 1945, Serial No. 119,361
Term of patent 14 years
(Cl. D85—2)



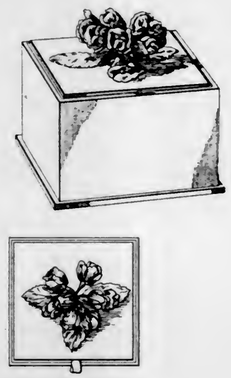
The ornamental design for a cigarette holder, substantially as shown.

142,179
DESIGN FOR A BOX
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Serial No. 112,451
Term of patent 7 years
(Cl. D58—12)



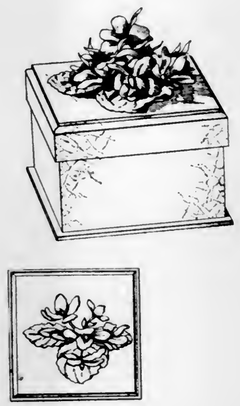
The ornamental design for a box, as shown and described.

142,180
DESIGN FOR A BOX
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Scrial No. 112,452
Term of patent 14 years
(Cl. D58—12)



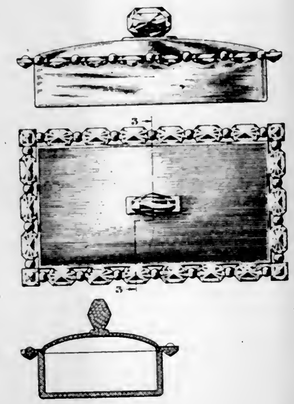
The ornamental design for a box, as shown.

142,181
DESIGN FOR A BOX
Eugene Coleman, North Hollywood, Calif.
Application February 5, 1944, Serial No. 112,453
Term of patent 7 years
(Cl. D58—12)



The ornamental design for a box, as shown.

142,182
DESIGN FOR A CIGARETTE BOX OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application May 17, 1945, Serial No. 119,596
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a cigarette box or article of similar nature, substantially as shown.

142,183
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 119,477
Term of patent 7 years
(Cl. D45—19)



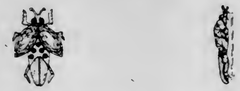
The ornamental design for a brooch or similar article, substantially as shown.

142,184
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 119,478
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,185
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 119,479
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,186
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 119,480
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,187
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 119,573
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,188
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 119,575
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,189
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 119,597
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,190
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 119,599
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

142,191
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 119,576
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a clip or similar article, substantially as shown.

142,192
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 119,577
Term of patent 7 years
(Cl. D45—19)



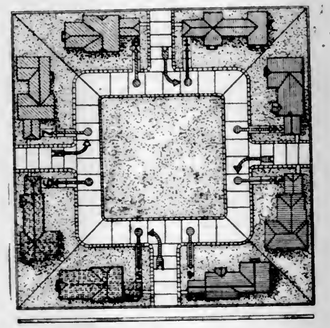
The ornamental design for a clip or similar article, substantially as shown.

142,193
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 119,601
Term of patent 7 years
(Cl. D45—9)



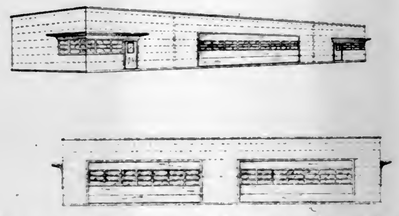
The ornamental design for an earring or similar article, substantially as shown.

142,194
DESIGN FOR A GAME BOARD
Harry C. Perrin, Grass Valley, Calif.
Application April 26, 1945, Serial No. 119,237
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

142,195
DESIGN FOR A PREFORMED AIRPLANE HANGAR OR THE LIKE
John C. Radcliffe, Jr., Kirkwood, Mo.
Application March 1, 1945, Serial No. 118,193
Term of patent 14 years
(Cl. D13—1)



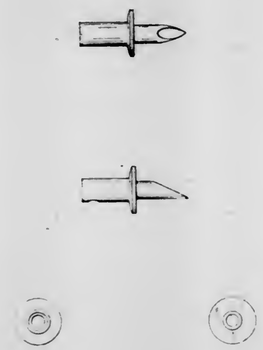
The ornamental design for a preformed airplane hangar or the like, substantially as shown and described.

142,196
DESIGN FOR A MILK CARTON STOPPER
Earl E. Swanson, San Francisco, and Rene Goudy, San Mateo, Calif.
Application February 26, 1945, Serial No. 118,153
Term of patent 14 years
(Cl. D58—10)



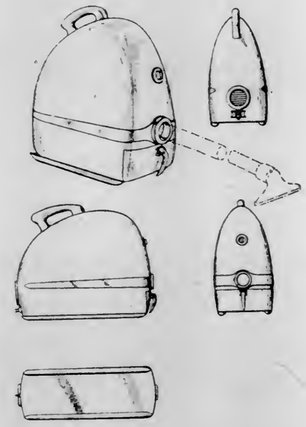
The ornamental design for a milk carton stopper, as shown.

142,197
DESIGN FOR A MILK CARTON TAP
Earl E. Swanson, San Francisco, and Rene Goudy, San Mateo, Calif.
Application February 26, 1945, Serial No. 118,154
Term of patent 14 years
(Cl. D58—10)



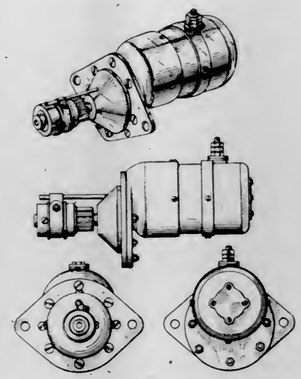
The ornamental design for a milk carton tap, as shown.

142,198
DESIGN FOR A VACUUM CLEANER
Otto W. Timm, Van Nuys, Calif., assignor to Timm Aircraft Corporation, Van Nuys, Calif., a corporation of California
Application March 17, 1945, Serial No. 118,538
Term of patent 14 years
(Cl. D9—21)



The ornamental design for a vacuum cleaner, as shown and described.

142,199
DESIGN FOR A STARTER
Vera C. Hodges, Los Angeles, Calif.
Application February 6, 1945, Serial No. 117,783
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a starter, substantially as shown.

142,200
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 119,600
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a clip or similar article, substantially as shown.

142,201
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 18, 1945, Serial No. 119,603
Term of patent 7 years
(Cl. D45—19)



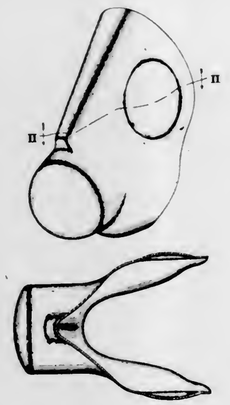
The ornamental design for a brooch or similar article, substantially as shown.

142,202
DESIGN FOR A SEAL CUTTER FOR BOTTLES, OR SIMILAR ARTICLE
William C. Lanyon, Waukegan, Ill.
Application April 23, 1945, Serial No. 119,138
Term of patent 3½ years
(Cl. D22—3)



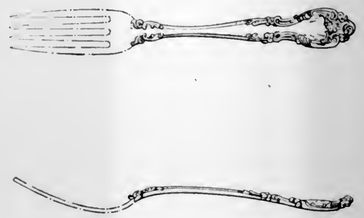
The ornamental design for a seal cutter for bottles, or similar article, as shown.

142,203
DESIGN FOR A FACEPIECE FOR GAS MASKS OR RESPIRATORS
William H. Lehmberg, Newton Center, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application March 18, 1942, Serial No. 106,230
Term of patent 14 years
(Cl. D83—1)



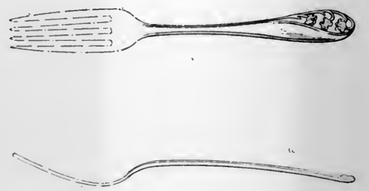
The ornamental design for a facepiece for gas masks or respirators, substantially as shown.

142,204
DESIGN FOR A FORK OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application June 7, 1944, Serial No. 113,899
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a fork or other article of flatware, substantially as shown and described.

142,205
DESIGN FOR A FORK OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application June 7, 1944, Serial No. 113,900
Term of patent 14 years
(Cl. D54—12)



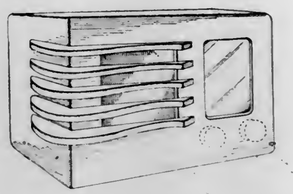
The ornamental design for a fork or other article of flatware, substantially as shown and described.

142,206
DESIGN FOR A FORK OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application June 7, 1944, Serial No. 113,901
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a fork or other article of flatware, substantially as shown and described.

142,207
DESIGN FOR A RADIO RECEIVER CABINET
Horace Terrell, New York, N. Y., assignor to Espey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1944, Serial No. 116,880
Term of patent 3½ years
(Cl. D56—4)



The ornamental design for a radio receiver cabinet, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aisenstein; Louis, & Bros., New York, N. Y. Watches and watch movements. Serial No. 483,360; Aug. 14. Class 27.

Aisenstein, Louis, & Bros., New York, N. Y. Glass cigarette boxes and glass ash trays. Serial No. 483,804; Aug. 14. Class 8.

Aisenstein, Louis, & Bros., New York, N. Y. Glass candlesticks. Serial No. 483,806; Aug. 14. Class 34.

American Optical Company, Southbridge, Mass. Protection glasses. Serial No. 470,365; Aug. 14. Glass 26.

American Stores Co., Philadelphia, Pa. Vitamin capsules. Serial No. 482,779; Aug. 14. Class 6.

American Television & Radio Company, St. Paul, Minn. Electronic, electrical, and mechanical apparatus. Serial No. 481,508; Aug. 14. Class 21.

American Type Founders Sales Corporation, Elizabeth, N. J. Lithographic cameras, portable cameras, and precision cameras. Serial No. 483,564; Aug. 14. Class 26.

Artfield Creations: *See*—
Blake, Irene, Cosmetics, Inc.

Astlett, H. A., & Co., New York, N. Y. Insecticides. Serial No. 469,104; Aug. 14. Class 6.

Beacon Steel Products Co., Westminster, Md. Metal brooders, portable metal chick fountains, etc. Serial No. 482,456; Aug. 14. Class 50.

Blake, Irene, Cosmetics, Inc., also doing business as Artfield Creations, New York, N. Y. Brushless shave cream and shaving soap. Serial No. 470,751; Aug. 14. Class 4.

Blake, Irene, Cosmetics, Inc., also doing business as Irene Blake, New York, N. Y. Perfume, cologne and dusting powder. Serial No. 482,132; Aug. 14. Class 6.

Blake, Irene: *See*—
Blake, Irene, Cosmetics, Inc.

Blutrich, Solomon, doing business as M. T. Laboratories, New York, N. Y. Fuel pumps and parts thereof. Serial No. 481,660; Aug. 14. Class 23.

Caban, Alex, & Co., New York, N. Y. Cigars. Serial No. 483,565; Aug. 14. Class 17.

Carroll Hosiery Corp., New York, N. Y. Underwear. Serial No. 474,023; Aug. 14. Class 39.

Certain-teed Products Corporation, Chicago, Ill. Dental plaster of Paris. Serial No. 472,445; Aug. 14. Class 44.

Christy, Carl, Crockett, Tex. Ear bobs and gold wire jewelry. Serial No. 483,606; Aug. 14. Class 28.

Citrus Foods Co., Inc., Los Angeles, Calif. Fresh frozen orange juice for food purposes. Serial No. 482,833; Aug. 14. Class 46.

Coloso Limited, Ridgefield, N. J. Table glassware and cooking glassware. Serial No. 483,213; Aug. 14. Class 33.

Compania Agricola Indarra, S. A., Cardenas, Cuba. Rum. Serial No. 471,944; Aug 14. Class 49.

Consolidated Industries, Inc., La Fayette, Ind. Stokers. Serial No. 484,195; Aug. 14. Class 34.

Contesso, Mario, doing business as Contesso Products, New York, N. Y. Biological calcium. Serial No. 473,772; Aug. 14. Class 6.

Contesso Products: *See*—
Contesso, Mario.

Corning Glass Works, Corning, N. Y. Laboratory glassware. Serial No. 474,478; Aug. 14. Class 26.

Contess, Maritza Cosmetic Co., Inc., New York, N. Y. Perfume, eau de colognes, toilet waters, etc. Serial No. 482,195; Aug. 14. Class 6.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dress and jacket ensembles, etc. Serial No. 482,981; Aug. 14. Class 39.

Dell Products Corporation, Newark, N. Y. Fruit-flavored, non-alcoholic sirups, concentrates and extracts for beverage-mixing purposes. Serial No. 478,503; Aug. 14. Class 45.

Diamond, Harry, New York, N. Y. Shoulder straps for undergarments. Serial No. 479,280; Aug. 14. Class 40.

Duncan Mackenzie Company: *See*—
Mackenzie, Duncan R.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. Serial Nos. 483,365–7; Aug. 14. Class 37.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. Serial No. 483,763; Aug. 14. Class 37.

Ergo Knitting Mills, Los Angeles, Calif. Knitted wearing apparel. Serial No. 482,738; Aug. 14. Class 39.

Escalon Packers, Inc., Escalon, Calif. Tomato paste. Serial No. 476,960; Aug. 14. Class 46.

Exeter Orchards Association, Exeter, Calif. Fresh citrus fruits. Serial No. 479,116; Aug. 14. Class 46.

Fairfield Laboratories, Inc., Plainfield, N. J. Antiseptic and deodorant preparation in powder form. Serial No. 472,974; Aug. 14. Class 6.

Felker Manufacturing Co.: *See*—
Felker, Max N.

Felker, Max N., doing business as Felker Manufacturing Co., Torrance, Calif. Abrasive wheels and hand hones. Serial No. 478,862; Aug. 14. Class 4.

Fidelity Chemical Products Corp., Newark, N. J. Preparations for removing paints, lacquers, enamels, etc. Serial No. 481,472; Aug. 14. Class 16.

Forrest Incorporated, New York, N. Y. Rectal suppository. Serial No. 482,926; Aug. 14. Class 6.

General Machinery Corporation, Hamilton, Ohio. Hydraulic forging presses, forging machines, steam hammers, etc. Serial No. 483,313; Aug. 14. Class 23.

General Mills, Inc., Minneapolis, Minn. Feed for animals. Serial No. 450,395; Aug. 14. Class 46.

Ghiselin, R. S., Chicago, Ill. Detergent compound. Serial No. 481,405; Aug. 14. Class 4.

Gladen, Carl F., Bay City, Mich. Accelerometers. Serial No. 481,323; Aug. 14. Class 26.

Gordy, Henry, New York, N. Y. Costume jewelry containing pearls. Serial No. 482,741; Aug. 14. Class 28.

Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. Serial No. 483,614; Aug. 14. Class 27.

Handman, Maurice, New York, N. Y. After shave lotions and emollients, cologne, face powder, etc. Serial No. 477,882; Aug. 14. Class 6.

Heppenstall Company, Pittsburgh, Pa. Steel forgings. Serial No. 481,705; Aug. 14. Class 14.

Heribert, Herbert J., New York, N. Y. Adhesives in the form of cements, glues and pastes. Serial No. 475,496; Aug. 14. Class 5.

Hill-Shaw Company, Chicago, Ill. Porcelain filters for beverage brewers. Serial No. 479,233; Aug. 14. Class 13.

Hill-Shaw Company, Chicago, Ill. Filters of cloth and cloth filter holders and filters made of porcelain. Serial No. 481,327; Aug. 14. Class 13.

Hill-Shaw Company, Chicago, Ill. Aluminum and stainless steel upper bowls. Serial No. 481,328; Aug. 14. Class 13.

Hobby Stationers: *See*—
Dyer, D. L.

Idris Limited, London, England. Cider diluted with aerated water. Serial No. 479,517; Aug. 14. Class 47.

Interatlantic Trading Corp., New York, N. Y. Watches and parts thereof. Serial No. 483,822; Aug. 14. Class 27.

Irresistible, Inc., New York, N. Y. Perfume. Serial Nos. 482,841–2; Aug. 14. Class 6.

Johnson & Johnson, New Brunswick, N. J. Fibrous wadding or battings. Serial No. 477,514; Aug. 14. Class 50.

Kadiem, Incorporated, New York, N. Y. Seasoning preparations for meats or other food products. Serial No. 480,110; Aug. 14. Class 46.

Kalart Company Inc., The, Stamford, Conn. Photographic products, camera accessories and attachments and parts thereof. Serial No. 482,328; Aug. 14. Class 26.

Katzenstein, Gertrude: *See*—
Katzenstein, Max and G.

Katzenstein, Max, and Gertrude Katzenstein, New York, N. Y. Stocking reinforcements for attachment to the garter welts of the stockings. Serial No. 479,389; Aug. 14. Class 40.

Kellogg Company, Battle Creek, Mich. Toy receiving and transmitting apparatus. Serial No. 483,480; Aug. 14. Class 22.

Kelly-Western Seed Co., Salt Lake City, Utah. Combination of soil conditioning and chemical ingredients. Serial No. 481,478; Aug. 14. Class 10.

Ker-O-Kil Manufacturing Co., Redwood City, Calif. Unitary portable hand-operated weed destroying burners and disinfecting torches. Serial No. 475,656; Aug. 14. Class 23.

King Kone Corporation, New York, N. Y. Melba toast and crackers known as waffles. Serial No. 482,880; Aug. 14. Class 46.

Lassie Toiletries, Inc., New York, N. Y. Toiletries. Serial No. 482,161; Aug. 14. Class 6.

Lenar Novelty Co., New York, N. Y. Cigarette cases. Serial No. 483,730; Aug. 14. Class 8.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. Serial No. 482,166; Aug. 14. Class 4.

Lowe, E. S., Company, Inc., New York, N. Y. Code word building game played with playing pieces. Serial No. 479,187; Aug. 14. Class 22.

Lowe, Joe, Corporation, New York, N. Y. Stabilizer for ice cream and dairy products. Serial No. 482,882; Aug. 14. Class 46.

Lubb'l, Incorporated, Chicago, Ill. Internal lubricant. Serial No. 482,585; Aug. 14. Class 6.

M. T. Laboratories: *See*—
Blutrich, Solomon.

Mackenzie, Duncan R., doing business as Duncan Mackenzie Company, New York, N. Y. Spot removing compound. Serial No. 481,672; Aug. 14. Class 4.

Mariann, Richard: *See*—
Willard, James B.

Maumee Collieries Company, The, Terre Haute, Ind. Coal. Serial No. 483,484; Aug. 14. Class 1.

Maxson, W. L., Corporation, The, New York, N. Y. Periodical of house organ type. Serial No. 482,691; Aug. 14. Class 38.

McDonald and Olliff, Inc., Wauchula, Fla. Citrus juices for food purposes and fresh citrus fruits. Serial No. 482,754; Aug. 14. Class 46.

McInerney Spring & Wire Company, Grand Rapids, Mich. Monthly house organ. Serial No. 483,909; Aug. 14. Class 38.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. Serial No. 475,964; Aug. 14. Class 50.

Merrit Products Company: *See*—
National Toilet Company.

Moxie Company, The, Boston, Mass. Non-alcoholic, maltless carbonated beverage and sirup for making the same. Serial No. 483,733; Aug. 14. Class 45.

Music City, Los Angeles, Calif. Phonograph records, phonograph needles, non-electrical sound recording discs. Serial No. 478,891; Aug. 14. Class 36.

Myrurgia, S. A., Barcelona, Spain. Perfumes, toilet creams, eau de cologne, etc. Serial No. 482,851; Aug. 14. Class 6.

Nathan, S., & Company, Inc., New York, N. Y. Simulated pearl necklaces. Serial No. 479,086; Aug. 14. Class 28.

National Agrol Company, Washington, D. C. Medicinal chewing gum. Serial No. 482,212; Aug. 14. Class 6.

National Oil Products Company, Harrison, N. J. Fatty amines and amides. Serial No. 470,468; Aug. 14. Class 6.

National Toilet Company, doing business as Merrit Products Company, Paris, Tenn. Pie filling mix, tapioca, dessert mix, prepared mustard, etc. Serial No. 484,269; Aug. 14. Class 46.

Neary, Leonard J., Los Angeles, Calif. Hair remover composition. Serial No. 482,434; Aug. 14. Class 6.

Nestle's Milk Products, Inc., New York, N. Y. Concentrated mate in powder form. Serial No. 482,635; Aug. 14. Class 46.

Newberry, E., Co., Los Angeles, Calif. Toilet preparations. Serial No. 479,090; Aug. 14. Class 6.

New England Mica Co., Waltham, Mass. High temperature resisting, inorganic bonded mica insulation. Serial No. 483,486; Aug. 14. Class 21.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Radiator cleaning compound, brake fluid, knee-action fluid, etc. Serial No. 480,606; Aug. 14. Class 6.

Optical Products Company, New York, N. Y. Eyeglasses and eyeglass mountings or frames and parts thereof. Serial No. 482,295; Aug. 14. Class 26.

Pacific Coast Borax Company, New York, N. Y. Borate ore. Serial No. 483,412; Aug. 14. Class 6.

Parents' Institute, Inc., The, New York, N. Y. Magazine for young girls published quarterly. Serial No. 483,781; Aug. 14. Class 38.

Parfait, Incorporated, Chicago, Ill. Cosmetic preparations. Serial No. 482,070; Aug. 14. Class 4.

Penacell Company: *See*—
Rudow, Harold L.

Perfecold Inc., Los Angeles, Calif. Electric refrigerators. Serial No. 482,219; Aug. 14. Class 31.

Pipe Couplings, Inc., New York, N. Y. Flexible pipe couplings. Serial No. 482,114; Aug. 14. Class 13.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 475,164; Aug. 14. Class 6.

Puiran Drug Company, St. Louis, Mo. Cosmetics and toilet preparations. Serial No. 468,683; Aug. 14. Class 6.

Purity Drug Co., Inc., Passaic, N. J. Medicinal preparations. Serial No. 480,380; Aug. 14. Class 6.

Purity Drug Co., Inc., Passaic, N. J. Haematinic tonic. Serial No. 481,858; Aug. 14. Class 6.

Quartaroli, R. J., doing business as Stanislaus Canning Company, Modesto, Calif. Canned vegetables. Serial No. 484,701; Aug. 14. Class 46.

Quix Company: *See*—
Sharpe, Florence C.

Research Products Corporation, Madison, Wis. Granular material for chemically softening and conditioning water and silica gel. 483,345; Aug. 14. Class 6.

Research Products Corporation, Madison, Wis. Air filters for use with heating, ventilating, and air conditioning equipment. Serial No. 484,102; Aug. 14. Class 34.

Roehrich, Jean L., New York, N. Y. Watches and clocks. Serial No. 460,714; Aug. 14. Class 27.

Rudow, Harold L., doing business as Penacell Company, Seattle, Wash. Medicinal compound. Serial No. 482,221; Aug. 14. Class 6.

Sandune Products Co.: *See*—
Tebbetts, Eugene L.

Seamless Rubber Company, The, New Haven, Conn. Nursing bottle nipples. Serial No. 483,453; Aug. 14. Class 44.

Selvy Creations, Inc., New York, N. Y. Stuffed toys. Serial No. 482,814; Aug. 14. Class 22.

Sharpe, Florence C., doing business as Quix Company, Los Angeles, Calif. Tablets that dispel breath odors. Serial No. 482,896; Aug. 14. Class 6.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and mechanical pencils. Serial No. 483,795; Aug. 14. Class 37.

Sherman, Vernon W., Summit, N. J. Electric timers, electric high frequency converters and electronic apparatus. Serial No. 481,165; Aug. 14. Class 21.

Spiegel, Inc., Chicago, Ill. Men's suits, work trousers, work coats, and work jackets. Serial No. 482,712; Aug. 14. Class 39.

Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 482,655; Aug. 14. Class 43.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. Serial No. 482,595; Aug. 14. Class 6.

Stadium Manufacturing Co., Inc., Baltimore, Md. Men's, women's, boys' and children's pajamas, sleeping coats, and outer shirts. Serial No. 483,713; Aug. 14. Class 39.

Standard Toykraft Products, Inc., Brooklyn, N. Y. Black and colored crayons and pencils and sets thereof. Serial No. 483,288; Aug. 14. Class 37.

Stanislaus Canning Company: *See*—
Quartaroli, R. J.

Stanton, E. J., & Son, Inc., Vernon, Calif. Hard and soft wood panelling. Serial No. 484,466; Aug. 14. Class 12.

Starline Inc., Harvard, Ill. Door hangers, door tracks, and track brackets. Serial No. 482,260; Aug. 14. Class 13.

Tebbetts, Eugene L., doing business as Sandune Products Co., Holliston, Mass. Salad spread. Serial No. 481,300; Aug. 14. Class 46.

Trumbull Electric Manufacturing Company, The, Plainville, Conn. Electrical apparatus. Serial No. 481,926; Aug. 14. Class 21.

Tru-Test: *See*—
Oakes & Co.

United States Gypsum Company, Chicago, Ill. Oxides and hydrates of alkaline earths, calcium carbonate and calcium sulfate. Serial No. 462,213; Aug. 14. Class 6.

Victory Cake Company, Newark, N. J. Fruit cake. Serial No. 481,813; Aug. 14. Class 46.

Vosemar Limited, Bury, Lancashire, England. Medicated preparation. Serial No. 478,440; Aug. 14. Class 6.

Wallerstein Company, Inc., New York, N. Y. Preparation in dry powder form. Serial No. 482,602; Aug. 14. Class 6.

Warren Shade Company, Minneapolis, Minn. Porch shades, specifically porch shades made of slats. Serial No. 476,418; Aug. 14. Class 32.

Westall, E., Co.: *See*—
Westall, Evelyn.

Westall, Evelyn, doing business as E. Westall Co., New York, N. Y. Perfumery. Serial No. 479,541; Aug. 14. Class 6.

West Virginia Pulp and Paper Company New York, N. Y. Tall oil pitch. Serial No. 483,464; Aug. 14. Class 1.

Willard, James B., doing business as Richard Mariann, Chicago, Ill. Facial creams, face lotions, face powder, etc. Serial No. 469,070; Aug. 14. Class 6.

Wulf Bros. Inc., New York, N. Y. Men's and young men's coats and suits. Serial No. 481,972; Aug. 14. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A-C Model Company: *See*—
Christman, Arthur F.

Abraham & Straus, Inc., New York, N. Y., assignor, by mesne assignments, to Pine Bros. Inc., Philadelphia, Pa. Mouth wash. 204,939; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Acme Brick Company, Fort Worth, Tex. Brick. 203,673; renewed Sept. 22, 1945. O. G. Aug. 14. Class 12.

Acme Visible Records, Inc., Chicago, Ill. Visible record files. 415,736; Aug. 14. Class 37.

Air Reduction Company, Incorporated, assignor to Air Reduction Sales Company, New York, N. Y. Oxyacetylene cutting apparatus. 204,976–7; renewed Oct. 27, 1945. O. G. Aug. 14. Class 34.

Air Reduction Sales Company: *See*—
Air Reduction Company, Incorporated, assignor.

Alexander Molasses Company, to Al-Mo-Co Corporation, Cincinnati, Ohio, successor. Molasses, table sirup, sorghum. 205,636; renewed Nov. 10, 1945. O. G. Aug. 14. Class 46.

Al-Mo-Co Corporation: *See*—
Alexander Molasses Company.

Alox Corporation, Niagara Falls, N. Y. Oil composition. 415,610; Aug. 14; Serial No. 460,131; published June 27, 1944. Class 15.

American Blower Corporation, The, Detroit, Mich. Fluid drive couplings. 415,709; Aug. 14; Serial No. 480,640; published May 29, 1945. Class 23.

American Chemical Paint Company, Ambler, Pa. Liquid composition. 415,656; Aug. 14; Serial No. 477,731; published May 22, 1945. Class 15.

American Chicle Company, Long Island City, N. Y. Confectionery. 202,869; renewed Sept. 8, 1945. O. G. Aug. 14. Class 46.

American Chicle Company, Long Island City, N. Y. Plain or uncoated chewing gum. 201,930; renewed Aug. 11, 1945. O. G. Aug. 14. Class 46.

American Glue Company, Boston, assignor to Cape Ann Isinglass Company, Marblehead, Mass. Fish isinglass. 197,945; renewed Apr. 28, 1945. O. G. Aug. 14. Class 1.

American Hair & Felt Company: *See*—
Keystone Hair Insulator Company, assignor.

American Hardware Corporation, The: *See*—
Russell & Erwin Manufacturing Company, assignor.

American Molasses Company: *See*—
Eastern Refining Co.

American Rubber Products Corporation, assignor to American Rubber Products Corporation, Jersey City, N. J. Tank balls. 203,750; renewed Sept. 22, 1945. O. G. Aug. 14. Class 13.

American Varnish Company, The, Chicago, Ill. Varnishes. 47,126–7; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 16.

America's Own Match Company, New York, N. Y. Matches. 415,696; Aug. 14; Serial No. 480,006; published May 29, 1945. Class 9.

Ames, N. F., & Co., assignor to N. F. Ames & Co., Corry, Pa. Sprits turpentine for medicinal use. 197,179; renewed Apr. 14, 1945. O. G. Aug. 14. Class 6.

Amo, D. P., & Company, Massena, N. Y. Preparation for the relief of headache, neuralgia, colds, grippe, etc. 204,560; renewed Oct. 20, 1945. O. G. Aug. 14. Class 6.

Ampco Metal, Inc., Milwaukee, Wis. Ingots, castings, forgings and unfinished machine parts. 415,617; Aug. 14; Serial No. 468,937; published May 29, 1945. Class 14.

Anasarcin Chemical Company, The, Winchester, Tenn. Medicine. 46,870; re-renewed Oct. 10, 1045. O. G. Aug. 14. Class 6.

Anchor Paper Company, The, Cincinnati, Ohio. Paper bags. 204,875; renewed Oct. 27, 1945. O. G. Aug. 14. Class 2.

Anginicide Company: *See*—
Ryther, James P.

Anheuser Busch Ice & C. S. Co. Inc., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Ice cream, water ices, and sherberts. 204,695; renewed Oct. 20, 1945. O. G. Aug. 14. Class 46.

Argonaut Milk Company, San Francisco, Calif. Dried milk solids in powder form. 204,567; renewed Oct. 20, 1945. O. G. Aug. 14. Class 46.

Armour and Company, Chicago, Ill. Coated abrasive products. 415,625; Aug. 14; Serial No. 473,405; published May 29, 1945. Class 4.

Arnold Curtain Manufacturing Co., Inc., Boston, Mass. Curtains. 415,838; Aug. 14. Class 42.

Arrow Importing Company, Inc., Cleveland, Ohio. Wearing apparel for men, women, and children. 415,609; Aug. 14; Serial No. 453,689; published Mar. 9, 1943. Class 39.

Ar. Winarick, Inc.: *See*—
Herpicide Company, The.

Associated Merchandising Corporation, assignor to Associated Merchandising Corporation, New York, N. Y. Box stationery. 204,973; renewed Oct. 27, 1945. O. G. Aug. 14. Class 37.

Associated Merchandising Corporation, assignor to Associated Merchandising Corporation, New York, N. Y. Toilet powder. 204,988; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Augusta Knitting Corporation, Utica, N. Y. Underwear and sportswear. 415,781; Aug. 14; Serial No. 475,233; published June 5, 1945. Class 39.

Autocar Company, The, Ardmore, Pa. Motor cars. 46,992; re-renewed Oct. 17, 1945. O. G. Aug. 14. Class 19.

Azen-Rothman Co., New York, N. Y. Ladies' blouses. 415,717; Aug. 14. Class 39.

Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Billiard balls, bowling balls, fishing reels, etc. 204,540; renewed Oct. 20, 1945. O. G. Aug. 14. Class 22.

Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Knife handles, saw handles, gears, etc. 205,129; renewed Nov. 3, 1945. O. G. Aug. 14. Class 23.

Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Brush backs and handles. 205,275; renewed Nov. 3, 1945. O. G. Aug. 14. Class 29.

Bakelite Corporation, assignor to Bakelite Corporation, New York, N. Y. Radium plaques, ozonizing apparatus, violet-ray generators, etc. 205,348; renewed Nov. 3, 1945. O. G. Aug. 14. Class 44.

Ballard & Ballard Company, Louisville, Ky. Wheat flour, pancake and buckwheat flour, wheat feeds, etc. 204,508; renewed Oct. 20, 1945. O. G. Aug. 14. Class 46.

Bancroft Racket Company, Pawtucket, R. I. Tennis, badminton, and squash rackets and tennis balls. 415,786; Aug. 14; Serial No. 476,355; published June 5, 1945. Class 22.

Barbizon Corporation, The, New York, N. Y. Ladies' slips. 415,758; Aug. 14; Serial No. 470,368; published July 25, 1944. Class 39.

Barrymore Carpet Corp., New York, N. Y. Liquid preparation. 415,623; Aug. 14; Serial No. 473,243; published May 29, 1945. Class 16.

Beacon Frocks, Inc., New York, N. Y. Ladies' dresses. 415,738; Aug. 14. Class 39.

Beattie Products, Inc., New York, N. Y. Pyrophoric catalytic and pilot lighters. 415,815; Aug. 14; Serial No. 480,976; published June 5, 1945. Class 34.

Bendiner & Schlesinger: *See*—
Schlesinger, Maurice F.
Bendiner & Schlesinger, assignor.

Berkshire Knitting Mills, Wyomissing and Reading, Pa. Hosiery. 415,808; Aug. 14; Serial No. 480,402; published May 29, 1945. Class 39.

Bialac, Marian, New York, N. Y. Cosmetic preparation. 415,701; Aug. 14; Serial No. 480,156; published May 22, 1945. Class 6.

Bialac, Marian, New York, N. Y. Cosmetic preparation. 415,702–3; Aug. 14; Serial Nos. 480,159–60; published May 22. 1945. Class 6.

Black, John H., Company: *See*—
Jewettville Clay Products Company, Inc.

Blackstaff Flax Spinning and Weaving Company Limited, The: *See*—
Carson, Robert M.

Borden Company, The, New York, N. Y. Blue cheese. 415,747; Aug. 14; Serial No. 463,806; published Dec. 7, 1943. Class 46.

Borden Company, The: *See*—
Anheuser Busch Ice & C. S. Co. Inc., assignor.
Merrell-Soule Company, assignor.

Bossert, Ray, Toledo, Ohio. Photographic portraits. 415,801; Aug. 14; Serial No. 479,661; published May 29, 1945. Class 38.

Brater, John K., assignor, by mesne assignments, to Brater, John K., & Co., Inc., New York, N. Y. Preparation for the treatment of asthma. 205,250; renewed Nov. 3, 1945. O. G. Aug. 14. Class 6.

Brater, John K., & Co., Inc.: *See*—
Brater, John K., assignor.

Brillo Manufacturing Company, Brooklyn, N. Y. Polish for hard wood surfaces, furniture, and automobiles. 203,380; renewed Sept. 15, 1945. O. G. Aug. 14. Class 16.

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations, and powders. 415,643; Aug. 14; Serial No. 476,594; published May 22, 1945. Class 6.

Bruno, C., & Son, Inc., New York, N. Y. Ukuleles, banjos, mandolins, etc. 205,271; renewed Nov. 3, 1945. O. G. Aug. 14. Class 36.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. 415,715; Aug. 14; Serial No. 481,174; published May 29, 1945. Class 22.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard and pocket-billiard balls. 205,346; renewed Nov. 3, 1945. O. G. Aug. 14. Class 22.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard cloth. 204,531; renewed Oct. 20, 1945. O. G. Aug. 14. Class 42.

Bugler Brand and Agencies Limited, The, Vancouver, British Columbia, Canada. Soap. 415,666; Aug. 14; Serial No. 478,538; published May 29, 1945. Class 4.

Burack, Fred S., Corporation, New York, N. Y. Misses', juniors', and children's coats. 415,762; Aug. 14; Serial No. 471,850; published May 29, 1945. Class 39.

Burkhart Medicine Company: *See*—
Burkhart, William S.

Burkhart, William S., doing business as Burkhart Medicine Company, Lockland, Ohio. Vegetable blood-purifier. 415,661; Aug. 14; Serial No. 478,108; published May 29, 1945. Class 6.

Butler Manufacturing Company, Kansas City, Mo. Dry cleaning equipment. 415,744; Aug. 14. Class 24.

C-Z Chemical Company, Beloit, Wis. Powdered wax. 415,688; Aug. 14; Serial No. 479,769; published May 15, 1945. Class 16.

California Fig Syrup Co., San Francisco, Calif., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Liquid purgative compounds. 46,827; renewed Oct. 10, 1945. O. G. Aug. 14. Class 6.

California Fruit Growers Exchange, Los Angeles, Calif. Glass reamers. 204,603; renewed Oct. 20, 1945. O. G. Aug. 14. Class 33.

California Hand Prints, Inc., Hermosa Beach, Calif. Table cloths, luncheon sets, and towels, etc. 415,824; Aug. 14. Class 42.

California Olive Packers, Incorporated, Corning, Calif. Olives in tin and glass. 415,791; Aug. 14; Serial No. 478,375; published Mar. 6, 1945. Class 46.

Cambridge Paper Box Company, Cambridge, Mass. Tubes. 415,721; Aug. 14. Class 2.

Canton Glass Company, Inc., Marion, Ind. Glassware. 415,672; Aug. 14; Serial No. 478,987; published May 29, 1945. Class 33.

Cape Ann Isinglass Company: *See*—
American Glue Company, assignor.

Carnation Company: *See*—
Pacific Coast Condensed Milk Co., assignor.

Carsello Chemical Products, Chicago, Ill. Combined cleaning and polishing preparation for floors. 415,629; Aug. 14; Serial No. 474,226; published May 15, 1945. Class 16.

Carson, Robert M., assignor to The Blackstaff Flax Spinning and Weaving Company Limited, Belfast, Northern Ireland. Linen handkerchiefs not in the piece. 200,687; renewed July 7, 1945. O. G. Aug. 14. Class 39.

Central Minn. Power & Milling Co., Sauk Center, assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Wheat flour. 204,286; renewed Oct. 13, 1945. O. G. Aug. 14. Class 46.

Certain-teed Products Corporation, Chicago, Ill. Molding or casting plaster of calcined gypsum. 415,821; Aug. 14. Class 12.

Chance Brothers & Co. Limited, West Smethwick, England, by change of name to Chance Brothers Limited. Glass. 199,476; renewed June 9, 1945. O. G. Aug. 14. Class 33.

Chance Brothers Limited: *See*—
Chance Brothers & Co. Limited.

Charmette Fabrics Co., Inc., New York, N. Y. Piece goods made of spun rayon, acetate rayon, cotton fibres, etc. 415,612; Aug. 14; Serial No. 466,148; published May 22, 1945. Class 42.

Chase, L. C., & Co., Boston, Mass., assignor, by mesne assignments, to Goodall-Sanford, Inc., Sanford, Maine. Mohair plush for car, furniture, and drapery purposes. 46,084; re-renewed Sept. 5, 1945. O. G. Aug. 14. Class 42.

Chemtest Laboratories: *See*—
Katz Drug Company.

Cheri-Top Company, Brooklyn, N. Y. Nonalcoholic cola beverage. 415,836; Aug. 14. Class 45.

Cherry City Milling Company, Salem, Oreg., assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour and pancake flour, cereal breakfast food, poultry and stock feeds. 199,943; renewed June 23, 1945. O. G. Aug. 14. Class 46.

Chicago Mail Order Company, Chicago, Ill. Periodical publication. 415,805; Aug. 14; Serial No. 480,048; published June 5, 1945. Class 38.

Chipman's, Chas., Sons Co., Inc.: *See*—
Pennsylvania Silk Hosiery Mills, Inc., assignor.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Paint. 415,651; Aug. 14; Serial No. 477,402; published May 15, 1945. Class 16.

Clark Brothers Chewing Gum Co., Pittsburgh, Pa. Chewing gum. 415,834; Aug. 14. Class 46.

Cobb, William F., Los Angeles and Beaumont, Calif. Fresh deciduous fruits. 415,727; Aug. 14. Class 46.

Coca-Cola Company, The, Wilmington, Del. Non-alcoholic maltless beverages and syrups for making such beverages. 415,755; Aug. 14; Serial No. 468,708; published June 5, 1945. Class 45.

Columbia Mills, Inc., The, New York, N. Y. Lace tablecloths, lace bedspreads, lace scarves, etc. 415,839; Aug. 14. Class 42.

Columbia Mills, Inc., The, New York, N. Y. Lace piece goods, lace panels, lace napkins, etc. 415,840; Aug. 14. Class 42.

Compagno, Lillian A., San Francisco, Calif. Salad dressing, cocktail sauce, Worcestershire style sauce, and barbecue sauce. 415,683; Aug. 14; Serial No. 479,664; published May 29, 1945. Class 46.

Consolidated Safety Pin Company, Bloomfield, N. J., assignor, by mesne assignments, to The Bisdon Manufacturing Company, Naugatuck, Conn. Safety-pins. 46,234; re-renewed Sept. 12, 1945. O. G. Aug. 14. Class 40.

Continental Gin Company, Birmingham, Ala. Oil engines. 198,624; renewed May 19, 1945. O. G. Aug. 14. Class 23.

Continental Paper & Bag Mills Corporation, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Packing paper. 203,699; renewed Sept. 22, 1945. O. G. Aug. 14. Class 37.

Continental Paper & Bag Mills Corporation, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Wrapping paper. 202,896; renewed Sept. 8, 1945. O. G. Aug. 14. Class 37.

Corley Manufacturing Company, Chattanooga, Tenn. Monthly publication. 415,837; Aug. 14. Class 38.

Corn Products Refining Company, New York, N. Y. Feedstuffs. 202,938; renewed Sept. 8, 1945. O. G. Aug. 14. Class 46.

Corn Products Refining Company: *See*—
New York Glucose Co., assignor.

Corporate Products Inc., Detroit, Mich. Gasoline motors. 415,799; Aug. 14. Serial No. 479,169; published June 5, 1945. Class 23.

Cortez Growers Association, Cortez and Turlock, to Cortez Growers Association, Turlock, Calif. Fresh grapes. 204,054; renewed Oct. 6, 1945. O. G. Aug. 14. Class 46.

Creamette Company, The, Minneapolis, Minn. Potato chips, candy, seedless raisins, etc. 201,880; renewed Aug. 11, 1945. O. G. Aug. 14. Class 46.

Cromer, Charles W.: *See*—
Nathan, Barnard, Co., assignor.

Cromwell Paper Company, The, Chicago, Ill. Wrapping paper. 415,742; Aug. 14. Class 37.

Cruce, J. Lee, Co., to Swamp and Dixie Laboratories, Inc., Fort Smith, Ark., successor. Headache, fever, and pain powder. 45,209; re-renewed Aug. 8, 1945. O. G. Aug. 14. Class 6.

Cutter-Crossette Co., Chicago, Ill. Cravats, neckties, mufflers, and necktie and handkerchief sets. 415,739; Aug. 14. Class 39.

Cutter Electrical and Manufacturing Company, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Time-limit mechanisms and automatic circuit breakers equipped with time-limit mechanisms. 205,289; renewed Nov. 3, 1945. O. G. Aug. 14. Class 21.

Dalecrest Classics, New York, N. Y. Ladies' and misses' dresses, coats, suits, etc. 415,800; Aug. 14; Serial No. 479,615; published May 29, 1945. Class 39.

Deering Milliken & Co., Inc.: *See*—
Whitney Mfg. Co., assignor.

Defiance Machine Works, Inc., Toledo, Ohio. Metal-working machinery. 415,751; Aug. 14; Serial No. 467,808; published June 5, 1945. Class 23.

Dehls & Stein, Inc., Newark, N. J. Extract of wheat in syrup form. 415,816; Aug. 14; Serial No. 481,217; published June 5, 1945. Class 48.

Deister Machine Company, Fort Wayne, Ind. Ore concentrators. 204,605; renewed Oct. 20, 1945. O. G. Aug. 14. Class 23.

D'Ellia, Joseph A., doing business as D'Ellia Oil Burner Co., Bridgeport, Conn. Oil burners for attachment to furnaces. 415,842; Aug. 14. Class 34.

D'Ellia Oil Burner Co.: *See*—
D'Ellia, Joseph A.

Derrick Publishing Company, The, Oil City, Pa. Daily newspaper. 415,783; Aug. 14; Serial No. 476,148; published June 5, 1945. Class 38.

Derrick Publishing Company, The, Oil City, Pa. Weekly newspaper. 415,784; Aug. 14; Serial No. 476,149; published June 5, 1945. Class 38.

Diamond Alkali Company, Pittsburgh, Pa. Laundry detergent. 415,659; Aug. 14; Serial No. 478,038; published May 29, 1945. Class 4.

Diamond Alkali Company, Pittsburgh, Pa. Laundry detergent. 415,660; Aug. 14; Serial No. 478,040; published May 29, 1945. Class 4.

Disston, Henry, Sons, Incorporated, Philadelphia, Pa. Steel bars, steel plates and steel sheets. 415,653–4; Aug. 14; Serial Nos. 477,559–60; published May 22, 1945. Class 14.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Refractory bricks, blocks and shapes and refractory cement. 415,768; Aug. 14; Serial No. 472,803; published June 5, 1945. Class 12.

Dobeckmun Company, The, Cleveland, Ohio. Electric insulation material. 415,812; Aug. 14; Serial No. 480,695; published June 5, 1945. Class 21.

Dold, Jacob, Packing Co., assignor to Dold Packing Corporation, Buffalo, N. Y. Cured meats. 203,527; renewed Sept. 22, 1945. O. G. Aug. 14. Class 46.

Dold Packing Corporation: *See*—
Dold, Jacob, Packing Co., assignor.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 415,785; Aug. 14; Serial No. 476,242; published June 5, 1945. Class 12.

Dove Undies, New York, N. Y. Ladies' nightgowns. 415,793; Aug. 14; Serial No. 478,543; published May 29, 1945. Class 39.

Dressit & Co.: *See*—
Lowenstein, David H.

Druid Pipe Works Limited: *See*—
Torriano Pipe Works Limited.

Dugout: *See*—
Lovett, Howard E.

Duplex Printing Press Company, Battle Creek, Mich. Web-perfecting flat-bed presses. 47,179; re-renewed Oct. 31, 1945. O. G. Aug. 14. Class 23.

Eastern Refining Co., to American Molasses Company, New York, N. Y., successor. Molasses. 45,463; renewed Aug. 22, 1945. O. G. Aug. 14. Class 46.

Eaton Manufacturing Company, Cleveland, Ohio. Thread inserts, nuts and screws. 415,826; Aug. 14. Class 13.

Eisner, George, Phoenix, Ariz. Device in the nature of a container. 415,630; Aug. 14; Serial No. 474,325; published May 29, 1945. Class 28.

Elco Tool and Screw Corporation, Rockford, Ill. Wood screws, washer head screws, machine screws, etc. 204,820; renewed Oct. 27, 1945. O. G. Aug. 14. Class 13.

Empire Grain & Elevator Company, Binghamton, to Tioga Mills Inc., Waverly, N. Y. Dairy, stock, and poultry feed. 199,444; renewed June 9, 1945. O. G. Aug. 14. Class 46.

Encyclopaedia Britannica, Inc., Chicago, Ill. Books published annually. 415,746; Aug. 14; Serial No. 434,395; published June 5, 1945. Class 38.

Enholm, Lewis W., Quincy, Mass. Fishing tackle 415,817; Aug. 14; Serial No. 481,362; published June 5, 1945. Class 22.

Essex Rubber Company, Trenton, N. J. Rubber heels. 204,478; renewed Oct. 20, 1945. O. G. Aug. 14. Class 39.

Evercrete Corporation, New York, N. Y. Paint enamels. 415,745; Aug. 14. Class 16.

Ever-Ready Company, The: *See*—
Plough Chemical Company.

Excel Corporation, Elkhart, Ind. Curtains and parts thereof. 415,790; Aug. 14; Serial No. 477,499; June 5, 1945. Class 19.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. 415,778; Aug. 14; Serial No. 475,194; published May 29, 1945. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. 415,779; Aug. 14; Serial No. 475,196; published May 29, 1945. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. 415,780; Aug. 14; Serial No. 475,200; published May 29, 1945. Class 38.

F. & V. Manufacturing Co., Providence, R. I. Ornamental bracelets and bracelets for wrist watches. 415,647; Aug. 14; Serial No. 477,265; published May 29, 1945. Class 28.

Fashionel Co.: *See*—
McCambridge and McCambridge Co., The.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, etc., and women's outercoats, sport jackets, suits. 415,807; Aug. 14; Serial No. 480,285; published June 5, 1945. Class 39.

Felix, Edgar H., Arlington, Va. Publications issued to subscribers monthly. 415,825; Aug. 14. Class 38.

Felton & Son, Inc.: *See*—
Felton Son, assignor.

Felton & Son, Boston, Mass., assignor to Felton & Son, Inc., South Boston, Mass., successor. Rum. 46,829; re-renewed Oct. 10, 1945. O. G. Aug. 14. Class 49.

Fibre & Metal Products, Inc., Downey, Calif. Brake linings. 415,626; Aug. 14; Serial No. 473,695; published May 29, 1945. Class 35.

Firestone Aircraft Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business as Firestone Aircraft Company, Akron, Ohio. Structural reinforcing or stiffening material. 415,680; Aug. 14; Serial No. 479,513; published May 29, 1945. Class 1.

Fitler, Edward H., Co., The, Philadelphia, Pa. Spun yarns, lath yarns, and fodder yarns. 204,578–9; renewed Oct. 20, 1945. O. G. Aug. 14. Class 43.

Flashlight Company of America, Jersey City, N. J. Pyrophoric cigar and cigarette lighters. 415,732; Aug. 14. Class 34.

Foot Products Co., The: *See*—
Stein, H. C.

Formax Mfg. Company: *See*—
McAleer, Howard J.

Foster-Milburn Co., Buffalo, N. Y. Laxatives. 46,552; re-renewed Sept. 26, 1945. O. G. Aug. 14. Class 6.

Foster-Milburn Co.: *See*—
Olmstead, Allen S., assignor.

Fox River Paper Company, assignor to Fox River Paper Corporation, Appleton, Wis. Writing paper. 203,713; renewed Sept. 22, 1945. O. G. Aug. 14. Class 37.

Fox River Paper Corporation: *See*—
Fox River Paper Company, assignor.

Franco-Corset Company: *See*—
Franco Corset Company, Inc.

Franco Corset Company, Inc., assignor to Franco-Corset Company, New York, N. Y. Corsets and brassières. 205,585; renewed Nov. 10, 1945. O. G. Aug. 14. Class 39.

Fruit Bar Products Co., Los Angeles, Calif. Fruit and nut confection bar. 415,814; Aug. 14; Serial No. 480,951; published June 5, 1945. Class 46.

Fuller Tool Co., New York, N. Y. Screw drivers. 415,648; Aug. 14; Serial No. 477,355; published May 29, 1945. Class 23.

Fuller, W. P., & Co., San Francisco, Calif. Wood preservatives (a liquid chemical). 205,621; renewed Nov. 10, 1945. O. G. Aug. 14. Class 6.

Fulton Bag & Cotton Mills, Atlanta, Ga. Bags. 46,109; re-renewed Sept. 5, 1945. O. G. Aug. 14. Class 2.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tent duck and drill materials. 202,125; renewed Aug. 18, 1945. O. G. Aug. 14. Class 42.

Fulton Bag & Cotton Mills, Atlanta, Ga. Waterproof cloth. 46,110; re-renewed Sept. 5, 1945. O. G. Aug. 14. Class 42.

Galter Manufacturing Company, Chicago, Ill. Pyrophoric cigar lighters. 415,639; Aug. 14; Serial No. 476,157; published May 29, 1945. Class 34.

Gardel, Eugenia, New York, N. Y. Dolls. 415,699; Aug. 14; Serial No. 480,133; published May 29, 1945. Class 22.

Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Night gowns, pajamas, sleep-coats, etc. 415,611; Aug. 14; Serial No. 461,589; published Mar. 14, 1944. Class 39.

Garrison, Paula: *See*—
Garrison, Bertice P.

Geidel Canneries, Inc., Adell, Wis. Canned vegetables. 415,637; Aug. 14; Serial No. 475,906; published May 29, 1945. Class 46.

General Dyestuff Corporation: *See*—
Metz, H. A., & Co., Inc., assignor.

General Mills, Inc.: *See*—
Central Minn. Power & Milling Co., assignor.
Cherry City Milling Company.
Washburn-Crosby Company.

General Motors Corporation: *See*—
North East Electric Company.

General Plastics Manufacturing Co.: *See*—
Schatz, Louis W.

Gerlach, E. A., Company, Philadelphia, Pa. Liquid cleaning compound. 415,673; Aug. 14; Serial No. 479,118; published May 29, 1945. Class 4.

Giaimo, Thomas C., doing business as Vanisorb Laboratories, Hoboken, N. J. Base material for pharmaceutical and cosmetic creams. 415,684; Aug. 14; Serial No. 479,674; published May 29, 1945. Class 6.

Gidley, Philip T., Fairhaven, Mass. Aromatic organic chemical composition. 415,685; Aug. 14; Serial No. 479,711; published May 22, 1945. Class 6.

Gilman Brothers Co., The, Gilman, Conn. Fibrous cotton heat and sound insulating material. 415,613; Aug. 14; Serial No. 466,257; published July 25, 1944. Class 12.

Glastonbury Knitting Company, Addison, Conn., assignor to Wright's Underwear Company, Inc., New York, N. Y. Knitted underwear. 46,663; re-renewed Oct. 3, 1945. O. G. Aug. 14. Class 39.

Globe Roofing Products Co., Inc., Whiting, Ind. Mineral surfaced asphalt shingles. 415,729; Aug. 14. Class 12.

Goldenbro Fabrics, Inc., New York, N. Y. Rayon piece goods and rayon and cotton piece goods. 415,697; Aug. 14; Serial No. 480,018; published May 22, 1945. Class 42.

Goldsmith, J., & Sons Company, Memphis, Tenn. Men's and boys' suits and overcoats. 204,817; renewed Oct. 27, 1945. O. G. Aug. 14. Class 39.

Gollomp, M., & Sons, New York, N. Y. Misses' and women's dresses. 415,718; Aug. 14. Class 39.

Good, Harry H., doing business as Dr. Tutt Mfg. Co., assignor to Mabel Emmons Good, trustee, doing business as Dr. Tutt Company, New York, N. Y. Liver pills. 197,484; renewed Apr. 21, 1945. O. G. Aug. 14. Class 6.

Good, Mabel Emmons, trustee: *See*—
Good, Harry H., assignor.
Tutt, Dr. Mfg. Co., assignor.

Goodall-Sanford, Inc.: *See*—
Chase, L. C., & Co., assignor.
Goodall Worsted Co.

Goodall Worsted Co., Sanford, Maine, and New York, N. Y., by change of name to Goodall-Sanford, Inc., Sanford, Maine. Mohair piece goods and piece goods of combination cotton, wool, etc. 204,762; renewed Oct. 27, 1945. O. G. Aug. 14. Class 42.

Goodall Worsted Co., Sanford, Maine, and New York, N. Y., by change of name to Goodall-Sanford, Inc., Sanford, Maine. Mohair piece goods, etc. 204,826; renewed Oct. 27, 1945. O. G. Aug. 14. Class 42.

Gotham Ink & Color Co.: *See*—
Kantor, Samuel T.

Grace Bros. Brewing Co., Santa Rosa, Calif. Beer and like cereal malt beverages. 415,818; Aug. 14; Serial No. 481,408; published May 29, 1945. Class 48.

Gramer Company, The, Chicago, Ill. Electrical coils and transformers. 415,813; Aug. 14; Serial No. 480,864; published June 5, 1945. Class 21.

Grant, Joe, and Dick Huemer, Glendale, Calif. Dolls. 415,662; Aug. 14; Serial No. 478,381; published May 29, 1945. Class 22.

Graphic Arts Corporation of Ohio, Toledo, Ohio. Paper (not sensitized) used for making prints. 415,804; Aug. 14; Serial No. 480,020; published June 5, 1945. Class 37.

Gray and Dudley Hardware Company, assignor, by mesne assignments, to Keith-Simmons Co. Inc., Nashville, Tenn. Pocket-knives, razors, table-knives, etc. 47,069; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 23.

Griswold Manufacturing Company, The, Erie, Pa. Aluminum and iron cooking utensils. 205,244; renewed Nov. 3, 1945. O. G. Aug 14. Class 13.

Gross, Lewis A., Philadelphia, Pa. Tablets for constipation. 204,744; renewed Oct. 27, 1945; O. G. Aug. 14. Class 6.

Gross, Lewis A., Philadelphia, Pa. Tablets or capsules for pains in the head. 204,745; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Co., assignor.

Guild, L. W., Company, Inc., Boston, Mass. Piece goods of worsted, cotton, or rayon, or mixtures thereof. 415,833; Aug. 14. Class 42.

Harris, J. E., Company, The, Wooster, Ohio. Asbestos compounds. 201,766–7; renewed Aug. 4, 1945. O. G. Aug. 14. Class 12.

Harris, J. E., Company, The, Wooster, Ohio. Asbestos compounds. 202,050; renewed Aug. 11, 1945. O. G. Aug. 14. Class 12.

Harris Soap Company, Buffalo, N. Y. Toilet soap, castile soap, and laundry soap, etc. 204,756; renewed Oct. 27, 1945. O. G. Aug. 14. Class 4.

Harrison, Monroe, Chicago, Ill., assignor to The Moxie Company, Boston, Mass. Nonalcoholic, maltless soft drinks and syrups and concentrates. 415,769; Aug. 14; Serial No. 473,447; published Nov. 7, 1944. Class 45.

Hayunga's Pharmacy and Dundas Drug Company, New York, N. Y. Pills for treating cold in the head, jelly for treatment of catarrh, vermin eradicator, etc. 205,547; renewed Nov. 10, 1945. O. G. Aug. 14. Class 6.

Heilkraft Medical Co., Boston, Mass. Remedies for the treatment of rheumatic and gouty affections. 204,891; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Helvetia Milk Condensing Company: *See*—
Pet Milk Company,

Herpicide Company, The, Detroit, Mich., assignor, by mesne assignments, to Ar. Winarick, Inc., New York, N. Y. Hair tonic. 201,106; renewed July 21, 1945. O. G. Aug. 14. Class 6.

Hiller Bros. & Hiller, New York, N. Y. Ladies' and misses' coats. 415,809; Aug. 14; Serial No. 480,416; published May 29, 1945. Class 39.

Hilsenback, Louis, assignor, by mesne assignments, to Julius Schmid, Inc., New York, N. Y. Prophylactic membranous articles. 204,305; renewed Oct. 13, 1945. O. G. Aug. 14. Class 44.

Hilsenbeck, Louis, assignor, by mesne assignments, to Schmid, Julius, Inc., New York, N. Y. Prophylactic membranous articles. 205,201; renewed Nov. 3, 1945. O. G. Aug. 14. Class 44.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas and accordions. 205,287; renewed Nov. 3, 1945. O. G. Aug. 14. Class 36.

House of Maxime Inc., Chicago, Ill. Perfumes, colognes and sachet. 415,691; Aug. 14; Serial No. 479,878; published May 29, 1945. Class 6.

Hoyt, E. W., & Co.: *See*—
Shedd, Freeman B.

Huemer, Dick: *See*—
Grant, J., and Huemer.

Hulbert, Ray E., Rockaway, N. J. Soap. 415,689; Aug. 14; Serial No. 479,798; published May 29, 1945. Class 4.

Humble Oil & Refining Company, Houston, Tex. Refined and unrefined oils, and lubricating greases. 203,243; renewed Sept. 15, 1945.—O. G. Aug. 14. Class 15.

I. T. E. Circuit Breaker Company: *See*—
Cutter Electrical and Manufacturing Company, assignor.

Illinois Motor Truck Operators Ass'n, Inc. Periodical publication. 415,829; Aug. 14. Class 38.

Imperial Knife Company, Inc., Providence, R. I. Knives. 415,752; Aug. 14; Serial No. 467,889; published Sept. 19, 1944. Class 23.

Imperial Sugar Company, Sugar Land, Tex. Sugar. 205,637; renewed Nov. 10, 1945. O. G. Aug. 14. Class 46.

International Harvester Company, Chicago, Ill. Combined harvesters and thrashers and attachments and parts thereof. 204,623; renewed Oct. 20, 1945. O. G. Aug. 14. Class 23.

International Paper Company: *See*—
Continental Paper & Bag Mills Corporation, assignor.

Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening. 205,183; renewed Nov. 3, 1945. O. G. Aug. 14. Class 46.

J. B. Syrup Co., Inc., New York, N. Y Maltless, nonalcoholic flavors, extracts and concentrates. 415,806; Aug. 14; Serial No. 480,135; published May 29, 1945. Class 45.

Jackson Brewing Company, New Orleans, La. Ginger ale. 205,123; renewed Nov. 3, 1945. O. G. Aug. 14. Class 45.

Jacob, H., & Sons, Inc., doing business as Marvlo Mills, assignor to J. C. Penney Company, New York, N. Y. Cotton piece goods. 202,509; renewed Aug. 25, 1945. O. G. Aug. 14. Class 42.

Jamison Classics, Inc., New York, N. Y. Ladies' and misses' dresses, slacks, outershorts, etc. 415,737; Aug. 14. Class 39.

Janlen Products, assignor to Nardau Ltd., New York, N. Y. Perfumes. 415,681; Aug. 14; Serial No. 479,518; published May 22, 1945. Class 6.

Jersild Knitting Company, to Jersild Knitting Corporation, Neenah, Wis. Sweaters, toques, and bathing suits. 204,723; renewed Oct. 27, 1945. O. G. Aug. 14. Class 39.

Jersild Knitting Corporation: *See*—
Jersild Knitting Company.

Jewettville Clay Products Company, Inc., Jewettville, by merger to John H. Black Company, Buffalo, N. Y. Brick. 203,687; renewed Sept. 22, 1945. O. G. Aug. 14. Class 12.

Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. 415,743; Aug. 14. Class 37.

Kahn, J. Norman, St. Albans, N. Y. High chairs. 415,655; Aug. 14; Serial No. 477,653; published May 29, 1945. Class 32.

Kaiser Company, Inc., New York, N. Y. Steel plate and steel ingots. 415,716; Aug. 14. Class 14.

Kamwater Heater Mfg. Co. Inc., Brooklyn, N. Y. Water heaters and steam generators and parts thereof. 204,927; renewed Oct. 27, 1945. O. G. Aug. 14. Class 34.

Kantor, Samuel T., doing business as Gotham Ink & Color Co., Long Island City, N. Y. Rotogravure inks; coatings and varnishes; etc. 415,674–6; Aug. 14; Serial Nos. 479,179–81; published May 29, 1945. Class 11.

Kapiloff, Gerald, Washington, D. C. Paper stencils. 415,619; Aug. 14; Serial No. 470,338; published May 29, 1945. Class 37.

Karavan Trading Company, New York, N. Y. Toy stuffed animals, dolls, toy whistles, etc. 415,710; Aug. 14; Serial No. 480,660; published May 29, 1945. Class 22.

Karcher, A., Candy, Company, Little Rock, Ark. Candy. 415,841; Aug. 14. Class 46.

Katz Drug Company, doing business as Chemtest Laboratories, Kansas City, Mo. Laxative. 415,705; Aug. 14; Serial No. 480,458; published May 22, 1945. Class 6.

Kearns Coal Company, The, Cincinnati, Ohio. Coal. 205,602; renewed Nov. 10, 1945. O. G. Aug. 14. Class 1.

Keith-Simmons Co. Inc.: *See*—
Gray and Dudley Hardware Company, assignor.

Keystone Hair Insulator Company, Allegheny, Pa., assignor, by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 46,333–7; re-renewed Sept. 12, 1945. O. G. Aug. 14. Class 12.

Kilburn Mill, New Bedford, Mass. Cotton waste. 205,494; renewed Nov. 10, 1945. O. G. Aug. 14. Class 1.

Kilburn Mill, New Bedford, Mass. Cotton waste. 205,587–92; renewed Nov. 10, 1945. O. G. Aug. 14. Class 1.

Kilburn Mill, New Bedford, Mass. Cotton waste. 205,597–601; renewed Nov. 10, 1945. O. G. Aug. 14. Class 1.

Klein, Ben, Santa Monica, Calif. Liquid hair dressing composition. 415,713; Aug. 14; Serial No. 480,869; published May 29, 1945. Class 6.

Kohnstamm, H., & Co., Inc., New York, N. Y. Antiseptic washing liquid. 205,329; renewed Nov. 3, 1945. O. G. Aug. 14. Class 4.

Kohnstamm, H., & Co., Inc., New York, N. Y. Liquid bleach. 415,711; Aug. 14; Serial No. 480,665; published May 22, 1945. Class 6.

Ko Wah Lum, San Francisco, Calif. Cigarettes. 415,621; Aug. 14; Serial No. 471,121; published May 29, 1945. Class 17.

Kromex Corporation, Cleveland, Ohio. Cover and plate. 415,741; Aug. 14. Class 13.

Kropp Forge Aviation Co., Chicago, Ill. Unfinished, partly finished and semifabricated forgings. 415,635; Aug. 14; Serial No. 475,256; published May 8, 1945. Class 14.

Kurfees, J. F., Paint Company, Incorporated: *See*—
Kurfees, James F., Paint Co.

Kurfees, James F., Paint Co., to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., successor. Liquid ready-mixed paints. 47,075; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 16.

Lady Fair Corporation, assignor to Martha Maid Mfg. Co., Chicago, Ill. Women's and misses' underwear. 205,169; renewed Nov. 3, 1945. O. G. Aug. 14. Class 39.

Lakeside Laboratories, Inc., Milwaukee, Wis. Medication consisting of purified solution of liver thiemine hydrochloride. 415,704; Aug. 14; Serial No. 480,333; published May 22, 1945. Class 6.

Lasdon, Philip S., doing business as Reduction and Refining Company, Newark, N. J. Hydrogen reduced tungsten metal powders. 415,682; Aug. 14; Serial No. 479,579; published May 15, 1945. Class 14.

Lawrence, George, Co., The, Portland, Oreg. Saddles for horses, heads and reins, horse collars, etc. 415,725; Aug. 14. Class 3.

Lawrence, George, Co., The, Portland, Oreg. Saddles for horses, harnesses, heads and reins, horse collars, martingales, etc. 415,726; Aug. 14. Class 3.

Lentheric, Inc., assignor to Lentheric Incorporated, New York, N. Y. Perfume, toilet water, face powder, etc. 204,699; renewed Oct. 20, 1945. O. G. Aug. 14. Class 6.

Lentheric Incorporated: *See*—
Lentheric, Inc., assignor.

Lever Brothers Company: *See*—
Pepsodent Co., The, assignor.

Lightfoot Schultz Company, Hoboken, N. J., to Lightfoot Schultz Company, New York, N. Y. Face powders, face creams, face packs, etc. 204,910; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Limbert, John W., doing business as The Nutwheat Milling Co., to Minnie A. Limbert, Muncie, Ind., successor. Breakfast cereal food. 202,689; renewed Sept. 1, 1945. O. G. Aug. 14. Class 46.

Limbert, Minnie A.: *See*—
Limbert, John W.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. 415,798; Aug. 14; Serial No. 479,133; published June 5, 1945. Class 19.

London Twins Mixer Co., Brooklyn, N. Y. Nonalcoholic concentrated liquid product. 415,761; Aug. 14; Serial No. 471,406; published May 29, 1945. Class 45.

Lovett, Howard E., doing business as Dugout, New York, N. Y. Card game. 415,819; Aug. 14; Serial No. 481,483; published June 5, 1945. Class 22.

Lowenstein, David H., doing business as Dressit & Co., Denver, Colo. Salad dressing. 415,707; Aug. 14; Serial No. 480,513; published May 29, 1945. Class 46.

Lowenthal, Joseph, Philadelphia, Pa. Compounds for treating hemorrhoids. 204,889; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6.

Lunt, Stanley H., Freshfield, England. Chemical compounds. 415,624; Aug. 14; Serial No. 473,321; published May 22, 1945. Class 6.

Madera Bonded Wine & Liquor Company: *See*—
Steinbach, Samuel.

Mahady, E. F., Company, Boston, Mass. Invalids' bedside cabinets, invalids' straight chairs, allergy pillows, etc. 415,677; Aug. 14; Serial No. 479,192; published May 29, 1945. Class 44.

Maillard Corporation, The: *See*—
Maillard, Henry, assignor.

Maillard, Henry, assignor, by mesne assignments, to The Maillard Corporation, New York, N. Y. Candy. 202,982; renewed Sept. 8, 1945. O. G. Aug. 14. Class 46.

Major Distributing Company, Salinas, Calif. Fresh vegetables. 415,757; Aug. 14; Serial No. 470,035; published Sept. 26, 1944. Class 46.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Dry batteries and primary cells. 415,795; Aug. 14; Serial No. 478,884; published June 5, 1945. Class 21.

Maltine Company, The, Brooklyn, N. Y. Medical preparations. 46,880; re-renewed Oct. 10, 1945. O. G. Aug. 14. Class 6.

Manhattan Electrical Supply Company, Inc., assignor to National Carbon Company, Inc., New York, N. Y. Dry batteries. 204,426; renewed Oct. 20, 1945. O. G. Aug. 14. Class 21.

Manheim Manufacturing & Belting Company, Manheim, Pa. Power transmission belting. 415,830; Aug. 14. Class 35.

Marquette Manufacturing Co. Inc., Minneapolis, Minn. Powder to be mixed with water to form a paint-like substance. 415,723; Aug. 14. Class 16.

Mars, Incorporated, Chicago, Ill. Periodical. 415,810; Aug. 14; Serial No. 480,420; published May 29, 1945. Class 38.

Martha Maid Mfg. Co.: *See*—
Lady Fair Corporation.

Marvin Textile Associates, Inc., New York, N. Y. Robes; ladies' pajamas; blouses. 415,749; Aug. 14; Serial No. 465,263; published June 5, 1945. Class 39.

Marvlo Mills: *See*—
Jacobs, H., & Sons, Inc.

Mathews, Emma W., Winchester, Ind. Newspaper feature or column. 415,811; Aug. 14; Serial No. 480,603; published June 5, 1945. Class 38.

May Knitting Co., Inc., New York, N. Y. Baby blankets, shawls and afghans. 415,728; Aug. 14. Class 42.

McAleer, Howard J., doing business as Formax Mfg. Company, Detroit, Mich. Hand rubbing compounds, road scum remover, machine polishing compound, etc. 415,657; Aug. 14; Serial No. 477,939; published May 29, 1945. Class 4.

McCambridge and McCambridge Co., The, doing business as Fashionel Co., Baltimore, Md. Eau de cologne. 415,708; Aug. 14; Serial No. 480,546; published May 29, 1945. Class 6.

McCaskill, Daniel E., Montgomery, Ala. Hair tonic. 415,640; Aug. 14; Serial No. 476,256; published May 22, 1945. Class 6.

McCready Publishing Company, New York, N. Y. Trade publication issued monthly. 202,976; renewed Sept. 8, 1945. O. G. Aug. 14. Class 38.

McGraw Electric Company: *See*—
Waters-Genter Co., assignor.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines published periodically. 415,832; Aug. 14. Class 38.

McInerny Laboratory, Los Angeles, Calif. Products containing colloidal sulphur. 415,642; Aug. 14; Serial No. 476,334; published May 22, 1945. Class 6.

McLaurin-Jones Co., Brookfield, Mass. Gummed paper. 203,703; renewed Sept. 22, 1945. O. G. Aug. 14. Class 37.

McLaurin-Jones Co., Brookfield, Mass. Fancy coated papers, envelope linings, and similar uses. 203,704; renewed Sept. 22, 1945. O. G. Aug. 14. Class 37.

Mead, M. A., and Company, Chicago, Ill. Rings with stones, ring mountings for stones, plain rings in gold, etc. 415,634; Aug. 14; Serial No. 474,731; published May 29, 1945. Class 28.

Meridan Products Company: *See*—
Unterman, Sigmund.

Merrell-Soule Company, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Food product in the nature of a carbohydrate. 204,004; renewed Oct. 6, 1945. O. G. Aug. 14. Class 46.

Metal & Thermit Corporation, New York, N. Y. Aluminothermic compositions. 415,638; Aug. 14; Serial No. 476,026; published May 15, 1945. Class 14.

Metropolitan Knitwear Co., New York, N. Y. Ladies', misses', and children's sweaters and sweater ensembles. 415,731; Aug. 14. Class 39.

Metropolitan Welding Fabricators, Inc., Long Island City, N. Y. Welded fittings for connecting pipes to tanks, other pipes, etc. 415,740; Aug. 14. Class 13.

Metz, H. A., & Co., Inc., assignor to General Dyestuff Corporation, New York, N. Y. Compositions for use in carbonizing wool, for protecting wool fabrics against injurious effects during dyeing, etc. 203,182; renewed Sept. 15, 1945. O. G. Aug. 14. Class 6.

Middishade Company, to The Middishade Company, Inc., Philadelphia, Pa., successor. Men's coats, vests, trousers, and suits. 201,215; renewed July 21, 1945. O. G. Aug. 14. Class 39.

Middishade Company, Inc., The: *See*—
Middishade Company.

Midland Refractories Corporation, Chicago, Ill. Stacks and chimney sections. 415,754; Aug. 14; Serial No. 468,388; published June 5, 1945. Class 12.

Miller, I., & Sons, Inc., Long Island City, N. Y. Shoe polish and dressing. 204,726; renewed Oct. 27, 1945. O. G. Aug. 14. Class 4.

Minneapolis Brewing Company, Minneapolis, Minn. Ale. 415,763; Aug. 14; Serial No. 472,251; published May 29, 1945. Class 48.

Minneapolis Brewing Company, Minneapolis, Minn. Beer. 415,764; Aug. 14; Serial No. 472,252; published May 29, 1945. Class 48.

Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. 415,692; Aug. 14; Serial No. 479,891; published May 29, 1945. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants. 415,693; Aug. 14; Serial No. 479,892; published May 29, 1945. Class 6.

Moxie Company, The: *See*—
Harrison, Monroe.

Mutation Mink Breeders Association: *See*—
Silverblu Mink Breeders Association.

Nardau Ltd.: *See*—
Janlen Products, assignor.

Nathan, Barnard, Co., New York, N. Y., assignor to Charles W. Cromer, to Charles W. Cromer, doing business as Shalwin Hosiery Mills, Hagerstown, Md. Hosiery. 204,404; renewed Oct. 20. O. G. Aug. 14. Class 39.

National Agrol Company, The, Washington, D. C. Medicinal chewing gum. 415,649–50; Aug. 14; Serial Nos. 477,364–5; published May 22, 1945. Class 6.

National Carbon Company, Inc.: *See*—
Manhattan Electrical Supply Company, Inc., assignor.

National Carbon Company, Inc., New York, N. Y. Battery flash lights and casings therefor. 204,174; renewed Oct. 13, 1945. O. G. Aug. 14. Class 21.

Nedick's Stores, Inc., New York, N. Y. Orange juice beverage, orange concentrate and syrup. 415,760; Aug. 14; Serial No. 471,163; published May 29, 1945. Class 45.

Nemecek Brothers: *See*—
Nemecek, Jas. L.

Nemecek, Jas. L., doing business as Nemecek Brothers, Chicago, Ill. Men's suits coats, trousers, etc. 198,006; renewed Apr. 28, 1945. O. G. Aug. 14. Class 39.

Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, assignor, by mesne assignments, to Frank M. Wilson Company, Stockton, Calif. Canned fruits and canned vegetables. 205,122; renewed Nov. 3, 1945. O. G. Aug. 14. Class 46.

Neuhoff, Fred B., Company: *See*—
Neuhoff, Fred B.

New York Glucose Co., assignor to Corn Products Refining Company, New York, N. Y. Table-syrup. 46,561–2; re-renewed Sept. 26, 1945 O. G. Aug. 14. Class 46.

North East Electric Company, Rochester, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Electric starting apparatus, electric lighting apparatus, and electric motors, etc. 205,542; renewed Nov. 10, 1945. O. G. Aug. 14. Class 21.

Norwich Pharmacal Company, The, New York, N. Y., to The Norwich Pharmacal Company, Norwich, N. Y. Ointments and preparations employing oils, butters, glycerin, and other viscous or jelly-like substances. 46,159; re-renewed Sept. 5, 1945. O. G. Aug. 14. Class 6.

Nugget Polish Company of New York Limited, The, London, England. Leather, metal and boot and shoe polishes and polishing cloths. 415,646; Aug. 14; Serial No. 476,980; published May 29, 1945. Class 4.

Nutone, Incorporated, Cincinnati, Ohio. Electric loud speakers and electric chime signals. 415,770; Aug. 14; Serial No. 473,832; published June 5, 1945. Class 21.

Nutwheat Milling Co., The: *See*—
Limbert, John W.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Cream cooling cans, railroad milk cans, milk pails, etc. 415,733; Aug. 14. Class 2.

Oakes & Co., also doing doing business as Tru-Test, Chicago, Ill. Wax and liquid polish and cleaner. 415,734; Aug. 14. Class 16.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Shotguns, rifles, air rifles, etc. 415,735; Aug. 14. Class 9.

Oakes &. Co., also doing business as Tru-Test, Chicago, Ill. Lubricating oils and greases, penetrating oil, kerosene and gasoline. 415,736; Aug. 14. Class 15.

Odin Stove Manufacturing Company, Erie, Pa. Gas heating and cooking stoves. 205,314–5; renewed Nov. 3, 1945. O. G. Aug. 14. Class 34.

Odora Company, Inc., New York, N. Y. Clothes holder. 415,679; Aug. 14; Serial No. 479,397; published May 29, 1945. Class 50.

Old Fashioned Millers, Incorporated, St. Paul, Minn. Wheat flour. 415,614; Aug. 14; Serial No. 466,510; published Jan. 23, 1945. Class 46.

Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 415,771; Aug. 14; Serial No. 474,177; published Jan. 30, 1945. Class 45.

Old Gardener Products Limited, The, Vancouver, British Columbia, Canada. Fertilizers. 415,622; Aug. 14; Serial No. 472,576; published May 29, 1945. Class 10.

Olds Alloys Co., Southgate, Calif. White bronze alloy. 415,668; Aug. 14; Serial No. 478,720; published May 29, 1945. Class 14.

Olmstead, Allen S., Le Roy, assignor to Foster-Milburn Co., Buffalo, N. Y. Worm-powders. 27,040; re-renewed Sept. 3, 1945. O. G. Aug. 14. Class 6.

O'Neil, Albert T., doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn. Metal brake, metal forming tools and metal shears. 415,774; Aug. 14; Serial No. 474,677; published June 5, 1945. Class 23.

O'Neil-Irwin Manufacturing Co.: *See*—
O'Neil, Albert T.

Onyx Oil & Chemical Company, Jersey City, N. J. Product for weighting and adding body to silk. 205,262; renewed Nov. 3, 1945. O. G. Aug. 14. Class 6.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Waterproofing compounds. 415,631–2; Aug. 14; Serial Nos. 474,503–4; published May 29, 1945. Class 16.

Otis Elevator Company, Jersey City, N. J., and New York, to Otis Elevator Company, New York, N. Y. Elevators and hoists and parts thereof. 204,849; renewed Oct. 27, 1945. O. G. Aug. 14. Class 23.

Otronics Company of America, Inc., New York, N. Y. Hearing aid devices. 415,667; Aug. 14; Serial No. 478,687; published May 29, 1945. Class 44.

Oxford Products, Inc., Cleveland, Ohio. Dietary supplement. 415,664; Aug. 14; Serial No. 478,517; published May 22, 1945. Class 6.

Oxweld Acetylene Company, assignor to Union Carbide and Carbon Corporation, New York, N. Y. Welding rods. 203,925; renewed Sept. 29, 1945. O. G. Aug. 14. Class 14.

Ozone Company, Inc., New Orleans, La. Mineral water. 197,913; renewed Apr. 28, 1945. O. G. Aug. 14. Class 45.

Pacific Coast Borax Company, San Francisco, Calif., assignor to Pacific Coast Borax Company, New York, N. Y. Toilet and bath powder. 47,047; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 6.

Pacific Coast Condensed Milk Co., Seattle, Wash., assignor to Carnation Company, Wilmington, Del. Condensed milk. 47,080; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 46.

Parfums Ciro, Inc., New York, N. Y. Rouges. 415,686; Aug. 14. Serial No. 479,753; published May 22, 1945. Class 6.

Paris Medicine Co., St. Louis, Mo., assignor to The Grove Laboratories, Inc., Wilmington, Del. Antiseptic healing oil. 45,373; re-renewed Aug. 15, 1945. O. G. Aug. 14. Class 6.

Paris Medicine Co., St. Louis, Mo., assignor to The Grove Laboratories, Inc., Wilmington, Del. Chill-tonics. 46,394; re-renewed Sept. 19, 1945. O. G. Aug. 14. Class 6.

Parke, Davis & Company, Detroit, Mich. Hypnotic and sedative preparation. 415,663; Aug. 14; Serial No. 478,467; published May 29, 1945. Class 6.

Paul, Peter, Inc., Naugatuck, Conn. Candy. 415,750; Aug. 14; Serial No. 466,705; published Mar. 21, 1944. Class 46.

Penney, J. C., Company: *See*—
Jacob, H., & Sons, Inc., assignor.

Pennsylvania Silk Hosiery Mills, Inc., Bangor, Maine, assignor to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 197,838; re-renewed Apr. 28, 1945. O. G. Aug. 14. Class 39.

Pepsodent Co., The, Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass. Water soluble dentifrice ingredient. 415,620; Aug. 14; Serial No. 470,839; published May 29, 1945. Class 6.

Pet Milk Company, now by change of name Helvetia Milk Condensing Company Inc., assignor to Pet Milk Company, St. Louis, Mo. Evaporated milk. 203,043; renewed Sept. 8, 1945. O. G. Aug. 14. Class 46.

Phillips, Chas. H., Chemical Co., The, New York, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Medicinal tonic preparation. 47,029; re-renewed Oct. 17, 1945. O. G. Aug. 14. Class 6.

Phillips, F. G., Company: *See*—
Phillips, Fred G.

Phillips, Fred G., doing business as F. G. Phillips Company, Dedham, Mass. Liquid fertilizers. 415,652; Aug. 14; Serial No. 477,431; published May 29, 1945. Class 10.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Liniments to be applied externally. 415,658; Aug. 14; Serial No. 477,950; published May 22, 1945. Class 6.

Pierce, S. S., Co., Boston, Mass. Cigars. 204,467; renewed Oct. 20, 1945. O. G. Aug. 14. Class 17.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Diuretic and analgesic. 415,645; Aug. 14; Serial No. 476,881; published May 29, 1945. Class 6.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 415,724; Aug. 14. Class 46.

Pillsbury Flour Mills Company, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Pancake flour, enriched farina, hominy grits, etc. 415,772; Aug. 14; Serial No. 474,355; published June 5, 1945. Class 46.

Pillsbury Flour Mills Company, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Cake flour. 415,773; Aug. 14; Serial No. 474,359; published June 5, 1945. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pine Bros. Inc.: *See*—
Abraham & Straus, Inc., assignor.

Plough Chemical Company: *See*—
Stein, H. C., assignor.

Plough Chemical Company, doing business as The Ever-Ready Company, assignor to Plough Chemical Company, Memphis, Tenn., by change of name to Plough, Inc. Lubricating oil. 203,420; renewed Sept. 15, 1945. O. G. Aug. 14. Class 15.

Plough, Inc.: *See*—
Plough Chemical Company.
Stein, H. C.

Practical Publications, Inc., Indianapolis, Ind. Trade journal. 197,988; renewed Apr. 28, 1945. O. G. Aug. 14. Class 38.

Pratt, Tiley, Co., The, Essex, assignor, by mesne assignments, to The Torrington Company, Torrington, Conn. Steel spokes. 202,735; renewed Sept. 1, 1945. O. G. Aug. 14. Class 19.

Prefabrication Engineering Company, The, Portland, Oreg. Prefabricated houses, prefabricated wooden barracks, etc. 415,802; Aug. 14; Serial No. 497,727; published June 5, 1945. Class 12.

Pure Food Factory "Hansa", Mamaroneck, N. Y. Canned soup. 204,614; renewed Oct. 20, 1945. O. G. Aug. 14. Class 46.

Purolator Products, Inc., Newark, N. J. Air separators. 415,777; Aug. 14; Serial No. 475,165; published June 5, 1945. Class 23.

Radio Receptor Company, Inc., New York, N. Y. Radio receiving equipment and parts thereof. 204,658; renewed Oct. 20, 1945. O. G. Aug. 14. Class 21.

Rampel Chemical Co.: *See*—
Rampel, Leo J.

Rampel, Leo J., doing business as Rampel Chemical Co., Mount Vernon, N. Y. Water-repellent chemical composition. 415,695; Aug. 14; Serial No. 479,987; published May 22, 1945. Class 6.

Rawlings Manufacturing Company, St. Louis, Mo. Golf clubs, golf balls, golf bags, etc. 204,620; renewed Oct. 20, 1945. O. G. Aug. 14. Class 22.

Raybestos Company, The, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings and clutch linings. 202,762; renewed Sept. 1, 1945. O. G. Aug. 14. Class 35.

Raybestos-Manhattan, Inc.: *See*—
Raybestos Company, The, assignor.

Red Spot Paint & Varnish Co. Inc., Evansville, Ind. Quick drying plastic material. 415,669; Aug. 14; Serial No. 478,722; published May 15, 1945. Class 16.

Reduction and Refining Company: *See*—
Lasdon, Philip S.

Refined Products Company, Lyndhurst, N. J. Compound comprising a softening and finishing agent. 415,636; Aug. 14; Serial No. 475,466; published May 22, 1945. Class 6.

Reid, Murdoch & Co., Chicago, Ill. Pickles. 205,164; renewed Nov. 3, 1945. O. G. Aug. 14. Class 46.

Remington Rand Inc., Buffalo, N.Y. Blank and partially printed indexes, index cards, sheets etc. 415,765; Aug. 14; Serial No. 472,708; published June 5, 1945. Class 37.

Remington Rand Inc., Buffalo, N. Y. Card holding stands, desks and tables. 415,766; Aug. 14; Serial No. 472,709; published June 5, 1945. Class 32.

Remington Rand Inc., Buffalo, N. Y. Blank paper sheets. 415,767; Aug. 14; Serial No. 472,713; published June 5, 1945. Class 37.

Reymer & Brothers, Incorporated, Pittsburgh, Pa. Candy. 203,829; renewed Sept. 29, 1945. O. G. Aug. 14. Class 46.

Richards, W. E., Co., Attleboro, Mass. Jewelry for personal adornment. 415,665; Aug. 14; Serial No. 478,519; published May 29, 1945. Class 28.

Rietz, Carl A., doing business as Jos. Wagner Mfg. Co., San Francisco, Calif. Screw conveyor unit. 415,756; Aug. 14; Serial No. 469,653; published June 5, 1945. Class 23.

Rimbach, Richard, Pittsburgh, Pa. Publication, containing scientific and technical information. 415,827; Aug. 14. Class 38.

Risdon Manufacturing Company, The: *See*—
Consolidated Safety Pin Company.

Riverdale Products Company, Chicago, Ill. Meat scraps, digester tankage, and animal feeds. 202,683; renewed Sept. 1, 1945. O. G. Aug. 14. Class 46.

Riverside Heights Orange Growers Association, Riverside, Calif. Fresh citrous fruits. 204,643–4; renewed Oct. 20, 1945. O. G. Aug. 14. Class 46.

Robbins, Harry, doing business as The Robbins Wine Co., Mount Vernon, N. Y. Wines. 415,828; Aug. 14. Class 47.

Robbins Wine Co., The: *See*—
Robbins, Harry.

Robinson, C. D., Company, assignor to The Sparkle Sales Corporation, St. Paul, Minn. Granulated sugar, brown sugar, powdered sugar, etc. 203,947; renewed Sept. 29, 1945. O. G. Aug. 14. Class 46.

Robinson, C. D., Company, assignor, to The Sparkle Sales Corporation, St. Paul, Minn. Granulated sugar, brown sugar, powdered sugar, etc. 203,958; renewed Sept. 29, 1945. O. G. Aug. 14. Class 46.

Roddenbery, Walter B., to W. B. Roddenbery Company, Cairo, Ga., successor. Food sirup. 205,256; renewed Nov. 3, 1945. O. G. Aug. 14. Class 46.

Roddenbery, W. B., Company: *See*—
Roddenbery, Walter B.

Rosenfeld, Morris, doing business as Whittenton Garment Company, Taunton, Mass. Nurses' and maids' uniforms. 415,776; Aug. 14; Serial No. 474,963; published June 5, 1945. Class 39.

Ross, Ruth, New York, N. Y. Perfume. 415,670; Aug. 14; Serial No. 478,723; published May 22, 1945. Class 6.

Ross, Sydney, Co., The, Newark, N. J. General medicinal tonic. 204,303; renewed Oct. 13, 1945. O. G. Aug. 14. Class 6.

Roth Brothers & Company, Chicago, Ill. Electric generators. 205,467; renewed Nov. 10, 1945. O. G. Aug. 14. Class 21.

Ruberoid Co., The: *See*—
Standard Paint Company, The, assignor.

Russell & Erwin Manufacturing Company, assignor to The American Hardware Corporation, New Britain, Conn. Door fasteners, checks, locks, etc. 46,221; re-renewed Sept. 12, 1945. O. G. Aug. 14. Class 25.

Ryther, James P., doing business as Anginicide Company, Warren, Ohio. Medicinal preparation for the prevention of Vincent's angina, etc. 415,633; Aug. 14; Serial No. 474,710; published May 22, 1945. Class 6.

San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Cleansing tissue. 415,722; Aug. 14. Class 37.

Sargent, Mary E.: *See*—
Shedd, Freeman B.

Schaefer, F. & M., Brewing Co., The, New York, to The F. & M. Schaefer Brewing Co., Brooklyn, N. Y. Lager-beer. 45,690; re-renewed Aug. 29, 1945. O. G. Aug. 14. Class 48.

Schatz, Louis W., doing business as General Plastics Manufacturing Co., South Tacoma, Wash. Chemicals for impregnating fibrous products. 415,618; Aug. 14; Serial No. 470,044; published May 29, 1945. Class 6.

Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, etc. 415,627–8; Aug. 14; Serial Nos. 473,752–3; published May 22, 1945. Class 6.

Schlesinger, Maurice F., doing business as Bendiner & Schlesinger, assignor to Bendiner & Schlesinger, Inc., New York, N. Y. Medicine for coughs, colds, whooping cough, etc. 203,239; renewed Sept. 15, 1945. O. G. Aug. 14. Class 6.

Schmid, Julius, Inc.: *See*—
Hilsenbeck, Louis, assignor.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, panties, pajamas, etc. 415,803; Aug. 14; Serial No. 479,993; published May 29, 1945. Class 39.

Segal, George, doing business as George Segal Company, New York, N. Y. Wheat grits and wheat meal for use in brewing. 415,822; Aug. 14. Class 48.

Segal, George, Company: *See*—
Segal, George.

Sexton, John, & Co., Chicago, Ill. Laundry and toilet soap and soap chips. 197,599; renewed Apr. 21, 1945. O. G. Aug. 14. Class 4.

Sexton, John, & Co., Chicago, Ill. Coffee, tea, shredded coconut, etc. 197,743; renewed Apr. 21, 1945. O. G. Aug. 14. Class 46.

Shalwin Hosiery Mills: *See*—
Nathan, Barnard, Co.

Sharp & Dohme, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; and Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. General tonic. 200,943; renewed July 14, 1945. O. G. Aug. 14. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Shaw, Munson G., Co., New York, N. Y. Wines. 415,794; Aug. 14; Serial No. 478,833; published May 29, 1945. Class 47.

Shaw, Munson G., Co., New York, N. Y. Wines. 415,796; Aug. 14; Serial No. 478,936; published May 29, 1945. Class 47.

Shaw Publications, Inc., New York, N. Y. Title for a running article which describes items of merchandise. 415,788; Aug. 14; Serial No. 476,483; published June 5, 1945. Class 38.

Shedd, Freeman B., doing business as E. W. Hoyt & Co., to Mary E. Sargent, doing business as E. W. Hoyt & Co., Lowell, Mass., successor. Dentifrices. 46,144; re-renewed Sept. 5, 1945. O. G. Aug. 14. Class 6.

Shillito, John, Company, The, Cincinnati, Ohio. Curtains and draperies. 415,835; Aug. 14. Class 42.

Sibley, Edward L., Manufacturing Company, Bennington, Vt. Eyelets. 205,158; renewed Nov. 3, 1945. O. G. Aug. 14. Class 37.

Silverblu Mink Breeders Association, Elkhorn, Wis., now by change of name Mutation Mink Breeders Association. Mink pelts. 415,719; Aug. 14. Class 1.

Silverblu Mink Breeders Association, Elkhorn, Wis., now by change of name to Mutation Mink Breeders Association. Fur coats. 415,720; Aug. 14. Class 39.

Simon, Albert R., New York, N. Y. Ladies' handbags. 415,753; Aug. 14; Serial No. 468,164; published June 5, 1945. Class 3.

Simpson Spring Company, South Easton, Mass. Extracts, syrups, juices and tonics, etc. 46,410; re-renewed Sept. 19, 1945. O. G. Aug. 14. Class 45.

Simpson Spring Company, South Easton, Mass. Juices, extracts, syrups, tonics, etc. 46,411–2; re-renewed Sept. 19, 1945. O. G. Aug. 14. Class 45.

Simpson Spring Company, South Easton, Mass. Syrups, juices, extracts, and tonics. 46,432; re-renewed Sept. 19, 1945. O. G. Aug. 14. Class 45.

Simpson Spring Company, South Easton, Mass. Juices, extracts, syrups, etc. 46,668; re-renewed Oct. 3, 1945. O. G. Aug. 14. Class 45.

Simpson Spring Company, South Easton, Mass. Tonic beverage. 46,774; re-renewed Oct. 10, 1945. O. G. Aug. 14. Class 45.

Skinner, William, Manufacturing Co., Holyoke, assignor to William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Silk and satin piece goods, cotton-backed silks and satins, serges, etc. 46,210; re-renewed Sept. 12, 1945. O. G. Aug. 14. Class 42.

Skinner, William, & Sons: *See*—
Skinner, William, Manufacturing Co., assignor.

Société Anonyme des Etablissements Rouzaud "A la Marquise de Sévigné" Chocolat de Royat, to Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "A la Marquise de Sévigné," Royat, France. Pastes, powders, and liquids. 205,504; renewed Nov. 10, 1945. O. G. Aug. 14. Class 6.

Société Anonyme des Etablissements Rouzaud, Chocolat de Royat, "A la Marquise de Sévigné": *See*—
Société Anonyme des Etablissements Rouzaud, "A la Marquise de Sévigné" Chocolat de Royat.

Southworth Company, Mittineague, Mass., to Southworth Company, West Springfield, Mass. Writing-paper and envelopes. 47,084; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 37.

Sparkle Sales Corporation, The: *See*—
Robinson, C. D., Company, assignor.

Sparton Oil Company, Inc., Philadelphia, Pa., assignor, by mesne assignments, to Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oil, cylinder stock oil, stock blend oil, etc. 202,040; renewed Aug. 11, 1945. O. G. Aug. 14. Class 15.

Speedblok Corporation, Newark, N. J. Construction toys. 415,792; Aug. 14; Serial No. 478,477; published June 5, 1945. Class 22.

Sperry & Hutchinson Company, The, New York, N. Y. Bathing suits, sweaters; men's dress, negligee, work, and under shirts, etc., of knitted and textile fabrics, etc. 203,033; renewed Sept. 8, 1945. O. G. Aug. 14. Class 39.

Sprague, Warner & Co., Chicago, Ill., to Sprague, Warner-Kenny Corporation, Baltimore, Md., and Chicago, Ill., successor. Corn, tomatoes, peas, etc. 27,099; re-renewed Sept. 24, 1945. O. G. Aug. 14. Class 46.

Sprague, Warner-Kenny Corporation: *See*—
Sprague, Warner & Co.

Spring Lake Mink Farm, Racine, Wis. Live mink. 415,678; Aug. 14; Serial No. 479,362; published May 29, 1945. Class 1.

Stair, David, Inc., New York, N. Y. Ladies' and misses' handbags. 415,759; Aug. 14; Serial No. 470,841; published Aug. 1, 1944. Class 3.

Standard Oil Company of New Jersey: *See*—
Sparton Oil Company, Inc.

Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils. 415,698; Aug. 14; Serial No. 480,093; published May 29, 1945. Class 15.

Standard Paint Company, The, New York, N. Y., assignor to The Ruberoid Co., Bound Brook, N. J. and New York, N. Y. Case-lining, sheathing, insulating and roofing papers. 47,089; re-renewed Oct. 24, 1945. O. G. Aug. 14. Class 12.

Statton Furniture Manufacturing Company, The, Hagerstown, Md. Beds, dressers, chests, etc. 415,641; Aug. 14; Serial No. 476,311; published May 29, 1945. Class 32.

Stein, H. C., doing business as The Foot Products Co., New York, N. Y., assignor to Plough Chemical Company, Memphis, Tenn., by change of name to Plough, Inc. Foot toilet powders. 203,278; renewed Sept. 15, 1945. O. G. Aug. 14. Class 6.

Steinbach, Samuel, doing business as Madera Bonded Wine & Liquor Company, Baltimore, Md. Brandies, cordials, eggnogs, etc. 415,831; Aug. 14. Class 49.

Sterling Drug Inc.: *See*—
California Fig Syrup Co., assignor.
Phillips, Chas. H., Chemical Co., The, assignor.

Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to Stifel, J. L., & Sons, Inc. Cotton piece goods. 205,227; renewed Nov. 3, 1945. O. G. Aug. 14. Class 42.

Stifel, J. L., & Sons, Wheeling, W. Va., by change of name to J. L. Stifel & Sons, Inc. Clothing. 204,786; renewed Oct. 27, 1945. O. G. Aug. 14. Class 39.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Streator Brick Company, Streator, Ill. Bricks. 204,636; renewed Oct. 20, 1945. O. G. Aug. 14. Class 12.

Stuart-Chase Co., North Bergen, N. J. Athletic supporters, suspensories, syringes, etc. 415,787; Aug. 14; Serial No. 476,449; published June 5, 1945. Class 44.

Swamp and Dixie Laboratories, Inc.: *See*—
Cruce, J. Lee, Co.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Chemical compounds. 415,671; Aug. 14; Serial No. 478,980; published May 22, 1945. Class 6.

Tennessee Coal, Iron & Railroad Company, by merger to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Phosphate. 199,401; renewed June 9, 1945. O. G. Aug. 14. Class 6.

Tennessee Coal, Iron & Railroad Company: *See*—
Tennessee Coal, Iron & Railroad Company.

Thomas, Arthur C., doing business as The Thomas Bait Can Company, Lake Geneva, Wis. Fishing bait buckets. 415,714; Aug. 14; Serial No. 480,932; published May 29, 1945. Class 22.

Thomas Bait Can Company, The: *See*—
Thomas, Arthur C.

Thomlinson, William, Limited, Partrick, Glasgow, Scotland. Footballs (association and Rugby) and football covers. 204,683; renewed Oct. 20, 1945. O. G. Aug. 14. Class 22.

Time Oil Co., Seattle, Wash. Cabinets. 415,789; Aug. 14; Serial No. 477,383; published June 5, 1945. Class 32.

Tingue, Brown & Co., New York, N. Y. Woven cotton padding for laundry-machinery rolls. 204,554; renewed Oct. 20, 1945. O. G. Aug. 14. Class 42.

Tioga Mills Inc.: *See*—
Empire Grain & Elevator Company.

Torriano Pipe Works Limited, London, England, by change of name to The Druid Pipe Works Limited. Tobacco pipes. 196,269; re-renewed Mar. 17, 1945. O. G. Aug. 14. Class 8.

Torrington Company, The: *See*—
Pratt, Tiley, Co., The, assignor.

Traub, Lyons, Oppenheim, Inc., New York, N. Y. Piece goods of rayon and mixtures of rayon and cotton. 415,700; Aug. 14; Serial No. 480,149; published May 22, 1945. Class 42.

Trojan Products & Mfg. Co., Chicago, Ill. Cleaning compound. 415,615; Aug. 14; Serial No. 466,905; published May 22, 1945. Class 4.

Tru-Test: *See*—
Oakes & Co.

Turk, Jack, & Co., New York, N. Y. Infants' comforters 415,823; Aug. 14. Class 42.

Tutt, Dr., Company: *See*—
Good, Harry H.
Tutt, Dr., Mfg. Co.

Tutt, Dr. Mfg. Co.: *See*—
Good, Harry H.

Tutt, Dr., Mfg. Co., assignor, by mesne assignments, to Mabel Emmons Good, trustee, doing business as Dr. Tutt Company, New York, N. Y. Liver pills. 45,691; re-renewed Aug. 29, 1945. O. G. Aug. 14. Class 6.

Underwood Corporation: *See*—
Underwood Elliott Fisher Company.

Underwood Elliott Fisher Company, New York, N. Y., now by change of name to Underwood Corporation. Packs of carbon material in the form of a sheet or sheets. 415,616; Aug. 14; Serial No. 468,212; published May 29, 1945. Class 11.

Union Carbide and Carbon Corporation: *See*—
Oxweld Acetylene Company, assignor.

United Oil Company, Pittsburgh, Pa. Lubricating oils and greases. 203,352; renewed Sept. 15, 1945. O. G. Aug. 14. Class 15.

United States Playing Card Company, The: *See*—
United States Playing Card Co., The, assignor.

United States Playing Card Co., The, Cincinnati, assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 46,674; re-renewed Oct. 3, 1945; O. G. Aug. 14. Class 22.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 204,255; renewed Oct. 13, 1945. O. G. Aug. 14. Class 22.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Surface coatings. 415,748; Aug. 14; Serial No. 465,094; published June 5, 1945. Class 21.

United States Rubber Company, New York, N. Y. Fabrics coated with water-proofing materials. 415,694; Aug. 14; Serial No. 479,958; published May 29, 1945. Class 42.

U. S. School of Music, New York, N. Y. Instruction pamphlets and other musical publications. 415,797; Aug. 14; Serial No. 479,055; published June 5, 1945; Class 38.

Unterman, Sigmund, doing business as Meridan Products Company, New York, N. Y. Telephone shelves. 415,706; Aug. 14; Serial No. 480,484; published May 29, 1945. Class 32.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., to Valvoline Oil Company, Edgewater, N. J. Lubricating and illuminating oils. 204,761; renewed Oct. 27, 1945. O. G. Aug. 14. Class 15.

Vanisorb Laboratories: *See*—
Giaimo, Thomas C.

Wagner, Jos., Mfg. Co.: *See*—
Rietz, Carl A.

Waite Carpet Co., Oshkosh, Wis. Floor rugs made of fabric. 204,524; renewed Oct. 20, 1945. O. G. Aug. 14. Class 42.

Wakefield, J. W., Acampo, Calif. Mineral water. 415,820; Aug. 14; Serial No. 481,870; published June 5, 1945. Class 45.

Walgreen Co., Chicago, Ill. Writing paper and envelopes. 415,843–4; Aug. 14. Class 37.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Footballs, handballs, basket balls, etc. 204,208–10; renewed Oct. 13, 1945. O. G. Aug. 14. Class 22.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation. 204,706; renewed Oct. 20, 1945. O. G. Aug. 14. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation. 204,914; renewed Oct. 27, 1945. O. G. Aug. 14. Class 6

Warner, William R., & Co., Inc., New York, N. Y. Antipyretic, analgesic, antirheumatic, etc. 415,644; Aug. 14; Serial No. 476,824; published May 29, 1945. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation. 415,712; Aug. 14; Serial No. 480,809; published May 29, 1945. Class 6.

Washburn-Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Cereal breakfast food products. 201,543; renewed July 28, 1945. O. G. Aug. 14. Class 46.

Waterman, E. G., & Company, New York, N. Y. Fishermen's sheath knives. 415,782; Aug. 14; Serial No. 475,822; published June 5, 1945. Class 23.

Waters-Genter Co., Minneapolis, Minn., assignor to McGraw Electric Company, Elgin, Ill. Electric toasters. 203,941; renewed Sept. 29, 1945. O. G. Aug. 14. Class 21.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. Disinfectants. 45,143; re-renewed Aug. 8, 1945. O. G. Aug. 14. Class 6.

West Point Lawn Products, West Point, Pa. Liquid manure. 415,687; Aug. 14; Serial No. 479,761; published May 29, 1945. Class 10.

White, Malcolm R., Nyack, N. Y. Electrical wires and cables. 415,775; Aug. 14; Serial No. 474,841; published Dec. 5, 1944. Class 21.

White Rock Corporation: *See*—
White Rock Mineral Springs Company.

White Rock Mineral Springs Company, Waukesha, Wis., assignor to White Rock Corporation, New York, N. Y. 205,356; renewed Nov. 3, 1945. O. G. Aug. 14. Class 45.

Whitney Mfg. Co., Whitney, S. C., assignor to Deering Milliken & Co. Inc., New York, N. Y. Cotton piece goods. 204,445–6; renewed Oct. 20, 1945. O. G. Aug 14. Class 42.

Whittenton Garment Company: *See*—
Rosenfeld, Morris.

Williams Company, The, London, Ohio. Steel wool. 204,736; renewed Oct. 27, 1945. O. G. Aug. 14. Class 4.

Williams, R. C., & Co., assignor to R. C. Williams & Company, Inc., New York, N. Y. Dried fruits and dried berries. 44,780; re-renewed July 25, 1945. O. G. Aug. 14. Class 46.

Williams, R. C., & Co., assignor to R. C. Williams & Company, Inc., New York, N. Y. Dried fruits and dried berries. 45,025; re-renewed Aug. 1, 1945. O. G. Aug 14. Class 46.

Williams, R. C., & Co., assignor to R. C. Williams & Company, Inc., New York, N. Y. Fruits and vegetables hermetically sealed in tins and glass. 46,246; re-renewed Sept. 12, 1945. O. G. Aug. 14. Class 46.

Williams, R. C., & Company, Inc.: *See*—
Williams, R. C., & Co., assignor.

Williams, R. C., & Company, Inc., New York, N. Y. Canned salmon, tunny fish, sardines, and herring roe, and dried codfish. 202,484; renewed Aug. 25, 1945. O. G. Aug. 14. Class 46.

Wilson, Frank M., Company: *See*—
Neuhoff, Fred B., assignor.

Wolf & Lang, Inc., New York, N. Y. Shirred ribbon elastic, narrow cotton and silk elastic, braids, etc. 198,094; renewed May 5, 1945. O. G. Aug. 14. Class 40.

Worcester Post Company, assignor to Worcester Telegram Publishing Co. Inc., Worcester, Mass. Newspaper published daily. 205,258; renewed Nov. 3, 1945. O. G. Aug. 14. Class 38.

Worcester Telegram Publishing Co. Inc.: *See*—
Worcester Post Company.

Wright's Underwear Company, Inc.: *See*—
Glastonbury Knitting Company.

Wyeth Incorporated, Philadelphia, Pa. Medicinal preparation. 415,690; Aug. 14; Serial No. 479,828; published May 22, 1945. Class 6.

Zurn, O. F., Company, Incorporated, Philadelphia, Pa. Oils for lubricating yarns. 205,654; renewed Nov. 10, 1945. O. G. Aug. 14. Class 6.

Zurn, O. F., Company, Inc., Philadelphia, Pa. Chemical for softening and finishing cotton or mercerized hosiery, a silk thread softener, etc. 205,660; renewed Nov. 10, 1945. O. G. Aug. 14. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Kearns Coal Company. 205,602; renewed Nov. 10, 1945. O. G. Aug. 14.

Cotton waste. Kilburn Mill. 205,494; renewed Nov. 10, 1945. O. G. Aug. 14.

Cotton waste. Kilburn Mill. 205,587–92; renewed Nov. 10, 1945. O. G. Aug. 14.

Cotton waste. Kilburn Mill. 205,597–601; renewed Nov. 10, 1945. O. G. Aug. 14.

Isinglass, Fish. American Glue Company. 197,945; renewed Apr. 28, 1945. O. G. Aug. 14.

Material, Structural reinforcing or stiffening. Firestone Tire & Rubber Company. 415,680; Aug. 14; Serial No. 479,513; published May 29, 1945.

Mink, Live. Spring Lake Mink Farm. 415,678; Aug. 14; Serial No. 479,362; published May 29, 1945.

Pelts. Mink. Silverblu Mink Breeders Association. 415,719; Aug. 14.

CLASS 2

Bags. Fulton Bag & Cotton Mills. 46,109; re-renewed Sept. 5, 1945. O. G. Aug. 14.

Bags, Paper. Anchor Paper Company. 204,875; renewed Oct. 27, 1945. O. G. Aug. 14.

Cans, railroad milk cans, milk pails, Cream cooling, etc. Oakes & Co. 415,733; Aug. 14.

Tubes. Cambridge Paper Box Company. 415,721; Aug. 14.

CLASS 3

Handbags, Ladies'. A. R. Simon. 415,753; Aug. 14; Serial No. 468,164; published June 5, 1945.

Handbags, Ladies' and misses'. David Stair, Inc. 415,759; Aug. 14; Serial No. 470,841; published Aug. 1, 1944.

Saddles, for horses, harnesses, heads and reins, horse collars, martingales, etc. George Lawrence Co. 415,726; Aug. 14.

Saddles for horses, heads and reins, horse collars, etc. George Lawrence Co. 415,725; Aug. 14.

CLASS 4

Abrasive products, Coated. Armour and Company. 415,625; Aug. 14; Serial No. 473,405; published May 29, 1945.

Cleaning compound. Trojan Products & Mfg. Co. 415,615; Aug. 14; Serial No. 466,905; published May 22, 1945.

Cleaning compound, Liquid. E. A. Gerlach Company. 415,673; Aug. 14; Serial No. 479,118; published May 29, 1945.

Hand rubbing compounds, road scum remover, machine polishing compound, etc. H. J. McAleer. 415,657; Aug. 14; Serial No. 477,939; published May 29, 1945.

Laundry detergent. Diamond Alkali Company. 415,659; Aug. 14; Serial No. 478,038; published May 29, 1945.

Laundry detergent. Diamond Alkali Company. 415,660; Aug. 14; Serial No. 478,040; published May 29, 1945.

Polish and dressing, Shoe. I. Miller & Sons, Inc. 204,726; renewed Oct. 27, 1945. O. G. Aug. 14.

Polishes and polishing cloths, Leather, metal and boot and shoe. Nugget Polish Company of New York Limited. 415,646; Aug. 14; Serial No. 476,980; published May 29, 1945.

Soap. Bugler Brand and Agencies Limited. 415,666; Aug. 14; Serial No. 478,538; published May 29, 1945.

Soap. R. E. Hulbert. 415,689; Aug. 14; Serial No. 479,798; published May 29, 1945.

Soap and soap chips, Laundry and toilet. John Sexton & Co. 197,599; renewed Apr. 21, 1945. O. G. Aug. 14.

Soap, castile soap, and laundry soap, etc., Toilet. Harris Soap Company. 204,756; renewed Oct. 27, 1945. O. G. Aug. 14.

Steel, wool. Williams Company. 204,736; renewed Oct. 27, 1945. O. G. Aug. 14.

Washing liquid, Antiseptic. H. Kohnstamm & Co., Inc. 205,329; renewed Nov. 3, 1945. O. G. Aug. 14.

CLASS 6

Antipyretic, analgesic, antirheumatic, etc. William R. Warner & Co., Inc. 415,644; Aug. 14; Serial No. 476,824; published May 29, 1945.

Antiseptic healing-oil. Paris Medicine Co. 45,373; re-renewed Aug. 15, 1945. O. G. Aug. 14.

Base material for pharmaceutical and cosmetic creams. T. C. Giaimo. 415,684; Aug. 14; Serial No. 479,674; published May 29, 1945.

Bleach, Liquid. H. Kohnstamm & Co., Inc. 415,711; Aug. 14; Serial No. 480,665; published May 22, 1945.

Blood-purifier, Vegetable. W. S. Burkhart. 415,661; Aug. 14; Serial No. 478,108; published May 29, 1945.

Chemical adjuvants. Monsanto Chemical Company. 415,693; Aug. 14; Serial No. 479,892; published May 29, 1945.

Chemical composition, Aromatic organic. P. T. Gidley. 415,685; Aug. 14; Serial No. 479,711; published May 22, 1945.

Chemical composition, Water-repellent. L. J. Rampel. 415,695; Aug. 14; Serial No. 479,987; published May 22, 1945.

Chemical compounds. S. H. Lunt. 415,624; Aug. 14; Serial No. 473,321; published May 22, 1945.

Chemical compounds. Sylvania Industrial Corporation. 415,671; Aug. 14; Serial No. 478,980; published May 22, 1945.

Chemical compounds, preparations and powders. E. A. Brown. 415,643; Aug. 14; Serial No. 476,594; published May 22, 1945.

Chemical for softening and finishing cotton or mercerized hosiery, a silk thread softener, etc. O. F. Zurn Company, Inc. 205,660; renewed Nov. 10, 1945. O. G. Aug. 14.

Chemicals for impregnating fibrous products. L. W. Schatz. 415,618; Aug. 14; Serial No. 470,044; published May 29, 1945.

Chill-tonics. Paris Medicine Co. 46,394; re-renewed Sept. 19, 1945. O. G. Aug. 14.

Compositions for use in carbonizing wool, for protecting wool fabrics against injurious effects during dyeing, etc. H. A. Metz & Co., Inc. 203,182; renewed Sept. 15, 1945. O. G. Aug. 14.

Compound comprising a softening and finishing agent. Refined Products Company. 415,636; Aug. 14; Serial No. 475,466; published May 22, 1945.

Compounds for treating hemorrhoids. J. Lowenthal. 204,889; renewed Oct. 27, 1945. O. G. Aug. 14.

Compounds used as vulcanization accelerators. Monsanto Chemical Company. 415,692; Aug. 14; Serial No. 479,891; published May 29, 1945.

Cosmetic preparation. M. Bialac. 415,701; Aug. 14; Serial No. 480,156; published May 22, 1945.

Cosmetic preparation. M. Bialac. 415,702–3; Aug. 14; Serial Nos. 480,159–60; published May 22, 1945.

Dentifrice ingredient, Water soluble. Pepsodent Co. 415,620; Aug. 14; Serial No. 470,839; published May 29, 1945.

Dentifrices. F. B. Shedd. 46,144; re-renewed Sept. 5, 1945. O. G. Aug. 14.

Dietary supplement. Oxford Products, Inc. 415,664; Aug. 14; Serial No. 478,517; published May 22, 1945.

Disinfectants. West Disinfecting Company. 45,143; re-renewed Aug. 8, 1945. O. G. Aug. 14.

Diuretic and analgesic. Pierce's Proprietaries, Inc. 415,645; Aug. 14; Serial No. 476,881; published May 29, 1945.

Eau de cologne. McCambridge and McCambridge Co. 415,708; Aug. 14; Serial No. 480,546; published May 29, 1945.
Face powders, face creams, face packs, etc. Lightfoot Schultz Company. 204,910; renewed Oct. 27, 1945. O. G. Aug. 14.
Gum, Medicinal chewing. National Agrol Company. 415,649–50; Aug. 14; Serial Nos. 477,364–5; published May 22, 1945.
Hair dressing composition, Liquid. B. Klein. 415,713; Aug. 14; Serial No. 480,869; published May 29, 1945.
Hypnotic and sedative preparation. Parke, Davis & Company. 415,663; Aug. 14; Serial No. 478,467; published May 29, 1945.
Laxative. Katz Drug Company. 415,705; Aug. 14; Serial No. 480,458; published May 22, 1945.
Laxatives. Foster-Milburn Co. 46,552; re-renewed Sept. 26, 1945. O. G. Aug. 14.
Liniments to be applied externally. Phillips Pharmaceutical Products, Inc. 415,658; Aug. 14; Serial No. 477,950; published May 22, 1945.
Medical preparations. Maltine Company. 46,880; re-renewed Oct. 10, 1945. O. G. Aug. 14.
Medication consisting of purified solution of liver thiemine hydrochloride. Lakeside Laboratories, Inc. 415,704; Aug. 14; Serial No. 480,333; published May 22, 1945.
Medicinal preparation. William R. Warner & Co., Inc. 20,706; renewed Oct. 20, 1945. O. G. Aug. 14.
Medicinal preparation. William R. Warner & Co., Inc. 204,914; renewed Oct. 27, 1945. O. G. Aug. 14.
Medicinal preparation. William R. Warner & Co., Inc. 415,712; Aug. 14; Serial No. 480,809; published May 29, 1945.
Medicinal preparation. Wyeth Incorporated. 415,690; Aug. 14; Serial No. 479,828; published May 22, 1945.
Medicinal preparation for the prevention of Vincent's angina, etc. J. P. Ryther. 415,633; Aug. 14; Serial No. 474,710; published May 22, 1945.
Medicine. Anasarcin Chemical Company. 46,870; re-renewed Oct. 10, 1945. O. G. Aug. 14.
Medicine for coughs, colds, whooping cough, etc. M. F. Schlesinger. 203,239; renewed Sept. 15, 1945. O. G. Aug. 14.
Oils for lubricating yarns. O. F. Zurn Company, Incorporated. 205,654; renewed Nov. 10, 1945. O. G. Aug. 14.
Ointments and preparations employing oils, butters, glycerin, and other viscous or jelly-like substances. Norwich Pharmacal Company. 46,159; re-renewed Sept. 5, 1945. O. G. Aug. 14.
Pastes, powders, and liquids. Société Anonyme des Etablissements Rouzaud "A la Marquise de Sévigné" Chocolat de Royat. 205,504; renewed Nov. 10, 1945. O. G. Aug. 14.
Perfume. R. Ross. 415,670; Aug. 14. Serial No. 478,723; published May 22, 1945.
Perfume, toilet water, face powder, etc. Lentheric, Inc. 204,699; renewed Oct. 20, 1945. O. G. Aug. 14.
Perfumes. Janlen Products. 415,681; Aug. 14; Serial No. 479,518; published May 22, 1945.
Perfumes, colognes, and sachet. House of Maxime Inc. 415,691; Aug. 14; Serial No. 479,878; published May 29, 1945.
Perfumes, face powder, talcum powder, etc. Ludwig Scherk, Inc. 415,627–8; Aug. 14; Serial Nos. 473,752–3; published May 22, 1945.
Phosphate. Tennessee Coal, Iron & Railroad Company. 199,401; renewed June 9, 1945. O. G. Aug. 14.
Pills for treating cold in the head, jelly for treatment of catarrh, vermin eradicator, etc. Hayunga's Pharmacy and Dundas Drug Company. 205,547; renewed Nov. 10, 1945. O. G. Aug. 14.
Pills, Liver. Dr. Tutt Mfg. Co. 45,691; re-renewed Aug. 29, 1945. O. G. Aug. 14.
Pills, Liver. H. H. Good. 197,484; renewed Apr. 21, 1945. O. G. Aug. 14.
Powder, Headache, fever, and pain. J. Lee Cruce Co. 45,209; re-renewed Aug. 8, 1945. O. G. Aug. 14.
Powder, Toilet. Associated Merchandising Corporation. 204,988; renewed Oct. 27, 1945. O. G. Aug. 14.
Powder, Toilet and bath. Pacific Coast Borax Company. 47,047; re-renewed Oct. 24, 1945. O. G. Aug. 14.
Powders, Foot toilet. H. C. Stein. 203,278; renewed Sept. 15, 1945. O. G. Aug. 14.
Preparation for the relief of headache, neuralgia, colds, grippe, etc. D. P. Amo & Company. 204,560; renewed Oct. 20, 1945. O. G. Aug. 14.
Preparation for the treatment of asthma. J. K. Brater. 205,250; renewed Nov. 3, 1945. O. G. Aug. 14.
Preservatives (a liquid chemical), Wood. W. P. Fuller & Co. 205,621; renewed Nov. 10, 1945. O. G. Aug. 14.
Product for weighting and adding body to silk. Onyx Oil & Chemical Company. 205,262; renewed Nov. 3, 1945. O. G. Aug. 14.
Products containing colloidal sulphur. McInerny Laboratory. 415,642; Aug. 14; Serial No. 476,334; published May 22, 1945.
Purgative compounds, Liquid. California Fig Syrup Co. 46,827; re-renewed Oct. 10, 1945. O. G. Aug. 14.
Remedies for the treatment of rheumatic and gouty affections. Heilkraft Medical Co. 204,891; renewed Oct. 27, 1945. O. G. Aug. 14.
Rouges. Parfums Ciro, Inc. 415,686; Aug. 14; Serial No. 479,753; published May 22, 1945.
Tablets for constipation. L. A. Gross. 204,744; renewed Oct. 27, 1945. O. G. Aug. 14.
Tablets or capsules for pains in the head. L. A. Gross. 204,745; renewed Oct. 27, 1945. O. G. Aug. 14.
Tonic, General. Sharp & Dohme. 200,943; renewed July 14, 1945. O. G. Aug. 14.
Tonic, General medicinal. Sydney Ross Co. 204,303; renewed Oct. 13, 1945. O. G. Aug. 14.
Tonic, Hair. Herpicide Company. 201,106; renewed July 21, 1945. O. G. Aug. 14.
Tonic, Hair. D. E. McCaskill. 415,640; Aug. 14; Serial No. 476,256; published May 22, 1945.
Tonic Preparation, Medicinal. Chas. H. Phillips Chemical Co. 47,209; re-renewed Oct. 17, 1945. O. G. Aug. 14.
Turpentine for medicinal use, Spirits. N. F. Ames & Co. 197,179; renewed Apr. 14, 1945. O. G. Aug. 14.
Wash, Mouth. Abraham & Straus, Inc. 204,939; renewed Oct. 27, 1945. O. G. Aug. 14.
Worm-powders. A. S. Olmstead. 27,040; re-renewed Sept. 3, 1945. O. G. Aug. 14.

CLASS 8

Pipes, Tobacco. Torriano Pipe Works Limited. 196,269; renewed Mar. 17, 1945. O. G. Aug. 14.

CLASS 9

Matches. America's Own Match Company. 415,696; Aug. 14; Serial No. 480,006; published May 29, 1945.
Shotguns, rifles, air rifles, etc. Oakes & Co. 415,735; Aug. 14.

CLASS 10

Fertilizers. Old Gardener Products Limited. 415,622; Aug. 14; Serial No. 472,576; published May 29, 1945.
Fertilizers, Liquid. F. G. Phillips. 415,652; Aug. 14; Serial No. 477,431; published May 29, 1945.
Manure, Liquid. West Point Lawn Products. 415,687; Aug. 14; Serial No. 479,761; published May 29, 1945.

CLASS 11

Inks; coatings and varnishes, etc., Rotogravure. S. T. Kantor. 415,674–6; Aug. 14; Serial Nos. 479,179–81; published May 29, 1945.
Packs of carbon material in the form of a sheet or sheets. Underwood Elliott Fisher Company. 415,616; Aug. 14; Serial No. 468,212; published May 29, 1945.

CLASS 12

Asbestos compounds. J. E. Harris Company. 201,766–7; renewed Aug. 4, 1945. O. G. Aug. 14.
Asbestos compounds. J. E. Harris Company. 202,050; renewed Aug. 11, 1945. O. G. Aug. 14.
Brick. Acme Brick Company. 203,673; renewed Sept. 22, 1945. O. G. Aug. 14.
Brick. Jewettville Clay Products Company, Inc. 203,687; renewed Sept. 22, 1945. O. G. Aug. 14.
Bricks. Streator Brick Company. 204,636; renewed Oct. 20, 1945. O. G. Aug. 14.
Bricks, blocks and shapes, and refractory cement, Refractory. Joseph Dixon Crucible Company. 415,768; Aug. 14; Serial No. 472,803; published June 5, 1945.
Cotton heat and sound insulating material, Fibrous. Gilman Brothers Co. 415,613; Aug. 14; Serial No. 466,257; published July 25, 1944.
Houses, prefabricated wooden barracks, etc., Prefabricated. Prefabrication Engineering Company, The. 415,802; Aug. 14; Serial No. 479,727; published June 5, 1945.
Linings of insulating material. Keystone Hair Insulator Company. 46,333–7; re-renewed Sept. 12, 1945. O. G. Aug. 14.
Papers, Case-lining, sheathing, insulating and roofing. Standard Paint Company. 47,089; renewed Oct. 24. 1945. O. G. Aug. 15.
Plaster of calcined gypsum, Molding or casting. Certain-teed Products Corporation. 415,821; Aug. 14.
Plywood. Douglas Fir Plywood Association. 415,785; Aug. 14; Serial No. 476,242; published June 5, 1945.
Shingles, Mineral surfaced asphalt. Globe Roofing Products Co., Inc. 415,729; Aug. 14.
Stacks and chimney sections. Midland Refractories Corporation. 415,754; Aug. 14; Serial No. 468,388; published June 5, 1945.

CLASS 13

Cooking utensils, Aluminum and iron. Griswold Manufacturing Company. 205,244; renewed Nov. 3, 1945. O. G. Aug. 14.
Cover and plate. Kromex Corporation. 415,741; Aug. 14.
Inserts, nuts and screws, Thread. Eaton Manufacturing Company. 415,826; Aug. 14.
Screws, washer head screws, machine screws, etc., Wood. Elco Tool and Screw Corporation. 204,820; renewed Oct. 27, 1945. O. G. Aug. 14.
Tank balls. American Rubber Products Corporation. 203,750; renewed Sept. 22, 1945. O. G. Aug. 14.
Welded fittings for connecting pipes to tanks, other pipes, etc. Metropolitan Welding Fabricators, Inc. 415,740; Aug. 14.

CLASS 14

Alloy, White bronze. Olds Alloys Co. 415,668; Aug. 14; Serial No. 478,720; published May 29, 1945.
Aluminothermic compositions. Metal & Thermit Corporation. 415,638; Aug. 14; Serial No. 476,026; published May 15, 1945.
Bars, steel plates and steel sheets, Steel. Henry Disston & Sons, Incorporated. 415,653–4; Aug. 14; Serial Nos. 477,559–60; published May 22, 1945.
Forgings, Unfinished, partly finished and semifabricated. Kropp Forge Aviation Co. 415,635; Aug. 14; Serial No. 475,256; published May 8, 1945.
Ingots, castings, forgings and unfinished machine parts. Ampo Metal, Inc. 415,617; Aug. 14; Serial No. 468,937; published May 29, 1945.
Rods, Welding. Oxweld Acetylene Company. 203,925; renewed Sept. 29, 1945. O. G. Aug. 14.
Steel plate and steel ingots. Kaiser Company, Inc. 415,716; Aug. 14.
Tungsten metal powders, Hydrogen reduced. P. S. Ladson. 415,682; Aug. 14; Serial No. 479,579; published May 15, 1945.

CLASS 15

Liquid composition. American Chemical Paint Company. 415,656; Aug. 14; Serial No. 477,731; published May 22, 1945.
Oil composition. Alox Corporation. 415,610; Aug. 14; Serial No. 460,131; published June 27, 1944.
Oil, cylinder stock oil, stock blend oil, etc., Lubricating. Sparton Oil Company, Inc. 202,040; renewed Aug. 11, 1945. O. G. Aug. 14.
Oil, Lubricating. Plough Chemical Company. 203,420; renewed Sept. 15, 1945. O. G. Aug. 14.
Oils and greases, Lubricating. United Oil Company. 203,352; renewed Sept. 15, 1945. O. G. Aug. 14.
Oils and greases, penetrating oil, kerosene and gasoline, Lubricating. Oakes & Co. 415,736; Aug. 14.
Oils, and lubricating greases, Refined and unrefined. Humble Oil & Refining Company. 203,243; renewed Sept. 15, 1945. O. G. Aug. 14.
Oils, Lubricating. Standard Oil Company of New Jersey. 415,698; Aug. 14; Serial No. 480,093; published May 29, 1945.
Oils, Lubricating and illuminating. Valvoline Oil Company. 204,761; renewed Oct. 27, 1945. O. G. Aug. 14.

CLASS 16

Cleaning and polishing preparation for floors, Combined. Carsello Chemical Products. 415,629; Aug. 14; Serial No. 474,226; published May 15, 1945.
Liquid preparation. Barrymore Carpet Corp. 415,623; Aug. 14; Serial No. 473,243; published May 29, 1945.
Paint. A. F. Christman. 415,651; Aug. 14; Serial No. 477,402; published May 15, 1945.
Paint enamels. Evercrete Corporation. 415,745; Aug. 14.
Paints, Liquid ready-mixed. James F. Kurfees Paint Co. 47,075; re-renewed Oct. 24, 1945. O. G. Aug. 14.
Plastic material, Quick drying. Red Spot Paint & Varnish Co. Inc. 415,669; Aug. 14; Serial No. 478,722; published May 15, 1945.
Polish for hard wood surface, furniture and automobiles. Brillo Manufacturing Company. 203,380; renewed Sept. 15, 1945. O. G. Aug. 14.
Powder to be mixed with water to form a paint-like substance. Marquette Manufacturing Co. Inc. 415,723; Aug. 14.
Varnishes. American Varnish Company. 47,126–7; re-renewed Oct. 24, 1945. O. G. Aug. 14.
Waterproofing compounds. Oronite Chemical Company. 415,631–2; Aug. 14; Serial Nos. 474,503–4; published May 29, 1945.
Wax and liquid polish and cleaner. Oakes & Co. 415,734; Aug. 14.
Wax, Powdered. C-Z Chemical Company. 415,688; Aug. 14; Serial No. 479,769; published May 15, 1945.

CLASS 17

Cigarettes. Ko Wah Lum. 415,621; Aug. 14; Serial No. 471,121; published May 29, 1945.
Cigars. S. S. Pierce Co. 204,467; renewed Oct. 20, 1945. O. G. Aug. 14.

CLASS 19

Airplanes and structural parts therefor. Lockheed Aircraft Corporation. 415,798; Aug. 14; Serial No. 479,133; published June 5, 1945.
Cars, Motor. Autocar Company. 46,992; re-renewed Oct. 17, 1945. O. G. Aug. 14.
Curtains and parts thereof. Excel Corporation. 415,790; Aug. 14; Serial No. 477,499; published June 5, 1945.
Spokes, Steel. Tiley Pratt Co. 202,735; renewed Sept. 1, 1945. O. G. Aug. 14.

CLASS 21

Batteries and primary cells, Dry. P. R. Mallory & Co., Inc. 415,795; Aug. 14; Serial No. 478,884; published June 5, 1945.
Batteries, Dry. Manhattan Electrical Supply Company, Inc. 204,426; renewed Oct. 20, 1945. O. G. Aug. 14.
Battery flashlights and casings therefor. National Carbon Company, Inc. 204,174; renewed Oct. 13, 1945. O. G. Aug. 14.
Coils and transformers, Electrical. Gramer Company. 415,813; Aug. 14; Serial No. 480,864; published June 5, 1945.
Electric generators. Roth Brothers & Company. 205,467; renewed Nov. 10, 1945. O. G. Aug. 14.
Electric loud speakers and electric chime signals. Nutone, Incorporated. 415,770; Aug. 14; Serial No. 473,832; published June 5, 1945.
Electric starting apparatus, electric lighting apparatus, and electric motors, etc. North East Electric Company. 205,542; renewed Nov. 10, 1945. O. G. Aug. 14.
Electric toasters. Waters-Genter Co. 203,941; renewed Sept. 29, 1945. O. G. Aug. 14.
Insulation material, Electrical. Dobeckmun Company. 415,812; Aug. 14; Serial No. 480,695; published June 5, 1945.
Mechanisms and automatic circuit breakers equipped with time-limit mechanisms, Time-limit. Cutter Electrical and Manufacturing Company. 205,289; renewed Nov. 3, 1945. O. G. Aug. 14.
Radio receiving equipment and parts thereof. Radio Receptor Company, Inc. 204,658; renewed Oct. 20, 1945. O. G. Aug. 14.
Surface coatings. United States Quarry Tile Company. 415,748; Aug. 14; Serial No. 465,094; published June 5, 1945.
Wires and cables, Electrical. M. R. White. 415,775; Aug. 14; Serial No. 474,841; published Dec. 5, 1944.

CLASS 22

Balls, Billiard and pocket-billiard. Brunswick-Balke-Collender Company. 205,346; renewed Nov. 3, 1945. O. G. Aug. 14.
Balls, bowling balls, fishing reels, etc., Billiard. Bakelite Corporation. 204,540; renewed Oct. 20, 1945. O. G. Aug. 14.
Bowling pins. Brunswick-Balke-Collender Company. 415,715; Aug. 14; Serial No. 481,174; published May 29, 1945.
Buckets, Fishing bait. A. C. Thomas. 415,714; Aug. 14; Serial No. 480,932; published May 29, 1945.
Card game. H. E. Lovett. 415,819; Aug. 14; Serial No. 481,483; published June 5, 1945.
Cards, Playing. United States Playing Card Company. 204,255; renewed Oct. 13, 1945. O. G. Aug. 14.
Clubs, golf balls, golf bags, etc., Golf. Rawlings Manufacturing Company. 204,620; renewed Oct. 20, 1945. O. G. Aug. 14.
Dolls. E. Gardel. 415,699; Aug. 14; Serial No. 480,133; published May 29, 1945.
Dolls. J. Grant and D. Huemer. 415,662; Aug. 14; Serial No. 478,381; published May 29, 1945.
Footballs (association and Rugby) and football covers. William Thomlinson, Limited. 204,683; renewed Oct. 20, 1945. O. G. Aug. 14.
Footballs, handballs, basket balls, etc. John Wanamaker Philadelphia. 204,208–10; renewed Oct. 13, 1945. O. G. Aug. 14.
Playing-cards. United States Playing Card Co. 46,674; re-renewed Oct. 3, 1945. O. G. Aug. 14.
Rackets and tennis balls, Tennis, badminton, and squash. Bancroft Racket Company. 415,786; Aug. 14; Serial No. 476,355; published June 5, 1945.
Tackle, Fishing. L. W. Enholm. 415,817; Aug. 14; Serial No. 481,362; published June 5, 1945.
Toy stuffed animals, dolls, toy whistles, etc. Karavan Trading Company. 415,710; Aug. 14; Serial No. 480,660; published May 29, 1945.
Toys, Construction. Speedblok Corporation. 415,792; Aug. 14; Serial No. 478,477; published June 5, 1945.

CLASS 23

Air separators. Purolator Products, Inc. 415,777; Aug. 14; Serial No. 475,165; published June 5, 1945.
Brake, metal forming tools and metal shears, Metal. A. T. O'Neil. 415,774; Aug. 14; Serial No. 474,677; published June 5, 1945.
Couplings, Fluid drive. American Blower Corporation. 415,709; Aug. 14; Serial No. 480,640; published May 29, 1945.
Elevators and hoists and parts thereof. Otis Elevator Company. 204,849; renewed Oct. 27, 1945. O. G. Aug. 14.
Engines, Oil. Continental Gin Company. 198,624; renewed May 19, 1945. O. G. Aug. 14.
Handles, saw handles, gears, etc., Knife. Bakelite Corporation. 205,129; renewed Nov. 3, 1945. O. G. Aug. 14.
Harvesters and thrashers and attachments and parts thereof, Combined. International Harvester Company. 204,623; renewed Oct. 20, 1945. O. G. Aug. 14.
Knives. Imperial Knife Company. 415,752; Aug. 14; Serial No. 467,889; published Sept. 19, 1944.
Knives, Fishermen's sheath. E. G. Waterman & Company. 415,782; Aug. 14; Serial No. 475,822; published June 5, 1945.
Metal-working machinery. Defiance Machine Works, Inc. 415,751; Aug. 14; Serial No. 467,808; published June 5, 1945.

Motors, Gasoline. Corporate Products, Inc. 415,799; Aug. 14; Serial No. 479,169; published June 5, 1945.
Ore concentrators. Deister Machine Company. 204,605; renewed Oct. 20, 1945. O. G. Aug. 14.
Pocket-knives, razors, table-knives, etc. Gray and Dudley Hardware Company. 47,069; re-renewed Oct. 24, 1945. O. G. Aug. 14.
Presses, Web-perfecting flat-bed. Duplex Printing Press Company. 47,179; re-renewed Oct. 31, 1945. O. G. Aug. 14.
Screw conveyor unit. C. A. Rietz. 415,756; Aug. 14; Serial No. 469,653; published June 5, 1945.
Screw drivers. Fuller Tool Co. 415,648; Aug. 14; Serial No. 477,355; published May 29, 1945.

CLASS 24

Equipment, Dry cleaning. Butler Manufacturing Company. 415,744; Aug. 14.

CLASS 25

Fasteners, checks, locks, etc., Door. Russell & Erwin Manufacturing Company. 46,221; re-renewed Sept. 12, 1945. O. G. Aug. 14.

CLASS 28

Bracelets and bracelets for wrist watches, Ornamental. F. & V. Manufacturing Co. 415,647; Aug. 14; Serial No. 477,265; published May 29, 1945.
Device in the nature of a container. G. Eisner. 415,630; Aug. 14; Serial No. 474,325; published May 29, 1945.
Jewelry for personal adornment. W. E. Richards Co. 415,665; Aug. 14; Serial No. 478,519; published May 29, 1945.
Rings with stones, ring mountings for stones, plain rings in gold, etc. M. A. Mead and Company. 415,634; Aug. 14; Serial No. 474,731; published May 29, 1945.

CLASS 29

Backs and handles, Brush. Bakelite Corporation. 205,275; renewed Nov. 3, 1945. O. G. Aug. 14.

CLASS 32

Beds, dressers, chests, etc. Statton Furniture Manufacturing Company. 415,641; Aug. 14; Serial No. 476,311; published May 29, 1945.
Cabinets. Time Oil Co. 415,789; Aug. 14; Serial No. 477,383; published June 5, 1945.
Chairs, High. J. N. Kahn. 415,655; Aug. 14; Serial No. 477,653; published May 29, 1945.
Shelves, Telephone. S. Unterman. 415,706; Aug. 14; Serial No. 480,484; published May 29, 1945.
Stands, desks and tables, Card holding. Remington Rand Inc. 415,766; Aug. 14; Serial No. 472,709; published June 5, 1945.

CLASS 33

Glass. Chance Brothers & Co. Limited. 199,476; renewed June 9, 1945. O. G. Aug. 14.
Glassware. Canton Glass Company, Inc. 415,672; Aug. 14; Serial No. 478,987; published May 29, 1945.
Reamers, Glass. California Fruits Growers Exchange. 204,603; renewed Oct. 20, 1945. O. G. Aug. 14.

CLASS 34

Burners for attachment to furnaces, Oil. J. A. D'Elia. 415,842; Aug. 14.
Cutting apparatus, Oxyacetylene. Air Reduction Company, Incorporated. 204,976–7; renewed Oct. 27, 1945. O. G. Aug. 14.
Heaters and steam generators and parts thereof, Water. Kamwater Heater Mfg. Co. Inc. 204,927; renewed Oct. 27, 1945. O. G. Aug. 14.
Lighters, Pyrophoric catalytic and pilot. Beattie Products, Inc. 415,815; Aug. 14; Serial No. 480,976; published June 5, 1945.
Lighters, Pyrophoric cigar. Galter Manufacturing Company. 415,639; Aug. 14; Serial No. 476,157; published May 29, 1945.
Lighters, Pyrophoric cigar and cigarette. Flashlight Company of America. 415,732; Aug. 14.
Stoves, Gas heating and cooking. Odin Stove Manufacturing Company. 205,314–15; renewed Nov. 3, 1945. O. G. Aug. 14.

CLASS 35

Belting, Power transmission. Manheim Manufacturing & Belting Company. 415,830; Aug. 14.
Brake linings. Fibre & Metal Products, Inc. 415,626, Aug. 14; Serial No. 473,695; published May 29, 1945.
Linings and clutch linings, Brake. Raybestos Company. 202,762; renewed Sept. 1, 1945. O. G. Aug. 14.

CLASS 36

Harmonicas and accordions, Mouth. M. Hohner, Inc. 205,287; renewed Nov. 3, 1945. O. G. Aug. 14.
Ukuleles, banjos, mandolins, etc. C. Bruno & Son, Inc. 205,271; renewed Nov. 3, 1945. O. G. Aug. 14.

CLASS 37

Eyelets. Edward L. Sibley Manufacturing Company. 205,158; renewed Nov. 3, 1945. O. G. Aug. 14.
Files, Visible record. Acme Visible Records, Inc. 415,730; Aug. 14.
Fountain pens and mechanical pencils. David Kahn, Inc. 415,743; Aug. 14.
Indexes, index cards, sheets, etc., Blank and partially printed. Remington Rand Inc. 415,765; Aug. 14; Serial No. 472,708; published June 5, 1945.
Paper and envelopes. Walgreen Co. 415,843–4; Aug. 14.
Paper, Gummed. McLaurin-Jones Co. 203,703; renewed Sept. 22, 1945. O. G. Aug. 14.
Paper (not sensitized) used for making prints. Graphic Arts Corporation of Ohio. 415,804; Aug. 14; Serial No. 480,020; published June 5, 1945.
Paper, Packing. Continental Paper & Bag Mills Corporation. 203,699; renewed Sept. 22, 1945. O. G. Aug. 14.
Paper sheets, Blank. Remington Rand Inc. 415,767; Aug. 14; Serial No. 472,713; published June 5, 1945.
Paper, Wrapping. Continental Paper & Bag Mills Corporation. 202,896; renewed Sept. 8, 1945. O. G. Aug. 14.
Paper, Wrapping. Cromwell Paper Company, The. 415,742; Aug. 14.
Paper, Writing. Fox River Paper Company. 203,713; renewed Sept. 22, 1945. O. G. Aug. 14.
Papers, envelope linings, and similar uses, Fancy coated. McLaurin-Jones Co. 203,704; renewed Sept. 22, 1945. O. G. Aug. 14.
Stationery, Box. Associated Merchandising Corporation. 204,973; renewed Oct. 27, 1945. O. G. Aug. 14.
Stencils, Paper. G. Kapiloff. 415,619; Aug. 14; Serial No. 470,338; published May 29, 1945.
Tissue, Cleansing. San-Nap-Pak Mfg. Co. 415,722; Aug. 14.
Writing-paper and envelopes. Southworth Company. 47,084; re-renewed Oct. 24, 1945. O. G. Aug. 14.

CLASS 38

Books published annually. Encyclopaedia Britannica, Inc. 415,746; Aug. 14; Serial No. 434,395; published June 5, 1945.
Journal, Trade. Practical Publications, Inc. 197,988; renewed Apr. 28, 1945. O. G. Aug. 14.
Magazine column. F-R Publishing Corporation. 415,778; Aug. 14; Serial No. 475,194; published May 29, 1945.
Magazine column. F-R Publishing Corporation. 415,779; Aug. 14; Serial No. 475,196; published May 29, 1945.
Magazine column. F-R Publishing Corporation. 415,780; Aug. 14; Serial No. 475,200; published May 29, 1945.
Magazines published periodically. McGraw-Hill Publishing Company, Inc. 415,832; Aug. 14.
Newspaper. Worcester Post Company. 205,258; renewed Nov. 3, 1945. O. G. Aug. 14.
Newspaper, Daily. Derrick Publishing Company. 415,783; Aug. 14; Serial No. 476,148; published June 5, 1945.
Newspaper feature or column. E. W. Mathews. 415,811; Aug. 14; Serial No. 480,603; published June 5, 1945.
Newspaper, Weekly. Derrick Publishing Company. 415,784; Aug. 14; Serial No. 476,149; published June 5, 1945.
Pamphlets and other musical publications, Instruction. U. S. School of Music. 415,797; Aug. 14; Serial No. 479,055; published June 5, 1945.
Periodical. Mars, Incorporated. 415,810; Aug. 14; Serial No. 480,420; published May 29, 1945.
Photographic portraits. R. Bossert. 415,801; Aug. 14; Serial No. 479,661; published May 29, 1945.
Publication, containing scientific and technical information. R. Rimbach. 415,827; Aug. 14.
Publication, Monthly. Corley Manufacturing Company. 415,837; Aug. 14.
Publication, Periodical. Chicago Mail Order Company. 415,805; Aug. 14; Serial No. 480,048; published June 5, 1945.
Publication, Periodical. Illinois Motor Truck Operators Ass'n, Inc. 415,829; Aug. 14.
Publication, Trade. McCready Publishing Company. 202,976; renewed Sept. 8, 1945. O. G. Aug. 14.
Publications issued to subscribers monthly. E. H. Felix. 415,825; Aug. 14.
Title for a running article which describes items of merchandise. Shaw Publications, Inc. 415,788; Aug. 14; Serial No. 476,483; published June 5, 1945.

CLASS 39

Apparel for men, women, and children, Wearing. Arrow Importing Company. 415,609; Aug. 14; Serial No. 453,689; published Mar. 9, 1943.
Blouses, Ladies'. Azen-Rothman Co. 415,717; Aug. 14.
Chemises, panties, pajamas, etc., Ladies'. Schneierson, I., & Sons, Inc. 415,803; Aug. 14; Serial No. 479,993; published May 29, 1945.
Clothing. J. L. Stifel & Sons. 204,786; renewed Oct. 27, 1945. O. G. Aug. 14.

Coats, Fur. Silverblu Mink Breeders Association. 415,720; Aug. 14.
Coats, Ladies' and misses'. Hiller Bros. & Hiller. 415,809; Aug. 14; Serial No. 480,416; published May 29, 1945.
Coats, Misses', juniors' and children's. Fred S. Burack Corporation. 415,762; Aug. 14; Serial No. 471,850; published May 29, 1945.
Coats, vests, pants, etc., and women's outercoats, sport jackets, suits, Men's. Fashion Park, Inc. 415,807; Aug. 14; Serial No. 480,285; published June 5, 1945.
Coats, vests, trousers, and suits, Men's. Middishade Company. 201,215; renewed July 21, 1945. O. G. Aug. 14.
Corsets and brassières. Franco Corset Company, Inc. 205,585; renewed Nov. 10, 1945. O. G. Aug. 14.
Cravats, necktles, mufflers, and necktie and handkerchief sets. Cutter-Crossette Co. 415,739; Aug. 14.
Dresses, coats, suits, etc., Ladies' and misses'. Dalecrest Classics. 415,800; Aug. 14; Serial No. 479,615; published May 29, 1945.
Dresses, Ladies'. Beacon Frocks Inc. 415,738; Aug. 14.
Dresses, Misses' and women's. M. Gollomp & Sons. 415,718; Aug. 14.
Dresses, slacks, outershorts, etc., Ladies' and misses'. Jamison Classics, Inc. 415,737; Aug. 14.
Handkerchiefs not in the piece, Linen. R. M. Carson. 200,687; renewed July 7, 1945. O. G. Aug. 14.
Heels, Rubber. Essex Rubber Company. 204,478; renewed Oct. 20, 1945. O. G. Aug. 14.
Hosiery. Barnard Nathan Co. 204,404; renewed Oct. 20, 1945. O. G. Aug. 14.
Hosiery. Berkshire Knitting Mills. 415,808; Aug. 14; Serial No. 480,402; published May 29, 1945.
Hosiery. Pennsylvania Silk Hosiery Mills, Inc. 197,838; re-renewed Apr. 28, 1945. O. G. Aug. 14.
Nightgowns, Ladies'. Dove Undies. 415,793; Aug. 14; Serial No. 478,543; published May 29, 1945.
Night gowns, pajamas, sleep-coats, etc. B. P. Garrison. 415,611; Aug. 14; Serial No. 461,589; published Mar. 14, 1944.
Robes; ladies' pajamas; blouses. Marvin Textile Associates, Inc. 415,749; Aug. 14; Serial No. 465,263; published June 5, 1945.
Slips, Ladies'. Barbizon Corporation. 415,758; Aug. 14; Serial No. 470,368; published July 25, 1944.
Suits and overcoats, Men's and boys'. J. Goldsmith & Sons Company. 204,817; renewed Oct. 27, 1945. O. G. Aug. 14.
Suits, coats, trousers, Men's. Jas. L. Nemecek. 198,006; renewed Apr. 28, 1945. O. G. Aug. 14.
Suits, sweaters; men's dress, negligee, work, and under shirts of knitted and textile fabric, etc., Bathing. Sperry & Hutchinson Company. 203,033; renewed Sept. 8, 1945. O. G. Aug. 14.
Sweaters and sweater ensembles, Ladies', misses', and children's. Metropolitan Knitwear Co. 415,731; Aug. 14.
Sweaters, toques, and bathing suits. Jersild Knitting Company. 204,723; renewed Oct. 27, 1945. O. G. Aug. 14.
Underwear and sportswear. Augusta Knitting Corporation. 415,781; Aug. 14; Serial No. 475,233; published June 5, 1945.
Underwear, Knitted. Glastonbury Knitting Company. 46,663; re-renewed Oct. 3, 1945. O. G. Aug. 14.
Underwear, Women's and Misses'. Lady Fair Corporation. 205,169; renewed Nov. 3, 1945. O. G. Aug. 14.
Uniforms, Nurses' and maids'. M. Rosenfeld. 415,776; Aug. 14; Serial No. 474,963; published June 5, 1945.

CLASS 40

Elastic, narrow cotton and silk elastic, braid, etc., Shirred ribbon. Wolf & Lang, Inc. 198,094; renewed May 5, 1945. O. G. Aug. 14.
Safety-pins. Consolidated Safety Pin Company. 46,234; re-renewed Sept. 12, 1945. O. G. Aug. 14.

CLASS 42

Blankets, shawls, and afghans, Baby. May Knitting Co., Inc. 415,728; Aug. 14.
Cloth, Billiard. Brunswick-Balke-Collender Company. 204,531; renewed Oct. 20, 1945. O. G. Aug. 14.
Cloth, Waterproof. Fulton Bag & Cotton Mills. 46,110; re-renewed Sept. 5, 1945. O. G. Aug. 14.
Cloths, luncheon sets, and towels, etc., Table. California Hand Prints, Inc. 415,824; Aug. 14.
Comforters, Infants'. Jack Turk & Co. 415,823; Aug. 14.
Cotton piece goods. H. Jacob & Sons, Inc. 202,509; renewed Aug. 25, 1945. O. G. Aug. 14.
Cotton piece goods. J. L. Stifel & Sons. 205,227; renewed Nov. 3, 1945. O. G. Aug. 14.
Cotton piece goods. Whitney Mfg. Co. 204,445–6; renewed Oct. 20, 1945. O. G. Aug. 14.
Curtains. Arnold Curtain Manufacturing Co., Inc. 415,838; Aug. 14.
Curtains and draperies. John Shillito Company. 415,835; Aug. 14.
Duck and drill materials, Tent. Fulton Bag & Cotton Mills. 202,125; renewed Aug. 18, 1945. O. G. Aug. 14.
Fabrics coated with water-proofing materials. United States Rubber Company. 415,694; Aug. 14; Serial No. 479,958; published May 29, 1945.
Mohair piece goods and piece goods of combination of cotton, wool, etc. Goodall Worsted Co. 204,762; renewed Oct. 27, 1945. O. G. Aug. 14.
Mohair piece goods, etc. Goodall Worsted Co. 204,826; renewed Oct. 27, 1945. O. G. Aug. 14.
Padding for laundry-machinery rolls, Woven cotton. Tingue, Brown & Co. 204,554; renewed Oct. 20, 1945. O. G. Aug. 14.
Piece goods and rayon and cotton piece goods, Rayon. Goldenbro Fabrics, Inc. 415,697; Aug. 14; Serial No. 480,018; published May 22, 1945.
Piece goods, lace panels, lace napkins, etc., Lace. Columbia Mills, Inc. 415,840; Aug. 14.
Piece goods made of spun rayon, acetate rayon, cotton fibres, etc. Charmette Fabrics Co., Inc. 415,612; Aug. 14; Serial No. 466,148; published May 22, 1945.
Piece goods of rayon and mixtures of rayon and cotton. Traub, Lyons, Oppenheim, Inc. 415,700; Aug. 14; Serial No. 480,149; published May 22, 1945.
Piece goods of worsted, cotton, or rayon, or mixtures thereof. L. W. Guild Company, Inc. 415,833; Aug. 14.
Plush for car, furniture, and drapery purposes, Mohair. L. C. Chase & Co. 46,084; re-renewed Sept. 5, 1945. O. G. Aug. 14.
Rugs of fabric, Floor. Waite Carpet Co. 204,524; renewed Oct. 20, 1945. O. G. Aug. 14.
Silk and satin piece goods, cotton-backed silks and satins, serges, etc. William Skinner Manufacturing Co. 46,210; re-renewed Sept. 12, 1945. O. G. Aug. 14.
Tablecloths, lace bedspreads, lace scarves, etc., Lace. Columbia Mills, Inc. 415,839; Aug. 14.

CLASS 43

Yarns, lath yarns, and fodder yarns, Spun. Edward H. Fitler Co. 204,578–9; renewed Oct. 20, 1945. O. G. Aug. 14.

CLASS 44

Cabinets, invalids' straight chairs, allergy pillows, etc., Invalids' bedside. E. F. Mahady Company. 415,677; Aug. 14; Serial No. 479,192; published May 29, 1945.
Hearing aid devices. Otronics Company of America, Inc. 415,667; Aug. 14; Serial No. 478,687; published May 29, 1945.
Membranous articles, Prophylactic. L. Hilsenbeck. 204,305; renewed Oct. 13, 1945. O. G. Aug. 14.
Plaques, ozonizing apparatus, violet-ray generators, Radium. Bakelite Corporation. 205,348; renewed Nov. 3, 1945. O. G. Aug. 14.
Prophylactic membranous articles. L. Hilsenbeck. 205,201; renewed Nov. 3, 1945. O. G. Aug. 14.
Supporters, suspensories, syringes, etc., Athletic. Stuart-Chase Co. 415,787; Aug. 14; Serial No. 476,449; published June 5, 1945.

CLASS 45

Beverage, Nonalcoholic cola. Cheri-Top Company. 415,836; Aug. 14.
Beverage, orange concentrate, and syrup, Orange juice. Nedick's Stores, Inc. 415,760; Aug. 14; Serial No. 471,163; published May 29, 1945.
Beverage, Tonic. Simpson Spring Company. 46,774; re-renewed Oct. 10, 1945. O. G. Aug. 14.
Beverages and syrups for making such beverages, Nonalcoholic maltless. Coca-Cola Company. 415,755; Aug. 14; Serial No. 468,708; published June 5, 1945.
Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 415,771; Aug. 14; Serial No. 474,177; published Jan. 30, 1945.
Extracts, syrups, juices, and tonics. Simpson Spring Company. 46,410; re-renewed Sept. 19, 1945. O. G. Aug. 14.
Flavors, extracts, and concentrates, Maltless, non-alcoholic. J. B. Syrup Co., Inc. 415,806; Aug. 14; Serial No. 480,135; published May 29, 1945.
Ginger ale. Jackson Brewing Company. 205,123; renewed Nov. 3, 1945. O. G. Aug. 14.
Ginger ale. White Rock Mineral Springs Company. 205,356; renewed Nov. 3, 1945. O. G. Aug. 14.
Juices, extracts, syrups, and tonics. Simpson Spring Company. 46,411–2; re-renewed Sept. 19, 1945. O. G. Aug. 14.
Juices, extracts, syrups, etc. Simpson Spring Company. 46,668; re-renewed Oct. 3, 1945. O. G. Aug. 14.
Liquid product, Nonalcoholic concentrated. London Twins Mixer Co. 415,761; Aug. 14; Serial No. 471,406; published May 29, 1945.
Mineral water. Ozone Company, Inc. 197,913; renewed Apr. 28, 1945. O. G. Aug. 14.
Mineral water. J. W. Wakefield. 415,820; Aug. 14; Serial No. 481,870; published June 5, 1945.
Soft drinks and syrups and concentrates, Nonalcoholic, maltless. M. Harrison. 415,769; Aug. 14; Serial No. 473,447; published Nov. 7, 1944.
Syrups, juices, extracts, and tonics. Simpson Spring Company. 46,432; re-renewed Sept. 19, 1945. O. G. Aug. 14.

CLASS 46

Canned salmon, tunny fish, sardines, and herring roe, and dried codfish. R. C. Williams & Company, Inc. 202,484; renewed Aug. 25, 1945. O. G. Aug. 14.
Canned soup. Pure Food Factory "Hansa." 204,614; renewed Oct. 20, 1945. O. G. Aug. 14.
Canned vegetables. Geidel Canneries, Inc. 415,637; Aug. 14; Serial No. 475,906; published May 29, 1945.
Candy. A. Karcher Candy Company. 415,841; Aug. 14.
Candy. Henry Maillard. 202,982; renewed Sept. 8, 1945. O. G. Aug. 14.
Candy. Peter Paul, Inc. 415,750; Aug. 14; Serial No. 466,705; published Mar. 21, 1944.
Candy. Reymer & Brothers, Incorporated. 203,820; renewed Sept. 29, 1945. O. G. Aug. 14.
Cereal food, Breakfast. J. W. Limbert. 202,689; renewed Sept. 1, 1945. O. G. Aug. 14.
Cheese, Blue. The Borden Company. 415,747; Aug. 14; Serial No. 463,806; published Dec. 7, 1943.
Coffee, tea, shredded coconut, etc. John Sexton & Co. 197,743; renewed Apr. 21, 1945. O. G. Aug. 14.
Confection bar, Fruit and nut. Fruit Bar Products Co. 415,814; Aug. 14; Serial No. 480,951; published June 5, 1945.
Confectionery. American Chicle Company. 202,869; renewed Sept. 8, 1945. O. G. Aug. 14.
Corn, tomatoes, peas, etc. Sprague, Warner & Co. 27,099; re-renewed Sept. 24, 1945. O. G. Aug. 14.
Dressing, cocktail sauce, Worcestershire style sauce, and barbecue sauce, Salad. L. A. Compagno. 415,683; Aug. 14; Serial No. 479,664; published May 29, 1945.
Dressing, Salad. D. H. Lowenstein. 415,707; Aug. 14; Serial No. 480,513; published May 29, 1945.
Feed, Dairy, stock, and poultry. Empire Grain & Elevator Company. 199,444; renewed June 9, 1945. O. G. Aug. 14.
Feedstuffs. Corn Products Refining Company. 202,938; renewed Sept. 8, 1945. O. G. Aug. 14.
Flour and pancake flour, cereal breakfast food, poultry and stock feeds, Wheat. Cherry City Milling Company. 199,943; renewed June 23, 1945. O. G. Aug. 14.
Flour, Cake. Pillsbury Flour Mills Company. 415,773; Aug. 14; Serial No. 474,359; published June 5, 1945.
Flour, enriched farina, hominy grits, etc., Pancake. Pillsbury Flour Mills Company. 415,772; Aug. 14; Serial No. 474,355; published June 5, 1945.
Flour, pancake and buckwheat flour, wheat feeds, etc., Wheat. Ballard & Ballard Company. 204,508; renewed Oct. 20, 1945. O. G. Aug. 14.
Flour, Wheat. Central Minn. Power & Milling Co. 204,286; renewed Oct. 13, 1945. O. G. Aug. 14.
Flour, Wheat. Old Fashioned Millers, Incorporated. 415,614; Aug. 14; Serial No. 466,510; published Jan. 23, 1945.
Flour, Wheat. Pillsbury Flour Mills Company. 415,724; Aug. 14.
Food products, Cereal breakfast. Washburn-Crosby Company. 201,543; renewed July 28, 1945. O. G. Aug. 14.
Food products in the nature of a carbohydrate. Merrell-Soule Company. 204,004; renewed Oct. 6, 1945. O. G. Aug. 14.
Fruits and canned vegetables, Canned. F. B. Neuhoff. 205,122; renewed Nov. 3, 1945. O. G. Aug. 14.
Fruits and dried berries, Dried. R. C. Williams & Co. 44,780; re-renewed July 25, 1945. O. G. Aug. 14.
Fruits and dried berries, Dried. R. C. Williams & Co. 45,025; re-renewed Aug. 1, 1945. O. G. Aug. 14.
Fruits and vegetables hermetically sealed in tins and glass. R. C. Williams & Co. 46,246; re-renewed Sept. 12, 1945. O. G. Aug. 14.
Fruits, Fresh citrous. Riverside Heights Orange Growers Association. 204,643–4; renewed Oct. 20, 1945. O. G. Aug. 14.
Fruits, Fresh deciduous. W. F. Cobb. 415,727; Aug. 14.
Grapes, Fresh. Cortez Growers Association. 204,054; renewed Oct. 6, 1945. O. G. Aug. 14.
Gum, Chewing. Clark Brothers Chewing Gum Co. 415,834; Aug. 14.
Gum, Plain or uncoated chewing. American Chicle Company. 201,930; renewed Aug. 11, 1945. O. G. Aug. 14.
Ice cream, water ices, and sherbets. Anheuser Busch Ice & C. S. Co. Inc. 204,695; renewed Oct. 20, 1945. O. G. Aug. 14.
Meats, Cured. Jacob Dold Packing Co. 203,527; renewed Sept. 22, 1945. O. G. Aug. 14.
Milk, Condensed. Pacific Coast Condensed Milk Co. 47,080; re-renewed Oct. 24, 1945. O. G. Aug. 14.
Milk, Evaporated. Pet Milk Company. 203,043; renewed Sept. 8, 1945. O. G. Aug. 14.
Milk solids in powder form, Dried. Argonaut Milk Company. 204,567; renewed Oct. 20, 1945. O. G. Aug. 14.
Molasses. Eastern Refining Co. 45,463; re-renewed Aug. 22, 1945. O. G. Aug. 14.
Molasses, table sirup, and sorghum. Alexander Molasses Company. 205,636; renewed Nov. 10, 1945. O. G. Aug. 14.
Olives in tin and glass. California Olive Packers, Incorporated. 415,791; Aug. 14; Serial No. 478,375; published Mar. 6, 1945.
Pickles. Reid, Murdoch & Co. 205,164; renewed Nov. 3, 1945. O. G. Aug. 14.
Potato chips, candy, seedless raisins, etc. Creamette Company. 201,880; renewed Aug. 11, 1945. O. G. Aug. 14.
Scraps, digester tankage, and animal feeds, Meat. Riverdale Products Company. 202,683; renewed Sept. 1, 1945. O. G. Aug. 14.
Shortening. Interstate Cotton Oil Refining Co. 205,183; renewed Nov. 3, 1945. O. G. Aug. 14.
Sirup, Food. W. B. Roddenbery. 205,256; renewed Nov. 3, 1945. O. G. Aug. 14.
Sugar. Imperial Sugar Company. 205,637; renewed Nov. 10, 1945. O. G. Aug. 14.
Sugar, brown sugar, powdered sugar, etc., Granulated. C. D. Robinson Company. 203,947; renewed Sept. 29, 1945. O. G. Aug. 14.
Sugar, brown sugar, powdered sugar, etc., Granulated. C. D. Robinson Company. 203,958; renewed Sept. 29, 1945. O. G. Aug. 14.
Table-syrup. New York Glucose Co. 46,561–2; re-renewed Sept. 26, 1945. O. G. Aug. 14.
Vegetables, Fresh. Major Distributing Company. 415,757; Aug. 14; Serial No. 470,035; published Sept. 26, 1944.

CLASS 47

Wines. Munson G. Shaw Co. 415,794; Aug. 14; Serial No. 478,833; published May 29, 1945.
Wines. Munson G. Shaw Co. 415,796; Aug. 14; Serial No. 478,936; published May 29, 1945.
Wines. H. Robbins. 415,828; Aug. 14.

CLASS 48

Ale. Minneapolis Brewing Company. 415,763; Aug. 14; Serial No. 472,251; published May 29, 1945.
Beer. Minneapolis Brewing Company. 415,764; Aug. 14; Serial No. 472,252; published May 29, 1945.
Beer and like cereal malt beverages. Grace Bros. Brewing Co. 415,818; Aug. 14; Serial No. 481,408; published May 29, 1945.
Extract of wheat in syrup form. Dehls & Stein, Inc. 415,816; Aug. 14; Serial No. 481,217; published June 5, 1945.
Grits and wheat meal for use in brewing, Wheat. G Segal. 415,822; Aug. 14.
Lager-beer. F. & M. Schaefer Brewing Co. 45,690; re-renewed Aug. 29, 1945. O. G. Aug. 14.

CLASS 49

Brandies, cordials, eggnogs. etc. S. Steinbach. 415,831; Aug. 14.
Rum. Felton & Son. 46,829; re-renewed Oct. 10, 1945. O. G. Aug. 14.

CLASS 50

Clothes holder. Odora Company, Inc. 415,679; Aug. 14; Serial No. 479,397; published May 29, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Brake Shoe Company: *See*—
Houston, J. V., and Habel, assignors.
Crane Packing Company: *See*—
Snyder, Russel D., assignor.
Habel, Berger R.: *See*—
Houston, J. V., and Habel.
Houston, John V., Hartsdale, N. Y., and B. R. Habel, La Grange, Ill., assignors to American Brake Shoe Company. Railway crossing. Re. 22,663; Aug. 14.
Mahoney, Ruth M., Santa Monica, Calif. Maternity garment. Re. 22,665; Aug. 14.
Servel, Inc.: *See*—
Ullstrand, Hugo M., assignor.
Snyder, Russel D., assignor to Crane Packing Company, Chicago, Ill. Fluid seal. Re. 22,666; Aug. 14.
Ullstrand, Hugo M., Stockholm, Sweden, assignor to Servel, Inc., New York, N. Y. Refrigeration. Re. 22,664; Aug. 14.

LIST OF DESIGN PATENTEES

American Airline, Inc.: *See*—
Botsford, A. C., and Chasse, assignors.
American Lead Pencil Company: *See*—
Juelss, David, assignor.
Anderson-Stoltz Pharmaceuticals, Inc.: *See*—
Anderson, Walter E., assignor.
Anderson, Walter E., assignor to Anderson-Stoltz Pharmaceuticals, Inc., Kansas City, Mo. Deodorizer. 142,009; Aug. 14.
Arpels, Julien, New York, N. Y. Clip or similar article. 142,010; Aug. 14.
Auerswald, Ralph R., San Diego, Calif. Butter substitute mixing device. 142,011; Aug. 14.
Automatic Electric Laboratories, Inc.: *See*—
Woodruff, Albert E., assignor.
Baker, William A., Hattiesburg, Miss. Service record plaque or similar article. 142,012; Aug. 14.
Baldwin, Curtis C., Ottawa, Kans., assignor to C. Earl Hovey, Kansas City, Mo., trustee. Tractor carried crane. 142,134; Aug. 14.
Baldwin, William E., Des Moines, Iowa. Fish lure. 142,160; Aug. 14.
Ball, Oscar, New York, N. Y. Doll. 142,013; Aug. 14.
Ball, Oscar, New York, N. Y. Doll. 142,014; Aug. 14.
Barok, George D., Columbus, Ohio. Weighing scale. 142,055; Aug. 14.
Barrett, Albert, Elmhurst, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Picture frame. 142,056; Aug. 14.
Baxter, Ernest W., Bradford, Pa., assignor to Dresser Industries, Inc. Pipe coupling. 142,057; Aug. 14.
Bay State Optical Company: *See*—
Nerney, George E., assignor.
Beckwith Manufacturing Company: *See*—
Lehmberg, William H., assignor.
Beewar, Ann, Berwyn, Ill. Cigarette holder. 142,178; Aug. 14.
Belknap, Eugene M., et al.: *See*—
Wallner, George M., assignor.
Belmont Radio Corporation: *See*—
Grube, Clifford E., assignor.
Wronke, Louis J., assignor.
Beltx Corporation: *See*—
De Woskin, Irvin S., assignor.
Berens, Robert S., New York, N. Y. Coin receptacle. 142,015; Aug. 14.
Bergman, Jack: *See*—
Wurster, David, assignor.
Birk, Emil A., Buffalo, N. Y., assignor to Smith and Wesson Inc., Springfield, Mass. Thumbrest for firearms or similar article. 142,016; Aug. 14.
Botsford, Alan C., Brooklyn, and C. J. Chasse, Whitestone, assignors to American Airlines, Inc., New York, N. Y. Portable clothes container. 142,058; Aug. 14.
Botsford, Alan C., Brooklyn, and C. J. Chasse, Whitestone, assignors to American Airlines, Inc., New York, N. Y. Portable clothes rack. 142,059; Aug. 14.
Braund, Walter R., Birmingham, assignor to Bra-Wil-Kee, Inc., Detroit, Mich. Toy. 142,161; Aug. 14.
Bra-Wil-Kee, Inc.: *See*—
Braund, Walter R., assignor.
Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Power tool unit. 142,135; Aug. 14.
Brown, Herbert W., Chicago, Ill. Hand mirror. 142,017; Aug. 14.
Butler, Robert E., La Crosse, Wis. Burial vault. 142,060; Aug. 14.
Caldwell, Lafayette H., Lookout Mountain, Tenn. Circulating heater. 142,061; Aug. 14.
Campbell, Virginia K., Evanston, Ill. Display device. 142,018; Aug. 14.
Campbell, William P., Los Angeles, Calif. Picture frame. 142,019; Aug. 14.
Canal National Bank of Portland, The: *See*—
Parsons, W. E., and Randall, assignors.
Shepard, Ernest L., assignor.
Capparelli, Anthony: *See*—
Tinello, Paul N., assignor.
Castro, Rudolph, Los Angeles, Calif. Lamp shade. 142,062; Aug. 14.
Castro, Rudolph, Los Angeles, Calif. Lamp shade. 142,063; Aug. 14.
Chapman, Dave, assignor to Hanson Scale Company, Chicago, Ill. Bathroom scale. 142,064; Aug. 14.
Chasse, Charles J.: *See*—
Botsford, A. C., and Chasse.
Cheney, Allan, Princeton, assignor to Cheney Metal Products Company, Trenton, N. J. Clothes pole head. 142,136; Aug. 14.
Cheney Metal Products Company: *See*—
Cheney, Allan. assignor.
Chicone, Peter V., and P. Ciccone, St. Paul, Minn. Toy. 142,149; Aug. 14.
Ciccone, Patrick: *See*—
Chicone, P. V., and Ciccone.
Coleman, Eugene, North Hollywood, Calif. Box. 142,179; Aug. 14.
Coleman, Eugene, North Hollywood, Calif. Box. 142,180; Aug. 14.
Coleman, Eugene, North Hollywood, Calif. Box. 142,181; Aug. 14.
Colonial Neon Company, Inc.: *See*—
Sabatini, John C., assignor.
Consolite Corporation: *See*—
Feist, Harry J., assignor.
Coro, Inc.: *See*—
Katz, Adolph, assignor.
Cueva, Armand L.: *See*—
Tacón, L., and Cueva.
Dannenberg, Milton A., Chicago, Ill. Cap. 142,162; Aug. 14.
Davidson, David, Los Angeles, Calif. Ring-loop toy. 142,020; Aug. 14.
Davidson, David, Los Angeles, Calif. Ring-boat toy. 142,021; Aug. 14.
Denison Engineering Company, The: *See*—
Denison, William C., Jr., assignor.
Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press. 142,022; Aug. 14.
Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Bench press. 142,023; Aug. 14.
Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Press with indexing table. 142,024; Aug. 14.
De Woskin, Irvin S., University City, assignor to Beltx Corporation, St. Louis, Mo. Grip for sanitary belt. 142,163; Aug. 14.
Dresser Industries, Inc.: *See*—
Baxter, Ernest W., assignor.
Duba, Alexandra P., San Francisco, Calif. Guard for sewing machines. 142,065; Aug. 14.
Dunn, Ulysses S., Aurora, Ill. Resistance welder. 142,066; Aug. 14.
Durham Manufacturing Corporation: *See*—
Kirkpatrick, Francis McK., assignor.
Duzmal, Walter J., Chicago, Ill. Rosary medal. 142,067; Aug. 14.
Eggertson, Bjarni: *See*—
Freeman, J., and Eggertson.
Ekco Products Company: *See*—
Glass, Henry P., assignor.

Esh, Barnett, New York, N. Y., assignor to Weisfield & Goldberg, Inc., Seattle, Wash. Finger ring. 142,164; Aug. 14.
Espey Manufacturing Company, Inc.: *See*— Terrell, Horace, assignor.
Eubank, Judson C., New York, N. Y. Picture frame or similar article. 142,137; Aug. 14.
Excel Auto Radiator Company: *See*— Briskin, Theodore S., assignor.
Feist, Harry J., assignor to Consolite Corporation, Fremont, Ohio. Mirror and support therefor. 142,165; Aug. 14.
Fellows Gear Shaper Company, The: *See*— Miller, Edward W., assignor.
Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Cigarette box or article of similar nature. 142,182; Aug. 14.
Frascino, Mario, New York, N. Y. Coat. 142,025; Aug. 14.
Freeman, John, Montreal, and Bjarni Eggertson, Verdun, Quebec, Canada. Finger nail lacquer polishing brush. 142,138; Aug. 14.
Frei, Otto, assignor to Sport-Craft Company, New York, N. Y. Embroidered textile fabric or similar article. 142,166; Aug. 14.
Friedman, Theodore, New York, N. Y. Comb. 142,167; Aug. 14.
Friedman, Theodore, New York, N. Y. Frame for a hand mirror or magnifying glass. 142,168; Aug. 14.
General Motors Corporation: *See*— Markestein, John, assignor.
Garner, John S., Darlington, S. C. Potato cutter. 142,026; Aug. 14.
Gerth, Ruth, New York, N. Y., assignor to King Leathers Incorporated, Indiana, Pa. Combined flexible billfold and change purse. 142,150; Aug. 14.
Gillett, Jerome E., Superior, Wis. Card holder. 142,151; Aug. 14.
Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 142,027; Aug. 14.
Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 142,028; Aug. 14.
Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 142,029; Aug. 14.
Goldfrank, John, New York, N. Y. Embroidered trimming or the like. 142,068; Aug. 14.
Gorham Manufacturing Company: *See*— Price, James R., assignor.
Goudy, Rene: *See*— Swanson, E. E., and Goudy.
Grube, Clifford E., Chicago, Ill., assignor to Belmont Radio Corporation. Radio receiver cabinet. 142,140; Aug. 14.
Grube, Clifford E., Chicago, Ill., assignor to Belmont Radio Corporation. Radio receiver cabinet. 142,141; Aug. 14.
Grube, Clifford E., Chicago, Ill., assignor to Belmont Radio Corporation. Radio receiver cabinet. 142,142; Aug. 14.
Grube, Clifford E., Chicago, Ill., assignor to Belmont Radio Corporation. Combination radio-phonograph cabinet. 142,139; Aug. 14.
Gruber, Abe, New York, N. Y. Suit. 142,069; Aug. 14.
Gruber, Abe, New York, N. Y. Coat. 142,070; Aug. 14.
Guild, Willis T., Gulfport, Miss. Wheeled toy. 142,071; Aug. 14.
Hanson Scale Company: *See*— Chapman, Dave, assignor.
Heany, Frank P., Los Angeles, Calif. Combined whatnot shelf and mirror. 142,072; Aug. 14.
Hermanos, Selma L., New York, N. Y. Scarf or similar article. 142,169; Aug. 14.
Hewson, William S., West Los Angeles, Calif. Automobile. 142,030; Aug. 14.
Hill, C. V., & Company, Inc.: *See*— Hoffman, Cyrus F., assignor.
Hodges, Vera C., Los Angeles, Calif. Starter. 142,199; Aug. 14.
Hoffman, Cyrus F., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service display case. 142,073; Aug. 14.
Hoop, Philip E., Jr., Shelbyville, assignor to Kerkling & Company, Bloomington, Ind. Pneumatic hammer. 142,143; Aug. 14.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,074; Aug. 14.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,075; Aug. 14.
Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,076; Aug. 14.
Hovey, C. Earl: *See*— Baldwin, Curtis C., assignor.
Huff, Basil D., New York, assignor to Knight Slipper Mfg. Corp., Brooklyn, N. Y. Insole for a shoe. 142,152; Aug. 14.
Huff, Basil D., New York, assignor to Knight Slipper Mfg. Corp., Brooklyn, N. Y. Insole for a shoe. 142,153; Aug. 14.
Huth, Charles I., Woodside, N. Y. Pull toy. 142,154; Aug. 14.
Jaukas, Anton P., Chicago, Ill. Tie rack or similar article. 142,031; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,077; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,078; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,079; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,080; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,081; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,082; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,083; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,084; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,085; Aug. 14.
Johnson, Alice M., New York, N. Y. Brooch or similar article. 142,086; Aug. 14.
Johnson, Alice M., New York, N. Y. Clip or similar article. 142,087; Aug. 14.
Johnson, Alice M., New York, N. Y. Clip or similar article. 142,088; Aug. 14.
Jones, Joseph F., Cortland, N. Y. Child's aerovelocipede. 142,089; Aug. 14.
Juelss, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Nib section for a fountain pen. 142,170; Aug. 14.
Jung, Henry J., Milwaukee, Wis. Earring or similar article. 142,144; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,183; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,184; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,185; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,186; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,187; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,188; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,189; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,190; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,191; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,192; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 142,193; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Clip or similar article. 142,200; Aug. 14.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,201; Aug. 14.
Katz, Philip, Riverside, Calif. Knife or other article of flatware. 142,090; Aug. 14.
Katz, Philip, Riverside, Calif. Knife or other article of flatware. 142,091; Aug. 14.
Katz, Philip, Riverside, Calif. Knife or other article of flatware. 142,092; Aug. 14.
Kennedy, Kenneth J., South San Francisco, Calif. Scraper attachment for live booms. 142,093; Aug. 14.
Kerkling & Company: *See*— Hoop, Philip E., Jr., assignor.
Keuper, Harry W., Fort Thomas, Ky., assignor to G. H. Lackner, Cincinnati, Ohio. Condiment receptacle. 142,032; Aug. 14.
King Leathers Incorporated: *See*— Gerth, Ruth, assignor.
Kinney Aluminum Company: *See*— Shaeffer, Norbert, assignor.
Kirkpatrick, Francis McK., assignor to Durham Manufacturing Corporation, Muncie, Ind. Rocking chair. 142,094; Aug. 14.
Knight Slipper Mfg. Corp.: *See*— Huff, Basil D., assignor.
Lackner, George H.: *See*— Keuper, Harry W., assignor.

Lamotte, Bernard, assignor to Pinaud Incorporated, New York, N. Y. Box or similar article. 142,095; Aug. 14.
Lanyon, William C., Waukegan, Ill. Seal cutter for bottles, or similar article. 142,202; Aug. 14.
Lee Knitwear Corp.: *See*— Sheldrick, Mabel, assignor.
Lehmberg, William H., Newton Centre, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Facepiece for gas masks or respirators. 142,203; Aug. 14.
Levin, Benjamin E., Boston, Mass. Combination of costumer and shelf unit or similar device. 142,096; Aug. 14.
Lindgren, Russell B., Piedmont, and C. H. Ristenpart, San Francisco, Calif., said Lindgren assignor to said Ristenpart. Desk. 142,097; Aug. 14.
Lion, Leo, New York, N. Y. Foldable serving table. 142,171; Aug. 14.
Lochridge, Bertha M., Syracuse, N. Y. Toy dog. 142,033; Aug. 14.
Lubienski, Paul S., Alexandria, Va. Hydroplane. 142,034; Aug. 14.
MacCallum, Lucretia Q., Beverly Hills, Calif. Mechanical doll. 142,172; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,098; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,099; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,100; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,101; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,102; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,103; Aug. 14.
Markestein, John, North Riverside, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive body. 142,104; Aug. 14.
Marsh Stencil Machine Company: *See*— Marsh, Walton C., assignor.
Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Portable tape moistening device, or the like. 142,173; Aug. 14.
Memminger, Paul, Los Angeles, Calif. Terminal socket. 142,105; Aug. 14.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear finishing machine. 142,145; Aug. 14.
Moor, Dudley W., Jr., et al.: *See*— Wallner, George M., assignor.
Moran, Ralph V., Bradford, Pa. Coin bank. 142,106; Aug. 14.
Morrey, Katherine H., Chicago, Ill. Combination baby bath and dressing stand. 142,107; Aug. 14.
Morris, Harry, Chicago, Ill. Cigarette case or similar article. 142,108; Aug. 14.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,035; Aug. 14.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,109; Aug. 14.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,110; Aug. 14.
National Lock Company: *See*— Stone, Roy A., assignor.
Nazare, Francois, New York, N. Y. Necklace. 142,111; Aug. 14.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Spectacle front. 142,036; Aug. 14.
O'Leary, Stephen G., Detroit, Mich. Game board. 142,112; Aug. 14.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,113; Aug. 14.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,114; Aug. 14.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,115; Aug. 14.
Page, Herbert E., Alhambra, Calif. Electric toaster. 142,037; Aug. 14.
Parsons, Wallace E., and W. H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, trustee, Portland, Maine. Pack for fragile articles. 142,116; Aug. 14.
Parsons, Wallace E., and W. H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, trustee, Portland, Maine. Pack for fragile articles. 142,117; Aug. 14.
Parsons, Wallace E., and W. H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, trustee, Portland, Maine. Pack for fragile articles. 142,118; Aug. 14.
Parsons, Wallace E., and W. H. Randall, Waterville, Maine, assignors, by mesne assignments, to The Canal National Bank of Portland, trustee, Portland, Maine. Pack for fragile articles. 142,119; Aug. 14.
Pavelka, Joseph, St. Louis, Mo. Bread toaster casing. 142,146; Aug. 14.
Pearce, Herbert, Meadville, Pa. Garden cultivator. 142,174; Aug. 14.
Perrin, Harry C., Grass Valley, Calif. Game board. 142,194; Aug. 14.
Peterson, Clyde A., assignor to Wells-Gardner & Co., Chicago, Ill. Radio cabinet. 142,155; Aug. 14.
Pinaud Incorporated: *See*— Lamotte, Bernard, assignor.
Pitman-Dreitzer & Co., Inc.: *See*— Fordyce, Charles L., assignor.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Fork or other article of flatware. 142,204; Aug. 14.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Fork or other article of flatware. 142,205; Aug. 14.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Fork or other article of flatware. 142,206; Aug. 14.
Quaker Lace Company: *See*— Hooven, Howard, assignor. Otto, Ferdinand P., assignor. Wolf, William, assignor.
Radcliffe, John C., Jr., Kirkwood, Mo. Preformed airplane hanger, or the like. 142,195; Aug. 14.
Randall, Walter H.: *See*— Parsons, W. E., and Randall.
Redmer, Edwin A. F., Chicago, Ill. Fluid pressure operated chuck. 142,120; Aug. 14.
Reynolds Metals Company: *See*— Barrett, Albert, assignor.
Ristenpart, Chester H.: *See*— Lindgren, Russell B., assignor.
Ristenpart, Chester H., San Francisco, Calif. Desk. 142,121; Aug. 14.
Robitsek, Stefan W., New York, N. Y. Shoe tree. 142,038; Aug. 14.
Rolley, James G., New York, N. Y. Game board. 142,122; Aug. 14.
Rolley, James G., New York, N. Y. Combined game board and periodical support. 142,123; Aug. 14.
Rosenberg Eli, New York, N. Y. Handbag. 142,124; Aug. 14.
Rossi, Paul, Warren, Ohio. Wallet. 142,125; Aug. 14.
Ruehle, Elmer C., Alhambra, Calif. Toy. 142,039; Aug. 14.
Sabatini, John C., West Englewood, assignor to Colonial Neon Company, Inc., North Bergen, N. J. Fluorescent lighting fixture. 142,126; Aug. 14.
Schmitt, Otto L., Denver, Colo. Vaginal diaphragm inserter. 142,040; Aug. 14.
Schraysshuen, Carl, Providence, R. I. Bracelet link. 142,147; Aug. 14.
Shaeffer, Norbert, assignor to Kinney Aluminum Company, Los Angeles, Calif. Cooking vessel or the like. 142,041; Aug. 14.
Sheldrick, Mabel, New York, N. Y. Bathing suit. 142,127; Aug. 14.
Sheldrick, Mabel, assignor to Lee Knitwear Corp., New York, N. Y. Bathing suit. 142,128; Aug. 14.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Canal National Bank of Portland, trustee, Portland, Maine. Pack for fragile articles. 142,129; Aug. 14.
Shipley, Carl V., Chicago, Ill. Safety razor handle. 142,175; Aug. 14.
Shure Brothers: *See*— Wronke, L. J.
Shure, Frances, et al.: *See*— Wronke, Louis J., assignor.
Shure, S. N., et al.: *See*— Wronke, Louis J., assignor.
Smith and Wesson Inc.: *See*— Birk, Emil A., assignor.
Sport-Craft Company: *See*— Frei, Otto, assignor.
Stewart, Donald E., assignor to Winters & Crampton Corporation, Grandville, Mich. Handle for stoves or the like. 142,042; Aug. 14.
Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Drawer pull or similar article. 142,043; Aug. 14.
Swanson, Earl E., San Francisco, and R. Goudy, San Mateo, Calif. Milk carton stopper. 142,196; Aug. 14.
Swanson, Earl E., San Francisco, and R. Goudy, San Mateo, Calif. Milk carton tap. 142,197; Aug. 14.
Swasey, Arthur M., Henderson, Ky. Casing for a calculating device. 142,044; Aug. 14.
Swofford, Peter J., Fort Worth, Tex. Extinguisher ash tray. 142,130; Aug. 14.
Tacón, Luis, and A. L. Cueva, New York, N. Y. Playing card holder or similar article. 142,176; Aug. 14.
Tanzi, Mario, Chicago, Ill. Brooch or similar article of jewelry. 142,045; Aug. 14.
Terrell, Horace, assignor to Espey Manufacturing Company, Inc., New York, N. Y. Radio receiver cabinet. 142,156; Aug. 14.
Terrell, Horace, assignor to Espey Manufacturing Company, Inc., New York, N. Y. Radio receiver cabinet. 142,207; Aug. 14.

Timm Aircraft Corporation: *See*—
Timm, Otto W., assignor.
Timm, Otto W., assignor to Timm Aircraft Corporation, Van Nuys, Calif. Vacuum cleaner. 142,198; Aug. 14.
Timmerman, Ben C., Hibbing, Minn. Child's rocking device. 142,046; Aug. 14.
Tinello, Paul N., assignor of fifty percent to A. Capparelli, Canastota, N. Y. Forty year calendar frame. 142,047; Aug. 14.
Veach, Berce L., St. Louis, Mo. Infant's boot. 142,157; Aug. 14.
Via, Willard R., Panama City, Fla. Toothbrush holder, or similar article. 142,048; Aug. 14.
Waddell, Dean T., Greenfield, Ohio. Display cabinet. 142,049; Aug. 14.
Wallner, George M., Iron Mountain, Mich., assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 142,050; Aug. 14.
Walsh, Freeman R., Waltham, Mass. Manicure appliance. 142,177; Aug. 14.
Waltz, Thomas A., Cincinnati, Ohio. Heat treating apparatus for hardening metal pieces. 142,148; Aug. 14.
Weisfield & Goldberg, Inc.: *See*—
Esh, Barnett, assignor.
Wells-Gardner & Co.: *See*—
Peterson, Clyde A., assignor.
Wemyss, Robert B., Louisville, Ky. Counter display stand for packaged commodities. 142,131; Aug. 14.
White, Paul W., New Haven, Conn. Multiple drafting instrument or the like. 142,051; Aug. 14.
Winters & Crampton Corporation: *See*—
Stewart, Donald E., assignor.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 142,132; Aug. 14.
Woodruff, Albert E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Receiver earpiece. 142,133; Aug. 14.
Wronke, Louis J., Des Plaines, assignor to S. N. Shure, and Frances Shure, trustee, doing business as Shure Brothers, Chicago, Ill. Phonograph pickup arm. 142,052; Aug. 14.
Wronke, Louis J., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Recessed speaker grille frame for a radio cabinet. 142,158; Aug. 14.
Wronke, Louis J., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Recessed speaker grille frame for a radio cabinet. 142,159; Aug. 14.
Wurster, David, New York, N. Y., assignor to J. Bergman, Pittsburgh, Pa. Educational toy for teaching arithmetic. 142,053: Aug. 14.
Young, Matthew L., Huntington Park, Calif. Duplex socket wrench. 142,054; Aug. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaron, Harry, New York, N. Y., assignor to H. E. Page, Pasadena, Calif. Hair clipper. 2,381,867; Aug. 14.
Abrams, John R., Jersey City, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile printing compositions. 2,381,868; Aug. 14.
Addressograph-Multigraph Corporation: *See*—
Sand, Charles H., assignor.
Sandman, Robert C., assignor.
Aero Supply Mfg. Co., Inc.: *See*—
Pain, Edwin F., assignor.
Agre, Courtland Le V., Minneapolis, Minn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making mixed esters. 2,381,888; Aug. 14.
Air Reduction Company, Incorporated: *See*—
Smith, Stephen, assignor.
Aircraft-Marine Products, Inc.: *See*—
Carlson, Vernon E., assignor.
Alexander, David J., Philadelphia, Pa. Physiotherapeutic apparatus. 2,382,841; Aug. 14.
Alfano, Alfonso: *See*—
Katz, J., and Alfano.
Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Gas turbine. 2,382,387; Aug. 14.
Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Gas turbine. 2,382,842; Aug. 14.
Algoma Net Company: *See*—
Anderegg, Edward W., assignor.
Alien Property Custodian: *See*—
Berthiez, Charles W.
Boudin, Louis.
Cito, Cammilo.
Courcy, G., and Durand.
Dällenbach, W., Allerding, and Huttmann.
De Milleville, Marie J. M.
Deutsch, Walther.
Egersdörfer, Fritz.
Elssner, G., and Schröder.
Estienne, Aimé.
Feron, Francois.
Gente, Ernst.
Gosslau, F., Schmidt, and Zarnack.
Gräbener, Heinz.
Hagedorn, Gerhard.
Hentrich, W., Kaiser, and Endres.
Hertel, Heinrich.
Incagnoli, Venanzio.
Kirsebom, Gustaf N.
Korte, H., Waibel, and Metzger.
Kronenberger, Adam.
Loth, W. A., and Guyot.
Löwenstein, Leo.
Molly, Hans.
Müller, Heinz O.
Obtresal, Robert, assignor.
Persin, Jean.
Pott, August F.
Schimanek, Emil.
Schlumberger, Marcel.
Schuttler, Paul.
Szalay, Ferenc.
Tóth, Sándor.
Van Lin, O. A. J., and Hoekstra.
Weiss, U., and Leone.
Wiggermann, Georg.
Zweers, Bernardus, H. H.
Allderdice, Charles E., Jr., assignor to The Bell Co., Inc., Chicago, Ill. Fluid for fluid pressure systems. 2,382,527; Aug. 14.
Allegheny Ludlum Steel Corporation: *See*—
Touceda, E. G., and De Vries, assignors.
Allen, Frank M., Azusa, and C. B. Taylor, Long Beach, assignors to The All-Flex Corporation, Los Angeles, Calif. Flexible pipe coupling. 2,382,375; Aug. 14.
Allen, James R.: *See*—
Chambers, J. C., and Allen.
Allerding, Alfred: *See*—
Dällenbach, W., Allerding, and Huttmann.
All-Flex Corporation, The: *See*—
Allen, F. M., and Taylor, assignors.
Allied Chemical & Dye Corporation: *See*—
Engel, Karl H., assignor.
Allied Plastics Company: *See*—
Nichols, Warren O., assignor.
Allis-Chalmers Manufacturing Company: *See*—
Charley, Walter G., assignor.
Pankey, T. L., and Imhoff, assignors.
Allison, Wilson M., Knockshegowna, Swinburne, O. F. S., Union of South Africa. Cylinder, piston, and crankshaft. 2,382,280; Aug. 14.
Amalgamated Ordnance & Ammunition Machinery Company: *See*—
Hochstetler, Robert J., assignor.
Amberg, Walter E., Beverly Shores, Ind., assignor to Universal Paper Products Company, Chicago, Ill. Shipping container and dispenser for soda straws or the like. 2,382,597; Aug. 14.
American Broach & Machine Co.: *See*—
Podesta, John W., assignor.
American Can Company: *See*—
Eckman, Philip E., assignor.
Robinson, J. E., Bopp, and Millelot, assignors.
American Cyanamid Company: *See*—
Carpenter, E. L., assignor.
Cook, E. W., and Thomas, assignors.
Kaiser, Donald W., assignor.
Miller, A. A., and Bradley, assignors.
American Fork & Hoe Company, The: *See*—
Wood, Conrad, assignor.
American Machine and Foundry Company: *See*—
Jensen, Thormod, assignor.
American Optical Company: *See*—
Pincus, Alexis G., assignor.
American Paper Bottle Company, The: *See*—
Earp, James F., assignor.
American Paper Tube Company: *See*—
Amrhein, H. L., and Feeley, assignors.
Amrhein, H. L., and Fuller, assignors.
American Rolling Mill Company, The: *See*—
Gaston, L. J., Jr., and Pick, assignors.
Wilks, John R., assignor.
American Seal-Kap Corporation of Delaware: *See*—
Goodwin, Carl W., assignor.
American Smelting and Refining Company: *See*—
Buck, L. J., and Veatch, assignors.
Collins, Arthur A., assignor.
American Steel and Wire Company of New Jersey, The: *See*—
Brickman, Alan E., assignor.
American Steel Foundries: *See*—
Kinne, E. P., and Kayler, assignors.
American Tobacco Company, The: *See*—
Dalton, John T., assignor.
American Tool Works Company: *See*—
Hoelscher, William G., assignor.
American Viscose Corporation: *See*—
Calvert, W. R., and White, assignors.
Decker, F. A., Jr., and Spangler, assignors.
Amis, Lewis A., Dallas, Tex. Ripping scissors. 2,382,281; Aug. 14.
Amrhein, Harald L., and E. E. Fuller, assignors to American Paper Tube Company, Woonsocket, R. I. Cop tube or hollow core for packages of yarn and the like. 2,381,869; Aug. 14.
Amrhein, Harald L., and H. J. Feeley, assignors to American Paper Tube Company, Woonsocket, R. I. Spool or bobbin for supporting yarn, thread, cord, or the like. 2,381,870; Aug. 14.
Anderegg, Edward W., assignor to Algoma Net Company, Algoma, Wis. Hammock support. 2,382,528; Aug. 14.
Andersen, Leif: *See*—
Tully, J. K., Andersen, and Jones.
Andersen, Niels Y.: *See*—
Wolters, C. F., and Andersen.
Anderson, Axel L., Toledo, Ohio. Equipment for tire retreading. 2,381,963; Aug. 14.
Anderson, John T.: *See*—
Weber, John A., assignor.
Anderson, Philip P., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,382,123; Aug. 14.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation. Carriage control for accounting machines. 2,382,195; Aug. 14.
Andresen, Hilmar A., assignor of one-half to M. Keim, Chicago, Ill. Compressor. 2,382,598; Aug. 14.
Andrews, P. L., Corporation: *See*—
Hoffman, L., and Dalmen, assignors.
Anholtt, Anders P.: *See*—
Giern, James B.
Annis, Robert B., Indianapolis, Ind. Electronic type balancer. 2,382,843; Aug. 14.
Antalek, John J., assignor to Virgil Hamilton, doing business as Hamilton Associated Industries, Chicago, Ill. Phonograph. 2,382,461; Aug. 14.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,382,934; Aug. 14.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Variable speed drive mechanism. 2,382,935; Aug. 14.

Armour and Company: *See*—
Schultz, Kristian, assignor.

Arms, Richard P., Cambridge, Mass., assignor to General Electric Company. Gas engine exhaust flame quencher. 2,382,386; Aug. 14.

Armstrong Cork Company: *See*—
Dunlap, Lawrence H., assignor.
Weber, Karl H., assignor.

Armstrong, Robert T., assignor to United States Rubber Company, New York, N. Y. Vulcanization accelerators. 2,382,769; Aug. 14.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,382,844; Aug. 14.

Arnold, George B., Beacon, assignor to The Texas Company, New York, N. Y. Refining of rosin. 2,382,196; Aug. 14.

Arnold, Michael H. M., and W. E. Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of sulphur nitride. 2,382,845; Aug. 14.

Art in Buttons, Incorporated: *See*—
Magin, Jacob B., assignor.

Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,381,857; Aug. 14.

Atlantic Refining Company, The: *See*—
Griesinger, William K., assignor.
Thompson, Kenneth M., assignor.

Auer, László, South Orange, N. J. Preparation of chlorinated rubber compositions. 2,382,529; Aug. 14.

Auer, László, South Orange, N. J. Manufacture of soaps. 2,382,530; Aug. 14.

Auer, László, South Orange, N. J. Soap manufacture. 2,382,531; Aug. 14.

Auer, László, South Orange, N. J. Vulcanized fatty oil emulsions. 2,382,532; Aug. 14.

Auer, László, South Orange, N. J. Oil in water dispersions. 2,382,533; Aug. 14.

Austin, Chester R., and J. D. Sullivan, assignors to Battelle Memorial Institute, Columbus, Ohio. Selenium ruby glass. 2,382,282; Aug. 14.

Austin, George L., Seattle, Wash. Hand truck. 2,381,858; Aug. 14.

Auto Research Corporation: *See*—
Kocher, Edward H., assignor.

Automatic Electric Laboratories, Inc.: *See*—
Riebe, Theodore C., assignor.

Automatic Telegraph and Radio Tranceiver Company Limited, The.: *See*—
Brain, Harry E., assignor.

Automotive Engineering Company Limited, The: *See*—
White, Percy, assignor.

Ayers, George W., Chicago, and L. M. Henderson, Winnetka, assignors to The Pure Oil Company, Chicago, Ill. Removing mercaptans from hydrocarbon oil. 2,381,859; Aug. 14.

B. B. Chemical Co.: *See*—
Griswold, Stanley M., assignor.

Babcock & Wilcox Company, The: *See*—
Ebbets, George D., assignor.

Babel, Byron A., Highland, Calif. Vending machine. 2,382,197; Aug. 14.

Bacon, Walter M., F. S. Kinkead, New York, and J. A. Krecek, New Rochelle, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,381,871; Aug. 14.

Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Links and ornamental fabric therefrom. 2,381,860; Aug. 14.

Bahnson, Agnew H., Jr., Winston-Salem, N. C. Atomizer. 2,382,124; Aug. 14.

Baily, Thaddeus F., Canton, Ohio. Melting and refining ferrous metals. 2,382,534; Aug. 14.

Bakelite Corporation: *See*—
Catlow, William R., Jr., assignor.

Baker, Burton E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutting quartz crystals and apparatus for preparing quartz crystals for cutting. 2,381,993; Aug. 14.

Baker, Clarence I., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial horizon and bank indicator for aircraft trainers. 2,381,872; Aug. 14.

Bales, James E.: *See*—
Loeb, E. F., and Bales.

Balkins, Almon J., Alhambra, Calif. Telephone support. 2,382,125; Aug. 14.

Ball, Richard N.: *See*—
Van Dellen, E., and Ball, assignors.

Ballard, L. O., et al.: *See*—
Fees, John N., assignor.

Baly, Wilfred F.: *See*—
Thornton, A. M., and Baly.

Barber, Charles C., Rockville Center, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Differential gearing. 2,382,846; Aug. 14.

Bardons and Oliver, Inc.: *See*—
Kylin, Oskar, assignor.

Barnett, Harry, Glencoe, assignor to The Powers Regulator Company, Chicago, Ill. Thermostatic mixer. 2,382,283; Aug. 14.

Barron-Gray Packing Company: *See*—
Erickson, A. M., and Ryan, assignors.

Basic Refractories, Inc.: *See*—
Lee, H. C., Lee, and Schoenlaub, assignors.

Batchelder, Dean E., assignor to Lane-Wells Company, Los Angeles, Calif. Setting tool for bridging plugs. 2,382,770; Aug. 14.

Battelle Memorial Institute: *See*—
Austin, C. R., and Sullivan, assignors.

Bauer, Benjamin B., assignor to S. N. Shure and F. Shure, as trustee, doing business as Shure Brothers, Chicago, Ill. Translating device. 2,381,861; Aug. 14.

Bauer, Norman T., Kenmore, assignor to Buffalo Forge Company, Buffalo, N. Y. Axial flow fan. 2,382,535; Aug. 14.

Baumann, Charles L., Jr., New York, N. Y. Control apparatus for engines. 2,382,847; Aug. 14.

Baumgartner, Hans, Zurich, Switzerland. Electroacoustic transmission plant for reproduction in places with noise disturbances. 2,382,848; Aug. 14.

Baxter, Thomas R., Plainfield, N. J., assignor to Standard Brands Incorporated, New York, N. Y. Package of liquid material and container therefor. 2,382,536; Aug. 14.

Bay Chemical Company, Inc.: *See*—
Comstock, R. L., and Reeves, Jr., assignors.

Bear, Grover C.: *See*—
Tiede, Arthur J., assignor.

Beasley, Horace H., North Bergen, N. J. Wringer. 2,382,388; Aug. 14.

Beattie, Horace S., East Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,381,862; Aug. 14.

Beaver, David J., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Oil resistant thermoplastic and making. 2,382,462; Aug. 14.

Beaver, Howard W., Eagle Rock, Calif. Animal toy. 2,382,537; Aug. 14.

Bedford, William A., Jr., Boston, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Spring nut member. 2,382,936; Aug. 14.

Beikirch, Edward G., Rochester, N. Y. Combined photomount and frame. 2,381,964; Aug. 14.

Belchetz, Arnold, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of anhydrous magnesium chloride. 2,381,994; Aug. 14.

Belchetz, Arnold, Kew Gardens, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of anhydrous magnesium chloride. 2,381,995; Aug. 14.

Bel Geddes, Norman: *See*—
Wales, Nathaniel B., assignor.

Bel Geddes, Norman and Company: *See*—
Wales, Nathaniel B.

Bell Aircraft Corporation: *See*—
Trotter, John C., assignor.
Young, Arthur M., assignor.

Bell Co., Inc., The: *See*—
Allderdice, Charles E., Jr., assignor.

Bell & Howell Company, The: *See*—
Howell, A. S., assignor.

Bell Telephone Laboratories, Incorporated: *See*—
Bacon, W. M., Kinkead, and Krecek, assignors.
Baker, Clarence I., assignor.
Barber, Charles C., assignor.
Branson, David E., assignor.
Leuvelink, Bernard, assignor.
Marble, Frank G., assignor.
Mathes, Robert C., assignor.
McKim, B., and Myers, assignors.
Miller, Ohmer R., assignor.
Nesbitt, Ethan A., assignor.
Parker, R. D., and Weaver, assignors.
Priessman, Neil Y., assignor.
Shann, Oscar A., assignor.

Belle Isle, A. L.: *See*—
Hicks, James A., assignor.

Belmag Zurich, Beleuchtungs-& Metallindustrie Aktiengesellschaft: *See*—
Eigenheer, Jakob, assignor.

Bemis Bro. Bag Company: *See*—
Williams, Russell J., assignor.

Bencowitz, Isaac, Newgulf, assignor to Texas Gulf Sulphur Company, Houston, Tex. Producing factis. 2,382,284; Aug. 14.

Bender, Richard O.: *See*—
Pedersen, C. J., and Bender.

Bendix Aviation Corporatino: *See*—
Bremser, Albert T., assignor.
Frazier, Elmer E., assignor.
Nardone, Romeo M., assignor.

Benedek, Elek K., Bucyrus, Ohio. Propeller mechanism. 2,382,389; Aug. 14.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungusproofing textiles. 2,381,863; Aug. 14.

Benner, Inc.: *See*—
Schiemer, Charles J., assignor.

Bennett, Gardell L., and F. Dyer, Schenectady, N. Y., assignors to General Electric Company. Cam. 2,382,849; Aug. 14.

Bennett, Robert M., Ithan, Pa., assignor to General Electric Company. Gas blast electric circuit breaker. 2,382,850; Aug. 14.

Bergel, Franz, N. C. Hindley, A. L. Morrison, and H. Rinderknecht, assignors to Roche Products Limited, Welwyn Garden City, England. Manufacture of arylacetonitrile derivatives. 2,382,285; Aug. 14.

Bergman, Seymour, Dover, N. J. Soldering iron. 2,382,390; Aug. 14.

Berman, Minnie, Roxbury, Mass. Screen for baby pens. 2,382,851; Aug. 14.

Berman, Philip, New York, N. Y. Eductor. 2,382,391; Aug. 14.

Berry, Norton E., Summit, N. J., assignor to General Foods Corporation, New York, N. Y. Solvent extraction of solid materials. 2,381,965; Aug. 14.

Berry, William E.: *See*—
Wilson, M. M., and Berry.

Berthiez, Charles W., Paris, France; vested in the Alien Property Custodian. Rail clamping device for planers and the like. 2,382,392; Aug. 14.

Beyer, Charles E., Rosamond, Calif. Oil burner. 2,382,463; Aug. 14.

Billé, Warren G., Seattle, Wash. Wave damping device. 2,382,393; Aug. 14.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Portable electric lighting fixture. 2,382,538; Aug. 14.

Binks Manufacturing Company: *See*—
Roche, John F., Jr., assignor.

Bishop, William H., and W. E. Clements, Birmingham, England. Panel and control mechanism therefor. 2,381,966; Aug. 14.

Bliton, Wellington R., North Vancouver, British Columbia, Canada. Life boat. 2,382,126; Aug. 14.

Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Knockdown body for trailers. 2,382,376; Aug. 14.

Blackmon, John M., and J. F. Le Gere, Rock Hill, S. C. Stand hook. 2,382,852; Aug. 14.

Blair, William W., Lakewood, Ohio. Refrigerated display case. 2,382,599; Aug. 14.

Blake, Robert W., Chicago, Ill., assignor to Shand & Jurs Company. Liquid level indicator. 2,382,377; Aug. 14.

Blihovde, Norman, Ridgewood, assignor to Jacques Wolf & Company, Passaic, N. J. Purification of Irish moss. 2,382,286; Aug. 14.

Bliss, E. W., Company: *See*—
Rode, F. J., and Hatch, assignors.

Bliss, Harvey N.: *See*—
Graydon, S., Jr., and Bliss.

Bloedorn, Clyde H., Evanston, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening reclosable container. 2,382,378; Aug. 14.

Blomstrom, F. Allan: *See*—
Carlberg, August E., assignor.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Azeotropic distillation. 2,381,996; Aug. 14.

Bobst, Henri, and J. Kury, Lausanne, assignors to J. Bobst & Fils, S. A., Prilly, Switzerland. Device for releasably securing plates or tools to platen presses. 2,382,600; Aug. 14.

Bobst, J., and Fils, S. A.: *See*—
Bobst, H., and Kury, assignors.

Bockus, Rubert C., Gardner, and H. J. Landry, South Ashburnham, assignors to Gem Crib and Cradle Company, Gardner, Mass. Infant's play yard. 2,381,967; Aug. 14.

Boegehold, Alfred L., and E. H. Terry, assignors to General Motors Corporation, Detroit, Mich. Making sintered powdered iron articles. 2,382,601; Aug. 14.

Boese, Albert B., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of unsaturated carboxylic acids. 2,382,464; Aug. 14.

Bollinger, Waldon P., Audubon, N. J., assignor to Radio Corporation of America. Oscillator stabilizing circuit. 2,382,198; Aug. 14.

Bolsey, Jacques, New York, N. Y. Editing table. 2,381,997; Aug. 14.

Bonnafe, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Rotatable broach holder. 2,381,998; Aug. 14.

Bonnafe, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Work holding fixture for broaching machines. 2,381,999; Aug. 14.

Bonneville, Limited: *See*—
Weiner, Nathan, assignor.

Bopp, Frank H.: *See*—
Robinson, J. E., Bopp, and Millelot.

Borden Company, The: *See*—
Supplee, G. C., Jensen, and Flanigan, assignors.

Borg-Warner Corporation: *See*—
Ingersoll, Roy C., assignor.
Moffitt, William E., assignor.
Orr, Palmer, assignor.
Stuhlman, F. A., and Doderer, assignors.

Bossi, Enea W., New York, N. Y. Aircraft with rotary blade system. 2,381,968; Aug. 14.

Boucher, Charles P.: *See*—
Keiser, R. W., and Boucher.

Boucher and Keiser Company: *See*—
Keiser, Russell W., assignor.
Keiser, R. W., and Boucher, assignors.

Boudin, Louis, Saint-Gobain, France; vested in the Alien Property Custodian. Apparatus for the continuous production of corrugated glass sheets. 2,382,379; Aug. 14.

Bowers, Louis E., Phoenix, Ariz. Medicine dropper. 2,382,771; Aug. 14.

Bradbury, William T., Oreland, Pa., and C. E. Chesser and H. F. Lieber, assignors to Newark Stove Company, Newark, Ohio. Automatic magazine feed solid fuel heater. 2,382,287; Aug. 14.

Bradford, Purdy: *See*—
Young, H. H. and C. S., and Bradford.

Bradley, Theodore F.: *See*—
Miller, A. A. and Bradley.

Brady, Francis E., Jr., Muncie, Ind. Pump. 2,382,539; Aug. 14.

Brain, Harry E., London, W. C. 1, assignor to The Automatic Telegraph and Radio Transceiver Company, Limited, London, England. Telegraphic transmission apparatus. 2,382,127; Aug. 14.

Braker, William, Brooklyn, and E. Pribyl, Astoria, assignors to E. R. Squibb & Sons, New York, N. Y. 6-amino nicotinamide derivatives. 2,381,873; Aug. 14.

Brammer, Frederick C., and W. C. H. West, assignors, to Thames Board Mills Limited, Purfleet, England. Pneumatic control. 2,382,853; Aug. 14.

Brandt, Henry, et al.: *See*—
Fees, John N., assignor.

Brandwein, A. & Company: *See*—
Kelly, Dwight N., assignor.

Branson, David E., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,382,128; Aug. 14.

Braun, Geza and O. N. Breivik, assignors to Standard Brands, Incorporated, New York, N. Y. Separation of hydroxy carboxylic acids. 2,382,288; Aug. 14.

Brayley, John, trustee: *See*—
Streater, Edward C., assignor.

Brecher, Irving: *See*—
Lesavoy, I. L., and Brecher.

Breese, James L., and B. Hayter, assignors to Oil Devices, Santa Fe, N. Mex. Pot type burner with corrugated pilot ring. 2,381,864; Aug. 14.

Breivik, Orville N.: *See*—
Braun, Geza, and Breivik.

Bremner, John G. M., P. W. Reynolds, and A. W. C. Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Treatment of hydrocarbons. 2,382,394; Aug. 14.

Bremser, Albert T., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection pump. 2,382,000; Aug. 14.

Breslee Mfg. Company: *See*—
Hornstein, Morton, assignor.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Airplane tow target release device. 2,382,854; Aug. 14.

Brink, Edwin H., Drexel Hill, Pa., assignor to General Electric Company. Electric apparatus. 2,382,199; Aug. 14.

Brittain, Eric H.: *See*—
Standinger, H. P., Tuerck, and Brittain.

Britton, Glynn A., Washington, D. C. Knockdown container. 2,382,874; Aug. 14.

Brougher, John R., Calvert, Tex. Attachment for paper-cutting machines. 2,382,129; Aug. 14.

Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Fuse link. 2,382,602; Aug. 14.

Brown Instrument Company, The: *See*—
Goss, Louis, assignor.
Vollrath, Joseph P., assignor.

Brozek, Lawrence, Jackson Heights, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Securing means. 2,382,947; Aug. 14.

Brozek, Lawrence, Jackson Heights, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Open retaining ring. 2,382,948; Aug. 14.

Brubaker, Merlin M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester. 2,381,883; Aug. 14.

Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,381,889; Aug. 14.

Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,382,200; Aug. 14.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Bis(2-cyanoethyl) ether and making same. 2,382,036; Aug. 14.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Norpolycyclopentadiene monohydrohallides. 2,382,037; Aug. 14.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Trihalo-tetrahydronorpolycyclopentadienes. 2,382,038; Aug. 14.

Bryant, Charles M., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for treating wells. 2,381,875; Aug. 14.

Buchanan, George T., Winnsboro, S. C. Coagulant method. 2,381,865; Aug. 14.

Buck, Luther J., and C. E. Veatch, Alton, Ill., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for flue dust removal. 2,382,855; Aug. 14.

Budd, Edward G., Manufacturing Company: *See*—
Smith, John F. D., assignor.
Trautvetter, George, assignor.
Watter, Michael, assignor.
Weightman, William A., assignor.
Whitesell, John C., Jr., assignor.

Budd Induction Heating, Inc.: *See*—
Somes, Howard E., assignor.

Budd Wheel Company: *See*—
Coombes, Joseph H., assignor.
Eksergian, Carolus L., assignor.
Eksergian, C. L., and Coombes, assignors.
Eksergian, C. L., and Gaenssle, assignors.
Gaenssle, P. W., and Stacy, assignors.

Buell, Charles K., Buenavista, Tex., assignor to Phillips Petroleum Company. Vinylacetylene purification. 2,382,603; Aug. 14.

Buffalo Compressor and Air Cnditioning Corporation: *See*—
Johnson, G. C., and Hathaway, assignors.

Buffalo Forge Company: *See*—
Bauer, Norman T., assignor.

Bulova Watch Company: *See*—
Kupchick, Edward, assignor.

Burbank, William E., Westfield, and D. H. Mitchell, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Truck. 2,382,856; Aug. 14.

Burgess, Everett H.: *See*—
Lehane, T. J., and Burgess.

Burke, Joseph R., H. L. Worthington, and G. Runciman, Seattle, Wash. Timber load carrying member. 2,382,201; Aug. 14.

Burns, Louis G.: *See*—
Grey, R. E., and Burns.

Burt, Robert C., Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Force gauge. 2,382,289; Aug. 14.

Bush, Burton T., Inc.: *See*—
Carpenter, Marion S., assignor.

Bustamante, Cesar, assignor to E. Gut, New York, N. Y. Grenade thrower. 2,382,540; Aug. 14.

Butcher, Lionel D.: *See*—
Wadman, W. V., and Butcher.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible cellular carton. 2,382,202; Aug. 14.

Buttner, Harold H., Rye, N. Y. Toasting device. 2,382,380; Aug. 14.

Byard Manufacturing Company, Limited: *See*—
Hunter, Albert E., assignor.

Cadeau, Alvin P., Burlington, Ontario, Canada, assignor, by mesne assignments, to S. A. Felton & Son Company, Portland, Maine. Dabbing brush. 2,382,541; Aug. 14.

Cairns, Robert W., Wilmington, Del., and R. L. Stern, South River, N. J., assignors to Hercules Powder Company, Wilmington, Del. Treatment of nitrocellulose. 2,382,130; Aug. 14.

California Research Corporation: *See*—
Farrington, B. B., Clayton, and Rutherford, assignors.
Kavanagh, F. W., Farrington, and Clayton, assignors.
Long, Richard H., assignor.

Callander, Marshall E., Columbia, Mo. Manufacture of mineral wool. 2,382,290; Aug. 14.

Callaway Mills: *See*—
Parker, Samuel P., assignor.

Calvert, Willard R., Burnham, and B. E. White, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del. Gas testing method and apparatus. 2,382,381; Aug. 14.

Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Foot visualizer. 2,382,131; Aug. 14.

Cameron, William J.: *See*—
Cameron, Alexander S., assignor.
Sheiffele, Arthur L., assignor.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,382,857; Aug. 14.

Camloc Fastener Corporation: *See*—
Summers, J. Mills, assignor.

Campbell, A. S., Co., Inc.: *See*—
Hill, Hillary L., assignor.

Canady, Don, Cleveland, assignor to Dayton Acme Co., Cincinnati, Ohio. Film feeding mechanism. 2,382,772; Aug. 14.

Cape, Arthur T., Santa Cruz, Calif., and C. V. Foerster, and H. L. Griswold, Canton, Ohio, assignors to Coast Reduction, Inc., Watsonville, Calif. Method of and apparatus for direct reduction of iron ores. 2,382,395; Aug. 14.

Capstaff, John G., and O. E. Miller, assignors to Eastman Kodak Company, Rochester, N. Y. Printer for lenticular color films. 2,382,604; Aug. 14.

Carbide and Carbon Chemicals Corporation: *See*—
Boese, Albert B., Jr., assignor.
Schuh, Charles, assignor.

Carlberg, August E., assignor, by mesne assignments, to F. Allan Blomstrom, Worcester, Mass. Extensible hand tool. 2,382,291; Aug. 14.

Carlile, Lee E., San Francisco, Calif. Relaxing bench. 2,382,542; Aug. 14.

Carliss, Oswald S., Fairfield, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Play eliminative recording mechanism. 2,382,132; Aug. 14.

Carlsmith, Leonard E., and H. J. Ogorzaly, Baton Rouge, La., assignors to Standard Oil Development Company. Reactivation of catalyst. 2,382,382; Aug. 14.

Carlson, Harrison C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating sulphur dioxide and chlorine by distillation. 2,381,876; Aug. 14.

Carlson, Theodore E., Cumberland, Md., assignor to Celanese Corporation of America. Warping machine. 2,382,465; Aug. 14.

Carlson, Vernon E., Cranford, assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Tool for making electrical connections. 2,382,292; Aug. 14.

Carlu, Anne N., New York, N. Y. Three-in-one garment. 2,382,396; Aug. 14.

Carpenter Container Corporation: *See*—
Carpenter, Herbert L., assignor.

Carpenter, Erwin L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Purification of acrylonitrile. 2,382,383; Aug. 14.

Carpenter, Herbert L., assignor to Carpenter Container Corporation, Brooklyn, N. Y. Container. 2,382,858; Aug. 14.

Carpenter, Marion S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. 1-methoxy-2-amino-4-nitro-5-methyl-benzene and making the same. 2,381,877; Aug. 14.

Carson, William F., Jr., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Preparation of camphene from pinene. 2,382,397; Aug. 14.

Carssow, John F., Los Angeles, assignor to Sam M. Jarvis, Glendale, Ferris I. Palmer, Burbank, and E. Fetschke, Glendale, Calif. Carburetor ice warning gauge. 2,382,365; Aug. 14.

Carter Carburetor Corporation: *See*—
Hodges, Ralph R., assignor.

Carter, Ralph B., Jr., West Englewood, assignor to Ralph B. Carter Company, Hackensack, N. J. Apparatus for effecting clarification of turbulent liquid by flocculation. 2,382,605; Aug. 14.

Carter, Ralph B., Company: *See*—
Carter, Ralph B., Jr., assignor.

Casablancas High Draft Company Limited: *See*—
Noguera, Joseph, assignor.

Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile printing pastes and textiles produced therefrom. 2,381,878; Aug. 14.

Castings Patent Corporation: *See*—
Hagemeyer, Henry F., assignor.

Catlow, William R., Jr., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Complex resinous esters. 2,381,969; Aug. 14.

Caulk, John R., Jr., Ladue, and R. E. Davis, St. Louis, Mo., assignors, by mesne assignments, to C. V. Hill & Company, Inc., Trenton, N. J. Open refrigerated display case. 2,382,937; Aug. 14.

Celanese Corporation of America: *See*—
Carlson, Theodore E., assignor.
Dreyfus, Henry, assignor.

Century Motors Corporation: *See*—
Dusevoir, Julius, assignor.

Chambers, Francis S., Jr., Woodbury, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trinitrotoluene. 2,382,133; Aug. 14.

Chambers, Jewell C., Los Angeles, Calif.; and J. R. Allen, Forest Hills, N. Y., assignors to Simmonds Aerocessories, Inc. Self-aligning bearing structure. 2,382,773; Aug. 14.

Chandler-Evans Corporation: *See*—
Gilbert, Stanley W., assignor.

Chandler, James F., assignor to Colonial Radio Corporation, Buffalo, N. Y. Automatic tuning control circuit. 2,382,203; Aug. 14.

Change-A-Blade Corporation: *See*—
Snell, Francis A., assignor.

Channon, Hiram B., Portsmouth, assignor to Virginia Smelting Company, West Norfolk, Va. Chrome tanning solutions and making and using the same. 2,382,204; Aug. 14.

Chapman, Stuart H., Lima, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stoker apparatus. 2,382,293; Aug. 14.

Charis Corporation: *See*—
Sarachek, Moe, assignor.

Charley, Walter G., La Crescent, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural implement. 2,382,001; Aug. 14.

Chemical, B-B., Co.: *See*—
Griswold, Stanley M., assignor.

Chesser, Cecil E.: *See*—
Bradbury, W. T., Chesser, and Lieber.

Chicago Eye Shield Company: *See*—
Whipple, Willis Z., assignor.

Chipman Spinning Mills, Inc.: *See*—
Hardie, Donald C., assignor.

Chittum, Joseph F., Whittier, assignor to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitation. 2,381,879; Aug. 14.

Chriswell, Frederick W., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Log bunk. 2,382,002; Aug. 14.

Ciba Pharmaceutical Products, Incorporated: *See*—
Hartmann, M., and Druey, assignors.
Hofmann, Klaus, assignor.

Cipressi, Alfred, Philadelphia, Pa. Window sash attachment. 2,382,294; Aug. 14.

Cito, Camillo, Uccle-Brussels, Belgium; vested in the Alien Property Custodian. Manufacture of shaped metal products. 2,382,384; Aug. 14.

Clark, Leon D., Sklatook, Okla. Hand-gripping tool. 2,382,606; Aug. 14.

Clark, Robert H.: *See*—
Smith, Lawson A., assignor.

Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Dictation machine. 2,382,607; Aug. 14.

Clayton, James O.: *See*—
Farrington, B. B., Clayton, and Rutherford.
Kavanagh, F. W., Farrington, and Clayton.

Clements, Wilfred E.: *See*—
Bishop, W. H., and Clements.

Clerc, Leonard F., Chicago, Ill. Refrigerated shipping container for use with aircraft. 2,382,859; Aug. 14.

Cleveland Pneumatic Tool Company, The: *See*—
Lear, Earl B., assignor.

Coast Reduction, Inc.: *See*—
Cape, A. T., Foerster, and Griswold, assignors.

Coats, Paul B., Chicago, Ill. Broom duster. 2,382,205; Aug. 14.

Cockerell, Christopher S., Chelmsford, England, assignor to Radio Corporation of America. Holder for piezoelectric crystals. 2,382,366; Aug. 14.

Coffin, George M., Hinsdale, Ill. Trapper's tool. 2,382,774; Aug. 14.

Cole, Allen T.: *See*—
Schilling, K. F., Cole, Duke, and Houston.

Collins, Arthur A., El Paso, Tex., assignor to America Smelting and Refining Company, New York, N. Y. Smelting copper-lead drosses and the like. 2,381,970; Aug. 14.

Colonial Radio Corporation: *See*—
Chandler, James F., assignor.

Colt's Patent Fire Arms Manufacturing Company, *See*—
Ironside, George, assignor.
Swartz, William L., assignor.
Webb, George, assignor.

Commer Cars Limited: *See*—
White, Charles H., assignor.

Compo Shoe Machinery Corporation: *See*—
Macdonald, Kenneth W., assignor.

Compton, Norman A., Suitland, Md. Ridge counter appliance. 2,382,206; Aug. 14.

Comstock, Rock L., and H. F. Reeves, Jr., Weeks, assignors to Bay Chemical Company, Inc., New Orleans, La. Furfural stabilizer. 2,382,207; Aug. 14.

Condit, Park N., Newton, Mass. Absorbent holder. 2,382,385; Aug. 14.

Cone Automatic Machine Company, Inc.: *See*—
Ingalls, John, assignor.

Cones, Ben, Indianapolis, Ind. Clothes closet pole. 2,382,003; Aug. 14.

Connecticut Web and Buckle Company, The: *See*—
Oliver, Lee, assignor.

Connell, John L., assignor to National Broach & Machine Company, Detroit, Mich. Headstock. 2,382,608; Aug. 14.

Conrad, Albert G., Mount Carmel, assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Electrical measuring instrument. 2,382,295; Aug. 14.

Continental Can Company, Inc.: *See*—
Bloedorn, Clyde H., assignor.
Laxo, Ed, assignor.

Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dithiophosphoric acids and salts thereof. 2,382,775; Aug. 14.

Cook, James F., Albany, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,382,860; Aug. 14.

Coombes, Joseph H.: *See*—
Eksergian, C. L., and Coombes.

Coombes, Joseph H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,543; Aug. 14.

Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Apparatus for declustering fruit. 2,382,134; Aug. 14.

Cooper, William A., assignor to William Cotton Limited, Loughbough, England. Cotton's patent and other straight bar knitting machine. 2,382,544; Aug. 14.

Corbin, Francis L., Chatham, N. J., assignor to Pitometer Log Corporation, New York, N. Y. Fore-and-aft draft indicator. 2,382,691; Aug. 14.

Corbin, Philip J., Salisbury, Mass. Structural element. 2,382,208; Aug. 14.

Cordero, Tulio, West Roxbury, Mass., assignor to United-Rexall Drug Company. Transparent mixture. 2,382,398; Aug. 14.

Corhart Refractories Company: *See*—
Field, T. E., and Smyth, assignors.

Corning Glass Works: *See*—
Gray, David E., assignor.
Hood, Harrison P., assignor.
McGregor, R. R., and Warrick, assignors.

Cotton, William, Limited: *See*—
Cooper, William A., assignor.

Courcy, Georges, Le Pecq, and M. P. Durand, St.-Germain-en-Laye, France; vested in the Alien Property Custodian. Mechanical-electrical sound reproducer. 2,382,692; Aug. 14.

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Resin acid lactone and its production. 2,382,545; Aug. 14.

Crabtree, J. A., & Co.: *See*—
McLoughlin, H. F., Hill, Morgan, and Wintle, assignors.

Crafts, Walter, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Hardenable steels. 2,382,466; Aug. 14.

Crafts, Walter, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Fine-grained steel hardened article. 2,382,467; Aug. 14.

Creed and Company Limited: *See*—
Salmon, Reginald D., assignor.

Crew, David, Kingston by-pass, New Malden, assignor to Reid & Sigrist Limited, New Malden, Surrey, England. Air-driven gyroscopic instrument. 2,382,135; Aug. 14

Crocker, Luther A., Portland, Oreg. Buffing rasp and making same. 2,382,209; Aug. 14.

Crosby, Melvin A.: *See*—
Luaces, E. L., and Crosby.

Crosby, Melvin A., Dayton, Ohio., assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Apparatus for induction heating of molding machines. 2,381,866; Aug. 14.

Crossfield Products Corp.: *See*—
Patch, Harold K., assignor.

Crowell, Oscar H., Russellville, Ala. Razor blade with integral guard. 2,382,296; Aug. 14.

Crowley, Henry L., South Orange, and A. M. Hossenlopp, Metuchen, assignors to Henry L. Crowley & Company, Inc., West Orange, N. J. Ceramic bodies and producing same. 2,382,136; Aug. 14.

Crowley, Henry L., South Orange, and A. M. Hossenlopp, Metuchen, assignors to Henry L. Crowley & Company, Inc., West Orange, N. J. Steatite-type body and producing same. 2,382,137; Aug. 14.

Crowley, Henry L., & Company, Inc.: *See*—
Crowley, H. L., and Hossenlopp, assignors.

Crown Cork & Seal Company, Inc.: *See*—
McManus, C. E., and Elder, assignors.

Crowther, George A., Manhasset, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire control computer. 2,382,776; Aug. 14.

Cueni, Clemens P., Arlington, assignor to Porete Manufacturing Company, North Arlington, N. J. Composite beam structure. 2,382,138; Aug. 14.

Cueni, Clement P., Arlington, assignor to Porete Manufacturing Company, North Arlington, N. J. Prestressed composite structure. 2,382,139; Aug. 14.

Culbertson, George A., Long Branch, N. J., assignor to The Union Switch and Signal Company, Swissvale, Pa. Vehicle counting apparatus. 2,382,140; Aug. 14.

Cull, Fred A., Beaumont, Tex. Discharge outlet. 2,382,468; Aug. 14.

Cummins, Earl, Kalamazoo, Mich. Thread cutter for tying machines. 2,382,210; Aug. 14.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester. 2,381,880; Aug. 14.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ester. 2,381,882; Aug. 14.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,381,886; Aug. 14.

Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Floor coverings. 2,382,297; Aug. 14.

Curado, Joseph G., Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Printing ink, printing, and article for use therewith. 2,382,861; Aug. 14.

Curran, Frank M., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Method of and apparatus for molding trays. 2,382,004; Aug. 14.

Curtis, David, New York, N. Y. Anesthetic solutions. 2,382,546; Aug. 14.

Dahlberg, Tord O. R., Nockeby and K. M. Vigborg, assignors to Kooperativa Forbundet Forening, U. P. A., Stockholm, Sweden. Gunnery practice device. 2,382,777; Aug. 14.

Dale, Clarence R., assignor of thirteen and seventy-five one hundredths per cent to J. R. Pemberton, and forty-five per cent to Technical Oil Tool Corporation, Ltd., Los Angeles, Calif. Recording instrument for oil wells. 2,382,609; Aug. 14.

D'Alelio, Gaetano F., and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Reaction products of aldehydes and diazine derivatives. 2,382,211; Aug. 14.

Dällenbach, Walter, Berlin W 35, A. Allerding, Berlin-Friedrichshafen, and E. Huttmann, Berlin-Kopenick, Germany; vested in the Alien Property Custodian. Oscillator-modulator circuit. 2,382,693; Aug. 14.

Dalmen, August: *See*—
Hoffman, L., and Dalmen.

Dalton, John T., Durham, N. C., assignor to The American Tobacco Company, New York, N. Y. Machine for securing tags to bag strings. 2,382,778; Aug. 14.

Dann, Morris, Cleveland, Ohio. Artificial respiration and aspiration apparatus. 2,382,610; Aug. 14.

Darley, Ralph E., Glen Burnie, Md., assignor to Standard Oil Development Company. Lubricant manufacture. 2,382,694; Aug. 14.

Darling, Robert B., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Treatment of cellulose. 2,382,399; Aug. 14.

Darnell, Victor L.: *See*—
Leflar, J., and Darnell.

Da Roza, Francis G., Ferndale, and F. E. Hill, assignors to General Motors Corporation, Detroit, Mich. Interlocking system. 2,382,611; Aug. 14.

Datin, Richard C., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Pebbling ammonium nitrate. 2,382,298; Aug. 14.

Davis, Alfred: *See*—
Newsome, J. H., and Davis.

Davis, Augustine, Jr., Cincinnati, Ohio. Armored car. 2,382,862; Aug. 14.

Davis, Gaar: *See*—
Foltz, C., and Davis.

Davis, Russell E.: *See*—
Caulk, J. R., Jr., and Davis.

Dawson, Edward L., and H. Taylor, assignors to Turner Brothers Asbestos Company Limited, Spotland, Rochdale, England. Fabric pad for laundry and like presses. 2,382,141; Aug. 14.

Day-Brite Lighting, Inc.: *See*—
Biller, David J., assignor.

Dayton Acme Co.: *See*—
Canady, Don, assignor.

Dayton Rubber Manufacturing Company, The: *See*—
Luaces, E. L., and Crosby, assignors.

Decker, Ferdinand A., Jr., and L. K. Spangler, Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Wrapper for wound filamentary masses. 2,382,400; Aug. 14.

Decker, John A., Bayonne, and D. P. Wilkes, Raritan Township, Middlesex County, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 2,382,863; Aug. 14.

Deere & Company: *See*—
Hayes, J. B., and Dort, assignors.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Tank contents gauge with correction for temperature. 2,382,695; Aug. 14.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esterification reaction product and making same. 2,382,612; Aug. 14.

Deimel, Albert H.: *See*—
Peterson, C. D., and Deimel.

Deiters, August M., assignor to Southern Wood Preserving Company, Atlanta, Ga. Loading and unloading crane. 2,382,299; Aug. 14.

De Juhasz, Kalman J., State College, Pa. Maximum pressure gauge. 2,382,547; Aug. 14.

De la Peña, Juan M., Mexico City, Mexico. Apparatus for making hand knitted garments. 2,382,614; Aug. 14.

De Laval Steam Turbine Company: *See*—
Haverstick, John S., assignor.

Del Riccio, Lorenzo, Los Angeles, Calif. Photographic method. 2,382,616; Aug. 14.

Del Riccio, Lorenzo, Los Angeles, Calif. Photographically recording the order of passage of moving objects. 2,382,617; Aug. 14.

De Milleville, Marie J. M., Paris, France; vested in the Alien Property Custodian. Method and apparatus for filling containers. 2,382,696; Aug. 14.

Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for variable heating. 2,382,779; Aug. 14.

Dennis, James B., West Lanham Hills, Md. Crimping tool. 2,382,401; Aug. 14.

De Roode, Trimble, New York, N. Y. Passenger accommodations in vehicles. 2,382,402; Aug. 14.

Deutsch, Walther, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Electrical dehydration of petroleum emulsions. 2,382,697; Aug. 14.

De Vilbiss Company, The: *See*—
Miller, Godfrey A., assignor.

De Vries, Ralph P.: *See*—
Touceda, E. G., and De Vries.

Diagraph-Bradley Stencil Machine Corporation: *See*—
Herb, Otto J., assignor.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Esters and preparing the same. 2,382,548; Aug. 14.

Diaz y Diaz, Manuel, assignor of sixty one-hundredths to A. C. Oquendo, Habana, Cuba. Closure device for rendering bottles nonrefillable. 2,382,864; Aug. 14.

Dick, Ralph W., Fort Wayne, Ind. Folding chair. 2,382,300; Aug. 14.

Dickey, Joseph B.: *See*—
McNally, J. G., and Dickey.
Strain, W. H., and Dickey.

Dickey, Joseph B., E. B. Towne, and W. H. Strain, assignors to Eastman Kodak Company, Rochester, N. Y. Making aromatic amines. 2,382,613; Aug. 14.

Diezel, Willy, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming mechanism. 2,382,469; Aug. 14.

Distillers Company Limited, The: *See*—
Staudinger, H. P., Tuerck, and Brittain, assignors.

Dittmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright dip. 2,382,865; Aug. 14.

Doderer, Adolph W.: *See*—
Stuhlman, F. A., and Doderer.

Donath, George A., Los Angeles, Calif. Grid pasting machine. 2,382,367; Aug. 14.

Donlan, Theodore R., Union, N. J., assignor to Standard Oil Development Company. Hydraulic media. 2,382,698; Aug. 14.

Donley, Hugh L., Collingswood, N. J., assignor to Radio Corporation of America. Oscillator tuning system. 2,382,615; Aug. 14.

Donnelly, John C., Greenwich, Conn., assignor to Maguire Industries, Incorporated. Processing foods. 2,382,780; Aug. 14.

Dormeyer Corporation: *See*—
Kennedy, Verne C., assignor.

Dort, Russell L.: *See*—
Hayes, J. B., and Dort.

Douglas Aircraft Company, Inc.: *See*—
Powers, Marvin A., assignor.

Douglass, Edward R., Eckman, N. Dak. Geometrical instrument. 2,382,618; Aug. 14.

D'Ouville, Edmond L.: *See*—
Shoemaker, B. H., and D'Ouville.

Dow Chemical Company, The: *See*—
Bryant, Charles M., assignor.
Slansky, Cyril M., assignor.
Stalker, Edward A., assignor.

Downing Box Company: *See*—
Richards, J. R., and Evert, assignors.

Downing, Frederick B., Penns Grove, N. J., and H. M. Fitch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,382,781; Aug. 14.

Dreher, George M., Grosse Pointe Woods, Mich. Combustion apparatus. 2,382,301; Aug. 14.

Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Anthraquinone dyestuffs. 2,381,971; Aug. 14.

Dreyfus, Henry, London, England. Production of ethyl cellulose. 2,381,972; Aug. 14.

Druey, Jean.: *See*—
Hartmann, M., and Druey.

Dubeau, Archie L.: *See*—
Vincent, G. P., and Dubeau.

Dudley, Harry J.: *See*—
Fox, A., and Dudley.

Duke, James B.: *See*—
Schilling, K. F., Cole, Duke, and Houston.

Duncan, Gordon W., Scotch Plains, N. J., assignor to Standard Oil Development Company. Slushing oil compositions. 2,382,699; Aug. 14.

Dunlap, Lawrence H., assignor to Armstrong Cork Company, Lancaster, Pa. Linoleum compositions. 2,382,212; Aug. 14.

Dunlap, Lawrence H., assignor to Armstrong Cork Company, Lancaster, Pa. Copolymerization of drying oils, and vinyl compounds. 2,382,213; Aug. 14.

Dunleavy, William J., East Douglas, assignor to Whitin Machine Works, Whitinsville, Mass. Clearer for roving or spinning frames. 2,382,214; Aug. 14.

Dunlop Rubber Company Limited: *See*—
Trevaskis, Henry, assignor.

Dunn, William C.: *See*—
Denneen, F. S., and Dunn.

Du Pont, E. I., de Nemours & Company: *See*—
Agre, Courtland Le V., assignor.
Brubaker, Merlin M., assignor.
Carlson, Harrison C., assignor.
Chambers, F. S., Jr., and Woodbury, assignors.
Cupery, Martin E., assignor.
Dittmar, Harry R., assignor.
Downing, F. B., and Fitch, assignors.
Gresham, William F., assignor.
Gubelmann, Ivan, assignor.
Hamilton, Lyle A., assignor.
Henke, Clyde O., assignor.
Hurt, D. M., and Rohrmann, assignors.
Johnson, Aaron D., assignor.
Parker, Joseph L., assignor.
Pedersen, Charles J., assignor.
Pedersen, C. J., and Bender, assignors.
Rothrock, Henry S., assignor.
Sauer, John C., assignor.
Wahl, Milton H., assignor.
Walker, Herbert W., assignor.
Woodhouse, J. C., and Walker, assignors.

Durand, Marcel P.: *See*—
Courey, G., and Durand.

Durkin, William C., Niagara Falls, N. Y. Checkboard for games. 2,382,005; Aug. 14.

Dusevoir, Julius, assignor to Century Motors Corporation, Dearborn, Mich. Internal-combustion engine. 2,382,006; Aug. 14.

Dyer, Fredrick: *See*—
Bennett, G. L., and Dyer.

Eakins, John F., Evanston, assignor, by mesne assignments, to Phonovision Corporation, Chicago, Ill. Coin controlled movie-sound machine. 2,382,470; Aug. 14.

Earp, James F., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Apparatus for conveying freshly coated containers. 2,382,619; Aug. 14.

Eastman, Du Bois, and C. Richker, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbon oils. 2,382,039; Aug. 14.

Eastman Kodak Company: *See*—
Capstaff, John G., and Miller, assignors.
Dickey, J. B., Towne, and Strain, assignors.
Fisher, Webster E., assignor.
Fuerst, Carl C., assignor.
Kenyon, W. O., and Murray, assignors.
McNally, J. G., and Dickey, assignors.
Penberthy, Harvey L., assignor.
Schade, Willy, assignor.
Seymour, M. W., and Peterson, assignors.
Seymour, M. W., and Young, assignors.
Staud, Cyril J., assignor.
Strain, W. H., and Dickey, assignors.
Wadman, W. V., and Butcher, assignors.
Yule, John A. C., assignor.

Eastman, Nathaniel, New York, N. Y. Fruit-cutting and juice-extracting machine. 2,382,620; Aug. 14.

Ebbets, George D., Kenilworth, assignor to The Babcock & Wilcox Company, Jersey City, N. J. Forming lined pressure vessel connections. 2,381,890; Aug. 14.

Eberle, Frank V., Newark, N. J. Artificial hand and actuating the same. 2,382,403; Aug. 14.

Eberle, Frank V., Newark, N. J. Artificial hand and actuating the same. 2,382,404; Aug. 14.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Compounded lubricating oil. 2,382,700; Aug. 14.

Eckman, Philip E., Seattle, Wash., assignor to American Can Company, New York, N. Y. Suction cup. 2,382,405; Aug. 14.

Edge, Stanley H., and E. Twemlow, Lincoln, England. Steering gear for vehicles. 2,382,866; Aug. 14.

Edmonson, Roger W., assignor to The National Cash Register Company, Dayton, Ohio. Electrolytic smoothing of metals. 2,382,549; Aug. 14.

Egersdörfer, Fritz, Berlin, Germany; vested in the Alien Property Custodian. Gear pump. 2,382,701; Aug. 14.

Ego, George R., Brantford, Ontario, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Safety device for disk plow hangers. 2,381,973; Aug. 14.

Eichelberger, George W., Jr., Houston, Tex. Toy oil-pumping rig. 2,382,782; Aug. 14.

Eigenheer, Jakob, Thalwil, assignor to the firm Belmag Zurich, Beleuchtungs- & Metallindustrie Aktiengesellschaft, Zurich, Switzerland. Ski fitting. 2,382,783; Aug. 14.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Railway brake. 2,382,550; Aug. 14.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,551; Aug. 14.

Eksergian, Carolus L., and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,552; Aug. 14.

Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,553; Aug. 14.

Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,554; Aug. 14.

Elastic Stop Nut Corporation: *See*—
Newsome, J. H., and Davis, assignors.

Elberty, Robert S., Jr., assignor to Landis Tool Company, Waynesboro, Pa. Size control mechanism. 2,382,215; Aug. 14.

Elder, John D.: *See*—
McManus, C. E., and Elder.

Electricooker, Inc.: *See*—
Smith, Graydon, assignor.

Electro Metallurgical Company: *See*—
Crafts, Walter, assignor.

Elenbas, Ivan: *See*—
Lucas, Jay J., assignor.

Elkan, Fred, assignor to "Incindor", Coal Igniter Company, Inc., New York, N. Y. Fuel composition. 2,381,891; Aug. 14.

Elliott, Peter M., assignor to Oil Distribution Appliances Limited, Toronto, Ontario, Canada. Relief valve structure for storage tanks for volatile liquids. 2,382,555; Aug. 14.

Ellis-Foster Company: *See*—
Hessel, F. A., and Rust, assignors.

Elssner, Gerhard, and E. Schröder, Leipzig, Germany; vested in the Alien Property Custodian. Production of oxidic protective layers on magnesium or its alloys. 2,382,702; Aug. 14.

Emerson, John H., Cambridge, Mass. Preparing compresses. 2,381,974; Aug. 14.

Emerson, William S., Van Buren Township, Montgomery County, Ohio, assignor to Monsanto Chemical Company. Preparation of acetophenone. 2,382,867; Aug. 14.

Emery, Albert G., assignor to United States Rubber Company, New York, N. Y. Method of making flexible contour maps. 2,382,784; Aug. 14.

Emsco Derrick Equipment Company: *See*—
Renouf, Ralph R., assignor.

End, Gotthard, Seeburg, near Lucerne, assignor to the firm Schweizerisch Industrie-Gesellschaft, Neuhausen, Switzerland. Rifling machine. 2,382,302; Aug. 14.

Endres, Rudolf: *See*—
Hentrich, W., Kaiser, and Endres.

Endress, Clarence H.: *See*—
Sutherland, E. M., and Endress.

Engberg, Ralph E., Clayton, Mo. Method and apparatus for dispensing gummed tape. 2,382,406; Aug. 14.

Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering substantially pure m-cresol or p-cresol. 2,382,142; Aug. 14.

Engineer Company: *See*—
Holden, Edward A., assignor.

English Electric Company Limited, The: *See*—
Seewer, Paul W., assignor.

Ensign, Elbert E.: *See*—
Ford, H., Ensign, and Quinn.

Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Extraction process. 2,382,407; Aug. 14.

Erickson, John A., Jackson, Mich. Corn shelling and shredding machine. 2,382,040; Aug. 14.

Ernst, Daniel, assignor to Maag-Zahnräder und -Maschinen Aktiengesellschaft, Zurich, Switzerland. Apparatus for testing the pitch of gears. 2,381,975; Aug. 14.

Ernst, Walter: *See*—
Flowers, P. E., Ernst, and MacMillin.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Turret press. 2,382,041; Aug. 14.

Eskin, Samuel G., and C. K. Strobel, Pittsburgh, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for gaseous fuel burners. 2,382,216; Aug. 14.

Estienne, Aimé, Lyons, France; vested in the Alien Property Custodian. Circuit breaker. 2,382,703; Aug. 14.

Etnyre, E. D., & Co.: *See*—
Etnyre, Samuel R., assignor.

Etnyre, Samuel R., assignor to E. D. Etnyre & Co., Oregon, Ill. Positive displacement gear pump. 2,382,042; Aug. 14.

Evert, Charles W.: *See*—
Richards, J. R., and Evert.

Exline, Wm., Inc.: *See*—
Falls, Harry D., assignor.

Fairclough, Edward, assignor to Willard Storage Battery Company, Cleveland, Ohio. Making battery separators. 2,382,621; Aug. 14.

Falls, Harry D., assignor to Wm. Exline Inc., Cleveland, Ohio. Binder. 2,382,556; Aug. 14.

Fancher, Henry B., Scotia, N. Y., assignor to General Electric Company. Concentric transmission line termination. 2,382,217; Aug. 14.

Farkas, Eugene J.: *See*—
Sheldrick, L. S., Farkas, and Nador.

Farrel-Birmingham Company, Incorporated: *See*—
Kuehn, Howard E., assignor.

Farrington, Bruce B.: *See*—
Kavanagh, F. W., Farrington, and Clayton.

Farrington, Bruce B., J. O. Clayton, and J. T. Rutherford, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded mineral oil. 2,382,043; Aug. 14.

Fawick, Thomas L., Akron, Ohio. Making crankcases. 2,382,303; Aug. 14.

Federal Telephone and Radio Corporation: *See*— Hoffman, Ross B., assignor.

Feeley, Henry J.: *See*— Amrhein, H. L., and Feeley.

Fees, John N., Spokane, assignor to H. Brandt, Palouse, and L. O. Ballard, Spokane, Wash. Loader. 2,381,892; Aug. 14.

Fellows Gear Shaper Company, The: *See*— King, Harry, assignor.

Felton, S. A., & Son Company: *See*— Cadeau, Alvin P., assignor.

Fenton, Paul E.: *See*— Seaver, D. A., and Fenton.

Fernald, Mark E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Distributing apparatus. 2,381,893; Aug. 14.

Fernstrum, Robert W., Detroit, Mich. Outboard marine heat exchanger. 2,382,218; Aug. 14.

Feron, Francois, Landigou, France; vested in the Alien Property Custodian. Thread. 2,382,704; Aug. 14.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,381,894; Aug. 14.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,382,219; Aug. 14.

Ferro Stamping & Manufacturing Company: *See*— Joachim, Joseph G., assignor.

Fetschke, Erwin, et al.: *See*— Carssow, John F., assignor.

Field, Theodore E., and H. T. Smyth, assignors to Corhart Refractories Company, Louisville, Ky. Producing cast refractory. 2,381,945; Aug. 14.

Findley, F. G., Co., The: *See*— Findley, K., Krueger, Hecker, Matteson, and Findley, assginors.

Findley, Kenneth, A. C. Krueger, R. H. Hecker, and J. Matteson, Milwaukee, and R. Findley, Elm Grove, assignors to The F. G. Findley Co., Milwaukee, Wis. Adhesive cement products and making same. 2,381,946; Aug. 14.

Findley, Ralph: *See*— Findley, K., Krueger, Hecker, Matteson, and Findley.

Fink, Colin G., New York, N. Y., assignor to Metal Alloys, Inc., Wilmington, Del. Metal-coating metals. 2,382,868; Aug. 14.

Fink, Rudolph, et al.: *See*— Yant, William P., assignor.

Finney, John H. V., assignor to Mining Process and Patent Company, Denver, Colo. Thickener apparatus. 2,382,409; Aug. 14.

First National Bank of Tampa, Florida, executor, The: *See*— Pierce, James B., Jr.

Fischer, Max W.: *See*— Graumann, R. L., and Fischer.

Fisher, Frederick E., Scotia, N. Y., assignor to General Electric Company. Clutch. 2,382,869; Aug. 14.

Fisher, Webster E., Pine Bluff, Ark., assignor to Eastman Kodak Company, Rochester, N. Y. Production of water-free alcohol. 2,382,044; Aug. 14.

Fitch, Howard M.: *See*— Downing, F. B., and Fitch.

Flanigan, George E.: *See*— Supplee, G. C., Jensen, and Flanigan.

Flowers, Paul E., Shaker Heights, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Forging. 2,382,045; Aug. 14.

Flowers, Paul E., Shaker Heights, and W. Ernst and H. F. MacMillin, Mount Gilead, Ohio, assignors to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic press. 2,382,046; Aug. 14.

Foerster, Charles V.: *See*— Cape, A. T., Foerster, and Griswold.

Fogle, Marlin E., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photocell and filter combination. 2,382,220; Aug. 14.

Foltz, Carl, and G. Davis, South Bend, Ind. Knife and manufacture thereof. 2,382,304; Aug. 14.

Food Machinery Corporation: *See*— Coons, Burton C., assignor.

Ford, Henry, Dearborn, E. E. Ensign, Ypsilanti, and A. C. Quinn, assignors to Ford Motor Company, Dearborn, Mich. Magnesium. 2,382,047; Aug. 14.

Ford Instrument Company, Inc.: *See*— Crowther, George A., assignor.

Ford Motor Company: *See*— Ford, H., Ensign, and Quinn, assignors.
Sheldrick, L. S., Farkas, and Nador, assignors.

Foster, David F., Napa, Calif. Compression control device. 2,381,895; Aug. 14.

Foster Wheeler Corporation: *See*— Frisch, Martin, assignor.

Foulds, Charles V., Berkeley, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Air blast circuit breaker. 2,382,786; Aug. 14.

Fox, Anna, Yonkers, and H. J. Dudley, New York, N. Y. Loom construction. 2,382,048; Aug. 14.

Foxboro Company, The: *See*— Mason, Clesson E., assignor.

Frankhouser, Albert G., assignor to The H. G. Shook Company, Lima, Ohio. Snatch block. 2,382,049; Aug. 14.

Franklin, Ernest M., Kingsport, Tenn., assignor of one-third to H. H. Smith, and one-third to C. E. Hartgrove. Stove or furnace construction. 2,382,785; Aug. 14.

Frazier, Elmer E., Halethorpe, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Obstruction warning device. 2,382,557; Aug. 14.

Freilich, Jacob, Bronx, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Manufacture of baked goods. 2,382,305; Aug. 14.

Frey, Charles N.: *See*— Freilich, J., and Frey.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrocarbons. 2,382,471; Aug. 14.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Regeneration of catalysts. 2,382,472; Aug. 14.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of butadiene. 2,382,473; Aug. 14.

Frick, Nils B., Appelviken, Sweden. Demonstration device, particularly for insurance purposes. 2,382,007; Aug. 14.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace. 2,381,896; Aug. 14.

Fruit & Produce Packing, Inc.: *See*— McCormick, James A., assignor.

Fuel Refining Corporation: *See*— Otto, Carl, assignor.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic shutter. 2,382,623; Aug. 14.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,382,624; Aug. 14.

Fuller, Emil E.: *See*— Amrhein, H. L., and Fuller.

Gable, Louis H., Seneca, Ill. Band iron brake. 2,382,306; Aug. 14.

Gaenssle, Paul W.: *See*— Eksergian, C. L., and Gaenssle.

Gaenssle, Paul W., and R. G. Stacy, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,382,870; Aug. 14.

Gambo, Ernest, Staten Island, N. Y. Insulation clip. 2,382,474; Aug. 14.

Garand, John C., Springfield, Mass. Trigger mechanism. 2,382,410; Aug. 14.

Garity, Edward J.: *See*— Love, Aubrey, assignor.

Garretson, Owen L., Detroit, Mich., assignor to Phillips Petroleum Company. Manifold injection carburetor. 2,382,625; Aug. 14.

Gaston, Louis J., Jr., and J. W. Pick, assignors to The American Rolling Mill Company, Middletown, Ohio. Plate handling device. 2,382,626; Aug. 14.

Gates, George W., & Co.: *See*— Koch, Edward L., assignor.

Gautier, Trevor R., and R. W. Hoitt, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Strip server. 2,382,787; Aug. 14.

Guy, Frazer W., Metuchen, N. J. Energy reclamation means. 2,381,947; Aug. 14.

Geddes, John W., and T. Porter, Boston, assignor to H. K. Porter, Inc., Everett, Mass. Multiple lever tool. 2,382,307; Aug. 14.

Geller, Max, Brooklyn, N. Y. Jointed manikin doll. 2,381,897; Aug. 14.

Gem Crib and Cradle Company: *See*— Bockus, R. C., and Landry, assignors.

General Aniline & Film Corporation: *See*— Reichel, Maximilian K., assignor.
Ulrich, Heinrich, assignor.

General Cable Corporation: *See*— Kauth, Henry J., assignor.

General Electric Company: *See*— Alford, Joseph S., assignor.
Arms, Richard P., assignor.
Bennett, G. L., and Dyer, assignors.
Bennett, Robert M., assignor.
Brink, Edwin H., assignor.
Camilli, Guglielmo, assignor.
D'Alelio, G. F., and Underwood, assignors.
Pancher, Henry B., assignor.
Fisher, Frederick E., assignor.
Livingston, Orrin W., assignor.
Petersen, Charles A., assignor.
Robinson, Manuel G., assignor.
Schuck, Carl L., assignor.
Suits, C. G., and Lincks, assignors.
Thielemann, Rudolf H., assignor.
Trencham, Henry, assignor.

General Foods Corporation: *See*— Berry, Norton E., assignor.

General Motors Corporation: *See*— Boegehold, A. L., and Terry, assignors.
Da Roza, F. G., and Hill, assignors.
Ferris, Donald K., assignor.
Humer, Frank, assignor.
McCormack, Alex A., assignor.
Riopelle, E. F., and Sihvonen, assignors.
Sihvonen, K. E., and Riopelle, assignors.

General Printing Ink Corporation: *See*— Curado, Joseph G., assignor.

General Tire & Rubber Company, The: *See*— Kraft, Herman T., assignor.

Gente, Ernst, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Steam turbine. 2,382,705; Aug. 14.

Gente, Ernst, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Sealing arrangement for centrifugal machines. 2,382,706; Aug. 14.

Gergely, Margaret, Waltz, Mich. Cartridge fountain pen. 2,381,898; Aug. 14.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Mixing fluids. 2,382,871; Aug. 14.

Gess, Louis, Jenkintown, assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,381,948; Aug. 14.

Gevaart, Theodore C., Kiel, Wis. Carton and package. 2,382,308; Aug. 14.

Giern, James B., assignor of one-half to A. P. Anholtt, Detroit, Mich. Smoking pipe. 2,382,627; Aug. 14.

Gilbert, Stanley W., Middletown, assignor to Chandler-Evans Corporation, South Meriden, Conn. Carburetor. 2,382,050; Aug. 14.

Giles, Thomas F., Greenford, England. Firing device for the fuses of bombs, flares, and the like. 2,382,872; Aug. 14.

Gillette Safety Razor Company: *See*— Testi, Nicholas, assignor.

Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Producing plant extracts. 2,382,475; Aug. 14.

Glasoe, Karl M., Jr., Huntington Park, Calif. Savings bond register. 2,382,476; Aug. 14.

Goble, Ralph W.: *See*— Greene, G. B., and Goble, assignors.

Godfrey, Donald V.: *See*— Smith, A. N., and Godfrey.

Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,382,558; Aug. 14.

Goldsmith, Alfred N., New York, N. Y. Television transmitting system. 2,381,901; Aug. 14.

Goldsmith, Alfred N., New York, N. Y. Television transmitting system. 2,381,902; Aug. 14.

Goldstein, David D., New York, N. Y. Footwear and its manufacture. 2,382,559; Aug. 14.

Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Producing a filter medium. 2,382,560; Aug. 14.

Goodloe, Alfred M., Montclair, and L. A. Kisch, Little Falls, assignors to Metal Textile Corporation, West Orange, N. J. Detachably mounting strainer bags. 2,381,949; Aug. 14.

Goodman, Kenneth C., Columbus, Ohio. Locking means for race horse starting gates. 2,381,903; Aug. 14.

Goodman, Martin, New York, and D. Lance, Brooklyn, assignors to The Neatform Co. Inc., New York, N. Y. Lady's panty. 2,382,477; Aug. 14.

Goodrich, B. F., Company, The: *See*— Schanz, George H., assignor.

Goodwin, Carl W., North Plainfield, N. J., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Paper screw cap. 2,382,873; Aug. 14.

Gordon, Harry W., Worcester, assignor to United States Envelope Company, Springfield, Mass. String binder assemblage and package. 2,382,143; Aug. 14.

Gorin, Everett, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Anhydrous halogen acids. 2,382,788; Aug. 14.

Gosslau, Fritz, Berlin-Charlottenburg, J. Schmidt, Berlin-Eichkamp, and W. Zarnack, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Device for regulating internal-combustion engines. 2,382,707; Aug. 14.

Gräbener, Heinz, Cologne-Ehrenfeld, Germany; vested in the Alien Property Custodian. Closure for containers. 2,382,051; Aug. 14.

Gracey, James H., Springfield, Mass. Expansion reamer. 2,381,899; Aug. 14.

Graumann, Raymond L., Alexandria, Va., and M. W. Fischer, Washington, D. C. Delay element for fuses. 2,381,900; Aug. 14.

Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Glass working machine. 2,382,052; Aug. 14.

Gray Manufacturing Company, The: *See*— Clausen, Henry P., assignor.

Graydon, Sterling, Jr., Hartford, and H. N. Bliss, Windsor, assignors to Veeder-Root Incorporated, Hartford, Conn. Resettable counter. 2,382,708; Aug. 14.

Green, Lee B., Lakewood, Ohio. Broaching apparatus. 2,382,628; Aug. 14.

Green, Samuel G., Gray, Ga. Speed regulator for automatic guns. 2,382,411; Aug. 14.

Greene, George B., and R. W. Goble, Long Beach, Calif. Radio directional control system for vehicles. 2,382,709; Aug. 14.

Gregory, James: *See*— Quilter, J. R. C., and Gregory.

Gregory, Thurlow G., Shaker Heights, Ohio. Self-opening, sound-absorbing plaster. 2,382,561; Aug. 14.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified acetals. 2,382,874; Aug. 14.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxygenated organic polymers. 2,382,938; Aug. 14.

Grey, Ralph E., Osborne, and L. G. Burns, Dayton, Ohio. Fuel pump. 2,382,412; Aug. 14.

Griesinger, John W.: *See*— Rich, P. J., and Griesinger.

Griesinger, William K., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Gelatination of hydrocarbon distillates. 2,382,144; Aug. 14.

Griswold, Howard L.: *See*— Cape, A. T., Foerster, and Griswold.

Griswold, Stanley M., Newton, assignor to B. B. Chemical Co., Boston, Mass. Manufacture of insoles. 2,381,950; Aug. 14.

Griswold, Stanley M., Newton, assignor to B-B. Chemical Co., Boston, Mass. Manufacture of insoles. 2,381,951; Aug. 14.

Groth, Albert T., Oshkosh, Wis. Planting spacer for flats. 2,382,221; Aug. 14.

Grothey, Ivan W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,382,008; Aug. 14.

Gubelmann, Ivan, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,381,952; Aug. 14.

Gudgeon, Herbert, and R. Hill, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Interpolymerization products. 2,382,629; Aug. 14.

Guignon, Emile S., Jr., Kansas City, Mo. Portable landing apron and runway. 2,382,789; Aug. 14.

Gumb, Daniel E., Milwaukee, Wis. Animated toy. 2,382,630; Aug. 14.

Gut, Elie: *See*— Bustamante, Cesar, assignor.

Guthrie, James M., Allison Park, assignor to Reliance Steel Products Company, McKeesport, Pa. Portable bridge structure. 2,382,478; Aug. 14.

Guyot, Sebastienne M. H.: *See*— Loth, W. A., and Guyot.

Haddock, Frederick T., Texon, Tex. Pilot valve for oil and gas separators. 2,382,710; Aug. 14.

Hadley, Frank W., Los Angeles, Calif. Extracting tongs. 2,382,145; Aug. 14.

Hagedorn, Gerhard, Berlin-Lichterfelde-West, Germany; vested in the Alien Property Custodian. Device for electric resistance welding. 2,382,711; Aug. 14.

Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Mold form. 2,382,053; Aug. 14.

Hall, Blanche F., Kansas City, Mo. Corset and combination garment. 2,381,953; Aug. 14.

Hamilton Associated Industries: *See*— Antalek, John J.

Hamilton, Frank C., Newark, N. J. Projectile game. 2,382,146; Aug. 14.

Hamilton, Lyle A., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phosphonamide. 2,382,309; Aug. 14.

Hamilton, Virgil: *See*— Antalek, John J., assignor.

Hamilton Watch Company: *See*— Mentzer, Ralph B., assignor.

Hammond Instrument Company: *See*— Hanert, John M., assignor.

Hanak, Frank J., assignor of fifty per cent to J. Stelnicki, Toledo, Ohio. Combined eye shield and guard. 2,382,147; Aug. 14.

Handley, Guy F., Minneapolis, Minn. Antiglare device. 2,382,875; Aug. 14.

Hanert, John M., Wilmette, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical apparatus. 2,382,413; Aug. 14.

Hans, Edmund E., Detroit, Mich. Heater arrangement. 2,382,712; Aug. 14.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio relaying system. 2,382,414; Aug. 14.

Hansgirg, Fritz J., San Mateo, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacturing magnesium. 2,382,713; Aug. 14.

Harasta, Clarence J., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Optical gun sight. 2,382,631; Aug. 14.

Hardie, Donald C., assignor to Chipman Spinning Mills, Inc., Easton, Pa. Reel. 2,382,790; Aug. 14.

Harding, Jesse S., Stoughton, Mass. Folding clothes rack. 2,382,310; Aug. 14.

Hardinge, Harlowe, York, Pa. Classifying system for pulverized materials. 2,381,954; Aug. 14.

Hare, Donald G. C., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for logging wells. 2,381,904; Aug. 14.

Hargy, Harry E., Sr., Sycamore Township, Hamilton County, Ohio. Buffing wheel hub. 2,382,479; Aug. 14.

Harman, Robert A., Plainfield, N. J., assignor to The Solvay Process Company, New York, N. Y. Oxidation of aromatic compounds. 2,382,148; Aug. 14.

Harper, William, Jr., Montreal, Quebec, Canada. Fuel injector. 2,382,151; Aug. 14.

Harris, Ford W.: *See*—
Koppl, Ernest, and Harris.

Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Ethers of vitamin B_6. 2,382,876; Aug. 14.

Harris, Walter R., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Helper drive. 2,382,415; Aug. 14.

Hartgrove, Charles E., et al.: *See*—
Franklin, Ernest M., assignor.

Hartman, John M., Glendale, Calif. Heel support for water skis. 2,382,149; Aug. 14.

Hartman, John M., Glendale, Calif. Water ski. 2,382,150; Aug. 14.

Hartmann, Max, Riehen, and J. Druey, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Benzene-sulphonamido derivatives and making same. 2,382,167; Aug. 14.

Harvey, Leo M., La Canada, Calif. Drain valve for washing machines and the like. 2,382,562; Aug. 14.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,382,563; Aug. 14.

Haskelite Manufacturing Corporation: *See*—
Curran, Frank M., assignor.

Hasler, A. G. Werke für Telephonie und Prazisionsmechanik: *See*—
Ochsenbein, Walter, assignor.

Hatch, Meredith R.: *See*—
Rode, F. J., and Hatch.

Hathaway, James W., Sr.: *See*—
Johnson, G. C., and Hathaway.

Havas, Elizabeth B., Jackson Heights, N. Y. Food separating utensil. 2,382,222; Aug. 14.

Haverstick, John S., assignor to De Laval Steam Turbine Company, Trenton, N. J. Turbine systems. 2,382,564; Aug. 14.

Hawkins-Hawkins Co.: *See*—
Robie, Charles F., assignor.

Hayes, John B., Milan, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Corn picker lifting mechanism. 2,382,480; Aug. 14.

Hays Corporation, The: *See*—
Sprague, Philip T., assignor.

Hayter, Bruce: *See*—
Breese, J. L., and Hayter.

Heald Machine Company, The: *See*—
Heald, Richard A., assignor.

Heald, Richard A., assignor to The Heald Machine Company, Worcester, Mass. Apparatus for internal grinding. 2,382,311; Aug. 14.

Heberlein, Georges, and E. Weiss, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Producing pattern effects on fabrics. 2,382,416; Aug. 14.

Heberlein Patent Corporation: *See*—
Heberlein, G., and Weiss, assignors.

Hecker, Roy H.: *See*—
Findley, K., Krueger, Hecker, Matteson, and Findley.

Heckman, William F., Newport, Ky. Window glass. 2,382,566; Aug. 14.

Hedberg, Carl W. J., Bound Brook, N. J., and H. L. Richardson, St. Louis, Mo., assignors to Research Corporation, New York, N. Y. Recovery of material from roaster gases. 2,382,565; Aug. 14.

Heilbrunn, Simon, and A. F. Kaptuller, Chicago, Ill.; said Kaptuller assignor to said Heilbrunn. Coupon holder. 2,382,877; Aug. 14.

Heinrich, George C., assignor to Manning, Bowman & Co., Meriden, Conn. Electric heating pad. 2,382,312; Aug. 14.

Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Detaching motion. 2,382,481; Aug. 14.

Hemphill Company: *See*—
St. Pierre, E., and Wawzonek, assignors.
Wawzonek, Joseph, assignor.

Henderson, Frank Y.: *See*—
Oxley, T. A., and Henderson.

Henderson, Lawrence M.: *See*—
Ayers, G. W., and Henderson.

Hendricks, James O., White Bear Lake, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Dispersions or adhesives of the oil-in-water type. 2,382,417; Aug. 14.

Henke, Clyde O., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxy acid derivatives of camphene. 2,382,313; Aug. 14.

Henry, Erwin W., Arapahoe County, Colo. Speed reduction gear. 2,382,482; Aug. 14.

Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, Anhalt, W. Kaiser, Dessau, Anhalt, and R. Endres, Dessau-Rosslau, Anhalt, Germany; vested in the Alien Property Custodian. Dissolving, softening, gelatinizing, and swelling agents. 2,382,714; Aug. 14.

Herb, Otto J., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain brush. 2,382,314; Aug. 14.

Hercik, Lad L., Lakewood, assignor to The Hill Acme Company, Cleveland, Ohio. Portable crane. 2,382,054; Aug. 14.

Hercules Powder Company: *See*—
Cairns, R. W., and Stern, assignors.
Carson, William F., Jr., assignor.
Cox, Richard F. B., assignor.
Darling, Robert B., assignor.
Little, Julius G., assignor.
Norman, G. M., and Stuart, assignors.
Osborn, Robert H., assignor.
Spaulding, Edwin B., assignor.
Tomkinson, Henry L., assignor.

Hertel, Heinrich, Rostock, Germany; vested in the Alien Property Custodian. Ammunition container for aircraft. 2,382,715; Aug. 14.

Hertz, Irving, et al.: *See*—
Young, Edgar C., assignor.

Herzmark, Nicolas, New York, N. Y. Compressor. 2,382,716; Aug. 14.

Herzmark, Nicolas, New York, N. Y. Cooling system. 2,382,717; Aug. 14.

Herzog, Gerhard: *See*—
Wolf, A., and Herzog.

Hessel, Frederick A., Montclair, and J. B. Rust, Verona, N. J., assignors to Ellis-Foster Company. Rendering wool nonfelting. 2,382,632; Aug. 14.

Heynisch, Paul, Zug, Switzerland, assignor to Landis & Gyr, A. G. Maximum demand metering device. 2,382,009; Aug. 14.

Hickenlooper, Walter S., Long Beach, Calif. Lifting device. 2,382,718; Aug. 14.

Hicks, James A., deceased, Atlanta, Ga.; R. L. Holbrook, administrator, assignor to A. L. Belle Isle. Brake equalizer. 2,382,223; Aug. 14.

Hicks, James A., deceased, by R. L. Holbrook, Atlanta, Ga., assignor to A. L. Belle Isle. Fluid pressure control unit for laundry machines and the like. 2,382,224; Aug. 14.

Hill Acme Company, The: *See*—
Hercik, Lad L., assignor.

Hill, C. V., & Company, Inc.: *See*—
Caulk, J. R., Jr., and Davis, assignors.

Hill, Frank E.: *See*—
Da Roza, F. G., and Hill.

Hill, Hillary L., Chelmsford, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Power drive for window regulators. 2,382,791; Aug. 14.

Hill, Rowland: *See*—
Gudgeon, H., and Hill.

Hill, Walter E.: *See*—
McLoughlin, H. F., Hill, Morgan, and Wintle.

Hiller, Fritz E., Stratford, assignor to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Electrical measuring instrument. 2,382,315; Aug. 15.

Hindley, Nathan C.: *See*—
Bergel, F., Hindley, Morrison, and Rinderknecht.

Hoague-Sprague Corporation: *See*—
Knowlton, Cutler D., assignor.

Hochstetter, Robert J., Westport, Conn., assignor to Amalgamated Ordnance & Ammunition Machinery Company, New York, N. Y. Ordnance. 2,382,225; Aug. 14.

Hodges, Frederick G., Jr., Washington, D. C. Apparatus for making mattresses, cushions, and the like. 2,382,226; Aug. 14.

Hodges, Lillian F., administratrix: *See*—
Hodges, Paul.

Hodges, Paul, deceased, Crossett, Ark.; L. F. Hodges, administratrix. Treatment of paper mill effluent. 2,382,010; Aug. 14.

Hodges, Ralph R., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Punch press guard. 2,382,316; Aug. 14.

Hodnette, John K.: *See*—
Putman, H. V., and Hodnette.

Hoekstra, Johannes: *See*—
Van Lin, O. A. J., and Hoekstra.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Drill spindle driving mechanism. 2,382,719; Aug. 14.

Hoff, Wilbur L., Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reclamation process. 2,382,317; Aug. 14.

Hoffman-La Roche, Inc.: *See*—
Wenner, Wilhelm, assignor.

Hoffman, Louis, Brooklyn, and A. Dalmen, Jamaica, assignors to P. L. Andrews Corporation, Brooklyn, N. Y. Envelope machine. 2,381,955; Aug. 14.

Hoffman, Ross B., East Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube mounting. 2,381,905; Aug. 14.

Hofmann, Klaus, Summit, N. J., assignor to Ciba Pharmaceutical Products, Incorporated. 2-substituted furan-3,4-dicarboxylic acids and their corresponding saturated analogues. 2,382,418; Aug. 14.

Hoitt, Robert W.: *See*—
Gautier, T. R., and Hoitt.

Holbrook, Robert L., administrator: *See*—
Hicks, James A.

Holden, Edward A., Jamaica, assignor to Engineer Company, New York, N. Y. Ignition system for pulverized coal burners. 2,382,483; Aug. 14.

Holecek, Alois, Cicero, Ill. Fluorescent desk lamp. 2,382,878; Aug. 14.

Hollingsworth, "R." Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Signaling system. 2,382,567; Aug. 14.

Holtz, Louis M., Chicago, Ill. Work support for lathes. 2,381,956; Aug. 14.

Homer, Joseph, Los Angeles, Calif. Ray sight and film holder for X-ray machines. 2,382,484; Aug. 14.

Homrighous, John H., Oak Park, Ill. Remote control system. 2,382,055; Aug. 14.

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Glass transparent to far ultraviolet. 2,382,056; Aug. 14.

Hopkins, David W., Philadelphia, Pa. Solenoid trip butterfly valve. 2,382,720; Aug. 14.

Hopkins, James H., and E. H. Kendall, Alliance, Ohio. Automatic ingot tongs. 2,382,227; Aug. 14.

Horning, Raymond: *See*—
Wilcox, I. L., and Horning.

Hornstein, Morton, assignor to Breslee Mfg. Company, New York, N. Y. Apparatus for producing V-reenforcements. 2,382,057; Aug. 14.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,382,633; Aug. 14.

Hosack, Gerald C., Pensacola, Fla. Automatic sculling oar lock. 2,382,721; Aug. 14.

Hossenlopp, Arthur M.: *See*—
Crowley, H. L., and Hossenlopp.

Houston, Wesley M.: *See*—
Schilling, K. F., Cole, Duke, and Houston.

Howard Engineering & Manufacturing Company: *See*—
Howard, George M., assignor.

Howard, George M., assignor to Howard Engineering & Manufacturing Company, Cincinnati, Ohio. Carrier belt. 2,382,634; Aug. 14.

Howard, Styles T., Jeffersonville, Ind. Collapsible heat directing closure. 2,381,906; Aug. 14.

Howard, William T., Chicago, Ill. Equipment for vehicle bodies. 2,382,011; Aug. 14.

Howell, Albert S., Culver, Ind., assignor to The Bell & Howell Company, Chicago, Ill. Centrifugally controlled governor device. 2,382,228; Aug. 14.

Howland, Louis H., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Plasticizing neoprene. 2,382,792; Aug. 14.

Howland, Louis H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Production of sulphene amides. 2,382,793; Aug. 14.

Hoy, M. C., et al.: *See*—
Wood, Oliver Wendell, assignor.

Huebner, Herbert A., et al.: *See*—
Young, Edgar C., assignor.

Hughes, Everett C., and W. E. Scovill, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Mineral oil beneficiation. 2,381,907; Aug. 14.

Hull, Maury I., Arlington, Va. Torpedo. 2,382,058; Aug. 14.

Humer, Frank, assignor to General Motors Corporation, Detroit, Mich. Collapsible top for automobiles. 2,382,635; Aug. 14.

Humphreys, Ira B., Denver, Colo. Controllable pitch propeller. 2,382,229; Aug. 14.

Hunter, Albert E., Wollaton, assignor to Byard Manufacturing Company, Limited, Nottingham, England. Take-up for twist lace machines. 2,382,230; Aug. 14.

Huppert, Oskar, Newark, N. J. Aqueous emulsions of cellulose acetate. 2,382,636; Aug. 14.

Hurt, David M., Wilmington, Del., and C. A. Rohrmann, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making sulphur trioxide and catalyst therefor. 2,381,908; Aug. 14.

Husted, Harry A., St. Clair, assignor to The Standard Products Company, Detroit, Mich. Periscopic viewing and sighting device. 2,381,909; Aug. 14.

Huston, Milton D., Chicago, Ill., assignor to Oil Devices, Santa Fe, N. Mex. Pot type liquid fuel burner and air supply means therefor. 2,382,419; Aug. 14.

Hutsell, Thomas A., Renton, Wash. Liquid dispenser equipment. 2,382,059; Aug. 14.

Huttmann, Erich: *See*—
Dällenbach, W., Allerding, and Huttmann.

Hydraulic Control Engineering Company: *See*—
Stephens, William T., assignor.

Hydraulic Development Corp., Inc., The: *See*—
Crosby, Melvin A., assignor.

Hydraulic Development Corporation, Inc., The: *See*—
Ernst, Walter, assignor.
Flowers, Paul E., assignor.
Flowers, P. E., Ernst, and MacMillin, assignors.

Ibarra, Frank, San Francisco, Calif. Airplane brake. 2,381,957; Aug. 14.

Ideal Novelty & Toy Co.: *See*—
Baggott, Edmund W., assignor.

Illinois Railway Equipment Company: *See*—
John, Malcolm S., assignor.

Imber, Jack, Farnham Common, England. Detonating device. 2,382,879; Aug. 14.

Imhoff, Carroll E.: *See*—
Paukey, T. L., and Imhoff.

Imperial Chemical Industries Limited: *See*—
Arnold, M. H. M., and Perry, assignors.
Bremner, J. G. M., Reynolds, and Taylor, assignors.
Gudgeon, H., and Hill, assignors.
Levy, Norman, assignor.
Rogers, Maurice A. T., assignor.

Incagnoli, Venanzio, Ceprano, Forsinone, Italy; vested in the Alien Property Custodian. High note producing system in saxophones. 2,382,880; Aug. 14.

"Incindor", Coal Ignitor Company, Inc.: *See*—
Elkan, Fred, assignor.

Industrial Patents Corporation: *See*—
Mink, Leon D., assignor.
Young, H. H. and C. S., and Bradford, assignors.

Ingalls, John, assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Collet with removable pads. 2,382,060; Aug. 14.

Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Forming conical disks. 2,382,485; Aug. 14.

Ingham, Herbert S.: *See*—
Shepard, A. P., and Ingham.

Inland Steel Company: *See*—
Martin, Edwin D., assignor.

Inman, Walter V., Obion, assignor of one-half to M. I. Wood, Memphis, Tenn. Unloading machine. 2,381,958; Aug. 14.

Interchemical Corporation: *See*—
Abrams, John R., assignor.
Cassel, Norman S., assignor.
Lent, Clifford M., assignor.
Reynolds, W. B., and Scully, assignors.
Wickwire, A. M., Jr., assignor.
Wilson, M. M., and Berry, assignors.

International Business Machines Corporation: *See*—
Beattie, Horace S., assignor.

International Standard Electric Corporation: *See*—
Morley, John F., assignor.

Ipatieff, Vladimir N., and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of benzene. 2,382,318; Aug. 14.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,382,881; Aug. 14.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,382,882; Aug. 14.

Ironside, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Magazine for automatic firearms. 2,381,959; Aug. 14.

Ivers-Lee Company: *See*—
Salfisberg, Leroy L., assignor.

Jacks, Sylvanus O., San Francisco, Calif. Collapsible foot tub. 2,382,637; Aug. 14.

Jakobsson, Gustav H., Tacoma Park, Md., assignor of one-third to E. H. Purdy, Washington, D. C. Projectile adapter. 2,382,152; Aug. 14.

Janchick, Michael, Hot Springs National Park, Ark. Toilet kit for men. 2,382,061; Aug. 14.

Jarvis, Sam M., et al.: *See*—
Carssow, John F., assignor.

Jay, Webb O., Lompoc, Calif. Railway frog. 2,382,153; Aug. 14.

Jensen, Herman G.: *See*—
Kenney, W. M., and Jensen.

Jensen, Otto G.: *See*—
Supplee, G. C., Jensen, and Flanigan.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine and Foundry Company. Tight-loose wrap mechanism. 2,382,420; Aug. 14.

Jenson, Floyd W., Port Angeles, Wash. Fowl leg tendon extractor. 2,382,320; Aug. 14.

Jergnson Gage & Valve Co.: *See*—
Van Ham, Ernest E., assignor.

Joachim, Joseph G., assignor to Ferro Stamping & Manufacturing Company. Latch. 2,382,062; Aug. 14.

Johnson, Aaron D., Brecksville, Ohio., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and products. 2,381,960; Aug. 14.

Johnson, Grover C., and J. W. Hathaway, Sr., assignors to Buffalo Compressor and Air Conditioning Corporation, Buffalo, N. Y. Hydraulic gas compressor. 2,382,421; Aug. 14.

Johnson, John M., Lindsborg, and F. M. Straka, McPherson, Kans. Turning device for the wheels of an aircraft landing gear. 2,382,321; Aug. 14.

Johnson, Julius W., Austin, Tex., Sucker rod connection. 2,382,422; Aug. 14.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake head and brake beam adapter. 2,382,794; Aug. 14.

Johnston, M. O., Oil Field Service Corporation: *See*—
Phipps, John T., assignor.

Jones, Basil E.: *See*—
Tully, J. K., Andersen, and Jones.

Jones, Paul W., and J. W. Swezey, assignors to Rostone Corporation, La Fayette, Ind. Synthetic stone and making it. 2,382,154; Aug. 14.

Jones, Paul W., and J. W. Swezey, assignors to Rostone Corporation, La Fayette, Ind. Artificial structural material and making it. 2,382,155; Aug. 14.

Jones, Willis H., Kenmore, N. Y. Lubricated lathe center. 2,382,883; Aug. 14.

Joy, Joseph F., Clearmont, N. H. Pump. 2,381,910; Aug. 14.

Joyce, Floyd E., and E. J. Lindhardt, assignor to National By-Products, Incorporated, Des Moines, Iowa. Manufacture of soap products. 2,382,063; Aug. 14.

Judd, William F., North Kansas City, Mo. Calculating device. 2,382,064; Aug. 14.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of amino triazoles. 2,382,156; Aug. 14.

Kaiser, Wilhelm: *See*—
Hentrich, W., Kaiser, and Endres.

Kappeler, Hans, assignor to Micafil Ltd., Works for Electrical Insulation and Winding Machines, Zurich, Switzerland. Apparatus for producing wound condensers. 2,382,065; Aug. 14.

Kaptuller, Alexander F.: *See*—
Heilbrunn, S., and Kaptuller.

Karim, Ali, Calcutta, British India. Manufacture of molded products from vegetable starting material. 2,382,568; Aug. 14.

Kathe, Bertram C., Detroit, Mich. Electrodeposition. 2,381,911; Aug. 14.

Katz, Jack, and A. Alfano, New York, N. Y. Animal trophy cut out. 2,382,231; Aug. 14.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,382,795; Aug. 14.

Kauth, Henry J., Rome, assignor to General Cable Corporation, New York, N. Y. Method of manufacturing electrical conductors. 2,382,423; Aug. 14.

Kavanagh, Frank W., B. B. Farrington, and J. O. Clayton, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded mineral oil. 2,381,912; Aug. 14.

Kayler, Frank H.: *See*—
Kinne, E. P., and Kayler.

Kearney & Trecker Corporation: *See*—
Armitage, Joseph B., assignor.

Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Producing chromates. 2,382,157; Aug. 14.

Keim, Melville: *See*—
Andresen, Hilmar A., assignor.

Keiser, Bernhard: *See*—
De Groote, M., and Keiser.

Keiser, Russell W., assignor to Boucher and Keiser Company, Atlanta, Ga. Fluorescent lamp circuits. 2,382,012; Aug. 14.

Keiser, Russell W., and C. P. Boucher, assignors to Boucher and Keiser Company, Atlanta, Ga. Fluorescent lighting. 2,382,638; Aug. 14.

Kellogg Company: *See*—
Lindow, C. W., and Thompson, assignors.

Kellogg, M. W., Company, The: *See*—
Belchetz, Arnold, assignor.
Solomon, E., Passino, and Rubin, assignors.

Kelly, Dwight N., assignor to A. Brandwein & Company, Chicago, Ill. Mattress border stitching machine. 2,382,486; Aug. 14.

Kendall, Edgar H.: *See*—
Hopkins, J. H., and Kendall.

Kennard, Harry M., Santa Barbara, Calif. Drill guide. 2,382,639; Aug. 14.

Kennedy, Verne C., Evanston, assignor to Dormeyer Corporation, Chicago, Ill. Food mixer power unit. 2,382,158; Aug. 14.

Kenney, Mahlon W., Oak Park, and H. G. Jensen, assignors to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,382,487; Aug. 14.

Kenney, Mahlon W., Oak Park, and H. G. Jensen, assignors to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,382,488; Aug. 14.

Kenyon, William O., and T. F. Murray, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Resinous polymer of methylene dioxolane. 2,382,640; Aug. 14.

Kerstein, Norman A.: *See*—
Rohrig, I. A., and Kerstein.

Kezer, Henry A., El Paso, Tex. Solar heater. 2,382,722; Aug. 14.

Kharasch, Morris S., Chicago, Ill., and W. B. Reynolds, Cincinnati, Ohio, assignors to Research Corporation, New York, N. Y. Preparation of limonene. 2,382,641; Aug. 14.

Kidder, Austin C.: *See*—
Whitney, L. A., and Kidder.

Kilborn, Karl B., assignor to Wingfoot Corporation, Akron, Ohio. Rubber-cushioning unit and making same. 2,382,569; Aug. 14.

King, Harry, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Workpiece feeding means for machine tools. 2,382,013; Aug. 14.

Kinkead, Fullerton S.: *See*—
Bacon, W. M., Kinkead, and Krecek.

Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Coupler. 2,382,232; Aug. 14.

Kinser, Vernon, Butterfield, Mo. Steering stabilizer. 2,382,424; Aug. 14.

Kirsebom, Gustaf N., Nordeide, Norway; vested in the Alien Property Custodian. Producing or refining aluminum. 2,382,723; Aug. 14.

Kisch, Louis A.: *See*—
Goodloe, A. M., and Kisch.

Kivley, Ray C., Oak Park, and A. Pearson, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Article supporting device. 2,382,233; Aug. 14.

Klein, Harry R., Chicago, Ill. Faucet attachment. 2,382,066; Aug. 14.

Klemm, Harry A. R., Rutherford, N. J. Muffler. 2,382,159; Aug. 14.

Klinglesmith, Henry E., Los Angeles, Calif. Device for polishing locomotive crank pins. 2,382,642; Aug. 14.

Knaggs, Nelson S., Cincinnati, Ohio, assignor to Moore Business Forms, Inc. Hectograph printing ink. 2,382,796; Aug. 14.

Knecht, C. I., et al.: *See*—
Wood, Oliver W., assignor.

Kniel, Ludwig, Jackson Heights, assignor to The Lummus Company, New York, N. Y. Alkylation. 2,382,067; Aug. 14.

Knowlton, Cutler D., Rockport, assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Box-making apparatus. 2,381,961; Aug. 14.

Koch, Edward L., Williston Park, assignor to George W. Gates & Co., Inc., Long Island, N. Y. Ultraviolet lamp. 2,382,939; Aug. 14.

Koch, Henry C., Chicago, Ill., assignor to Manufacturers Specialty Company. Building siding material. 2,382,234; Aug. 14.

Koch, William F., Detroit, Mich. Production of unsaturated bodies from hexose oxidation products. 2,382,425; Aug. 14.

Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation, Lubrication. 2,382,426; Aug. 14.

Kollenberg, Conrad H., Goose Creek, Tex., assignor to Standard Oil Development Company. Catalytic cracking process. 2,382,724; Aug. 14.

Kooperativa Forbundet Forening, U. P. A.: *See*—
Dahlberg, T. O. R., and Vigborg, assignors.

Koppel, Ernst R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Connection for containers. 2,382,489; Aug. 14.

Koppl, Ernest, Huntington Beach, and F. W. Harris, assignors to Patco, Inc., Los Angeles, Calif. Rotary underreamer. 2,382,725; Aug. 14.

Korte, Helmuth, W. Waibel, and J. Metzger, Frankfort-on-the-Main, Germany; vested in the Alien Property Custodian. Apparatus for the chlorination of bast fibers. 2,382,726; Aug. 14.

Kovacs, Frank, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio. Manufacturnig tires. 2,382,068; Aug. 14.

Kovacs, Frank, Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Apparatus for manufacturing tires. 2,382,069; Aug. 14.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Frictional clutching device. 2,382,570; Aug. 14.

Kramer, Herman C., New York, N. Y. Crab net. 2,382,319; Aug. 14.

Kratz, Edwin E., Kansas City, Mo. Fountain pen. 2,382,070; Aug. 14.

Krecek, Joseph A.: *See*—
Bacon, W. M., Kinkead, and Krecek.

Krone, Howard C., River Edge, and W. Meyer, East Orange, assignor to Wheaton Brass Works, Newark, N. J. Hose coupling. 2,381,962; Aug. 14.

Kronenberger, Adam, Berlin, Germany; vested in the Alien Property Custodian. Automatic steering device for aircraft. 2,382,727; Aug. 14.

Krueger, Arthus C.: *See*—
Findley, K., Krueger, Hecker, Matteson, and Findley.

Kube, Ludwig: *See*—
Weeks, W. D., and Kube, assignors.

Kuckel, Herbert, New Orleans, La. Gliding shelves for deep refrigerators. 2,382,160; Aug. 14.

Kuehn, Howard E., Stonington, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Wire stranding machine creel. 2,382,884; Aug. 14.

Kuhlik, Hattie B.: *See*—
Kuhlik, Jacob M., assignor.

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Brooklyn, N. Y. Film supporting base for sound recording machines. 2,382,161; Aug. 14.

Kupchick, Edward, Brooklyn, assignor to Bulova Watch Company, New York, N. Y. Waterproof watch. 2,382,728; Aug. 14.

Kury, Josef: *See*—
Bobst, H., and Kury.

Kurzbin, Karl, Berkeley, Calif. Fish packing machine. 2,382,729; Aug. 14.

Kylin, Oskar, Cleveland Heights, assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Adjustable supporting tool. 2,382,571; Aug. 14.

Kyrides, Lucas P., Webster Groves, and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing gamma-acetopropanol. 2,382,071; Aug. 14.

Lafferty, Jerome C., Los Angeles, Calif. Astronomical device. 2,382,643; Aug. 14.

Lamar, Harry H., Wilkinsburg, Pa. Valve structure. 2,382,235; Aug. 14.

Lance, David: *See*—
Goodman, M., and Lance.

Landay, Horace J., Woodmere, N. Y., and C. W. Warren, North Plainfield, N. J. Gauging apparatus. 2,382,885; Aug. 14.

Landis & Gyr, A. G.: *See*—
Heynisch, Paul, assignor.
Perret, Henri, assignor.

Landis Tool Company: *See*—
Elberty, Robert S., Jr., assignor.

Landry, Henry J.: *See*—
Bockus, R. C., and Landry.

Lane-Wells Company: *See*—
Batchelder, Dean E., assignor.
Turechek, George F., assignor.

Langan, Thomas, Annapolis, Md. Bilge pump. 2,382,797; Aug. 14.

Langan, Thomas, Annapolis, Md. Bilge pump. 2,382,798; Aug. 14.

Langdon, Jesse D., Los Angeles, Calif. Siphon breaker and valve. 2,382,427; Aug. 14.

Lange, Edward H., Baltimore, Md. Universal demodulator for frequency and amplitude modulation. 2,382,014; Aug. 14.

Lange, Edward H., Baltimore, Md. Demodulator for frequency and amplitude modulation. 2,382,015; Aug. 14.

Lapointe Machine Tool Company, The: *See*—
Bonnafe, Oliver W., assignor.

Laufenberg, Walter, Berlin-Lankwitz, E. Maslanka, Birkenwerder, near Berlin, and H. Weissenburger, Berlin-Tempelhof, Germany, assignors, by mesne assignments, to The Licoro Corporation, New York, N. Y. Synthetic plastics and films and producing them. 2,382,238; Aug. 14.

Lawlor, Joseph P., Ames, Iowa. Method and apparatus for treating water. 2,382,490; Aug. 14.

Laxo, Ed, Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for tinning margins of black iron can body blanks. 2,382,236; Aug. 14.

Laxo, Ed, Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for tinning margins of black iron can body blanks. 2,382,237; Aug. 14.

Lea, Percy R., Stockton, Calif. Automatic propeller pitch control device. 2,382,072; Aug. 14.

Leach, Lawrence D., and L. G. Strom, Minneapolis, Minn.; said Strom assignor to said Leach. Brush holder. 2,382,799; Aug. 14.

Lear, Earl B., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Brake for hoists. 2,382,644; Aug. 14.

Leaver, Paul J., Lowell, Mass., and P. W. Matthews, Fontana, Calif. Propeller hoist. 2,381,913; Aug. 14.

Lederer, Iven W.: *See*—
Stephens, L. A., and Lederer.

Lee, Edward C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oil. 2,382,239; Aug. 14.

Lee, Elizabeth K.: *See*—
Lee, H. C., Lee, and Schoenlaub.

Lee, Harley C., and E. K. Lee, Columbus, and R. A. Schoenlaub, Tiffin, assignors to Basic Refractories, Inc., Cleveland, Ohio. Treatment of lime-containing raw materials. 2,382,886; Aug. 14.

Leflar, Jerome, and V. L. Darnell, assignors to The Master Electric Company, Dayton, Ohio. Motor housing. 2,381,914; Aug. 14.

Le Gere, Joseph F.: *See*—
Blackmon, J. M., and Le Gere.

Lehane, Timothy J., and E. H. Burgess, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostat control circuit. 2,382,073; Aug. 14.

Leidgen, Mildred: *See*—
Leidgen, Nicholas C., assignor.

Leidgen, Nicholas C., Lansing, Mich., assignor, by decree of distribution, to M. Leidgen. Window sash control device. 2,381,976; Aug. 14.

Leisenring, Arthur C., Denver, Colo. Wrench. 2,382,074; Aug. 14.

Lent, Clifford M., Peekskill, N. Y., assignor, by mesne assignments, to Interchemical Corporation. Flat coating composition and an oilcloth made therefrom. 2,381,915; Aug. 14.

Leone, Domenico: *See*—
Weiss, Ugo, and Leone.

Lesavoy, I. Lawrence, Allentown, Pa., and I. Brecher, New York, N. Y. Carton. 2,382,240; Aug. 14.

Leslie, Freeland H., Chicago, Ill. Vertical wall louver. 2,382,075; Aug. 14.

Leslie, Freeland H., Chicago, Ill. Slant roof louver. 2,382,076; Aug. 14.

Leslie, Freeland H., Chicago, Ill. Power press brake and die set. 2,382,077; Aug. 14.

Letoile, Albert, North Providence, R. I. Window casing bracket for shades or curtains. 2,382,887; Aug. 14.

Leuvelink, Bernard, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clamping device. 2,382,428; Aug. 14.

Levine, Arthur R.: *See*—
Stone, R., and Levine.

Levy, Norman, Norton Hall, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of nitroparaffins. 2,382,241; Aug. 14.

Levy, William B., Wilmington, Del. Thermocouple mounting for furnaces. 2,382,888; Aug. 14.

Levyn, Joseph I., Brooklyn, N. Y. Window construction. 2,382,162; Aug. 14.

Lewis Invisible Stitch Machine Company: *See*—
Mann, Joseph, assignor.

Licoro Corporation, The: *See*—
Laufenberg, W., Maslanka, and Weissenburger, assignors.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricant. 2,382,730; Aug. 14.

Lieber, Herman F.: *See*—
Bradbury, W. T., Chesser, and Lieber.

Lincks, George F.: *See*—
Suits, C. G., and Lincks.

Lindhardt, Erik J.: *See*—
Joyce, F. E., and Lindhardt.

Lindow, Carl W., and J. J. Thompson, assignors to Kellogg Company, Battle Creek, Mich. Food composition. 2,382,242; Aug. 14.

Line Material Company: *See*—
Brown, Chester W., assignor.

Lippert, Hanns, Zurich, Switzerland. Sear control mechanism for automatic firearms. 2,381,916; Aug. 14.

Liquidometer Corporation, The: *See*—
De Giers, Clarence A., assignor.

Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Adhesive. 2,382,731; Aug. 14.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Electric valve system. 2,382,243; Aug. 14.

Lock, Ritchie H., Chigwell, England. Manufacture of lactic acid and salts thereof. 2,382,889; Aug. 14.

Lockheed Aircraft Corporation: *See*—
Burt, Robert C., assignor.
Harasta, Clarence J., assignor.

Loeb, Felix F., Chicago, and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Cabinet with drawers. 2,382,429; Aug. 14.

Loftus, Fred H., Mount Lebanon, Pa. Furnace unloader. 2,382,491; Aug. 14.

Logsdon, Harry, Newton, Iowa. Mailbox. 2,382,645; Aug. 14.

Logue, Eugene W., assignor to J. E. Logue, Caldwell, Kans. Forced draft heater. 2,382,800; Aug. 14.

Logue, Julia E.: *See*—
Logue, Eugene W., assignor.

Lomax, Frank B., Chicago, Ill. Apparatus for treating eggs. 2,382,492; Aug. 14.

London, Aaron, Brooklyn, N. Y. Necktie support. 2,382,430; Aug. 14.

Long, Richard H., Oakland, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Variable cycle timer. 2,382,078; Aug. 14.

Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Frictional controlling device for rotating bodies. 2,382,373; Aug. 14.

Lord Manufacturing Company: *See*—
Lord, Hugh C., assignor.
Wallerstein, Leon, Jr., assignor.

Lornitzo, Frank C., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Control for pressing machines. 2,381,917; Aug. 14.

Lornitzo, Frank C., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Flow control for pressing machines. 2,381,918; Aug. 14.

Lornitzo, Frank C., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Safety control for pressing machines. 2,382,322; Aug. 14.

Lornitzo, Frank C., Pawtucket, assignor to Pantex Pressing Machine, Inc., Central Falls, R. I. Latch control for pressing machines. 2,382,323; Aug. 14.

Loth, William A. and S. M. H. Guyot, Paris, France; vested in the Alien Property Custodian. Swivelling screw propeller. 2,382,431; Aug. 14.

Loughlin, James F., New York, N. Y. Separating and recovering constituents of tall oil. 2,382,890; Aug. 14.

Lounsbury, John C., Washington, D. C. Needle threader. 2,382,079; Aug. 14.

Love, Aubrey, Ridgewood, N. J., assignor of one-fourth to E. J. Garity, New York, N. Y. Aircraft control. 2,382,016; Aug. 14.

Löwenstein, Leo, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Producing foam baths. 2,382,732; Aug. 14.

Lowry, Jesse R., Des Moines, Iowa. Pump. 2,382,080; Aug. 14.

Luáces, Enrique L., and M. A. Crosby, assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Treating wire for belt manufacture. 2,382,081; Aug. 14.

Lucas, Jay J., assignor of 25 percent to I. Elenbas, Centerline, Mich. Pencil sharpener. 2,382,017; Aug. 14.

Lummus Company, The: *See*—
Bloomer, Ward J., assignor.
Kniel, Ludwig, assignor.
Schutte, August H., assignor.

Lundquist, Wilton G., Hohokus, and E. H. Olson, Paterson, N. J., assignors to Wright Aeronautical Corporation. Intake manifold arrangement. 2,382,244; Aug. 14.

Lyon Metal Products, Incorporated: *See*—
Loeb, F. F., and Bales, assignors.

Maag-Zahnräder und -Maschinen Aktiengesellschaft: *See*—
Ernst, Daniel, assignor.

Macdonald, Kenneth W., Watertown, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Heel treating. 2,382,247; Aug. 14.

Mackey, Henry W., assignor to Motor Products Corporation, Detroit, Mich. Graining machine. 2,382,324; Aug. 14.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,382,163; Aug. 14.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 3,382,164; Aug. 14.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,382,165; Aug. 14.

MacMillin, Howard F.: *See*—
Flowers, P. E., Ernst, and MacMillin.

Magin, Jacob B., assignor to Art in Buttons, Incorporated. Rochester, N. Y. Press guard. 2,382,494; Aug. 14.

Maguire Industries, Incorporated: *See*—
Donnelly, John C., assignor.

Malatesta, John B., Jr., North Hollywood, Calif. Indicator. 2,382,495; Aug. 14.

Mann, Joseph, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Sewing machine. 2,381,977; Aug. 14.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Variable grid circuit. 2,382,435; Aug. 14.

Manning, Bowman & Co.: *See*—
Heinrich, George C., assignor.

Manning, Maxwell & Moore, Inc.: *See*—
Conrad, Albert G., assignor.
Hiller, Fritz E., assignor.

Manny, Raymond A., New York, N. Y. Brush holder. 2,382,894; Aug. 14.

Manufacturers Specialty Company: *See*—
Koch, Henry C., assignor.

Marble, Frank G., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reactance tube circuit. 2,382,436; Aug. 14.

Marcy, Gerald P., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,382,733; Aug. 14.

Marine Magnesium Products Corporation: *See*—
Hansgirg, Fritz J., assignor.

Marine Salvage & Equipment, Inc.: *See*—
Zoll, Carl M., assignor.

Marks, Henry C., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical determination or control of chlorine in liquids. 2,382,734; Aug. 14.

Marks, Henry C., Bloomfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Electrical cell apparatus. 2,382,735; Aug. 14.

Marohl, Lillian L., St. Paul, Minn. Cover lock for cans. 2,382,083; Aug. 14.

Marsack Patents Corporation: *See*—
Marsack, Sam, assignor.

Marsack, Sam, assignor to Marsack Patents Corporation, Milwaukee, Wis. Mattress construction. 2,382,496; Aug. 14.

Marsh, Walter H.: *See*—
Thoresen, Einar and Marsh.

Martin, Edwin D., assignor to Inland Steel Company, Chicago, Ill. Apparatus for electroplating. 2,382,018; Aug. 14.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. New thermoplastic compositions and making same. 2,382,497; Aug. 14.

Martin, James, Higher Denham, near Uxbridge, England. Hinge pin, retainer pin, and the like provided with self-locking means. 2,382,166; Aug. 14.

Martin, James, Higher Denham, near Uxbridge, England. Mounting of small cannon in the wings and the like of aircraft. 2,382,325; Aug. 14.

Martin, Thomas A., Springfield, Long Island, N. Y. Alkalinity regulator for washing machine tanks. 2,382,648; Aug. 14.

Marx, Louis, & Company, Inc.: *See*—
Smith, A. N., and Godfrey, assignors.

Maslanka, Erich: *See*—
Laufenberg, W., Maslanka, and Weissenburger.

Mason, Claude D., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Composite rubber and fibrous material and making same. 2,382,248; Aug. 14.

Mason, Clesson E., Brookline, assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 2,382,895; Aug. 14.

Mason, Collins, Beverly Hills, Calif. Label. 2,382,736; Aug. 14.

Massey-Harris Co., Ltd.: *See*—
Ego, George R., assignor.

Master Electric Company, The: *See*—
Leflar, J., and Darnell, assignors.

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 2,381,978; Aug. 14.

Mathews, George W., Chicago, Ill. Quick freezing apparatus. 2,382,084; Aug. 14.

Mathieson Alkali Works, Inc., The: *See*—
MacMahon, James D., assignor.
Vincent, G. P., and Dubeau, assignors.

Matteson, Jesse: *See*—
Findley, K., Krueger, Hecker, Matteson, and Findley.

Matthews, Phillip W.: *See*—
Leaver, P. J., and Matthews.

Maurer, Gottfried, Zurich, assignor to the firm Müller A.-G. Brugg, Maschinenfabrik und Eisengiesserei Brugg, Brugg, Switzerland. Adjusting and control device for material working machines. 2,382,801; Aug. 14.

Maurer, J. A., Inc.: *See*—
Maurer, John A., Jr., assignor.
Offner, Abe., assignor.

Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Sound film printing optical system. 2,381,979; Aug. 14.

Max Ams Machine Company, The: *See*—
Diezel, Willy, assignor.

McCarthy, Henry J., Danvers, Mass., assignor to Sylvania Electric Products, Inc. Electrical switching means. 2,382,646; Aug. 14.

McCollum, Henry J., De N., deceased, Chicago, Ill.; T. McCollum, executrix. Aircraft heating system. 2,382,493; Aug. 14.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Manufacturing shaft seal assemblies. 2,382,245; Aug. 14.

McCormick, James A., Kalamazoo, Mich., assignor to Fruit & Produce Packing, Inc., Indianapolis, Ind. Shipping and display, high pack container. 2,382,891; Aug. 14.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,382,246; Aug. 14.

McGraw Electric Company: *See*—
Osterheld, Clark M., assignor.

McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Methyl silicon polymers and preparation. 2,382,082; Aug. 14.

McGuinness, Edward J., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cleaning apparatus. 2,382,892; Aug. 14.

McKim, Burton, East Orange, N. J., and O. Myers, Mount Vernon, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,382,893; Aug. 14.

McLaren, Ian, New York, N. Y. Bubble forming device. 2,382,949; Aug. 14.

McLoughlin, Harold F., Shenstone, near Lichfield, W. E. Hill, Streetly, and R. W. Morgan and T. D. G. Wintle; said McLoughlin assignor to J. A. Crabtree & Co. Limited, Walsall, Stafford County, England. Electrical wiring system. 2,382,647; Aug. 14.

McManus, Charles E., Spring Lake, N. J., and J. D. Elder, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for depositing vaporized metal coatings. 2,382,432; Aug. 14.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,382,433; Aug. 14.

McNitt, Robert J., Perth Amboy, N. J. Method and apparatus for recovering a light metal. 2,382,434; Aug. 14.

Mecca, Sebastian B., assignor to Schuylkill Chemical Company, Philadelphia, Pa. Plant growth stimulant. 2,382,326; Aug. 14.

Medcoff, Franklin E., Grand Rapids, Mich. Barking machine. 2,382,896; Aug. 14.

Megar, David, New York, N. Y. Spring bar. 2,382,249; Aug. 14.

Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Surfacing machine. 2,382,940; Aug. 14.

Merck & Co., Inc.: *See*—
Harris, Stanton A., assignor.

Messer, William E., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Emulsion copolymerization of butadiene-1,3 hydrocarbons and monovinyl compounds copolymerizable therewith. 2,382,802; Aug. 14.

Metal Alloys, Inc.: *See*—
Fink, Colin G., assignor.

Metal Textile Corporation: *See*—
Goodloe, Alfred M., assignor.
Goodloe, A. M., and Kisch, assignors.

Metallizing Engineering Company Inc.: *See*—
Shepard, A. P., and Ingham, assignors.

Metzger, Johann: *See*—
Korte, H., Waibel, and Metzger.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. 2,381,919; Aug. 14.

Meyer, Walter G., Warren, Pa., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Manufacture of levulinic acid. 2,382,572; Aug. 14.

Meyer, William: *See*—
Krone, H. C., and Meyer.

Micafil Ltd., Works for Electrical Insulation and Winding Machines: *See*—
Kappeler, Hans, assignor.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of vitamin A. 2,382,085; Aug. 14.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of ethers of vitamin A. 2,382,086; Aug. 14.

Miles, Charles B., Upper Darby, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing stabilized synthetic fluoaluminate. 2,382,327; Aug. 14.

Millelot, Paul W., Jr.: *See*—
Robinson, J. E., Bopp, and Millelot.

Miller, Alexander A., Stamford, Conn., and T. F. Bradley, Edgewood, Md., assignors to American Cyanamid Company, New York, N. Y. Reaction products of dienes and producing same. 2,382,803; Aug. 14.

Miller, Edwin A., Fairfield, Conn. Compound screw. 2,382,019; Aug. 14.

Miller, Horace G.: *See*—
Wallace, M., and Miller.

Miller, Godfrey A., assignor to The De Vilbiss Company, Toledo, Ohio. Conveyer. 2,382,087; Aug. 14.

Miller, Ohmer R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telemetric device. 2,381,920; Aug. 14.

Miller, Oran E.: *See*—
Capstaff, John G., and Miller.

Millers Falls Company: *See*—
Shortell, William H., assignor.

Mine Safety Appliances Company et al.: *See*—
Yant, William P., assignor.

Miner, W. H., Inc.: *See*—
Haseltine, Stacy B., assignor.

Minerals Separation North American Corporation: *See*—
Schilling, K. F., Cole, Duke, and Houston, assignors.

Mining Process and Patent Company: *See*—
Finney, John H. V., assignor.

Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Egg separator. 2,382,737; Aug. 14.

Minnesota Mining & Manufacturing Company: *See*—
Hendricks, James O., assignor.

Mishawaka Rubber and Woolen Manufacturing Company: *See*—
Mason, Claude D., assignor.

Mitchell, Donald H.: *See*—
Burbank, W. E., and Mitchell.

Mitchell, Walter, Jr., Scarsdale, N. Y. Package. 2,382,368; Aug. 14.

Moffitt, William E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch. 2,382,088; Aug. 14.

Molly, Hans, Berlin-Tempelhof, Germany; vested in the Alien Property Custodian. Hydraulic starter. 2,382,437; Aug. 14.

Monsanto Chemical Company: *See*—
Beaver, David J., assignor.
Benignus, Paul G., assignor.
Emerson, William S., assignor.
Kyrides, L. P., and Zienty, assignors.
Martin, George D., assignor.

Moore Business Forms, Inc.: *See*—
Knaggs, Nelson S., assignor.
Staneslow, Bernard J., assignor.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Valve positioner. 2,382,941; Aug. 14.

Moore, George A., New York, N. Y. Container. 2,382,573; Aug. 14.

Moore Products Co.: *See*—
Moore, Coleman B., assignor.

Moore, Ralph H., Pasadena, Calif. Insulated vehicle body. 2,381,981; Aug. 14.

Moore, William J.: *See*—
Whitmoyer, C. W., and Moore.

Morgan, Richard W.: *See*—
McLoughlin, H. F., Hill, Morgan, and Wintle.

Morgenstern, Jacob, Brooklyn, N. Y. Fur wetting apparatus. 2,382,089; Aug. 14.

Morley, John F., London, W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical insulating material. 2,382,498; Aug. 14.

Moroney, Edward F., Penarth, Glamorgan, South Wales. Ship structure. 2,382,499; Aug. 14.

Morris Paper Mills: *See*—
Arneson, Edwin L., assignor.

Morrison, Alexander L.: *See*—
Bergel, F., Hindley, Morrison, and Rinderknecht.

Morrison, David L., Bloomfield, N. J. Music character printing. 2,382,804; Aug. 14.

Mosthaf, Edwin, Mount Vernon, N. Y. Spark plug terminal. 2,382,805; Aug. 14.

Motson, James F., Fox Chase Manor, Pa. Synthetic plastic article and making the same. 2,382,806; Aug. 14.

Motor Products Corporation: *See*—
Mackey, Henry W., assignor.

Moyses, Harry E., New York, N. Y. Decorative switch manipulator. 2,382,738; Aug. 14.

Müller A.-G. Brugg, Maschinenfabrik und Eisengiesserei Brugg: *See*—
Maurer, Gottfried, assignor.

Müller, Heinz O., Berlin-Spandau, Germany; vested in the Alien Property Custodian. Apparatus for taking pictures of the images produced by electron optic apparatus. 2,382,739; Aug. 14.

Muller, John T., Livingston, assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 2,382,897; Aug. 14.

Munro, Donald H., Toronto, Ontario, Canada. Hockey game. 2,382,328; Aug. 14.

Munro, Donald H., Toronto, Ontario, Canada. Baseball game. 2,382,329; Aug. 14.

Murchey Machine & Tool Company: *See*—
Prance, Albert J., assignor.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut and nut installation. 2,382,942; Aug. 14.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Turn button fastener. 2,382,943; Aug. 14.

Murray, Thomas F., Jr.: *See*—
Kenyon, W. O., and Murray.

Myers, Oscar: *See*—
McKim, B., and Myers.

Nachod, Frederick: *See*—
Riley, R., and Nachod.

Nador, Emory: *See*—
Sheldrick, L. S., Farkas, and Nador.

Nagel, Nathan, et al.: *See*—
Young, Edgar C., assignor.

Nagin, Harry S., Pittsburgh, Pa., assignor to Reliance Steel Products Company. Treatment of grating structures. 2,382,898; Aug. 14.

Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Brush assembly. 2,381,982; Aug. 14.

Nash-Kelvinator Corporation: *See*—
Philipp, Lawrence A., assignor.

Nashua Gummed and Coated Paper Company: *See*—
Gautier, T. R., and Hoitt, assignors.

National Brass Company: *See*—
Quigley, H., and Ter Meer, assignors.

National Broach & Machine Company: *See*—
Connell, John L., assignor.

National By-Products, Incorporated: *See*—
Joyce, F. E., and Lindhardt, assignors.

National Cash Register Company, The: *See*—
Edmonson, Roger W., assignor.

National Lead Company: *See*—
Kebrich, Leonard M., assignor.

National-Standard Company: *See*—
Shook, Florain J., assignor.

National Supply Company, The: *See*—
Timbs, Edward, assignor.

National Tube Company: *See*—
Nesbitt, A. B., and Webb, assignors.

Neatform Co. Inc., The: *See*—
Goodman, M., and Lance, assignors.

Nelson, Nels H., Minneapolis, Minn. Traction wheel. 2,382,090; Aug. 14.

Nesbitt, Andrew B., and S. Webb, Pittsburgh, Pa., assignors to National Tube Company. Cutting-off tool. 2,382,020; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,649; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,650; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,651; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,652; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,653; Aug. 14.

Nesbitt, Ethan A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic materials. 2,382,654; Aug. 14.

Newark Stove Company: *See*—
Bradbury, W. T., Chesser, and Lieber, assignors.

New Britain Machine Co., The: *See*—
Rockwell, Edward A., assignor.

Newcomb, William, Brooklyn, N. Y. Burner and support therefor. 2,382,900; Aug. 14.

Newell, Felix R., Detroit, Mich. Machinist's gauge and miter measuring device. 2,382,250; Aug. 14.
Newman, Robert J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of branched chain paraffin hydrocarbons. 2,382,899; Aug. 14.
Newsome, John H., Rahway, and A. Davis, Union, N. J., assignors to Elastic Stop Nut Corporation. Apparatus for bending channels or the like. 2,382,901; Aug. 14.
Nichols, Warren O., assignor to Allied Plastics Company, Los Angeles, Calif. Auxiliary scrap feed for plastic molding machines. 2,382,655; Aug. 14.
Nielsen, Russell A.: *See*—
Penney, G. W., and Nielsen.
Nobles, Warren H., assignor to Seeger Refrigerator Company, St. Paul, Minn. Method and apparatus for bending sheet material. 2,382,807; Aug. 14.
Noffsinger, Fred P., Greeley, Colo. Sprocket wheel. 2,382,740; Aug. 14.
Noguera, Joseph, assignor to Casablancas' High Draft Company Limited, Manchester, England. Drafting mechanism for textile fibers. 2,381,983; Aug. 14.
Nord, Eric T., assignor to U. S. Automatic Corporation, Amherst, Ohio. Milling and marking machine. 2,381,921; Aug. 14.
Norman, George M., Fairville, Pa., and J. Stuart II, assignors to Hercules Powder Company, Wilmington, Del. Centrifugal. 2,382,574; Aug. 14.
Norris, John G., Bloomer, Wis. Chiropractic adjustment table. 2,381,922; Aug. 14.
Nysewander, Cecil W.: *See*—
Sutton, M., and Nysewander.
Obenshain, Noel, Piedmont, W. Va., and M. A. Sively, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Self-cleaning filter. 2,382,656; Aug. 14.
Obtresal, Robert, Magdeburg, Germany; vested in the Alien Property Custodian. Hydraulic drive. 2,381,923; Aug. 14.
Ochsenbein, Walter, assignor to Hasler A. G. Werke für Telephonie und Prazisionsmechanik, Bern, Switzerland. Magneto ignition device with interrupter for internal-combustion engines. 2,382,808; Aug. 14.
Odin Corporation: *See*—
Svenson, Ernest J., assignor.
Offner, Abe, Brooklyn, assignor to J. A. Maurer, Inc., New York, N. Y. Sound film printing optical system. 2,381,980; Aug. 14.
Ogorzaly, Henry J.: *See*—
Carlsmith, L. E., and Ogorzaly.
Ohio Crankshaft Company, The: *See*—
Denneen F. S., and Dunn, assignors.
Oil Devices: *See*—
Breese, J. L., and Hayter, assignors.
Huston, Milton D., assignor.
Oil Distribution Appliances Limited: *See*—
Elliott, Peter M., assignor.
Okonite-Callender Cable Company, The: *See*—
White, Francis J., assignor.
Olgiati, Mario A., Detroit, Mich. Breadmaking machine. 2,382,657; Aug. 14.
Olin Industries, Inc.: *See*—
Seavey, Frederick R., assignor.
Oliver, Lee, Milford, assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn. Clasp. 2,382,658; Aug. 14.
Olson, Charles S., Gulfport, Miss. Wheeled figure toy. 2,382,091; Aug. 14.
Olson, Elden H.: *See*—
Lundquist, W. G., and Olson.
Olson, Vernon F., Long Beach, Calif. Toilet paper roll holder. 2,382,659; Aug. 14.
Onos, Abraham, Hawthorne, N. J. Mailbox. 2,382,092; Aug. 14.
Oquendo, Alberto C.: *See*—
Diaz y Diaz, Manuel, assignor.
Orefraction Incorporated: *See*—
Wiegand, Edwin L., assignor.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Multiple clutch assembly. 2,382,438; Aug. 14.
Osborn, Robert H., assignor to Hercules Powder Company, Wilmington, Del. Color grading apparatus and method. 2,382,439; Aug. 14.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,382,575; Aug. 14.
Oswego Falls Corporation: *See*—
Wilcox, I. L., and Horning, assignors.
Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Coking expanding coal. 2,382,809; Aug. 14.
Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Charging coke ovens. 2,382,810; Aug. 14.
Otto, Joe J., Seattle, Wash. Portable hand-operated cutting device. 2,382,021; Aug. 14.
Overton, Willis E., Baltimore, Md. Illuminated dial. 2,381,924; Aug. 14.
Ovitz, Frank K.: *See*—
Proell, W. A., and Ovitz.
Owens, Jesse C., Los Angeles, Calif. Antisiphon ball cock valve. 2,382,500; Aug. 14.
Oxley, Thomas A., and F. Y. Henderson, Slough, England. Apparatus for sorting granular material according to its moisture content. 2,382,168; Aug. 14.
Oxzyn Company: *See*—
Peña, Rafael J., assignor.
Oyler, Herbert J., Dallas, Tex., assignor to J. P. Seeburg Corporation, Chicago, Ill. Impulse transmitter 2,382,501; Aug. 14.
Pacific Car and Foundry Company: *See*—
Chriswell, Frederick W., assignor.
Pacific Electric Manufacturing Corporation: *See*—
Foulds, Charles V., assignor.
Packard Motor Car Company: *See*—
McFarland, Forest R., assignor.
Page, Herbert E.: *See*—
Aaron, Harry, assignor.
Pain, Edwin F., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Friction adjustment for levers. 2,382,330; Aug. 14.
Palmer, Ferris I., et al.: *See*—
Carssow, John F., assignor.
Pankey, Thomas L., Wauwatosa, and C. E. Imhoff, Calhoun Farms, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Boiler feedwater treatment process. 2,382,902; Aug. 14.
Panoramic Laboratories: *See*—
Wallace, M., and Miller, assignors.
Pantex Pressing Machine, Inc.: *See*—
Lornitzo, Frank C., assignor.
Papkin, David, assignor to Sargent & Company, New Haven, Conn. Adjustable clamp for food choppers or the like. 2,382,811; Aug. 14.
Parker, Joseph L., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phosphorus containing plastic polymers from 1,3-dienes. 2,382,812; Aug. 14.
Parker, Ralzemond D., Brooklyn, and A. Weaver, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph perforator-transmitter. 2,382,251; Aug. 14.
Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom. 2,382,741; Aug. 14.
Parks, Walter J., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Controlling dust in the screening of dust-laden material. 2,382,252; Aug. 14.
Pash, Robert, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping machine. 2,382,903; Aug. 14.
Passino, Herbert J.: *See*—
Solomon, E., Passino, and Rubin.
Patch, Harold K., Hermosa Beach, assignor to Crossfield Products Corp., Los Angeles, Calif. Protective coatings. 2,382,742; Aug. 14.
Patco, Inc.: *See*—
Koppl, E., and Harris, assignors.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,372,813; Aug. 14.
Pease, Charles F., Long Beach, Calif. Dispensing unit. 2,382,576; Aug. 14.
Pearson, Albert: *See*—
Kivley, R. C., and Pearson.
Pedersen, Charles J., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic substances. 2,382,904; Aug. 14.
Pedersen, Charles J., Penns Grove, N. J., and R. O. Bender, Ridley Park, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of petroleum hydrocarbons. 2,382,905; Aug. 14.
Pedersen, Charles J., Penns Grove, N. J., and R. O. Bender, Ridley Park, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of petroleum hydrocarbons. 2,382,906; Aug. 14.
Peevey, Lafayette H., Alameda, Calif. Conduit or pipe support. 2,382,577; Aug. 14.
Pemberton, J. R., et al.: *See*—
Dale, Clarence R., assignor.
Peña, Rafael J., New York, N. Y., assignor to Oxzyn Company. Manufacture of multiply devices. 2,382,169; Aug. 14.
Penberthy, Harvey L., assignor to Eastman Kodak Company, Rochester, N. Y. Treatment of optical surfaces. 2,382,660; Aug. 14.
Penick, Arthur J., Houston, Tex. Producing equipment for wells. 2,382,578; Aug. 14.
Penney, Gaylord W., and R. A. Nielsen, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-cleaning means and methods. 2,382,253; Aug. 14.
Penney, Gaylord W., and R. A. Nielsen, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Precipitator. 2,382,254; Aug. 14.
Pennsylvania Salt Manufacturing Company, The: *See*—
Miles, Charles B., assignor.
Penther, Carl J., and F. B. Rolfson, Oakland, assignors to Shell Development Company, San Francisco, Calif. Electromagnetic apparatus for pipe-line surveys. 2,382,743; Aug. 14.
Percentograph Inc.: *See*—
Turnbaugh, Elbert L., assignor.
Permutit Company, The: *See*—
Riley, R., and Nachod, assignors.

Perret, Henri, Zug, Switzerland, assignor to Landis & Gyr, A. G. Electric switch. 2,382,022; Aug. 14.
Perry, Robert E. W., West Hollywood, Los Angeles, Calif. Apparatus for practicing football goal kicking. 2,382,744; Aug. 14.
Perry, William E.: *See*—
Arnold, M. H. M., and Perry.
Persin, Jean, Paris, France; vested in the Alien Property Custodian. Press button closure band. 2,382,907; Aug. 14.
Petersen, Charles A., Erie, Pa., assignor to General Electric Company. Electric protective system. 2,382,908; Aug. 14.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Overrunning clutch construction. 2,382,331; Aug. 14.
Peterson, Carl E., Upper Montclair, N. J. Cutting implement. 2,382,440; Aug. 14.
Peterson, Willard D.: *See*—
Seymour, M. W., and Peterson.
Petrolite Corporation, Ltd.: *See*—
De Groote, M., and Keiser, assignors.
Pezzaglia, Philip: *See*—
Ross, W. E., and Pezzaglia.
Phelan, Stephen R., Memphis, Tenn. Making geophysical surveys. 2,382,093; Aug. 14.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Air conditioning apparatus. 2,382,502; Aug. 14.
Phillips, Frederick G., Port Moody, British Columbia, Canada. Lamp base remover. 2,382,170; Aug. 14.
Phillips Petroleum Company: *See*—
Buell, Charles K., assignor.
Frey, Frederick E., assignor.
Garretson, Owen L., assignor.
Schulze, Walter A., assignor.
Washburn, Edward N., assignor.
Welling, Charles E., assignor.
Phipps, John T., Huntington Park, assignor to M. O. Johnston Oil Field Service Corporation, Los Angeles, Calif. Hook wall well packer. 2,382,094; Aug. 14.
Phonovision Corporation: *See*—
Eakins, John F., assignor.
Pick, Joseph W.: *See*—
Gaston, L. J., Jr., and Pick.
Pieper, Chester R., Warrenton, Mo. Electrical connector. 2,382,095; Aug. 14.
Pierce, Charles W., La Crescenta, Calif., assignor to Viber Company. Paving machine. 2,382,096; Aug. 14.
Pierce, James B., Jr., deceased, Charleston W. Va.; The First National Bank of Tampa, Florida, executor. Manufacture of strontium oxide. 2,382,909; Aug. 14.
Pincus, Alexis G., assignor to American Optical Company, Southbridge, Mass. Glass composition. 2,381,925; Aug. 14.
Pines, Herman: *See*—
Ipatieff, V. N., and Pines.
Pinkston, John T., Jr., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,382,910; Aug. 14.
Pitometer Log Corporation: *See*—
Corbin, Francis L., assignor.
Pittsburgh Equitable Meter Company: *See*—
Thoresen, E., and Marsh, assignors.
Plating Products Co., The: *See*—
Wood, Oliver W.
Podesta, John W., assignor to American Broach & Machine Co., Ann Arbor, Mich. Power transmission system. 2,382,023; Aug. 14.
Polgar, William, New York, N. Y. Protective casing for textiles by the yard. 2,382,332; Aug. 14.
Pomykala, Edmund S., Mobile, Ala. Underground storage tank. 2,382,171; Aug. 14.
Poole, Arthur B., Harwinton, Conn. Shaded-pole synchronous electric motor. 2,382,333; Aug. 14.
Porete Manufacturing Company: *See*—
Cueni, Clemens P., assignor.
Porter, Frank, Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of phenols. 2,382,944; Aug. 14.
Porter, H. K., Inc.: *See*—
Geddes, J. W., and Porter, assignors.
Porter, Tyler: *See*—
Geddes, J. W., and Porter.
Pott, August F., Zella-Mehlis II, Germany; vested in the Alien Property Custodian. Calculating machine. 2,382,661; Aug. 14.
Powers, Marvin A., Oklahoma City, Okla., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Bending machine. 2,382,745; Aug. 14.
Powers Regulator Company, The: *See*—
Barnett, Harry, assignor.
Prance, Albert J., assignor to Murchey Machine & Tool Company, Detroit, Mich. Thread milling machine. 2,382,662; Aug. 14.
Pribyl, Edward: *See*—
Braker, W., and Pribyl.
Price, Charles S., Hollis, N. Y. Ornaments such as Christmas trees and manufacture. 2,382,746; Aug. 14.
Priessman, Neil Y., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor and making it. 2,382,024; Aug. 14.
Pringle, Edward T., Jr., Brooklyn, N. Y. Tool holder. 2,382,911; Aug. 14.
Process Management Company, Inc.: *See*—
Ruthruff, Robert F., assignor.
Proell, Wayne A., Chicago, Ill., and F. K. Ovitz, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrogen chloride-aluminum chloride hydrocarbon conversion processes. 2,382,814; Aug. 14.
Pullman Company, The: *See*—
Tully, J. K., Andersen, and Jones, assignors.
Purdy, Eugene H.: *See*—
Jakobsson, Gustav H., assignor.
Pure Oil Company, The: *See*—
Ayers, G. W., and Henderson, assignors.
Stucker, Joseph B., assignor.
Whittier, William A., assignor.
Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Selective control circuit. 2,382,097; Aug. 14.
Putman, Henry V., and J. K. Hodnette, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core structures for inductive apparatus. 2,382,172; Aug. 14.
Pyzel, Robert, New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Heat exchange apparatus. 2,382,255; Aug. 14.
Queirold, William, San Francisco, Calif. Condensation drain. 2,382,579; Aug. 14.
Quigley, Herbert, and H. Ter Meer, assignors to National Brass Company, Grand Rapids, Mich. Latch. 2,382,663; Aug. 14.
Quilter, John R. C., and J. Gregory, Woking, England. Aviator's garment. 2,382,816; Aug. 14.
Quinn, Archibald C.: *See*—
Ford, H., Ensign, and Quinn.
Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Optical adjustment. 2,382,580; Aug. 14.
Radio Corporation of America: *See*—
Bollinger, Waldon P., assignor.
Cockerell, Christopher S., assignor.
Donley, Hugh L., assignor.
Hansell, Clarence W., assignor.
Hollingsworth, "R." Lee, assignor.
Purington, Ellison S., assignor.
Roberts, Walter van B., assignor.
Schade, Otto H., assignor.
Usselman, G. L., assignor.
Radu, John W., assignor to H. Winston, Inc., New York, N. Y. Diamond cutting machine. 2,382,256; Aug. 14.
Ramsay, Albert, et al.: *See*—
Ramsay, Marcus, assignor.
Ramsay, Eric G., et al.: *See*—
Ramsay, Marcus, assignor.
Ramsay, Marcus, Great Neck, assignor of eighteen and three-fourths per cent to A. Ramsay, eighteen and three-fourths per cent to E. G. Ramsay, twenty-five per cent to H. D. Spencer, New York, N. Y., and eighteen and three-fourths per cent to W. F. Young, Eugene, Oreg. Manufacture of piezoelectric oscillator blanks. 2,382,257; Aug. 14.
Ratermann, Alfred C.: *See*—
Ryan, W., Jr., and Ratermann.
Ratio Structures, Inc.: *See*—
Wiener, Paul L., assignor.
Raven, Albert L., Mount Vernon, N. Y. Projection screen stand. 2,382,025; Aug. 14.
Ray, William A., Glendale, Calif. Control apparatus. 2,381,926; Aug. 14.
Ray, William A., Los Angeles, Calif. Electromagnetic operator. 2,382,664; Aug. 14.
Reeves, Howard F., Jr.: *See*—
Comstock, R. L., and Reeves, Jr.
Reichel, Maximilian K., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Intensification of the image of diazotype light sensitive layers on a transparent base. 2,381,984; Aug. 14.
Reid & Sigrist Limited: *See*—
Crew, David, assignor.
Reiss, Ernest H., Floral Park, N. Y. Protective means for aircraft. 2,382,817; Aug. 14.
Reliance Steel Products Company: *See*—
Guthrie, James M., assignor.
Nagin, Harry S., assignor.
Remington Rand Inc.: *See*—
Wolters, C. F., and Andersen, assignors.
Renouf, Ralph R., South Gate, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Standing valve puller. 2,382,173; Aug. 14.
Research Corporation: *See*—
Hedberg, C. W. J., and Richardson, assignors.
Kharasch, M. A., and Reynolds, assignors.
Milas, Nicholas A., assignor.
Resinous Products & Chemical Company, The: *See*—
Bruson, Herman A., assignor.
Reynolds, Peter W.: *See*—
Bremner, J. G. M., Reynolds, and Taylor.
Reynolds, William B.: *See*—
Kharasch, M. S., and Reynolds.

Reynolds, William B., Elmhurst, and S. A. Scully, Yonkers, assignors to Interchemical Corporation, New York, N. Y. Manufacture of phthalocyanine pigments. 2,382,441; Aug. 14.

Rhodes, Herbert D., and R. W. Watson, assignors to Standard Oil Company, Chicago, Ill. Corrosion prevention. 2,382,818; Aug. 14.

Rich, Paul J., and J. W. Griesinger, Dayton, Ohio. Bombing target. 2,382,442; Aug. 14.

Richards, John R., and C. W. Evert, assignors to Downing Box Company, Milwaukee, Wis. Container. 2,382,819; Aug. 14.

Richards, John W., Essexville, Mich. Waste pipe trap. 2,382,912; Aug. 14.

Richardson, Harry L.: *See*—
Hedberg, C. W. J., and Richardson.

Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Phonograph switch. 2,382,258; Aug. 14.

Riley, Ray, Moorestown, and F. C. Nachod, Mount Holly, N. J., assignors to The Permutit Company, New York, N. Y. Ion exchange products and their preparation. 2,382,334; Aug. 14.

Rinderknecht, Heinrich: *See*—
Bergel, F., Hindley, Morrison, and Rinderknecht.

Riopelle, Earl F.: *See*—
Sihvonen, K. E., and Riopelle.

Riopelle, Earl F., Detroit, and K. E. Sihvonen, Dearborn, assignors to General Motors Corporation, Detroit, Mich. Balancing machine. 2,382,665; Aug. 14.

Roberts, Vernon L., Chicago, Ill., assignor of one-half to R. H. Wann, Detroit, Mich. Turntable for phonographs and sound recorders. 2,381,927; Aug. 14.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated pulse signaling. 2,381,928; Aug. 14.

Robertshaw Thermostat Company: *See*—
Eskin, S. G., and Strobel, assignors.

Robie, Charles F., Alameda, assignor to Hawkins-Hawkins Co., San Francisco, Calif. Welding ring. 2,382,098; Aug. 14.

Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,381,985; Aug. 14.

Robinson, John E., Glen Ellyn, and F. H. Bopp and P. W. Millelot, Jr., Maywood, Ill., assignors to American Can Company, New York, N. Y. Composition for lining can ends. 2,382,443; Aug. 14.

Robinson, Manuel G., Swampscott, Mass., assignor to General Electric Company. Centrifugal compressor. 2,382,913; Aug. 14.

Roche, John F., Jr., River Forest, assignor to Binks Manufacturing Company, Chicago, Ill. Water curtain distributing means for spray booths. 2,382,026; Aug. 14.

Roche Products Limited: *See*—
Bergel, F., Hindley, Morrison, and Rinderknecht, assignors.

Rockwell, Edward A., West Hartford, assignor to The New Britain Machine Co., New Britain, Conn. Power unit apparatus. 2,382,444; Aug. 14.

Rode, Fredrich J., and M. R. Hatch, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Speed varying gear mechanism. 2,382,820; Aug. 14.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. New coloring matters. 2,382,914; Aug. 14.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of substituted pyrroles. 2,382,915; Aug. 14.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of pyrrole derivatives. 2,382,916; Aug. 14.

Rogers, Maurice A. T., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of new pyrrole derivatives. 2,382,917; Aug. 14.

Rohr, Fred H., San Diego, Calif. Rotary combustion engine. 2,382,259; Aug. 14.

Rohrig, Ignatius A., and N. A. Kerstein, Detroit, Mich. Manufacture of diamond tools. 2,382,666; Aug. 14.

Rohrmann, Charles A.: *See*—
Hurt, D. M., and Rohrmann.

Rolfson, Francis B.: *See*—
Penther, C. J., and Rolfson.

Rose, Edwin L., Woodbury, Conn. Power transmission. 2,382,027; Aug. 14.

Rosenthal, Nathan, Newton, Mass. Universal shoe fixture for orthopedic attachments. 2,382,821; Aug. 14.

Ross, William E., Oakland, and P. Pezzaglia, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Cycloparaffin production. 2,382,445; Aug. 14.

Ross, William E., Berkeley, and P. Pezzaglia, Oakland, assignors to Shell Development Company, San Francisco, Calif. Cycloparaffin production. 2,382,446; Aug. 14.

Rostone Corporation: *See*—
Jones, P. W., and Swezey, assignors.

Rothauser, Eugene, New York, N. Y. Diamond polishing and grinding device. 2,382,099; Aug. 14.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed esters. 2,381,881; Aug. 14.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins and coating compositions containing them. 2,381,884; Aug. 14.

Rott, Frank R., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Scale printing apparatus. 2,382,174; Aug. 14.

Rubin, Louis C.: *See*—
Solomon, E., Passino, and Rubin.

Rubissow, George A., New York, N. Y. Accelerator pedal device. 2,382,918; Aug. 14.

Ruhme, Carl P., Minneapolis, Minn. Ski. 2,382,335; Aug. 14.

Runciman, George: *See*—
Burke, J. R., Worthington, and Runciman.

Russell, George F.: *See*—
Mann, J. W., and Russell.

Rust, John B.: *See*—
Hessel, F. A., and Rust.

Ruszny ak, Geza G.: *See*—
Williams, F. A., and Ruszny ak.

Rutherford, John T.: *See*—
Farrington, B. B., Clayton, and Rutherford.

Ruthruff, Robert F., Chicago, Ill. Hydrocarbon conversion process. 2,382,100; Aug. 14.

Ruthruff, Robert F., Chicago, Ill., assignor to Process Management Company, Inc., New York, N. Y. Silica chromium oxide catalytic materials. 2,382,581; Aug. 14.

Ruthruff, Robert F., Chicago, Ill., assignor to Process Management Company, Inc., New York, N. Y. Hydrocarbon conversion with silica chromium oxide catalysts. 2,382,582; Aug. 14.

Ruys, Jan D., Pittsburg, and A. Wachter, assignors to Shell Development Company, San Francisco, Calif. Ferrous metal pickling bath and preparing same. 2,382,336; Aug. 14.

Ryan, John D.: *See*—
Erickson, A. M., and Ryan.

Ryan, William, Jr., University City, and A. C. Ratermann, St. Louis, Mo.: said Ratermann assignor to said Ryan, Jr. Refrigerating system for motor vehicles. 2,382,667; Aug. 14.

S. & Z. Manufacturing Company, Inc.: *See*—
Samuelson, O. H., and Zappia, assignors.

Saffady, Thomas F., Detroit, Mich. Electric iron. 2,382,101; Aug. 14.

St. Pierre, Eugene, Pawtucket, and J. Wawzonek, assignors to Hemphill Company, Central Falls, R. I. Adjustable carrier ring. 2,382,750; Aug. 14.

St. Pierre, Henry, Worcester, Mass. Detachable chain link. 2,382,344; Aug. 14.

St. Pierre, Henry, Worcester, Mass. Chain link blank and making chain links. 2,382,345; Aug. 14.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Sealing, crimping, and scoring rollers for packaging machines. 2,382,175; Aug. 14.

Salmon, Reginald D., Croydon, assignor to Creed and Company Limited, Croydon, Surrey, England. Shock-absorbing means especially suitable for use with type-wheels in printing apparatus. 2,382,668; Aug. 14.

Salstrom Carving Machine Company: *See*—
Salstrom, David B. and D. N., assignors.

Salstrom, David N.: *See*—
Salstrom, David B., and D. N.

Salstrom, David B. and D. N., assignors to Salstrom Carving Machine Company, Chicago, Ill. Gunstock forming machine. 2,382,102; Aug. 14.

Samuelson, Otto H., and A. T. Zappia, assignors to S. & Z. Manufacturing Company, Inc., Indianapolis, Ind. Container blowing and cooling apparatus. 2,382,028; Aug. 14.

Sand, Charles H., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,382,503; Aug. 14.

Sanders, George, Larne Harbour, Northern Ireland. Steam generator. 2,382,176; Aug. 14.

Sandman, Robert C., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Ink fountain and liner therefor. 2,382,103; Aug. 14.

Sarachek, Moe, Allentown, Pa., assignor to Charis Corporation. Lacing construction for garments. 2,382,104; Aug. 14.

Sargent, Albert A., Jr., Niagara Falls, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lock nut device. 2,381,936; Aug. 14.

Sargent & Company: *See*—
Papkin, David, assignor.

Sartori, William J., Brooklyn, N. Y. Esters of aleuritic acid. 2,382,919; Aug. 14.

Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Roto-thrust converter. 2,382,105; Aug. 14.

Sauer, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed esters. 2,381,885; Aug. 14.

Sauer, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed esters. 2,381,887; Aug. 14.

Sawyer, Charles B.: *See*—
Wellman, S. K., and Sawyer.

Schaad, Raymond E.: *See*—
Ipatieff, V. N., and Schaad.

Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of aromatic compounds. 2,382,260; Aug. 14.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode ray beam deflecting circuits. 2,382,822; Aug. 14.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Telephoto lens. 2,382,669; Aug. 14.

Schaefer, Charles F., Westport, Conn. Stencil coating machine. 2,382,920; Aug. 14.

Schaeufele, John G., Fort Knox, Ky. Track maintenance tool. 2,382,447; Aug. 14.

Schanz, George H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for making composite strips. 2,382,177; Aug. 14.

Scher, George, South Orange, N. J. Slide operated fastener. 2,382,261; Aug. 14.

Scherer, Lewis F., and J. A. South, Houston, Tex., assignors to The Texas Company, New York, N. Y. Treating pipe lines. 2,382,262; Aug. 14.

Schering Corporation: *See*—
Tschesche, Rudolf, assignor.

Scheyer, Emanuel, New York, N. Y. Structural section for flexible welded connections. 2,382,583; Aug. 14.

Scheyer, Emanuel, New York, N. Y. Flexible welded structural connection. 2,382,584; Aug. 14.

Schiemer, Charles J., Lancaster, assignor to Benner, Inc., Mountville, Pa. Latch device for floors of baby yards. 2,382,585; Aug. 14.

Schiller, Harold, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Bituminous protective compositions. 2,382,337; Aug. 14.

Schilling, Karl F., Lakeland, Fla., A. T. Cole, Cartersville, Ga., J. B. Duke, Mulberry, and W. M. Houston, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentrating ores. 2,382,178; Aug. 14.

Schimanek, Emil, Budapest, Hungary; vested in the Alien Property Custodian. Operation of internal-combustion engines with gas generators. 2,382,747; Aug. 14.

Schlumberger, Marcel, Saint Gaudens, Haute Garonne, France; vested in the Alien Property Custodian. Well conditioning apparatus. 2,381,929; Aug. 14.

Schmidt, Johannes: *See*—
Gosslau, F., Schmidt, and Zarnack.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure compounding system. 2,381,930; Aug. 14.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking system. 2,382,263; Aug. 14.

Schock, Gusmer & Co., Inc.: *See*—
Schock, R. C., assignor.

Schock, Robert C., New Rochelle, assignor to Schock, Gusmer & Co., Inc., Hoboken, N. J. Device for regulating the height of masher arms. 2,382,264; Aug. 14.

Schoenberg, Benjamin, Corona, N. Y. Switch operating device. 2,382,823; Aug. 14.

Schoenlaub, Robert A.: *See*—
Lee, H. C., Lee, and Schoenlaub.

Schoeppner Karl P., Milwaukee, Wis. Multiple bit toolholder. 2,382,106; Aug. 14.

Schröder, Ernst: *See*—
Elssner, G. and Schröder.

Schuck, Carl L., Philadelphia, Pa., assignor to General Electric Company. Electrical fuse device. 2,382,265; Aug. 14.

Schuh, Charles, Brooklyn, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Light-weight nonmetallic composition containing palmetto pith. 2,382,448; Aug. 14.

Schultz, Kristian, assignor to Armour and Company, Chicago, Ill. Method and apparatus for forming tubular casings. 2,382,504; Aug. 14.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Olefin recovery process. 2,382,505; Aug. 14.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Olefin recovery process. 2,382,506; Aug. 14.

Schutte, August H., Hastings-on-Hudson, assignor to The Lummus Company, New York, N. Y. Polyform conversion of hydrocarbons. 2,382,107; Aug. 14.

Schüttler, Paul, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Nut. 2,382,748; Aug. 14.

Schuylkill Chemical Company: *See*—
Mecca, Sebastian B., assignor.

Schwarzmayr, Ludwig, San Francisco, Calif. Reflector support. 2,382,179; Aug. 14.

Schweizerische Industrie-Gesellschaft: *See*—
End, G., assignor.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Marine turbine electric drive. 2,382,507; Aug. 14.

Scott, Frank, Rounds, British Columbia, Canada. Vehicle brake. 2,382,180; Aug. 14.

Scott, John H., Corpus Christi, Tex. Multiple drawing spacer. 2,382,029; Aug. 14.

Scott & Williams, Incorporated: *See*—
Grothey, Ivan W., assignor.

Scovill Manufacturing Company: *See*—
Seaver, D. A., and Fenton, assignors.

Scovill, Warner E.: *See*—
Hughes, E. C., and Scovill.

Scully, Sylvester A.: *See*—
Reynolds, W. B., and Scully.

Seaver, Donald A., West Cheshire, and P. E. Fenton, Middlebury, assignors to Scovill Manufacturing Company, Waterbury, Conn. Skin fastener. 2,382,508; Aug. 14.

Seavey, Frederick R., Alton, Ill., assignor to Olin Industries, Inc. Explosive. 2,382,921; Aug. 14.

Seeburg, J. P., Corporation: *See*—
Kenney, M. W., and Jensen, assignors.
Oyler, Herbert J., assignor.

Seeger Refrigerator Company: *See*—
Nobles, Warren H., assignor.

Seewer, Paul W., Rugby, assignor to The English Electric Company Limited, London, England. Automatic speed limiting device for hydraulic turbine rotors. 2,382,108; Aug. 14.

Seiberling Rubber Company: *See*—
Kovacs, Frank, assignor.

Seiter, Donaldson, assignor to Tungsten Carbide Tool Company, Detroit, Mich. Milling cutter. 2,382,509; Aug. 14.

Seiter, Donaldson, assignor to Tungsten Carbide Tool Company, Detroit, Mich. Boring tool. 2,382,510; Aug. 14.

Servel, Inc.: *See*—
Anderson, Philip P., Jr., assignor.

Seymour, Merrill W., and W. D. Peterson, assignors to Eastman Kodak Company, Rochester, N. Y. Motion picture sound record. 2,382,670; Aug. 14.

Seymour, Merrill W., and R. V. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Direct method of producing color pictures. 2,382,671; Aug. 14.

Shand & Jurs Company: *See*—
Blake, Robert W., assignor.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication apparatus. 2,381,986; Aug. 14.

Sheffele, Arthur L., assignor to W. J. Cameron, Chicago, Ill. Diagnostic and electrosurgical appliance. 2,382,109; Aug. 14.

Sheldrick, Laurence S., Dearborn, and E. J. Farkas and E. Nador, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Turret control. 2,382,110; Aug. 14.

Shell Development Company: *See*—
Penther, C. J., and Rolfson, assignors.
Ross, W. E., and Pezzaglia, assignors.
Ruys, J. D., and Wachter, assignors.
Treseder, Richard S., assignor.

Shepard, Arthur P., Forest Hills, and H. S. Ingham, Flushing, assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y. Metal spray gun of the wire feed type. 2,381,931; Aug. 14.

Shepard, Arthur P., Forest Hills, and H. S. Ingham, Flushing, assignors to Metallizing Engineering Company, Inc., Long Island City, N. Y. Speed governing mechanism for metal spray guns of the wire feed type. 2,381,932; Aug. 14.

Shepard, Arthur P., Flushing, and H. S. Ingham, Queens Village, assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y. Metal spray gun of the wire feed type. 2,382,111; Aug. 14.

Shimwell, Derrick W., Alderley Edge, England. Weft beat-up mechanism of looms for weaving. 2,382,511; Aug. 14.

Shobert, Erle I., II, assignor to Stackpole Carbon Company, St. Marys, Pa. Electric contacts. 2,382,338; Aug. 14.

Shoemaker, Bernard H., Whiting, Ind., and E. L. D'Ouville, assignors to Standard Oil Company, Chicago, Ill. Producing unsaturation in hydrocarbons. 2,381,987; Aug. 14.

Shook, Florain J., Akron, Ohio, assignor to National-Standard Company. Tire bead former. 2,382,672; Aug. 14.

Shook, H. G., Company, The: *See*—
Frankhouser, Albert G., assignor.

Shortell, William H., assignor to Millers Falls Company, Greenfield, Mass. Pressure indicator for hack saws. 2,381,988; Aug. 14.

Shure Brothers: *See*—
Bauer, Benjamin B.

Shure, Frances, et al., trustee: *See*—
Bauer, Benjamin B., assignor.

Shure, S. N., et al., trustee: *See*—
Bauer, Benjamin B., assignor.

Sievert, Roy E., Morris, Minn. Hand cultivator. 2,382,030; Aug. 14.

Signal Oil and Gas Company: *See*—
Young, Garth L., assignor.

Sihvonen, Kauno E.: *See*—
Riopelle, E. F., and Sihvonen.

Sihvonen, Kauno E., and E. F. Riopelle, assignors to General Motors Corporation, Detroit, Mich. Balancing machine. 2,382,673; Aug. 14.

Silex Company, The: *See*—
Wolcott, Frank E., assignor.
Simmonds Aerocessories, Inc.: *See*—
Chambers, J. C., and Allen, assignors.
Simmons, Lovel R., Jackson, Miss. Hauling unit. 2,382,449; Aug. 14.
Simon, Jake W., Topeka, Kans. Pipe thawing device. 2,382,512; Aug. 14.
Simonetti, Charles J., Brooklyn, N. Y. Sole compressor for shoes. 2,382,112; Aug. 14.
Simonsen, George N., Chicago, Ill. Gauge for pipe bending machines. 2,382,266; Aug. 14.
Singer, Henry, Honolulu, Territory of Hawaii. Amusement device. 2,382,513; Aug. 14.
Singleton, Henry M., Goose Creek, Tex., assignor to Standard Oil Development Company. Production of diolefins. 2,382,749; Aug. 14.
Sively, Milton A.: *See*—
Obenshain, N., and Sively.
Skinner, Ralph L.: *See*—
Widmann, Willi, assignor.
Skowron, Edmund A., Pittsburgh, and W. H. Woodings, Oakmont, Pa. Forging press. 2,382,339; Aug. 14.
Slansky, Cyril M., assignor to The Dow Chemical Company, Midland, Mich. Electrolytic production of magnesium. 2,382,450; Aug. 14.
Sloper, Joseph W., Crystal Lake, Ill. Planchette. 2,381,933; Aug. 14.
Smith, A. O., Corporation: *See*—
Koppel, Ernst R., assignor.
Smith, Anthony N., and D. V. Godfrey, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Toy projectile-shooting gun. 2,382,514; Aug. 14.
Smith, Graydon, Concord, assignor to Electricooker, Inc., Newburyport, Mass. Dispensing apparatus. 2,382,369; Aug. 14.
Smith, Holiday H., et al.: *See*—
Franklin, Ernest M., assignor.
Smith, John F. D., Swampscott, Mass., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle heating system. 2,382,340; Aug. 14.
Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutter. 2,382,113; Aug. 14.
Smith, Stephen, Jersey City, assignor to Air Reduction Company, Incorporated. Progressive surface hardening and tempering of metal. 2,382,515; Aug. 14.
Smyth, Harold T.: *See*—
Field, T. E., and Smyth.
Snell, Francis A., Binghamton, assignor to Change-A-Blade Corporation, New York, N. Y. Scissors. 2,382,341; Aug. 14.
Socony-Vacuum Oil Company, Incorporated: *See*—
Gorin, Everett, assignor.
Schiller, Harold, assignor.
Utterback, Ernest, assignor.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Ether of 2-methyl-2-hydroxy-butene-3. 2,382,031; Aug. 14.
Solomon, Ernest, Nutley, H. J. Passino, Jersey City, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Metal halide catalysts. 2,382,586; Aug. 14.
Solomon, Oscar A., North Tonawanda, N. Y. Airplane-helicopter. 2,382,824; Aug. 14.
Solvay Process Company, The: *See*—
Datin, Richard C., assignor.
Harman, Robert A., assignor.
Porter, Frank, assignor.
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Work supporting carriage. 2,382,825; Aug. 14.
Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Reciprocable carriage. 2,382,826; Aug. 14.
South, Joseph A.: *See*—
Scherer, L. F., and South.
Southern Wood Preserving Company: *See*—
Deiters, August M., assignor.
Spalding, A. G., & Bros. Inc.: *See*—
Tynan, James N., assignor.
Spangler, Lynwill K.: *See*—
Decker, F. A., Jr., and Spangler, assignors.
Spanogle, John A., Dayton, Ohio. Multiple-unit speed control. 2,381,934; Aug. 14.
Spaulding, Edwin B., Madison, Wis., assignor to Hercules Powder Company, Wilmington, Del. Chlorination of rubber. 2,382,342; Aug. 14.
Spencer, H. Dorsey, et al.: *See*—
Ramsay, Marcus, assignor.
Spillman, Gordon C., Roselle, N. J., assignor to Western Electric Company, Incorporated. Strand handling apparatus. 2,382,922; Aug. 14.
Sprague, Chester E. and N. M., Portland, Oreg. Reversing split-phase motor. 2,382,827; Aug. 14.
Sprague, Nelson M.: *See*—
Sprague, Chester E. and N. M.
Sprague, Philip T., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Liquid level follow-up device. 2,382,516; Aug. 14.
Squibb, E. R., & Sons: *See*—
Braker, W., and Pribyl, assignors.
Stackpole Carbon Company: *See*—
Shobert, Erle L., II, assignor.
Stacy, Robert G.: *See*—
Gaenssle, P. W., and Stacy.
Staley, A. E., Manufacturing Company: *See*—
Meyer, Walter G., assignor.
Stalker, Edward A., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Aircraft power plant. 2,382,343; Aug. 14.
Standard Brands Incorporated: *See*—
Baxter, Thomas R., assignor.
Braun, G., and Breivik, assignors.
Freilich, J., and Frey, assignors.
Standard Oil Company: *See*—
Proell, W. A., and Ovitz, assignors.
Rhodes, H. D., and Watson, assignors.
Shoemaker, B. H., and D'Ouville, assignors.
Sutton, M., and Nysewander, assignors.
Standard Oil Company, The: *See*—
Hughes, E. C., and Scovill, assignors.
Standard Oil Development Company: *See*—
Carlsmith, L. E., and Ogorzaly, assignors.
Darley, Ralph E., assignor.
Donlan, Theodore R., assignor.
Duncan, Gordon W., assignor.
Eby, Lawrence T., assignor.
Kollenberg, Conrad H., assignor.
Lieber, Eugene, assignor.
Singleton, Henry M., assignor.
Tyson, Charles W., assignor.
Standard Products Company, The: *See*—
Husted, Harry A., assignor.
Standard Railway Equipment Manufacturing Company: *See*—
Swann, James S., assignor.
Standard Register Company, The: *See*—
Metzner, Albert W., assignor.
Standard Telephones and Cables Limited: *See*—
Thornton, A. M., and Baly, assignors.
Staneslow, Bernard J., Niagara Falls, N. Y., assignor to Moore Business Forms, Inc. Safety record paper. 2,382,828; Aug. 14.
Stastney, Ladislav, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Core winding apparatus. 2,382,451; Aug. 14.
Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Making images on metal plates. 2,382,674; Aug. 14.
Staudinger, Hanns P., Ewell, K. H. W. Tuerck, Banstead, and E. H. Brittain, Epsom Downs, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Concentration of aqueous acetic acid. 2,382,181; Aug. 14.
Steel Heddle Manufacturing Company: *See*—
Kaufmann, John J., assignor.
Stellin, Domnic V., Bronx, N. Y. Interchangeable punch and die and retainer for same. 2,382,267; Aug. 14.
Stelnicki, John: *See*—
Hanak, Frank J., assignor.
Stelzer, William, East Orange, N. J. Hydraulic brake booster. 2,381,989; Aug. 14.
Stelzer, William, Detroit, Mich. Hydraulic brake. 2,382,268; Aug. 14.
Stephens, Leslie A., Hudson, and I. W. Lederer, Lakewood, Ohio. Recapping vehicle tires. 2,382,269; Aug. 14.
Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Hydraulic coupling. 2,382,114; Aug. 14.
Stern, Raphael L.: *See*—
Cairns, R. W., and Stern.
Stevens, Charles, Wellston, Ohio. Detecting structural flaws in sheet material. 2,381,990; Aug. 14.
Stevenson, Jordan & Harrison, Inc.: *See*—
Vang, Alfred, assignor.
Stone, Roslyn, and A. R. Levine, New York, N. Y. Nipple piercing needle for nurseries. 2,382,032; Aug. 14.
Strain, William H.: *See*—
Dickey, J. B., Towne, and Strain.
Strain, William H., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Producing morpholine compounds. 2,381,935; Aug. 14.
Straka, Frank M.: *See*—
Johnson, J. M., and Straka.
Stratford, William M., assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,382,270; Aug. 14.
Streater, Edward C., Spring Park, assignor to John Brayley, Minneapolis, Minn., as trustee. Toy excavator. 2,382,346; Aug. 14.
Streater, Edward C., Spring Park, assignor to John Brayley, Minneapolis, Minn., as trustee. Toy helicopter. 2,382,347; Aug. 14.
Strickhouser, Sherman I., Edgewood, and E. C. Uhlig, Greenwood, R. I., assignors to United States Rubber Company, New York, N. Y. Battery separator. 2,382,829; Aug. 14.
Strobel, Charles K.: *See*—
Eskin, S. G., and Strobel.
Strom, Leonard G.: *See*—
Leach, L. D., and Strom.
Strong, Judson, Great Neck, N. Y., assignor to The H. A. Wilson Company, Newark, N. J. Bimetallic actuator. 2,382,182; Aug. 14.

Stuart, Joseph, II: *See*—
Norman, G. M., and Stuart.
Stucker, Joseph B., Wilmington, Del., assignor to The Pure Oil Company, Chicago, Ill. Lubricant. 2,382,115; Aug. 14.
Stuhlman, Frank A., Forest Park, and A. W. Doderer, assignors to Borg-Warner Corporation, Chicago, Ill. Adjusting mechanism for rolling machines. 2,382,517; Aug. 14.
Suits, Chauncey G., Schenectady, N. Y., and G. F. Lincks, Pittsfield, Mass., assignor to General Electric Company. Current limiting fuse. 2,382,271; Aug. 14.
Sullivan, John D.: *See*—
Austin, C. R., and Sullivan.
Summers, J. Mills, Englewood, N. J., assignor, by mesne assignments, to Camloc Fastener Corporation, New York, N. Y. Fastener. 2,382,518; Aug. 14.
Sunbury, Herbert E., Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y. Ironing board cover. 2,382,830; Aug. 14.
Supple, Gilbert, Waban, Mass. Boots and shoes and outsoles therefor. 2,381,937; Aug. 14.
Supplee, George C., O. G. Jensen, and G. E. Flanigan, Bainbridge, assignors to The Borden Company, New York, N. Y. Liquid treating method. 2,382,033; Aug. 14.
Sutherland, Edwin M., East Cleveland, and C. H. Endress, Cleveland Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Storing and filling batteries. 2,382,675; Aug. 14.
Sutherland Paper Company: *See*—
Buttery, Kenneth T., assignor.
Sutton, Mack, Hammond, and C. W. Nysewander, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,382,815; Aug. 14.
Svenson, Ernest J., Rockford, assignor, by mesne assignments, to Odin Corporation, Chicago, Ill. Fluid pumping mechanism. 2,382,452; Aug. 14.
Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car wall. 2,382,519; Aug. 14.
Swartz, William L., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Revolver crane lock. 2,382,676; Aug. 14.
Swezey, John W.: *See*—
Jones, P. W., and Swezey.
Sylvania Electric Products Inc.: *See*—
McCarthy, Henry J., assignor.
Symons, William J., Van Nuys, Calif. Propeller pitch control. 2,381,991; Aug. 14.
Szalay, Ferenc, Budapest, Hungary; vested in the Alien Property Custodian. Current collector for electric vehicles. 2,382,751; Aug. 14.
Tabellione, Michael, Meriden, Conn. Wrecking bar. 2,382,831; Aug. 14.
Tambini, Eugene, Milford, Conn. Shoe. 2,382,272; Aug. 14.
Taylor, Arthur W. C.: *See*—
Bremner, J. G. M., Reynolds, and Taylor.
Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Suction cleaning apparatus. 2,382,348; Aug. 14.
Taylor, Clarence G., Alliance, Ohio. Making self-aligning bearings. 2,382,349; Aug. 14.
Taylor, Clyde B.: *See*—
Allen, F. M., and Taylor.
Taylor, Harold: *See*—
Dawson, E. L., and Taylor.
Technical Oil Tool Corporation, Ltd., et al.: *See*—
Dale, Clarence R., assignor.
Technicolor Motion Picture Corporation: *See*—
Rackett, Gerald F., assignor.
Teletype Corporation: *See*—
Goetz, Maurus T., assignor.
Zenner, Walter J., assignor.
Tenney, William G., Chicago, Ill. Battery terminal. 2,381,938; Aug. 14.
Ter Meer, Herman: *See*—
Quigley, H., and Ter Meer.
Terry, Robert H.: *See*—
Boegehold, A. L., and Terry.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Cigarette dispenser. 2,382,350; Aug. 14.
Texas Company, The: *See*—
Arnold, George B., assignor.
Hare, Donald G. C., assignor.
Scherer, L. F., and South, assignors.
Stratford, William M., assignor.
Warrick, Halsted R., assignor.
Wolf, A., and Herzog, assignors.
Texas Gulf Sulphur Company: *See*—
Bencowitz, Isaac, assignor.
Thames Board Mills Limited: *See*—
Brammer, F. C., and West, assignors.
Thaxton, Green O., Washington, D. C. Dining table. 2,382,183; Aug. 14.
Thew Shovel Company, The: *See*—
Zeilman, Roy H., assignor.
Thiele, Berthold R.: *See*—
Wagner, R. S., and Thiele, assignors.
Thielemann, Rudolf H., Portland, Oreg., assignor to General Electric Company. Copper bearing stainless steel. 2,382,273; Aug. 14.
Thomas, Albert G., Lynchburg, Va. Electric iron. 2,382,587; Aug. 14.
Thomas, George N., Mankato, Minn. Leader control for fish lines. 2,382,677; Aug. 14.
Thomas, Mildred: *See*—
Yates, J. H., and Thomas.
Thomas, William D., Jr.: *See*—
Cook, E. W., and Thomas.
Thompson, Joseph J.: *See*—
Lindow, Carl W., and Thompson.
Thompson, Kenneth M., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Resinous materials and production thereof. 2,382,184; Aug. 14.
Thompson, Robert M., Seattle, Wash. Continuous pressure separating device. 2,382,453; Aug. 14.
Thoresen, Einar, Pittsburgh, and W. H. Marsh, Crafton, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Predetermining dispensing apparatus. 2,382,454; Aug. 14.
Thornton, Alfred M., and W. F. Baly, assignors to Standard Telephones and Cables Limited, London, England. Gain control circuits for carrier systems. 2,382,588; Aug. 14.
Thornton, Charles W., Framingham, Mass. Signal device for vehicles. 2,382,832; Aug. 14.
Thorpe, Jack B., Long Beach, Calif. Extensometer. 2,382,351; Aug. 14.
Tiede, Arthur J., assignor to G. C. Bear, Detroit, Mich. Producing a dispersive agent. 2,381,939; Aug. 14.
Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Precision timer. 2,382,833; Aug. 14.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,382,520; Aug. 14.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,382,521; Aug. 14.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,382,678; Aug. 14.
Tinnerman Products, Inc.: *See*—
Tinnerman, George A., assignor.
Tollman, Jerry J., Chicago, Ill. Hinge joint for artificial limbs. 2,382,679; Aug. 14.
Tomkinson, Henry L., Sayreville, N. J., assignor to Hercules Powder Company, Wilmington, Del. Chlorinating rubber. 2,382,353; Aug. 14.
Torrington Manufacturing Company, The: *See*—
Williams, Edmond B., assignor.
Tóth, Sándor, Budafok, near Budapest, Hungary; vested in the Alien Property Custodian. Recording scale. 2,382,752; Aug. 14.
Touceda, Enrique G., and R. P. De Vries, Albany, N. Y., assignors to Allegheny Ludlum Steel Corporation. Beryllium cobalt alloy steels and articles of manufacture produced therefrom. 2,382,680; Aug. 14.
Towne, Edmund B.: *See*—
Dickey, J. B., Towne, and Strain.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Glycol esters of phenylphosphonic acid. 2,382,622; Aug. 14.
Trafton, Warren L., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener device for electrical conductors. 2,382,945; Aug. 14.
Trailer Company of America, The: *See*—
Black, James J., assignor.
Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 2,382,923; Aug. 14.
Trencham, Henry, Ruislip, England, assignor to General Electric Company. Gas blast electric circuit breaker. 2,382,274; Aug. 14.
Treseder, Richard S., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversions. 2,382,753; Aug. 14.
Trevaskis, Henry, Solihull, assignor to Dunlop Rubber Company Limited, London County, England. Method and apparatus for controlling the operation of automatic mechanism such as automatic guns. 2,382,352; Aug. 14.
Trevisan, Italo R., Newark, N. J. Wheel assembly. 2,382,589; Aug. 14.
Trico Products Corporation: *See*—
Horton, Erwin C., assignor.
Trier, Vernon A., London, England. Liquid atomizer and diffuser. 2,382,681; Aug. 14.
Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Ordnance. 2,382,522; Aug. 14.
Tschesche, Rudolph, Berlin-Wilmersdorf, Germany, assignor to Schering Corporation, Bloomfield, N. J. Sulphones of the aromatic series and making the same. 2,382,924; Aug. 14.
Tuerck, Karl H. W.: *See*—
Staudinger, H. P., Tuerck, and Brittain.
Tully, James K., Evanston, L. Andersen, Chicago, and B. E. Jones, Flossmoor, assignors to The Pullman Company, Chicago, Ill. Railway car ladder. 2,382,370; Aug. 14.

Tungsten Carbide Tool Company: *See*—
Seiter, Donaldson, assignor.
Turechek, George F., assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,382,455; Aug. 14.
Turnbaugh, Elbert L., San Francisco, assignor to Percentograph Inc., Carmel, Calif. Date finder unit. 2,382,754; Aug. 14.
Turner Brothers Asbestos Company Limited: *See*—
Dawson, E. L., and Taylor, assignors.
Twemlow, Edwin: *See*—
Edge, S. H., and Twemlow.
Tyler, W. S., Company, The: *See*—
Parks, W. J., assignor.
Tynan, James N., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Laminated tubing. 2,382,834; Aug. 14.
Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Catalytic conversion of hydrocarbon oils. 2,382,755; Aug. 14.
Uhlig, Edwin C.: *See*—
Strickhouser, S. I., and Uhlig.
Ulrich, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous condensation products of alkylene imines. 2,382,185; Aug. 14.
Underwood Corporation: *See*—
Anderson, Walter A., assignor.
Underwood, James W.: *See*—
D'Alelio, G. F., and Underwood.
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Punch. 2,382,523; Aug. 14.
Union Oil Company of California: *See*—
Cook, James F., assignor.
Union Switch and Signal Company, The: *See*—
Culbertson, George A., assignor.
United-Carr Fastener Corporation: *See*—
Bedford, William A., Jr., assignor.
Murphy, Howard J., assignor.
Sargent, Albert A., Jr., assignor.
Trafton, Warren L., assignor.
United Gas Improvement Company, The: *See*—
Soday, Frank J., assignor.
United-Rexall Drug Company: *See*—
Cordero, Tulio, assignor.
United Shoe Machinery Corporation: *See*—
Fernald, Mark E., assignor.
Robinson, Charles A., assignor.
U. S. Automatic Corporation: *See*—
Nord, Eric T., assignor.
United States Envelope Company: *See*—
Gordon, Harry W., assignor.
United States Rubber Company: *See*—
Armstrong, Robert T., assignor.
Emery, Albert C., assignor.
Howland, Louis H., assignor.
Messer, William E., assignor.
Paul, Philip T., assignor.
Strickhouser, S. I., and Uhlig, assignors.
Sunbury, Herbert E., assignor.
Universal Oil Products Company: *See*—
Gerhold, Clarence G., assignor.
Ipatieff, V. N., and Pines, assignors.
Ipatieff, V. N., and Schaad, assignors.
Lee, Edward C., assignor.
Newman, Robert J., assignor.
Pinkston, John T., Jr., assignor.
Pyzel, Robert, assignor.
Schaad, Raymond E., assignor.
Universal Paper Products Company: *See*—
Amberg, Walter E., assignor.
University of Minnesota, Regents of the: *See*—
Gisvold, Ole, assignor.
Urbain, Leon F., Chicago, Ill. Wall or ceiling covering. 2,382,456; Aug. 14.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,382,590; Aug. 14.
Utterback, Ernest, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion process. 2,382,371; Aug. 14.
Valenti, Ernest, Brooklyn, N. Y. Toy. 2,382,186; Aug. 14.
Van Dellen, Edward, and R. N. Ball, Visalia, Calif. Food product. 2,382,682; Aug. 14.
Vang, Alfred, Summit, N. J., assignor of one-half to Stevenson, Jordan & Harrison, Inc., New York, N. Y. Apparatus for treating glass. 2,382,187; Aug. 14.
Van Ham, Ernest E., Somerville, Mass., assignor, by mesne assignments, to Ferguson Gage & Valve Co. Liquid level gauge. 2,382,946; Aug. 14.
Van Lin, Oswaldus A. J., Venlo, and J. Hoekstra, Eindhoven, Netherlands; vested in the Alien Property Custodian. Insulated electric conductor. 2,382,275; Aug. 14.
Vapor Car Heating Company, Inc.: *See*—
Lehane, T. J., and Burgess, assignors.
Veatch, Charles E.: *See*—
Buck, L. J., and Veatch.
Veeder-Root Incorporated: *See*—
Graydon, S., Jr., and Bliss, assignors.
Viber Company: *See*—
Pierce, Charles W., assignor.
Victor, Alexander F., New York, N. Y. Mounting for motion picture and sound projectors. 2,382,116; Aug. 14.
Victor Chemical Works: *See*—
Toy, Arthur D. F., assignor.
Vigborg, Karl M.: *See*—
Dahlberg, T. O. R., and Vigborg.
Vincent, George P., Briarcliff Manor, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Oxidation of vat and sulphur dyes. 2,382,188; Aug. 14.
Virginia Smelting Company: *See*—
Channon, Hiram B., assignor.
Vollrath, Joseph P., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,381,992; Aug. 14.
Wachter, Aaron: *See*—
Ruys, J. D., and Wachter.
Wadman, Walter V., and L. D. Butcher, assignors to Eastman Kodak Company. Rochester, N. Y. Concentrated selenium toner and making. 2,382,683; Aug. 14.
Wagner, E. R., Manufacturing Company: *See*—
Wagner, R. S., and Thiele, assignors.
Wagner Electric Corporation: *See*—
Schnell, Steve, assignor.
Whitacre, Clarence J., assignor.
Wagner, Robert S., and R. R. Thiele, assignors to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Hasp lock. 2,382,756; Aug. 14.
Wahl, Milton H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of nitric oxide. 2,382,189; Aug. 14.
Waibel, Wilhelm: *See*—
Korte, H., Waibel, and Metzger.
Waldes Koh-I-Noor, Inc.: *See*—
Brozek, Lawrence, assignor.
Wales, George F., Kenmore, N. Y. Perforating apparatus and work placing device for same. 2,382,190; Aug. 14.
Wales, Nathaniel B., assignor to Norman Bel Geddes, doing business as Norman Bel Geddes and Company, New York, N. Y. Wall cabinet. 2,382,354; Aug. 14.
Walker, Herbert W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubberlike polymeric materials and producing the same. 2,382,684; Aug. 14.
Walker, Kenneth E.: *See*—
Woodhouse, J. C., and Walker.
Wallace, Marcel, New York, N. Y., and H. G. Miller, Belleville, N. J., assignors, by mesne assignments, to said Wallace, doing business as Panoramic Laboratories, New York, N. Y. Method and apparatus for simultaneous aural and panoramic radio reception. 2,381,940; Aug. 14.
Wallace & Tiernan Products, Inc.: *See*—
Marks, Henry C., assignor.
Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,382,372; Aug. 14.
Walter, Maurice, Atlantic Beach, N. Y. Transportable gun mount. 2,382,836; Aug. 14.
Wann, Richard H.: *See*—
Roberts, Vernon L., assignor.
Warlick, Frank: *See*—
Wertman, D., and Warlick.
Warren, Charles W.: *See*—
Landay, H. J., and Warren.
Warren, Charles W., North Plainfield, N. J. Variable arc rotary actuator. 2,382,925; Aug. 14.
Warren, Richard F., Jr., Stratford, Conn. Luminous rope. 2,382,355; Aug. 14.
Warren, Wallace H., Gering, Nebr. Compressed air operated rotary tool. 2,382,591; Aug. 14.
Warrick, Earl L.: *See*—
McGregor, R. R., and Warrick.
Warrick, Halsted R., Teaneck, N. J., assignor to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,382,117; Aug. 14.
Washburn, Edward N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rotary jet gun. 2,382,685; Aug. 14.
Watson, Roger W.: *See*—
Rhodes, H. D., and Watson.
Watt, George W., Austin, Tex., assignor to Wingfoot Corporation, Akron, Ohio. Accelerators. 2,382,524; Aug. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Applying metallic skins to metallic structures. 2,382,356; Aug. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Metallic skin-covered structure. 2,382,357; Aug. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Stressed skin airfoil joint. 2,382,358; Aug. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Load-carrying member. 2,382,835; Aug. 14.
Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft structure. 2,382,950; Aug. 14.
Wawzonek, Joseph: *See*—
St. Pierre, E., and Wawzonek.

Wawzonek, Joseph, assignor to Hemphill Company, Central Falls, R. I. Pattern drum operating mechanism. 2,382,757; Aug. 14.
Weaver, Allan: *See*—
Parker, R. D., and Weaver.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford. Magazine for automatic firearms. 2,382,926; Aug. 14.
Webb, Samuel: *See*—
Nesbitt, A. B., and Webb.
Weber, John A., assignor to J. T. Anderson, Portland, Oreg. Log turner. 2,382,837; Aug. 14.
Weber, Karl H., assignor to Armstrong Cork Company, Lancaster, Pa. Making polyethylene amine derivatives of fossil resins and product produced thereby. 2,382,838; Aug. 14.
Weeks, Wesley D., and L. Kube, Phillips, Tex.; said Kube assignor to said Weeks. Engineer architect scale. 2,382,758; Class 14.
Weichselbaum, Walter W., Gemmell, Minn. Dispensing device. 2,382,191; Aug. 14.
Weightman, William A., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Apparatus for applying bands to tubular articles. 2,382,359; Aug. 14.
Weinberger, Jan V., Truro, Nova Scotia, Canada. Anti-tank ammunition. 2,382,118; Aug. 14.
Weiner, Nathan, West Forest Hills, assignor to Bonneville, Limited, New York, N. Y. Flotation process. 2,382,360; Aug. 14.
Weinreb, Falk, London, England. Internal-combustion engine. 2,382,362; Aug. 14.
Weiss, Ernst: *See*—
Heberlein, G., and Weiss.
Weiss, Ugo, Milan, and D. Leone, Turin, Italy; vested in the Alien Property Custodian. Micrometer gauge. 2,382,759; Aug. 14.
Weissenburger, Helmut: *See*—
Laufenberg, W., Maslanka, and Weissenburger.
Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Extraction of hydrocarbons. 2,382,119; Aug. 14.
Wellington, Fred G., assignor to P. Wickstrom, Seattle, Wash. Leveling system. 2,382,525; Aug. 14.
Wellman, S. K., Company, The: *See*—
Wellman, S. K., and Sawyer, assignors.
Wellman, Samuel K., and C. B. Sawyer, Cleveland Heights, assignors to The S. K. Wellman Company, Cleveland, Ohio. Frictional apparatus. 2,381,941; Aug. 14.
Wells, Martin, Los Angeles, Calif. Female urinal. 2,382,276; Aug. 14.
Wemp, Ernest E., Detroit, Mich. Power transmitting apparatus. 2,382,034; Aug. 14.
Wenner, Wilhelm, Montclair, assignor to Hoffman-La Roche, Inc., Nutley, N. J. Making 4-methyl phenyl acetone. 2,382,686; Aug. 14.
Wertman, David, and F. Warlick, Washington, D. C. Cradle operating cylinder. 2,382,457; Aug. 14.
West, William C. H.: *See*—
Brammer, F. C., and West.
Western Electric Company, Incorporated: *See*—
Baker, Burton E., assignor.
Brunner, Anton J., assignor.
Burbank, W. E., and Mitchell, assignors.
Decker, J. A., and Wilkes, assignors.
Hoff, Wilbur L., assignor.
Kivley, R. C., and Pearson, assignors.
McGuinness, Edward J., assignor.
Muller, John T., assignor.
Pash, Robert, assignor.
Rott, Frank R., assignor.
Spillman, Gordon C., assignor.
Stastney, Ladislav, assignor.
Western Precipitation Corporation: *See*—
Chittum, Joseph F., assignor.
Westinghouse Electric Corporation: *See*—
Chapman, Stuart H., assignor.
Harris, Walter R., assignor.
Marcy, Gerald P., assignor.
Penney, G. W., and Nielsen, assignors.
Putman, H. V., and Hodnette, assignors.
Schwendner, Anthony F., assignor.
Taylor, Charles H., assignor.
Weston Electrical Instrument Corporation: *See*—
Fogle, Marlin E., assignor.
West Virginia Pulp and Paper Company: *See*—
Obenshain, N., and Sively, assignors.
Wheaton Brass Works: *See*—
Krone, H. C., and Meyer, assignors.
Whipple, Willis Z., assignor to Chicago Eye Shield Company, Chicago, Ill. Respirator locking means. 2,382,592; Aug. 14.
Whitacre, Clarence J., assignor to Wagner Electric Corporation, St. Louis, Mo. Dual brake. 2,382,927; Aug. 14.
White, Ben E.: *See*—
Calvert, W. R., and White.
White, Charles H., assignor to Commer Cars Limited, Luton, England. Brake mechanism. 2,382,192; Aug. 14.
White, Francis J., Brooklyn, N. Y., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,382,120; Aug. 14.
White, Percy, assignor to The Automotive Engineering Company Limited, Twickenham, England. Fluid motor. 2,382,526; Aug. 14.
Whitesell, John C., Jr., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Munitions. 2,382,277; Aug. 14.
Whitin Machine Works: *See*—
Dunleavy, William J., assignor.
Helland, Sigurd H., assignor.
Whitmoyer, Clarence W., and W. J. Moore, assignors to Whitmoyer Laboratories, Inc., Myerstown, Pa. Stabilization of iodine in animal and poultry feeds. 2,382,193; Aug. 14.
Whitmoyer Laboratories, Inc.: *See*—
Whitmoyer, C. W., and Moore, assignors.
Whitney, Lewis A., Stratford, and A. C. Kidder, Bridgeport, Conn. Thermal motor. 2,382,928; Aug. 14.
Whittier, William A., Glenview, assignor to The Pure Oil Company, Chicago, Ill. Lubricant and preparing same. 2,382,121; Aug. 14.
Wickstrom, Paul: *See*—
Wellington, Fred G., assignor.
Wickwire, Arthur M., Jr., Mountain Lakes, N. J., assignor to Interchemical Corporation, New York, N. Y. Apparatus for smoothing thermoplastic coating materials. 2,381,942; Aug. 14.
Widmann, Willi, assignor to R. L. Skinner, Detroit, Mich. Filter. 2,382,278; Aug. 14.
Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Apparatus for the electrostatic separation of material particles. 2,382,122; Aug. 14.
Wiener, Paul L., assignor to Ratio Structures, Inc., New York, N. Y. Building structure. 2,382,361; Aug. 14.
Wiggermann, Georg, Gladbach-Rheydt, Germany; vested in the Alien Property Custodian. Warping machine. 2,382,760; Aug. 14.
Wilcox, Isaac L., and R. Horning, assignors to Oswego Falls Corporation, Fulton, N. Y. Container. 2,382,035; Aug. 14.
Wilkes, Donald P.: *See*—
Decker, J. A., and Wilkes.
Wilks, John R., assignor to The American Rolling Mill Company, Middletown, Ohio. Bridge decking and the like. 2,382,761; Aug. 14.
Willard Storage Battery Company: *See*—
Fairclough, Edward, assignor.
Sutherland, E. M., and Endress, assignors.
Williams, Edmond B., Litchfield, assignor to The Torrington Manufacturing Company, Torrington, Conn. High-pressure blower. 2,382,687; Aug. 14.
Williams, Francis A., and G. G. Rusznyak, Toronto, Ontario, Canada. Apparatus and method for molding concrete blocks. 2,382,458; Aug. 14.
Williams, Russell J., Manhassett Village, assignor to Bemis Bro. Bag Company, St. Louis. Web pasting apparatus. 2,382,929; Aug. 14.
Williams, Russell J., Manhassett Village, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Laminating apparatus. 2,382,930; Aug. 14.
Williams, William C., Santa Monica, Calif. Drill jig. 2,381,943; Aug. 14.
Wilson, H. A., Company, The: *See*—
Strong, Judson, assignor.
Wilson-Jones Company: *See*—
Unger, Paul O., assignor.
Wilson, Melville M., and W. E. Berry, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y. Wood finishing system. 2,381,944; Aug. 14.
Wilson, Raymond W., Glendale, Calif. Jet nozzle. 2,382,688; Aug. 14.
Wingfoot Corporation: *See*—
D'Ianni, James D., assignor.
Kilborn, Karl B., assignor.
Watt, George W., assignor.
Winston, Harry, Inc.: *See*—
Radu, John W., assignor.
Wintle, Thomas D. G.: *See*—
McLoughlin, H. F., Hill, Morgan, and Wintle.
Wires, Frank J., New Orleans, La. Marine torpedo. 2,382,593; Aug. 14.
Wirz, Albert, Basle, Switzerland. Door lock. 2,382,762; Aug. 14.
Wolcott, Frank E., West Hartford, assignor to The Silex Company, Hartford, Conn. Coffee maker and filter therefor. 2,382,594; Aug. 14.
Wolf, Alexander, and G. Herzog, Houston, Tex., assignors to The Texas Company. New York, N. Y. Device for recovering a radiation source. 2,382,279; Aug. 14.
Wolf, Jacques, & Company: *See*—
Blihovde, Norman, assignor.
Wollin, Inc.: *See*—
Wollin, Robert H., assignor.
Wollin, Robert H., assignor to Wollin, Inc., Milwaukee, Wis. Trouser hanger. 2,382,459; Aug. 14.
Wolters, Carl F., and N. Y. Andersen, Kenmore, assignors to Remington Rand Inc., Buffalo, N. Y. Drawer guide. 2,382,363; Aug. 14.
Wood, Conrad, El Dorado, Ark., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fish lure. 2,382,595; Aug. 14.
Wood, Galen, assignor to Wood Treating Chemicals Company, St. Louis, Mo. Wood impregnation. 2,382,374; Aug. 14.

Wood, Margaret I.: *See*—
Inman, Walter V., assignor.
Wood, Oliver W., Rahway, assignor to M. C. Hoy and C. I. Knecht, copartners doing business as The Plating Products Co., Newark, N. J. Conveying apparatus. 2,382,194; Aug. 14.
Wood Treating Chemicals Company: *See*—
Wood, Galen, assignor.
Woodbury, Clifford A.: *See*—
Chambers, F. S., Jr., and Woodbury.
Woodhouse, John C., Craginere, and K. E. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluids. 2,382,931; Aug. 14.
Woodings, Wilbert H.: *See*—
Skowron, E. A., and Woodings.
Worthington, Harold L.: *See*—
Burke, J. R., Worthington, and Runciman.
Wortman, O. W.: *See*—
Sarver, Emmett F., assignor.
Wright Aeronautical Corporation: *See*—
Lundquist, W. G., and Olson, assignors.
Wuensch, Charles E., Saratoga, Calif. Centrifugal pump. 2,382,839; Aug. 14.
Yale & Towne Manufacturing Company, The: *See*—
Carliss, Oswald S., assignor.
Yant, William P., Murraysville, assignor of one-half to Mine Safety Appliances Company, Pittsburgh, Pa., and one-half to Rudolph Fink, Dayton, Ohio. Facepiece. 2,382,364; Aug. 14.
Yates, James H. and M. Thomas, Danville, R. I. Chopper or blocker apparatus. 2,382,689; Aug. 14.
Young, Arthur M., Paoli, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft. 2,382,460; Aug. 14.
Young, Chesley S.: *See*—
Young, H. H. and C. S., and Bradford.
Young, Edgar C., assignor of one-fourth to I. Hertz, one-fourth to N. Nagel, Long Beach, and one-fourth to H. A. Huebner, Los Angeles, Calif. Welding rod container. 2,382,932; Aug. 14.
Young, Garth L., assignor to Signal Oil and Gas Company, Los Angeles, Calif. Submarine foundation. 2,382,763; Aug. 14.
Young, Harland H. and C. S., and P. Bradford, assignors to Industrial Patents Corporation, Chicago, Ill. Recovery of poly-glyceral resin. 2,382,764; Aug. 14.
Young, Richard V.: *See*—
Seymour, M. W., and Young.
Young, W. Ford, et al.: *See*—
Ramsay, Marcus, assignor.
Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Color reproduction. 2,382,690; Aug. 14.
Zahodiakin, Victor F., Short Hills, N. J. Control mechanism. 2,382,765; Aug. 14.
Zahodiakin, Victor F., Short Hills, N. J. Control mechanism. 2,382,766; Aug. 14.
Zappia, Anthony T.: *See*—
Samuelson, O. H., and Zappia.
Zarnack, Werner: *See*—
Gosslau, F., Schmidt, and Zarnack.
Zeilman, Roy H., assignor to The Thew Shovel Company, Lorain, Ohio. Boom for load handling machines. 2,382,767; Aug. 14.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Mechanical extensor. 2,382596; Aug. 14.
Zienty, Ferdinand B.: *See*—
Kyrides, L. P., and Zienty.
Zoll, Carl M., Metairie, La., assignor to Marine Salvage & Equipment, Inc., Baltimore, Md. Self-adjusting hoisting means for sunken ships. 2,382,840; Aug. 14.
Zublin, John A., Los Angeles, Calif. Drilling holes. 2,382,933; Aug. 14.
Zweers, Bernardus H. H., Naarden, Netherlands; vested in the Alien Property Custodian. Lowering a construction with a comparatively large base into the soil. 2,382,768; Aug. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Garment, Maternity. R. M. Mahoney. Re. 22,665; Aug. 14.
Railway crossing. J. V. Houston and B. R. Habel. Re. 22,663; Aug. 14.
Refrigeration. H. M. Ullstrand. Re. 22,664; Aug. 14.
Seal, Fluid. R. D. Snyder. Re. 22,666; Aug. 14.

LIST OF DESIGN INVENTIONS

Aerovelocipede, Child's. J. F. Jones. 142,089; Aug. 14.
Apparatus for hardening metal pieces, Heat treating. T. A. Waltz. 142,148; Aug. 14.
Arm, Phonograph pickup. L. J. Wronke. 142,052; Aug. 14.
Attachment for live booms, Scraper. K. J. Kennedy. 142,093; Aug. 14.
Automobile. W. S. Hewson. 142,030; Aug. 14.
Bank, Coin. R. V. Moran. 142,106; Aug. 14.
Bath and dressing stand, Combination baby. K. H. Morrey. 142,107; Aug. 14.
Billfold and change purse, Combined flexible. R. Gerth. 142,150; Aug. 14.
Board and periodical support, Combined game. J. G. Rolley. 142,123; Aug. 14.
Board, Game. S. G. O'Leary. 142,112; Aug. 14.
Board, Game. J. G. Rolley. 142,122; Aug. 14.
Board, Game. H. C. Perrin. 142,194; Aug. 14.
Body, Locomotive. J. Markestein. 142,096–104; Aug. 14.
Boot, Infant's. B. L. Veach. 142,157; Aug. 14.
Box. E. Coleman. 142,179–81; Aug. 14.
Box or article of similar nature, Cigarette. C. L. Fordyce. 142,182; Aug. 14.
Box or similar article. B. Lamotte. 142,095; Aug. 14.
Brooch or similar article. A. M. Johnson. 142,077–86; Aug. 14.
Brooch or similar article. A. Katz. 142,183–90; Aug. 14.
Brooch or similar article. A. Katz. 142,201; Aug. 14.
Brooch or similar article of jewelry. M. Tanzi. 142,045; Aug. 14.
Brush, Finger nail lacquer polishing. J. Freeman. 142,138; Aug. 14.
Cabinet, Combination radio-phonograph. C. E. Grube. 142,139; Aug. 14.
Cabinet, Display. D. T. Waddell. 142,049; Aug. 14.
Cabinet, Radio. C. A. Peterson. 142,155; Aug. 14.
Cabinet, Radio receiver. C. E. Grube. 142,140–2; Aug. 14.
Cabinet, Radio receiver. H. Terrell. 142,156; Aug. 14.
Cabinet, Radio receiver. H. Terrell. 142,207; Aug. 14.
Cap. M. A. Pannenberg. 142,162; Aug. 14.
Case, Merchandise display. H. P. Glass. 142,027–9; Aug. 14.
Case or similar article, Cigarette. H. Morris. 142,108; Aug. 14.
Case, Self-service display. C. F. Hoffman. 142,073; Aug. 14.
Casing, Bread toaster. J. Pavelka. 142,146; Aug. 14.
Casing for a calculating device. A. M. Swasey. 142,044; Aug. 14.
Chair, Rocking. F. McK. Kirkpatrick. 142,094; Aug. 14.
Chuck, Fluid pressure operated. E. A. F. Redmer. 142,120; Aug. 14.
Cleaner, Vacuum. O. W. Timm. 142,198; Aug. 14.
Clip or similar article. J. Arpels. 142,010; Aug. 14.
Clip or similar article. A. M. Johnson. 142,087–8; Aug. 14.
Clip or similar article. A. Katz. 142,191–2; Aug. 14.
Clip or similar article. A. Katz. 142,200; Aug. 14.
Coat. M. Frascino. 142,025; Aug. 14.
Coat. A. Gruber. 142,070; Aug. 14.
Comb. T. Friedman. 142,167; Aug. 14.
Container, Portable clothes. A. C. Botsford and C. J. Chasse. 142,058; Aug. 14.
Costumer and shelf unit or similar device, Combination of. B. E. Levin. 142,096; Aug. 14.
Coupling, Pipe. E. W. Baxter. 142,057; Aug. 14.
Crane, Tractor carried. C. C. Baldwin. 142,134; Aug. 14.
Cultivator, Garden. H. Pearce. 142,174; Aug. 14.
Cutter for bottles, or similar article, Seal. W. C. Lanyon. 142,202; Aug. 14.
Cutter, Potato. J. S. Garner. 142,026; Aug. 14.
Deodorizer. W. E. Anderson. 142,009; Aug. 14.
Desk. R. B. Lindgren and C. H. Ristenpart. 142,097; Aug. 14.
Desk. C. H. Ristenpart. 142,121; Aug. 14.
Display device. V. K. Campbell. 142,018; Aug. 14.
Doll. O. Ball. 142,013–14; Aug. 14.
Doll, Mechanical. L. Q. MacCallum. 142,172; Aug. 14.
Earring or similar article. H. J. Jung. 142,144; Aug. 14.
Earring or similar article. A. Katz. 142,193; Aug. 14.
Facepiece for gas masks or respirators. W. H. Lehmberg. 142,203; Aug. 14.
Fixture, Fluorescent lighting. J. C. Sabatini. 142,126; Aug. 14.
Fork or other article of flatware. J. R. Price. 142,204–6; Aug. 14.
Frame for a hand mirror or magnifying glass. T. Friedman. 142,168; Aug. 14.
Frame for a radio cabinet, Recessed speaker grille. L. J. Wronke. 142,158–9; Aug. 14.
Frame, Forty year calendar. P. N. Tinello. 142,047; Aug. 14.
Frame or similar article, Picture. J. C. Eubank. 142,137; Aug. 14.
Frame, Picture. A. Barrett. 142,056; Aug. 14.
Frame, Picture. W. P. Campbell. 142,019; Aug. 14.
Grip for sanitary belt. I. S. De Woskin. 142,163; Aug. 14.
Guard for sewing machines. A. P. Duba. 142,065; Aug. 14.
Hammer, Pneumatic. P. E. Hoop, Jr. 142,143; Aug. 14.
Handbag. E. Rosenberg. 142,124; Aug. 14.
Handle for stoves or the like. D. E. Stewart. 142,042; Aug. 14.
Handle, Safety razor. C. V. Shipley. 142,175; Aug. 14.
Hangar, or the like, Preformed airplane. J. C. Radcliffe, Jr. 142,195; Aug. 14.
Heater, Circulating. L. H. Caldwell. 142,061; Aug. 14.
Holder, Card. J. E. Gillett. 142,151; Aug. 14.
Holder, Cigarette. A. Beewar. 142,178; Aug. 14.
Holder or similar article, Playing card. L. Tacón and Armand L. Cueva. 142,176; Aug. 14.
Holder, or similar article, Toothbrush. W. R. Via. 142,048; Aug. 14.
Hydroplane. P. S. Lubienski. 142,034; Aug. 14.
Inserter, Vaginal diaphragm. O. L. Schmitt. 142,040; Aug. 14.
Insole for a shoe. B. D. Huff. 142,152–3; Aug. 14.
Instrument or the like, Multiple drafting. P. W. White. 142,051; Aug. 14.
Knife or other article of flatware. P. Katz. 142,090–2; Aug. 14.
Link, Bracelet. C. Schraysshuen. 142,147; Aug. 14.
Lure, Fish. W. E. Baldwin. 142,160; Aug. 14.
Machine, Gear finishing. E. W. Miller. 142,145; Aug. 14.
Manicure appliance. F. R. Walsh. 142,177; Aug. 14.
Medal, Rosary. W. J. Duzmal. 142,067; Aug. 14.
Mirror and support therefor. H. J. Feist. 142,165; Aug. 14.
Mirror, Hand. H. W. Brown. 142,017; Aug. 14.
Mixing device, Butter substitute. R. R. Auerswald. 142,011; Aug. 14.
Moistening device, or the like, Portable tape. W. C. Marsh. 142,173; Aug. 14.
Necklace. F. Nazare. 142,111; Aug. 14.
Nib section for a fountain pen. D. Juelss. 142,170; Aug. 14.
Pack for fragile articles. W. E. Parsons and W. H. Randall. 142,116–19; Aug. 14.
Pack for fragile articles. E. L. Shepard. 142,129; Aug. 14.
Pin or similar article, Jewelry. F. Morrow. 142,035; Aug. 14.
Pin or similar article, Jewelry. F. Morrow. 142,109–10; Aug. 14.
Plaque or similar article, Service record. W. A. Baker. 142,012; Aug. 14.
Pole head, Clothes. A. Cheney. 142,136; Aug. 14.
Press, Bench. W. C. Denison. 142,023; Aug. 14.
Press, Hydraulic. W. C. Denison. 142,022; Aug. 14.

Press with indexing table. W. C. Denison. 142,024; Aug. 14.
Pull or similar article, Drawer. R. A. Stone. 142,043; Aug. 14.
Rack or similar article, Tie. A. P. Jankas. 142,031; Aug. 14.
Rack, Portable clothes. A. C. Botsford and C. J. Chasse. 142,059; Aug. 14.
Receiver earpiece. A. E. Woodruff. 142,133; Aug. 14.
Receptacle, Coin. R. S. Berens. 142,015; Aug. 14.
Receptacle, Condiment. H. W. Keuper. 142,032; Aug. 14.
Ring, Finger. B. Esh. 142,164; Aug. 14.
Rocking device, Child's. B. C. Timmerman. 142,046; Aug. 14.
Scale, Bathroom. D. Chapman. 142,064; Aug. 14.
Scale, Weighing. G. D. Barok. 142,055; Aug. 14.
Scarf or similar article. S. L. Hermanos. 142,169; Aug. 14.
Shade, Lamp. R. Castro. 142,062–3; Aug. 14.
Shelf and mirror, Combined whatnot. F. P. Heany. 142,072; Aug. 14.
Socket, Terminal. P. Meminger. 142,105; Aug. 14.
Spectacle front. G. E. Nerney. 142,036; Aug. 14.
Stand for packaged commodities, Counter display. R. B. Wemyss. 142,131; Aug. 14.
Starter. V. C. Hodges. 142,199; Aug. 14.
Stopper, Milk carton. E. E. Swanson. 142,196; Aug. 14.
Suit. A. Gruber. 142,069; Aug. 14.
Suit, Bathing. M. Sheldrick. 142,127–8; Aug. 14.
Tablecloth, Lace. H. Hooven. 142,074–6; Aug. 14.
Tablecloth, Lace. F. P. Otto. 142,113–15; Aug. 14.
Tablecloth, Lace. W. Wolf. 142,132; Aug. 14.
Table, Foldable serving. L. Lion. 142,171; Aug. 14.
Tap, Milk carton. E. E. Swanson. 142,197; Aug. 14.
Textile fabric or similar article, Embroidered. O. Frei. 142,166; Aug. 14.
Thumb-rest for firearms or similar article. E. A. Emil. 142,016; Aug. 14.
Toaster, Electric. H. E. Page. 142,037; Aug. 14.
Tool unit, Power. T. S. Briskin. 142,135; Aug. 14.
Toy. W. R. Braund. 142,161; Aug. 14.
Toy. P. V. Chicone and P. Ciccone. 142,149; Aug. 14.
Toy. E. C. Ruehle. 142,039; Aug. 14.
Toy dog. B. M. Lochridge. 142,033; Aug. 14.
Toy for teaching arithmetic, Educational. D. Wurster. 142,053; Aug. 14.
Toy, Pull. C. I. Huth. 142,154; Aug. 14.
Toy, Ring-boat. D. Davidson. 142,021; Aug. 14.
Toy, Ring-loop. D. Davidson. 142,020; Aug. 14.
Toy, Wheeled. W. T. Guild. 142,071; Aug. 14.
Toy, Wheeled. G. M. Wallner. 142,050; Aug. 14.
Tray, Extinguisher ash. P. J. Swofford. 142,130; Aug. 14.
Tree, Shoe. S. W. Robitsek. 142,038; Aug. 14.
Trimming or the like, Embroidered. J. Goldfrank. 142,068; Aug. 14.
Vault, Burial. R. E. Butler. 142,060; Aug. 14.
Vessel or the like, Cooking. N. Shaeffer. 142,041; Aug. 14.
Wallet. P. Rossi. 142,125; Aug. 14.
Welder, Resistance. U. S. Dunn. 142,066; Aug. 14.
Wrench, Duplex socket. M. L. Young. 142,054; Aug. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbent holder. P. N. Condit. 2,382,385; Aug. 14.
Accelerators. G. W. Watt. 2,382,524; Aug. 14.
Accelerators, Vulcanization. R. T. Armstrong. 2,382,769; Aug. 14.
Accommodations in vehicles, Passenger. T. de Roode. 2,382,402; Aug. 14.
Acetals, Modified. W. F. Gresham. 2,382,874; Aug. 14.
Acetophenone, Preparation of. W. S. Emerson. 2,382,867; Aug. 14.
Acid, Concentration of aqueous acetic. H. P. Staudinger, K. H. W. Tuerck, and E. H. Brittain. 2,382,181; Aug. 14.
Acid, Manufacture of levulinic. W. G. Meyer. 2,382,572; Aug. 14.
Acids, Anhydrous halogen. E. Gorin. 2,382,788; Aug. 14.
Acids, Production of unsaturated carboxylic. A. B. Boese, Jr. 2,382,464; Aug. 14.
Acids, Separation of hydroxy carboxylic. G. Braun and O. N. Breivik. 2,382,288; Aug. 14.
Acrylonitrile, Purification of. E. L. Carpenter. 2,382,383; Aug. 14.
Actuator, Bimetallic. J. Strong. 2,382,182; Aug. 14.
Actuator, Variable arc rotary. C. W. Warren. 2,382,925; Aug. 14.
Adapter, Projectile. G. H. Jakobsson. 2,382,152; Aug. 14.
Adhesive. J. G. Little. 2,382,731; Aug. 14.
Adhesive cement products and making same. K. Findley, A. C. Krueger, R. H. Hecker, and J. Matteson. 2,381,946; Aug. 14.
Adjustable carrier ring. E. St. Pierre and J. Wawzonek. 2,382,750; Aug. 14.
Adjustable supporting tool. O. Kylin. 2,382,571; Aug. 14.
Adjusting and control device for material working machines. G. Maurer. 2,382,801; Aug. 14.
Adjusting mechanism for rolling machines. F. A. Stuhlman and A. W. Doderer. 2,382,517; Aug. 14.
Adjustment for levers, Friction. E. F. Pain. 2,382,330; Aug. 14.
Air conditioning apparatus. L. A. Philipp. 2,382,502; Aug. 14.
Aircraft. A. M. Young. 2,382,460; Aug. 14.
Aircraft control. A. Love. 2,382,016; Aug. 14.
Aircraft heating system. H. J. De N. McCollum. 2,382,493; Aug. 14.
Aircraft power plant. E. A. Stalker. 2,382,343; Aug. 14.
Aircraft structure. M. Watter. 2,382,950; Aug. 14.
Aircraft with rotary blade system. E. W. Bossi. 2,381,968; Aug. 14.
Air-driven gyroscopic instrument. D. Crew. 2,382,135; Aug. 14.
Airplane brake. F. Ibarra. 2,381,957; Aug. 14.
Airplane-helicopter. O. A. Solomon. 2,382,824; Aug. 14.
Alcohol, Production of water-free. W. E. Fisher. 2,382,044; Aug. 14.
Alkylation. L. Kniel. 2,382,067; Aug. 14.
Aluminum, Producing or refining. G. N. Kirsebom. 2,382,723; Aug. 14.
Amides, Production of sulphene. L. H. Howland. 2,382,793; Aug. 14.
Amine derivatives of fossil resins and product produced thereby, Making polyethylene. K. H. Weber. 2,382,838; Aug. 14.
Amines, Making aromatic. J. B. Dickey, E. B. Towne, and W. H. Strain. 2,382,613; Aug. 14.
Ammonium nitrate, Pebbling. R. C. Datin. 2,382,298; Aug. 14.
Ammunition, Antitank. J. V. Weinberger. 2,382,118; Aug. 14.
Amusement device. H. Singer. 2,382,513; Aug. 14.
Anesthetic solutions. D. Curtis. 2,382,546; Aug. 14.
Anthraquinone dyestuffs. H. Dreyfus. 2,381,971; Aug. 14.
Antiglare device. G. F. Handley. 2,382,875; Aug. 14.
Antisiphon ball cock valve. J. C. Owens. 2,382,500; Aug. 14.
Apparatus and method for molding concrete blocks. F. A. Williams and G. G. Rusznyak. 2,382,458; Aug. 14.
Apparatus for applying bands to tubular articles. W. A. Weightman. 2,382,359; Aug. 14.
Apparatus for bending channels or the like. J. H. Newsome and A. Davis. 2,382,901; Aug. 14.
Apparatus for conveying freshly coated containers. J. F. Earp. 2,382,619; Aug. 14.
Apparatus for declustering fruit. B. C. Coons. 2,382,134; Aug. 14.
Apparatus for effecting clarification turbulent liquid by flocculation. R. B. Carter, Jr. 2,382,605; Aug. 14.
Apparatus for electroplating. E. D. Martin. 2,382,018; Aug. 14.
Apparatus for flue dust removal. L. J. Buck and C. E. Veatch. 2,382,855; Aug. 14.
Apparatus for induction heating of molding machines. M. A. Crosby. 2,381,866; Aug. 14.
Apparatus for internal grinding. R. A. Heald. 2,382,311; Aug. 14.
Apparatus for making composite strips. G. H. Schanz. 2,382,177; Aug. 14.
Apparatus for making hand knitted garments. J. M. de la Peña. 2,382,614; Aug. 14.
Apparatus for making mattresses, cushions, and the like. F. G. Hodges, Jr. 2,382,226; Aug. 14.
Apparatus for manufacturing tires. F. Kovacs. 2,382,069; Aug. 14.
Apparatus for practicing football goal kicking. R. E. W. Perry. 2,382,744; Aug. 14.
Apparatus for producing V-reenforcements. M. Hornstein. 2,382,057; Aug. 14.
Apparatus for producing wound condensers. H. Kappeler. 2,382,065; Aug. 14.
Apparatus for smoothing thermoplastic coating materials. A. M. Wickwire, Jr. 2,381,942; Aug. 14.
Apparatus for sorting granular material according to its moisture content. T. A. Oxley and F. Y. Henderson. 2,382,168; Aug. 14.
Apparatus for taking pictures of the images produced by electron optic apparatus. H. O. Muller. 2,382,739; Aug. 14.
Apparatus for testing the pitch of gears. D. Ernes. 2,381,975; Aug. 14.
Apparatus for the chlorination of bast fibers. H. Korte, W. Waibel, and J. Metzger. 2,382,726; Aug. 14.
Apparatus for the continuous production of corrugated glass sheets. L. Boudin. 2,382,379; Aug. 14.
Apparatus for the electrostatic separation of material particles. E. L. Wiegand. 2,382,122; Aug. 14.
Apparatus for tinning margins of black iron can body blanks. E. Laxo. 2,382,236–7; Aug. 14.
Apparatus for treating eggs. F. B. Lomax. 2,382,492; Aug. 14.
Apparatus for treating glass. A. Yang. 2,382,187; Aug. 14.
Apparatus for treating wells. C. M. Bryant. 2,381,875; Aug. 14.
Apparatus for variable heating. F. S. Demneen and W. C. Dunn. 2,382,779; Aug. 14.
Apron and runway, Portable landing gear. E. S. Guignon, Jr. 2,382,789; Aug. 14.
Armored car. A. Davis, Jr. 2,382,862; Aug. 14.
Aromatic compounds, Oxidation of. R. A. Harman. 2,382,148; Aug. 14.
Aromatic compounds, Treatment of. R. E. Schaad. 2,382,260; Aug. 14.
Article handling apparatus. J. A. Decker and D. P. Wilkes. 2,382,863; Aug. 14.
Article supporting device. R. C. Kivley and A. Pearson. 2,382,233; Aug. 14.
Arylacetonitrile derivatives, Manufacture of. F. Bergel, N. C. Hindley, A. L. Morrison, and H. Rinderknecht. 2,382,285; Aug. 14.
Assemblage and package, String binder. H. W. Gordon. 2,382,143; Aug. 14.
Astronomical device. J. C. Lafferty. 2,382,643; Aug. 14.
Atomizer. A. H. Bahnson, Jr. 2,382,124; Aug. 14.
Atomizer and diffuser, Liquid. V. A. Trier. 2,382,681; Aug. 14.
Attachment for paper-cutting machines. J. R. Brougher. 2,382,129; Aug. 14.
Automatic guns, Speed regulator for. S. G. Green. 2,382,411; Aug. 14.
Automatic magazine feed solid fuel heater. W. T. Bradbury, C. E. Chesser, and H. F. Lieber. 2,382,287; Aug. 14.
Automatic sculling oar lock. G. C. Hosack. 2,382,721; Aug. 14.
Automatic speed limiting device for hydraulic turbine rotors. P. W. Seewer. 2,382,108; Aug. 14.
Automatic tuning control circuit. J. F. Chandler. 2,382,203; Aug. 14.
Azeotropic distillation. W. J. Bloomer. 2,381,996; Aug. 14.
Baked goods, Manufacture of. J. Freilich and C. N. Frey. 2,382,305; Aug. 14.
Balancing machine. E. F. Riopelle and K. E. Sihvonen. 2,382,665; Aug. 14.

Balancing machine. K. E. Sihvonen and E. F. Roepelle. 2,382,673; Aug. 14.
Band iron brake. L. H. Gable. 2,382,306; Aug. 14.
Bar: *See*—
Spring bar. Wrecking bar.
Barking machine. F. E. Medcoff. 2,382,896; Aug. 14.
Base for sound recording machines, Film supporting. J. M. Kuhlik. 2,382,161; Aug. 14.
Batteries, Storing and filling. E. M. Sutherland and C. H. Endress. 2,382,675; Aug. 14.
Battery separator. S. I. Strickhouser and E. C. Ullig. 2,382,829; Aug. 14.
Battery separators, Making. E. Fairclough. 2,382,621; Aug. 14.
Battery terminal. W. G. Tenney. 2,381,938; Aug. 14.
Beam structure, Composite. C. P. Cueni. 2,382,138; Aug. 14.
Bearing structure, Self-aligning. J. C. Chambers and J. R. Allen. 2,382,773; Aug. 14.
Bearings, Making self-aligning. C. G. Taylor. 2,382,349; Aug. 14.
Belt, Carrier. G. M. Howard. 2,382,634; Aug. 14.
Bench, Relaxing. L. E. Carlile. 2,382,542; Aug. 14.
Bending machine. M. A. Powers. 2,382,745; Aug. 14.
Benzene, Alkylation of. V. N. Ipatieff and R. E. Schaad. 2,382,318; Aug. 14.
Benzene-sulphonamido derivatives and making same. M. Hartmann and J. Druey. 2,382,167; Aug. 14.
Bilge pump. T. Langan. 2,382,797–8; Aug. 14.
Binder. H. D. Falls. 2,382,556; Aug. 14.
Bis(2-cyanoethyl) ether and making same. H. A. Bruson. 2,382,036; Aug. 14.
Blade with integral guard, Razor. O. H. Crowell. 2,382,296; Aug. 14.
Block: *See*—
Snatch block.
Blower, High pressure. E. B. Williams. 2,382,687; Aug. 14.
Boat, Life. W. R. Bitton. 2,382,126; Aug. 14.
Body for trailers, Knockdown. J. J. Black. 2,382,376; Aug. 14.
Boiler feedwater treatment process. T. L. Pankey and C. E. Imhoff. 2,382,902; Aug. 14.
Boom for load handling machines. R. H. Zeilman. 2,382,767; Aug. 14.
Boots and shoes and outsoles therefor. G. Supple. 2,381,937; Aug. 14.
Boring tool. D. Seiter. 2,382,510; Aug. 14.
Bottle carrier. E. L. Arneson. 2,382,844; Aug. 14.
Boxmaking apparatus. C. D. Knowlton. 2,381,961; Aug. 14.
Bracket for shades or curtains, Window casing. A. Letoile. 2,382,887; Aug. 14.
Brake: *See*—
Airplane brake. Hydraulic brake.
Band iron brake. Railway brake.
Dual brake. Vehicle brake.
Brake and die set, Power press. F. H. Leslie. 2,382,077; Aug. 14.
Brake equalizer. J. A. Hicks. 2,382,223; Aug. 14.
Brake for hoists. E. B. Lear. 2,382,644; Aug. 14.
Brakehead and brake beam adapter. M. S. Johnson. 2,382,794; Aug. 14.
Brake mechanism. J. H. Coombes. 2,382,543; Aug. 14.
Brake mechanism. C. L. Eksergian. 2,382,551; Aug. 14.
Brake mechanism. C. L. Eksergian and J. H. Coombes. 2,382,552; Aug. 14.
Brake mechanism. C. L. Eksergian and P. W. Gaenssle. 2,382,553–4; Aug. 14.
Brake mechanism. P. W. Gaenssle and R. G. Stacy. 2,382,870; Aug. 14.
Brake mechanism. C. H. White. 2,382,192; Aug. 14.
Braking system. S. Schnell. 2,382,263; Aug. 14.
Breadmaking machine. M. A. Olgiati. 2,382,637; Aug. 14.
Breaker and valve, Siphon. J. D. Langdon. 2,382,427; Aug. 14.
Bridge structure, Portable. J. M. Guthrie. 2,382,478; Aug. 14.
Bridging plug. G. E. Turechek. 2,382,455; Aug. 14.
Bright dip. H. R. Dittmar. 2,382,865; Aug. 14.
Briquette, Detergent. J. D. MacMahon. 2,382,163–5; Aug. 14.
Broaching apparatus. L. B. Green. 2,382,628; Aug. 14.
Brush assembly. R. M. Nardone. 2,381,982; Aug. 14.
Brush, Dabbing. A. P. Cadeau. 2,382,541; Aug. 14.
Brush, Fountain. O. J. Herb. 2,382,314; Aug. 14.
Brush holder. L. D. Leach and L. G. Strom. 2,382,799; Aug. 14.
Brush holder. R. A. Manny. 2,382,894; Aug. 14.
Bubble forming device. I. McLaren. 2,382,949; Aug. 14.
Building siding material. H. C. Koch. 2,382,234; Aug. 14.
Building structure. P. L. Wiener. 2,382,361; Aug. 14.
Burner: *See*—
Oil burner.
Burner and support therefor. W. Newcomb. 2,382,900; Aug. 14.
Burner with corrugated ring, Pot type. J. L. Breese and B. Hayter. 2,381,864; Aug. 14.
Butadiene, Production of. F. E. Frey. 2,382,473; Aug. 14.
Cabinet: *See*—
Wall cabinet.
Cabinet with drawers. F. F. Loeb and J. E. Bales. 2,382,429; Aug. 14.
Calculating device. W. F. Judd. 2,382,064; Aug. 14.
Calculating machine. A. F. Pott. 2,382,661; Aug. 14.
Cam. G. L. Bennett and F. Dyer. 2,382,849; Aug. 14.
Camphene from pinene, Preparation of. W. F. Carson, Jr. 2,382,397; Aug. 14.
Cap: *See*—
Paper screw cap.
Car: *See*—
Armored car.
Carburetor. S. W. Gilbert. 2,382,050; Aug. 14.
Carburetor ice warning gauge. J. F. Carssow. 2,382,365; Aug. 14.
Carburetor, Manifold injection. O. L. Garretson. 2,382,625; Aug. 14.
Carriage control for accounting machines. W. A. Anderson. 2,382,195; Aug. 14.
Carriage, Reciprocable. H. E. Somes. 2,382,826; Aug. 14.
Carriage, Work supporting. H. E. Somes. 2,382,825; Aug. 14.
Carrier: *See*—
Bottle carrier.
Carton. I. L. Lesavoy. 2,382,240; Aug. 14.
Carton and package. T. C. Gevaart. 2,382,308; Aug. 14.
Carton, Collapsible cellular. K. T. Buttery. 2,382,202; Aug. 14.
Case: *See*—
Open refrigerated display case. Refrigerated display case.
Casings, Method and apparatus for forming tubular. K. Schultz. 2,382,504; Aug. 14.
Cast refractory, Producing. T. E. Field and H. T. Smyth. 2,381,945; Aug. 14.
Catalyst, Reactivation of. L. E. Carlsmith and H. J. Ogorzaly. 2,382,382; Aug. 14.
Catalysts, Metal halide. E. Solomon, H. J. Passino, and L. C. Rubin. 2,382,586; Aug. 14.
Catalysts, Regeneration of. F. E. Frey. 2,382,472; Aug. 14.
Catalytic conversion. R. S. Treseder. 2,382,753; Aug. 14.
Catalytic conversion of hydrocarbon oils. Du B. Eastman and C. Richker. 2,382,039; Aug. 14.
Catalytic conversion of hydrocarbon oils. C. W. Tyson. 2,382,755; Aug. 14.
Cathode ray beam deflecting circuits. O. H. Schade. 2,382,822; Aug. 14.
Cellulose, Treatment of. R. B. Darling. 2,382,399; Aug. 14.
Centrifugal. G. M. Norman and J. Stuart II. 2,382,574; Aug. 14.
Centrifugal pump. C. E. Wuensch. 2,382,839; Aug. 14.
Ceramic bodies and producing same. H. L. Crowley and A. M. Hossenlopp. 2,382,136; Aug. 14.
Chain link blank, and making chain links. H. St. Pierre. 2,382,345; Aug. 14.
Chair: *See*—
Folding chair.
Check board for games. W. C. Durkin. 2,382,005; Aug. 14.
Chemical processes and products. A. D. Johnson. 2,381,960; Aug. 14.
Chiropractic adjustment table. J. G. Norris. 2,381,922; Aug. 14.
Chlorine by distillation, Separating sulphur dioxide. H. C. Carlson. 2,381,876. Aug. 14.
Chopper or blocker apparatus. J. H. Yates and M. Thomas. 2,382,689; Aug. 14.
Chromates, Producing. L. M. Kebrich. 2,382,157; Aug. 14.
Cigarette dispenser. N. Testi. 2,382,350; Aug. 14.
Circuit: *See*—
Automatic tuning control circuit. Reactance tube circuit.
Oscillator-modulator circuit. Selective control circuit.
Oscillator stabilizing circuit. Thermostat control circuit.
Variable grid circuit.
Circuit breaker. A. Estienne. 2,382,703; Aug. 14.
Circuit breaker, Air blast. C. V. Foulds. 2,382,786; Aug. 14.
Circuits for carrier systems, Gain control. A. M. Thornton and W. F. Baly. 2,382,588; Aug. 14.
Clamp for food choppers or the like, Adjustable. D. Papkin. 2,382,811; Aug. 14.
Clamping device. B. Leuvelink. 2,382,428; Aug. 14.
Clamping device for planers and the like, Rail. C. W. Berthiez. 2,382,392; Aug. 14.
Clasp. L. Oliver. 2,382,658; Aug. 14.
Classifying system for pulverized materials. H. Hardinge. 2,381,954; Aug. 14.
Cleaning apparatus. E. J. McGuinness. 2,382,892; Aug. 14.
Clearer for roving or spinning frames. W. J. Dunleavy. 2,382,214; Aug. 14.
Clip: *See*—
Insulation clip.
Clipper, Hair. H. Aaron. 2,381,867; Aug. 14.
Closet pole, Clothes. B. Cones. 2,382,003; Aug. 14.

Closure band, Press button. J. Persin. 2,382,907; Aug. 14.
Closure device for rendering bottles nonrefillable. M. Diaz y Diaz. 2,382,864; Aug. 14.
Clutch. F. E. Fisher. 2,382,869; Aug. 14.
Clutch. W. E. Moffitt. 2,382,088; Aug. 14.
Clutch assembly, Multiple. P. Orr. 2,382,438; Aug. 14.
Clutch construction, Overrunning. C. D. Peterson and A. H. Deimel. 2,382,331; Aug. 14.
Clutching device, Frictional. H. T. Kraft. 2,382,570; Aug. 14.
Coagulant method. G. T. Buchanan. 2,381,865; Aug. 14.
Coal, Coking expanding. C. Otto. 2,382,809; Aug. 14.
Coating machine, Stencil. C. F. Schaefer. 2,382,920; Aug. 14.
Coatings, Protective. H. K. Patch. 2,382,742; Aug. 14.
Coffee maker and filter therefor. F. E. Wolcott. 2,382,594; Aug. 14.
Collector for electric vehicles, Current. F. Szalay. 2,382,751; Aug. 14.
Collet with removable pads. J. Ingalls. 2,382,060; Aug. 14.
Color grading apparatus and method. R. H. Osborn. 2,382,439; Aug. 14.
Color pictures, Direct method of producing. M. W. Seymour and R. V. Young. 2,382,671; Aug. 14.
Color reproduction. J. A. C. Yule. 2,382,690; Aug. 14.
Coloring matters, New. M. A. T. Rogers. 2,382,914; Aug. 14.
Combustion apparatus. G. M. Dreher. 2,382,301; Aug. 14.
Communication apparatus. O. A. Shann. 2,381,986; Aug. 14.
Communication system. W. M. Bacon, F. S. Kinkead, and J. A. Krecek. 2,381,871; Aug. 14.
Composite structure, Prestressed. C. P. Cueni. 2,382,139; Aug. 14.
Composition and an oil cloth made therefrom, Flat coating. C. M. Lent. 2,381,915; Aug. 14.
Composition containing palmetto pith, Light-weight nonmetallic. C. Schuh. 2,382,448; Aug. 14.
Composition for lining can ends. J. E. Robinson, F. H. Bopp, and P. W. Millelot, Jr. 2,382,443; Aug. 14.
Compounded mineral oil. B. B Farrington, J. O. Clayton, and J. T. Rutherford. 2,382,043; Aug. 14.
Compounding system, Fluid pressure. S. Schnell. 2,381,930; Aug. 14.
Compressed air operated rotary tool. W. H. Warren. 2,382,591; Aug. 14.
Compresses, Preparing. J. H. Emerson. 2,381,974; Aug. 14.
Compressor. H. A. Andresen. 2,382,598; Aug. 14.
Compressor. N. Herzmark. 2,382,716; Aug. 14.
Compressor, Centrifugal. M. G. Robinson. 2,382,913; Aug. 14.
Compressor for shoes, Sole. C. J. Simonetti. 2,382,112; Aug. 14.
Computer, Fire control. G. A. Crowther. 2,382,776; Aug. 14.
Conductor, Insulator electric. O. A. J. van Lin and J. Hoekstra. 2,382,275; Aug. 14.
Conduit or pipe support. L. H. Peevey. 2,382,577; Aug. 14.
Connection for containers. E. R. Koppel. 2,382,489; Aug. 14.
Connector: *See*—
Electrical connector.
Constituents of tall oil, Separating and recovering. J. F. Loughlin. 2,382,890; Aug. 14.
Construction with a comparatively large base into the soil, Lowering a. B. H. H. Zweers. 2,382,768; Aug. 14.
Container: *See*—
Easy opening, reclosable container. Knockdown container.
Welding rod container.
Container. H. L. Carpenter. 2,382,858; Aug. 14.
Container. G. A. Moore. 2,382,573; Aug. 14.
Container. J. R. Richards and C. W. Evert. 2,382,819; Aug. 14.
Container. I. L. Wilcox and R. Horning. 2,382,035; Aug. 14.
Container and dispenser for soda straws or the like, Shipping. W. E. Amberg. 2,382,597; Aug. 14.
Container blowing and cooling apparatus. O. H. Samuelson and A. T. Zappia. 2,382,028; Aug. 14.
Container for aircraft, Ammunition. H. Hertel. 2,382,715; Aug. 14.
Container for use with aircraft, Refrigerated shipping. L. F. Clerc. 2,382,859; Aug. 14.
Containers, Closure for. H. Gräbener. 2,382,051; Aug. 14.
Containers, Filling. M. J. M. de Milleville. 2,382,696; Aug. 14.
Control apparatus. W. A. Ray. 2,381,926; Aug. 14.
Control apparatus for engines. C. L. Baumann, Jr. 2,382,847; Aug. 14.
Control device, Compression. D. F. Foster. 2,381,895; Aug. 14.
Control for fish lines, Leader. G. N. Thomas. 2,382,677; Aug. 14.
Control for gaseous fuel burners. Safety. S. G. Eskin and C. K. Strobel. 2,382,216; Aug. 14.
Control for pressing machines. F. C. Lornitzo. 2,381,917; Aug. 14.
Control for pressing machines, Latch. F. C. Lornitzo. 2,382,323; Aug. 14.
Control for pressing machines, Safety. F. C. Lornitzo. 2,382,322; Aug. 14.
Control mechanism. C. E. Mason. 2,382,895; Aug. 14.
Control mechanism. V. F. Zahodiakin. 2,382,765–6; Aug. 14.
Control mechanism, Size. R. S. Elberty, Jr. 2,382,215; Aug. 14.
Control system. L. Gess. 2,381,948; Aug. 14.
Control system. J. P. Vollrath. 2,381,992; Aug. 14.
Control system for vehicles, Radio directional. G. B. Greene and R. W. Goble. 2,382,709; Aug. 14.
Controlling the operation of automatic mechanism such as automatic guns, Method and apparatus for. H. Trevaskis. 2,382,352; Aug. 14.
Conversion of hydrocarbons, Polyform. A. H. Schutte. 2,382,107; Aug. 14.
Conversion process, Hydrocarbon. R. F. Ruthruff. 2,382,100; Aug. 14.
Conveyer. G. A. Miller. 2,382,087; Aug. 14.
Conveying apparatus. O. W. Wood. 2,382,194; Aug. 14.
Cooling system. N. Herzmark. 2,382,717; Aug. 14.
Core structures for inductive apparatus. H. V. Putman and J. K. Hodnette. 2,382,172; Aug. 14.
Corn picker lifting mechanism. J. B. Hayes and R. L. Dort. 2,382,480; Aug. 14.
Corrosion prevention. H. D. Rhodes and R. W. Watson. 2,382,818; Aug. 14.
Corset and combination garment. B. F. Hall. 2,381,953; Aug. 14.
Counter, Resettable. S. Graydon, Jr., and H. N. Bliss. 2,382,708; Aug. 14.
Counting apparatus, Vehicle. G. A. Culbertson. 2,382,140; Aug. 14.
Coupler. E. P. Kinne and F. H. Kayler. 2,382,232; Aug. 14.
Coupling: *See*—
Flexible pipe coupling. Hydraulic coupling.
Hose coupling.
Coupon holder. S. Heilbrunn and A. F. Kaptuller. 2,382,877; Aug. 14.
Cover: *See*—
Ironing board cover.
Cover lock for pans. L. L. Marohl. 2,382,083; Aug. 14.
Cracking process, Catalytic. C. H. Kollenberg. 2,382,724; Aug. 14.
Crane, Loading and unloading. A. M. Deiters. 2,382,299; Aug. 14.
Crane, Portable. L. L. Hercik. 2,382,054; Aug. 14.
Crankcases, Making. T. L. Fawick. 2,382,303; Aug. 14.
Crimping tool. J. B. Dennis. 2,382,401; Aug. 14.
Cultivator, Hand. R. E. Sievert. 2,382,030; Aug. 14.
Cut out, Animal trophy. J. Katz and A. Alfano. 2,382,231; Aug. 14.
Cutter: *See*—
Milling cutter.
Cutter. L. A. Smith. 2,382,113; Aug. 14.
Cutter for tying machines, Thread. E. Cummins. 2,382,210; Aug. 14.
Cutting device, Portable hand-operated. J. J. Otto. 2,382,021; Aug. 14.
Cutting implement. C. E. Peterson. 2,382,440; Aug. 14.
Cutting-off tool. A. B. Nesbitt and S. Webb. 2,382,020; Aug. 14.
Cutting quartz crystals and apparatus for preparing quartz crystals for cutting. B. E. Baker. 2,381,993; Aug. 14.
Cycle timer, Variable. R. H. Long. 2,382,078; Aug. 14.
Cycloparaffin production. W. E. Ross and P. Pezzaglia. 2,382,445–6; Aug. 14.
Cylinder, Cradle operating. D. Wertman and F. Warlick. 2,382,457; Aug. 14.
Cylinder, piston and crankshaft arrangement. W. M. Allison. 2,382,280; Aug. 14.
Damping device, Wave. W. G. Billé. 2,382,393; Aug. 14.
Date finder unit. E. L. Turnbaugh. 2,382,754; Aug. 14.
Decking and the like, Bridge. J. R. Wilks. 2,382,761; Aug. 14.
Delay element for fuses. R. L. Graumann and M. W. Fischer. 2,381,900; Aug. 14.
Demodulator for frequency and amplitude modulation. E. H. Lange. 2,382,015; Aug. 14.
Demonstration device, particularly for insurance purposes. N. B. Frick. 2,382,007; Aug. 14.
Derivatives of camphene, Hydroxy acid. C. O. Henke. 2,382,313; Aug. 14.
Detaching motion. S. H. Helland. 2,382,481; Aug. 14.
Detonating device. J. Imber. 2,382,879; Aug. 14.
Device for electric resistance welding. G. Hagedorn. 2,382,711; Aug. 14.
Device for polishing locomotive crank pins. H. E. Klinglesmith. 2,382,642; Aug. 14.
Device for recovering a radiation source. A. Wolf and G. Herzog. 2,382,279; Aug. 14.
Device for regulating internal-combustion engines. F. Gosslau, J. Schmidt, and W. Zarnack. 2,382,707; Aug. 14.
Device for regulating the height of masher arms. R. C. Schock. 2,382,264; Aug. 14.
Device for releasably securing plates or tools to platen presses. H. Bobst and J. Kury. 2,382,600; Aug. 14.

Device for vehicles, Signal. C. W. Thornton. 2,382,832; Aug. 14.
Diagnostic and electrosurgical appliance. A. L. Sheiffele. 2,382,109; Aug. 14.
Dial, Illuminated. W. E. Overton. 2,381,924; Aug. 14.
Diamond cutting machine. J. W. Radu. 2,382,256; Aug. 14.
Dictation machine. H. P. Clausen. 2,382,607; Aug. 14.
Dining table. G. O. Thaxton. 2,382,183; Aug. 14.
Diolefins, Production of. H. M. Singleton. 2,382,749; Aug. 14.
Disks, Forming conical. R. C. Ingersoll. 2,382,485; Aug. 14.
Dispenser: *See*—
Cigarette dispenser.
Dispensing apparatus. G. Smith. 2,382,369; Aug. 14.
Dispensing apparatus, Predetermining. E. Thoresen and W. H. Marsh. 2,382,454; Aug. 14.
Dispensing device. W. W. Weichselbaum. 2,382,191; Aug. 14.
Dispensing unit. C. F. Pease. 2,382,576; Aug. 14.
Dispersions of adhesives of the oil-in-water type. J. O. Hendricks. 2,382,417; Aug. 14.
Dispersive agent, Producing. A. J. Tiede. 2,381,939; Aug. 14.
Dissolving, softening, gelatinizing, and swelling agents. W. Hentrich, W. Kaiser, and R. Endres. 2,382,714; Aug. 14.
Distributing apparatus. M. E. Fernald. 2,381,893; Aug. 14.
Distributing means for spray booths, Water curtain. J. F. Roche, Jr. 2,382,026; Aug. 14.
Dithiophosphoric acids and salts thereof. E. W. Cook and W. D. Thomas, Jr. 2,382,775; Aug. 14.
Doll, Jointed manikin. M. Geller. 2,381,897; Aug. 14.
Domestic appliance. D. K. Ferris. 2,381,894; Aug. 14.
Domestic appliance. D. K. Ferris. 2,382,219; Aug. 14.
Door lock. A. Wirz. 2,382,762; Aug. 14.
Drafting mechanism for textile fibers. J. Noguera. 2,381,983; Aug. 14.
Drain, Condensation. W. Queirold. 2,382,579; Aug. 14.
Drawer guide. C. F. Wolters and N. Y. Andersen. 2,382,363; Aug. 14.
Drawing spacer, Multiple. J. H. Scott. 2,382,029; Aug. 14.
Drive mechanism, Variable speed. J. B. Armitage. 2,382,935; Aug. 14.
Driving mechanism, Drill spindle. W. G. Hoelscher. 2,382,719; Aug. 14.
Drum operating mechanism, Pattern. J. Wawzonek. 2,382,757; Aug. 14.
Dual brake. C. J. Whitacre. 2,382,927; Aug. 14.
Dust in the screening of dust-laden material, Controlling. W. J. Parks. 2,382,252; Aug. 14.
Duster, Broom. P. B. Coats. 2,382,205; Aug. 14.
Easy opening, reclosable container. C. H. Bloedorn. 2,382,378; Aug. 14.
Editing table. J. Bolsey. 2,381,997; Aug. 14.
Eductor. P. Berman. 2,382,391; Aug. 14.
Egg separator. L. D. Mink. 2,382,737; Aug. 14.
Electric apparatus. E. H. Brink. 2,382,199; Aug. 14.
Electric cable system. F. J. White. 2,382,120; Aug. 14.
Electric circuit breaker, Gas blast. R. M. Bennett. 2,382,850; Aug. 14.
Electric contacts. E. I. Shobert, II. 2,382,338; Aug. 14.
Electric heating pad. G. C. Heinrich. 2,382,312; Aug. 14.
Electric induction apparatus. G. Camilli. 2,382,857; Aug. 14.
Electric iron. T. F. Saffady. 2,382,101; Aug. 14.
Electric iron. A. G. Thomas. 2,382,587; Aug. 14.
Electric protective system. C. A. Petersen. 2,382,908; Aug. 14.
Electric switch. H. Perret. 2,382,022; Aug. 14.
Electric valve system. O. W. Livingston. 2,382,243; Aug. 14.
Electrical cell apparatus. H. C. Marks. 2,382,735; Aug. 14.
Electrical conductors, Manufacturing. H. J. Kauth. 2,382,423; Aug. 14.
Electrical connector. C. R. Pieper. 2,382,095; Aug. 14.
Electrical determination or control of chlorine in liquids. H. C. Marks. 2,382,734; Aug. 14.
Electrical fuse device. C. L. Schuck. 2,382,265; Aug. 14.
Electrical insulating material. J. F. Morley. 2,382,498; Aug. 14.
Electrical measuring instrument. F. E. Hiller. 2,382,315; Aug. 14.
Electrical musical apparatus. J. M. Hanert. 2,382,413; Aug. 14.
Electrical precipitation. J. F. Chittum. 2,381,879; Aug. 14.
Electrical switching means. H. J. McCarthy. 2,382,646; Aug. 14.
Electrical wiring system. H. F. McLoughlin, W. E. Hill, R. W. Morgan, and T. G. Wintle. 2,382,647; Aug. 14.
Electroacoustic transmission plant for reproduction in places with noise disturbances. H. Baumgartner. 2,382,848; Aug. 14.
Electrodeposition. B. C. Kathe. 2,381,911; Aug. 14.
Electrolytic production of magnesium. C. M. Slansky. 2,382,450; Aug. 14.
Electrolytic smoothing of metals. R. W. Edmonson. 2,382,549; Aug. 14.
Electromagnetic apparatus for pipe-line surveys. C. J. Penther and F. B. Rolfson. 2,382,743; Aug. 14.
Electromagnetic operator. W. A. Ray. 2,382,664; Aug. 14.
Electronic type balancer. R. B. Annis. 2,382,843; Aug. 14.
Emulsion copolymerization of butadiene-1,3 hydrocarbons and monovinyl compounds copolymerizable therewith. W. E. Messer. 2,383,802; Aug. 14.
Emulsions of cellulose acetate, Aqueous. O. Huppert. 2,382,636; Aug. 14.
Emulsions, Vulcanized fatty oil. L. Auer. 2,382,532; Aug. 14.
Engine: *See*—
Internal-combustion engine. — Rotary combustion engine.
Envelope machine. L. Hoffman and A. Dalmen. 2,381,955; Aug. 14.
Equipment for tire retreading. A. L. Anderson. 2,381,963; Aug. 14.
Equipment for vehicle bodies. W. T. Howard. 2,382,011; Aug. 14.
Equipment for wells, Producing. A. J. Penick. 2,382,578; Aug. 14.
Ester. M. M. Brubaker. 2,381,883; Aug. 14.
Ester. M. E. Cupery. 2,381,880; Aug. 14.
Ester. M. E. Cupery. 2,381,882; Aug. 14
Esters. M. M. Brubaker. 2,381,889; Aug. 14.
Esters. M. E. Cupery. 2,381,886; Aug. 14.
Esters and preparing the same. J. D. D'Ianni. 2,382,548; Aug. 14.
Esters, Complex resinous. W. R. Catlow, Jr. 2,381,969; Aug. 14.
Esters, Mixed. C. Le V. Agre. 2,381,888; Aug. 14.
Esters, Mixed. H. S. Rothrock. 2,381,881; Aug 14.
Esters, Mixed. J. C. Sauer. 2,381,885; Aug. 14.
Esters, Mixed. J. C. Sauer. 2,381,887; Aug 14.
Esters of aleuritic acid. W. J. Sartori. 2,382,919; Aug. 14.
Esters of phenylphosphonic acid, Glycol. A. D. F. Toy. 2,382,622; Aug. 14.
Ether of 2-methyl-2-hydroxy-butene-3. F. J. Soday. 2,382,031; Aug. 14.
Ethers of vitamin B_6. S. A. Harris. 2,382,876; Aug. 14.
Exchange apparatus, Heat. R. Pyzel. 2,382,255; Aug. 14.
Explosive. F. R. Seavey. 2,382,921; Aug. 14.
Extensible hand tool. A. E. Carlberg. 2,382,291; Aug. 14.
Extensometer. J. B. Thorpe. 2,382,351; Aug. 14.
Extensor, Mechanical. W. J. Zenner. 2,382,596; Aug. 14.
Extraction of solid materials, Solvent. N. E. Berry. 2,381,965; Aug. 14.
Extraction process. A. M. Erickson and J. Ryan. 2,382,407; Aug. 14.
Extractor: *See*—
Fowl leg tendon extractor.
Eye shield and guard, Combined. F. J. Hanak. 2,382,147; Aug. 14.
Facepiece. W. P. Yant. 2,382,364; Aug. 14.
Factis, Producing. I. Bencowitz. 2,382,284; Aug. 14.
Fan, Axial flow. N. T. Bauer. 2,382,535; Aug. 14.
Fastener: *See*—
Skin fastener. — Turn button fastener.
Slide operated fastener.
Fastener. J. M. Summers. 2,382,518; Aug. 14.
Fastener device for electrical conductors. W. L. Trafton. 2,382,945; Aug. 14.
Fastening device. G. A. Tinnerman. 2,382,520–1; Aug. 14.
Fastening device. G. A. Tinnerman. 2,382,678; Aug. 14.
Fastening inserting machine. C. A. Robinson. 2,381,985; Aug. 14.
Faucet attachment. H. R. Klein. 2,382,066; Aug. 14.
Feed for plastic molding machines, Auxiliary scrap. W. O. Nichols. 2,382,655; Aug. 14.
Feeding means for machine tools, Workpiece. H. King. 2,382,013; Aug. 14.
Film feeding apparatus. D. Canady. 2,382,772; Aug. 14.
Filter: *See*—
Self-cleaning filter.
Filter. W. Widmann. 2,382,278; Aug. 14.
Filter medium, Producing a. A. M. Goodloe. 2,382,560; Aug. 14.
Finishing system. Wood. M. M. Wilson and W. E. Be. 2,381,944; Aug. 14.
Firing device for the fuses of bombs, flares, and the like. T. F. Giles. 2,382,872; Aug. 14.
Fixture, Portable electric lighting. D. J. Biller. 2,382,538; Aug. 14.
Flame quencher, Gas engine exhaust. R. P. Arms. 2,382,386; Aug. 14.
Flaws in sheet material, Detecting structural. C. Stevens. 2,381,990; Aug. 14.
Flexible pipe coupling. F. M. Allen and C. B. Taylor. 2,382,375; Aug. 14.
Floor coverings. M. E. Cupery. 2,382,297; Aug. 14.
Flotation process. N. Weiner. 2,382,360; Aug. 14.
Flow control for pressing machines. F. C. Lornitzo. 2,381,918; Aug. 14.
Fluid for fluid pressure systems. C. E. Allderdice, Jr. 2,382,527; Aug. 14.
Fluid motor. P. White. 2,382,526; Aug. 14.

Fluid pressure control unit for laundry machines and the like. J. A. Hicks. 2,382,224; Aug. 14.
Fluids, Mixing. C. G. Gerhold. 2,382,871; Aug. 14.
Fluoaluminate, Preparing stabilized synthetic. C. B. Miles. 2,382,327; Aug. 14.
Fluorescent desk lamp. A. Holecek. 2,382,878; Aug. 14.
Fluorescent lamp circuits. R. W. Keiser. 2,382,012; Aug. 14.
Fluorescent lighting. R. W. Keiser and C. P. Boucher. 2,382,638; Aug. 14.
Foam baths, Producing. L. Lowenstein. 2,382,732; Aug. 14.
Folding chair. R. W. Dick. 2,382,300; Aug. 14.
Folding clothes rack. J. S. Harding. 2,382,310; Aug. 14.
Food composition. C. W. Lindow and J. J. Thompson. 2,382,242; Aug. 14.
Food product. E. Van Dellen and R. N. Ball. 2,382,682; Aug. 14.
Foods, Processing. J. C. Donnelly. 2,382,780; Aug. 14.
Footwear and its manufacture. D. D. Goldstein. 2,382,559; Aug. 14.
Force gauge. R. C. Burt. 2,382,289; Aug. 14.
Forced draft heater. E. W. Logue. 2,382,800; Aug. 14.
Fore-and-aft draft indicator. F. L. Corbin. 2,382,691; Aug. 14.
Forging. P. E. Flowers. 2,382,045; Aug. 14.
Forging press. E. A. Skowron and W. H. Woodings. 2,382,339; Aug. 14.
4-methyl phenyl acetone, Making. W. Wenner. 2,382,686; Aug. 14.
Fowl leg tendon extractor. F. W. Jenson. 2,382,320; Aug. 14.
Frequency modulated pulse signaling. W. van B. Roberts. 2,381,928; Aug. 14.
Frictional apparatus. S. K. Wellman and C. B. Sawyer. 2,381,941; Aug. 14.
Frictional controlling device for rotating bodies. H. C. Lord. 2,382,373; Aug. 14.
Frog, Railway. W. O. Jay. 2,382,153; Aug. 14.
Fruit-cutting and juice-extracting machine. N. Eastman. 2,382,620; Aug. 14.
Fuel burner and air supply means therefor, Pot type liquid. M. D. Huston. 2,382,419; Aug. 14.
Fuel composition. F. Elkan. 2,381,891; Aug. 14.
Fuel injection pump. A. T. Bremser. 2,382,000; Aug. 14.
Fuel injector. W. Harper, Jr. 2,382,151; Aug. 14.
Fuel pump. R. E. Grey and L. G. Burns. 2,382,412; Aug. 14.
Fungusproofing textiles. P. G. Benignus. 2,381,863; Aug. 14.
Fur wetting apparatus. J. Morgenstern. 2,382,089; Aug. 14.
Furnace. M. Frisch. 2,381,896; Aug. 14.
Fuse, Current limiting. C. G. Suits and G. F. Lincks. 2,382,271; Aug. 14.
Game, Baseball. D. H. Munro. 2,382,329; Aug. 14.
Game, Hockey. D. H. Munro. 2,382,328; Aug. 14.
Gamma-acetopropanol, Preparing. L. P. Kyrides and F. B. Zienty. 2,382,071; Aug. 14.
Garment, Aviator's. J. R. C. Quilter and J. Gregory. 2,382,816; Aug. 14.
Garment, Three-in-one. A. N. Carlu. 2,382,396; Aug. 14.
Gas blast electric circuit breaker. H. Trencham. 2,382,274; Aug. 14.
Gas-cleaning means and methods. G. W. Penney and R. A. Nielsen. 2,382,253; Aug. 14.
Gas testing method and apparatus. W. R. Calvert and B. E. White. 2,382,381; Aug. 14.
Gas turbine. J. S. Alford. 2,382,387; Aug. 14.
Gas turbine. J. S. Alford. 2,382,842; Aug. 14.
Gauge: *See*—
Carburetor ice warning gauge. — Liquid level gauge.
Force gauge. — Maximum pressure gauge.
Micrometer gauge.
Gauge. E. C. Horton. 2,382,633; Aug. 14.
Gauge and miter measuring device, Machinists. F. R. Newell. 2,382,250; Aug. 14.
Gauge for pipe bending machines. G. N. Simonsen. 2,382,266; Aug. 14.
Gauge with correction for temperature, Tank contents. C. A. de Giers. 2,382,695; Aug. 14.
Gauging apparatus. H. J. Landay and C. W. Warren. 2,382,885; Aug. 14.
Gear: *See*—
Speed reduction gear.
Gear for vehicles, Steering. S. H. Edge and E. Twemlow. 2,382,866; Aug. 14.
Gear mechanism, Speed varying. F. J. Rode and M. R. Hatch. 2,382,820; Aug. 14.
Gear pump. F. Egersdörfer. 2,382,701; Aug. 14.
Gearing, Differential. C. C. Barber. 2,382,846; Aug. 14.
Generator: *See*—
Steam generator.
Geometrical instrument. E. R. Douglass. 2,382,618; Aug. 14.
Geophysical surveys, Making. S. R. Phelan. 2,382,093; Aug. 14.
Glass composition. A. G. Pincus. 2,381,925; Aug. 14.
Glass transparent to far ultraviolet. H. P. Hood. 2,382,056; Aug. 14.
Glass, Window. W. E. Heckman. 2,382,566; Aug. 14.
Glass working machine. D. E. Gray. 2,382,052; Aug. 14.
Governor device, Centrifugally controlled. A. S. Howell. 2,382,228; Aug. 14.
Graining machine. H. W. Mackey. 2,382,324; Aug. 14.
Grating structures, Treatment of. H. S. Nagin. 2,382,898; Aug. 14.
Grenade thrower. C. Bustamante. 2,382,540; Aug. 14.
Guard, Press. J. B. Magin. 2,382,494; Aug. 14.
Guard, Punch press. R. R. Hodges. 2,382,316; Aug. 14.
Guide: *See*—
Drawer guide.
Guide, Drill. H. M. Kennard. 2,382,639; Aug. 14.
Gun of the wire feed type, Metal spray. A. P. Shepard and H. S. Ingham. 2,381,931; Aug. 14.
Gun, Rotary jet. E. N. Washburn. 2,382,685; Aug. 14.
Gun sight, Optical. C. J. Harasta. 2,382,631; Aug. 14.
Gunstock forming machine. D. B. and D. N. Salstrom. 2,382,102; Aug. 14.
Gunnery practice device. T. O. R. Dahlberg and K. M. Vigborg. 2,382,777; Aug. 14.
Hammock support. E. W. Anderegg. 2,382,528; Aug. 14.
Hand and means for actuating the same, Artificial. F. V. Eberle. 2,382,403–4; Aug. 14.
Hand-gripping tool. L. D. Clark. 2,382,606; Aug. 14.
Hanger: *See*—
Trouser hanger.
Harness, Loom. J. J. Kaufmann. 2,382,795; Aug. 14.
Hasp lock. R. S. Wagner and B. R. Thiele. 2,382,756; Aug. 14.
Hauling unit. L. R. Simmons. 2,382,449; Aug. 14.
Headstock. J. L. Connell. 2,382,608; Aug. 14.
Heat directing closure, Collapsible. S. T. Howard. 2,381,906; Aug. 14.
Heat exchanger, Outboard marine. R. W. Fernstrum. 2,382,218; Aug. 14.
Heater: *See*—
Automatic magazine feed solid fuel heater. — Forced draft heater.
Solar heater.
Heater arrangement. E. E. Hans. 2,382,712; Aug. 14.
Heating system, Vehicle. J. F. D. Smith. 2,382,340; Aug. 14.
Heel treating. K. W. Macdonald. 2,382,247; Aug. 14.
Helper drive. W. R. Harris. 2,382,415; Aug. 14.
Hinge pin, retainer pin, and the like provided with self-locking means. J. Martin. 2,382,166; Aug. 14.
Hoist, Propeller. P. J. Leaver and P. W. Matthews. 2,381,913; Aug. 14.
Hoisting means for sunken ships, Self-adjusting. C. M. Zoll. 2,382,840; Aug. 14.
Holder: *See*—
Absorbent holder. — Rotatable broach holder.
Brush holder. — Toilet paper roll holder.
Coupon holder. — Tool holder.
Holder for piezoelectric crystals. C. S. Cockerell. 2,382,366; Aug. 14.
Holding fixture for broaching machines, Work. O. W Bonnafe. 2,381,999; Aug. 14.
Holes, Drilling. J. A. Zublin. 2,382,933; Aug. 14.
Hook: *See*—
Stand hook.
Hook wall well packer. J. T. Phipps. 2,382,094; Aug. 14.
Horizon and bank indicator for aircraft trainers, Artificial. C. I. Baker. 2,381,872; Aug. 14.
Hose coupling. H. C. Krone and W. Meyer. 2,381,962; Aug. 14.
Housing, Motor. J. Leflar and V. L. Darnell. 2,381,914; Aug. 14.
Hub, Buffing wheel. H. E. Hargy, Sr. 2,382,479; Aug. 14.
Hydraulic brake. W. Stelzer. 2,382,268; Aug. 14.
Hydraulic brake booster. W. Stelzer. 2,381,989; Aug. 14.
Hydraulic coupling. W. T. Stephens. 2,382,114; Aug. 14.
Hydraulic drive. R. Obtresal. 2,381,923; Aug. 14.
Hydraulic fluids. J. C. Woodhouse and K. E. Walker. 2,382,931; Aug. 14.
Hydraulic gas compressor. G. C. Johnson and J. W. Hathaway. 2,382,421; Aug. 14.
Hydraulic media. T. R. Donlan. 2,382,698; Aug. 14.
Hydraulic press. P. E. Flowers, W. Ernst and H. F. MacMillin. 2,382,046; Aug. 14.
Hydrocarbon conversion process. E. Utterback. 2,382,371; Aug. 14.
Hydrocarbon conversion system. M. Sutton and C. W. Nysewander. 2,382,815; Aug. 14.
Hydrocarbon conversion with silica chromium oxide catalysts. R. F. Ruthruff. 2,382,582; Aug. 14.
Hydrocarbon distillates, Gelatination of. W. K. Griesinger. 2,382,144; Aug. 14.
Hydrocarbons, Conversion of. J. T. Pinkston, Jr. 2,382,910; Aug. 14.
Hydrocarbons, Extraction of. C. E. Welling. 2,382,119; Aug. 14.
Hydrocarbons, Isomerization of saturated. V. N. Ipatieff, and H. Pines. 2,382,881–2; Aug. 14.
Hydrocarbons, Recovering. F. E. Frey. 2,382,471; Aug. 14.
Hydrocarbons, Treatment of. J. G. M. Bremner, P. W. Reynolds and A. W. C. Taylor. 2,382,394; Aug. 14.
Hydrogen chloride-aluminum chloride hydrocarbon conversion processes. W. A. Proell and F. K. Ovitz. 2,382,814; Aug. 14.
Ignition system for pulverized coal burners. E. A. Holden. 2,382,483; Aug. 14.
Images on metal plates, Making. C. J. Staud. 2,382,674; Aug. 14.

Implement, Agricultural. W. G. Charley. 2,382,001; Aug. 14.
Impulse transmitter. R. C. Mathes. 2,381,978; Aug. 14.
Indicator: *See*—
Fore-and-aft draft indicator. Liquid level indicator.
Indicator. J. B. Malatesta, Jr. 2,382,495; Aug. 14.
Ink fountain and liner therefor. R. C. Sandman. 2,382,103; Aug. 14.
Ink, Hectograph printing. N. S. Knaggs. 2,382,796; Aug. 14.
Ink, printing, and article for use therewith, Printing. J. G. Curado. 2,382,861; Aug. 14.
Insulation clip. E. Gambo. 2,382,474; Aug. 14.
Intensification of the image of diazotype light sensitive layers on a transparent base. M. K. Reichel. 2,381,984; Aug. 14.
Interlocking system. F. G. da Roza and F. E. Hill. 2,382,611; Aug. 14.
Internal-combustion engine. J. Dusevoir. 2,382,006; Aug. 14.
Internal-combustion engine. F. Weinreb. 2,382,362; Aug. 14.
Interpolymerization products. H. Gudgeon and R. Hill. 2,382,629; Aug. 14.
Iodine in animal and poultry feeds, Stabilization of. C. W. Whitmoyer and W. J. Moore. 2,382,193; Aug. 14.
Ion exchange products and their preparation. R. Riley and F. C. Nachod. 2,382,334; Aug. 14.
Irish moss, Purification of. N. Blihovde. 2,382,286; Aug. 14.
Iron: *See*—
Electric iron. Soldering iron.
Iron articles, Making sintered powdered. A. L. Boegehold and R. H. Terry. 2,382,601; Aug. 14.
Iron ores, Method of and apparatus for direct reduction of. A. T. Cape, C. V. Foerster and H. L. Griswold. 2,382,395; Aug. 14.
Ironing board cover. H. E. Sunbury. 2,382,830; Aug. 14.
Jig, Drill. W. C. Williams. 2,381,943; Aug. 14.
Joint: *See*—
Stressed skin airfoil joint.
Joint for artificial limbs. Hinge. J. J. Tollman. 2,382,679; Aug. 14.
Kit for men, Toilet. M. Janchick. 2,382,061; Aug. 14.
Knife and manufacture thereof. C. Foltz and G. Davis. 2,382,304; Aug. 14.
Knitting machine. I. W. Grothey. 2,382,008; Aug. 14.
Knitting machine, Cotton's patent and other straight bar. W. A. Cooper. 2,382,544; Aug. 14.
Knockdown container. G. A. Britton. 2,381,874; Aug. 14.
Label. C. Mason. 2,382,736; Aug. 14.
Lacing construction for garments. M. Sarachek. 2,382,104; Aug. 14.
Lactic acid and salts thereof, Manufacture of. R. H. Lock. 2,382,889; Aug. 14.
Ladder, Railway car. J. K. Tully, L. Andersen, and B. E. Jones. 2,382,370; Aug. 14.
Laminating apparatus. R. J. Williams. 2,382,930; Aug. 14.
Lamp: *See*—
Fluorescent desk lamp. Ultraviolet lamp.
Lamp base remover. F. G. Phillips. 2,382,170; Aug. 14.
Lapping machine. R. Pash. 2,382,903; Aug. 14.
Latch. J. G. Joachim. 2,382,062; Aug. 14.
Latch. H. Quigley and H. Ter Meer. 2,382,663; Aug. 14.
Latch device for floors of baby yards. C. J. Schlemer. 2,382,585; Aug. 14.
Lathe center, Lubricated. W. H. Jones. 2,382,883; Aug. 14.
Lens, Telephoto. W. Schade. 2,382,669; Aug. 14.
Leveling system. F. G. Wellington. 2,382,525; Aug. 14.
Lifting device. W. S. Hickenlooper. 2,382,718; Aug. 14.
Light metal, Method and apparatus for recovering a. R. J. McNitt. 2,382,434; Aug. 14.
Lighting: *See*—
Fluorescent lighting.
Lime-containing raw materials, Treatment of. H. C. and E. K. Lee, and R. A. Schoenlaub. 2,382,886; Aug. 14.
Limonene, Preparation of. M. S. Kharasch and W. B. Reynolds. 2,382,641; Aug. 14.
Link, Detachable chain. H. St. Pierre. 2,382,344; Aug. 14.
Link, Fuse. C. W. Brown. 2,382,602; Aug. 14.
Links and ornamental fabric therefrom. E. W. Baggott. 2,381,860; Aug. 14.
Linoleum compositions. L. H. Dunlap. 2,382,212; Aug. 14.
Liquid dispenser equipment. T. A. Hutsell. 2,382,059; Aug. 14.
Liquid level follow-up device. P. T. Sprague. 2,382,516; Aug. 14.
Liquid level gauge. E. E. Van Ham. 2,382,946; Aug. 14.
Liquid level indicator. R. W. Blake. 2,382,377; Aug. 14.
Liquid treating method. G. C. Supplee, O. G. Jensen, and G. E. Flanigan. 2,382,033; Aug. 14.
Load-carrying member. M. Watter. 2,382,835; Aug. 14.
Loader. J. N. Fees. 2,381,892; Aug. 14.
Lock: *See*—
Automatic sculling oar lock. Hasp lock.
Revolver crank lock.
Lock nut device. A. A. Sargent, Jr. 2,381,936; Aug. 14.
Locking means for race horse starting gates. K. C. Goodman. 2,381,903; Aug. 14.
Log bunk. F. W. Chriswell. 2,382,002; Aug. 14.
Logging wells, Method and apparatus for. D. G. C. Hare. 2,381,904; Aug. 14.
Loom. S. P. Parker. 2,382,741; Aug. 14.
Loom construction. A. Fox and H. J. Dudley. 2,382,048; Aug. 14.
Louver, Slant roof. F. H. Leslie. 2,382,076; Aug. 14.
Louver, Vertical wall. F. H. Leslie. 2,382,075; Aug. 14.
Lubricant. F. B. Downing and H. M. Fitch. 2,382,781; Aug. 14.
Lubricant. E. Lieber. 2,382,730; Aug. 14.
Lubricant. J. B. Stucker. 2,382,115; Aug. 14.
Lubricant and preparing same. W. A. Whittier. 2,382,121; Aug. 14.
Lubricant manufacture. R. E. Darley. 2,382,694; Aug. 14.
Lubricating composition. J. F. Cook. 2,382,860; Aug. 14.
Lubrication. E. H. Kocher. 2,382,426; Aug. 14.
Lure, Fish. C. Wood. 2,382,595; Aug. 14.
M-cresol or p-cresol, Recovering substantially pure. K. H. Engel. 2,382,142; Aug. 14.
Machine for securing tags to bag strings. J. T. Dalton. 2,382,778; Aug. 14.
Magazine for automatic firearms. G. Ironside. 2,381,959; Aug. 14.
Magazine for automatic firearms. G. Webb. 2,382,926; Aug. 14.
Magnesium. H. Ford, E. E. Ensign, and A. C. Quinn. 2,382,047; Aug. 14.
Magnesium, Manufacturing. F. J. Hansgirg. 2,382,713; Aug. 14.
Magnetic materials. E. A. Nesbitt. 2,382,649–54; Aug. 14.
Magneto ignition device with interrupter for internal-combustion engines. W. Ochsenbein. 2,382,808; Aug. 14.
Mailbox. H. Logsdon. 2,382,645; Aug. 14.
Mailbox. A. Onos. 2,382,092; Aug. 14.
Manifold arrangement, Intake. W. G. Lundquist and E. H. Olson. 2,382,244; Aug. 14.
Manufacture of insoles. S. M. Griswold. 2,381,950–1; Aug. 14.
Manufacture of mineral wool. M. E. Callander. 2,382,290; Aug. 14.
Maps, Making flexible contour. A. G. Emery. 2,382,784; Aug. 14.
Material forming apparatus. J. T. Muller. 2,382,897; Aug. 14.
Material from roaster gases, Recovery of. C. W. J. Hedberg and H. L. Richardson. 2,382,565; Aug. 14.
Mattress border stitching machine. D. N. Kelly. 2,382,486; Aug. 14.
Mattress construction. S. Marsack. 2,382,496; Aug. 14.
Maximum pressure gauge. K. J. De Juhasz. 2,382,547; Aug. 14.
Measuring instruments, Electrical. A. G. Conrad. 2,382,295; Aug. 14.
Medicine dropper. L. E. Bowers. 2,382,771; Aug. 14.
Mercaptans from hydrocarbon oil, Removing. G. W. Ayers and L. M. Henderson. 2,381,859; Aug. 14.
Metal coatings, Method and apparatus for depositing vaporized. C. E. McManus and J. D. Elder. 2,382,432; Aug. 14.
Metal products, Manufacture of shaped. C. Cito. 2,382,384; Aug. 14.
Metals, Melting and refining ferrous. T. F. Baily. 2,382,534; Aug. 14.
Metals, Metal-coating. C. G. Fink. 2,382,868; Aug. 14.
Metering device, Maximum demand. P. Heynisch. 2,382,009; Aug. 14.
Methyl silicon polymers and preparation. R. R. McGregor and E. L. Warrick. 2,382,082; Aug. 14.
Micrometer gauge. U. Weiss and D. Leone. 2,382,759; Aug. 14.
Milling and marking machine. E. T. Nord. 2,381,921; Aug. 14.
Milling cutter. D. Seiter. 2,382,509; Aug. 14.
Milling machine, Thread. A. J. Prance. 2,382,662; Aug. 14.
Mineral oil, Compounded. F. W. Kavanagh, B. B. Farrington, and J. O. Clayton. 2,381,912; Aug. 14.
Mixer: *See*—
Thermostatic mixer.
Mold form. H. F. Hagemeyer. 2,382,053; Aug. 14.
Molded products from vegetable starting material, Manufacture of. A. Karim. 2,382,568; Aug. 14.
Molding apparatus. A. J. Brunner. 2,382,200; Aug. 14.
Molding trays, Method of and apparatus for. F. M. Curran. 2,382,004; Aug. 14.
Monoazo compounds. J. G. McNally and J. B. Dickey. 2,382,433; Aug. 14.
Morpholine compounds, Producing. W. H. Strain and J. B. Dickey. 2,381,935; Aug. 14.
Motion picture sound record. M. W. Seymour and W. D. Peterson. 2,382,670; Aug. 14.
Motor: *See*—
Fluid motor. Shaded-pole synchronous electric motor.
Reversing split-phase motor. Thermal motor.
Motor fuel, Manufacture of. H. R. Warrick. 2,382,117; Aug. 14.
Motor vehicle. F. R. McFarland. 2,382,246; Aug. 14.

Mounting: *See*—
Resilient mounting. Vacuum tube mounting.
Mounting for motion picture and sound projectors. A. F. Victor. 2,382,116; Aug. 14.
Mounting of small cannon in the wings and the like of aircraft. J. Martin. 2,382,325; Aug. 14.
Movie-sound machine, Coin controlled. J. F. Eakins. 2,382,470; Aug. 14.
Muffler. H. A. R. Klemm. 2,382,159; Aug. 14.
Multiple bit toolholder. K. P. Schoeppner. 2,382,106; Aug. 14.
Multiple lever tool. J. W. Geddes and T. Porter. 2,382,307; Aug. 14.
Multiply devices, Manufacture of. R. J. Peña. 2,382,169; Aug. 14.
Munitions. J. C. Whitesell, Jr. 2,382,277; Aug. 14.
Music character printing. D. L. Morrison. 2,382,804; Aug. 14.
Necktie support. A. London. 2,382,430; Aug. 14.
Needle threader. J. C. Lounsbury. 2,382,079; Aug. 14.
Neoprene, Plasticizing. L. H. Howland. 2,382,792; Aug. 14.
Net, Crab. H. C. Kramer. 2,382,319; Aug. 14.
Nipple piercing needle for nurseries. R. Stone and A. R. Levine. 2,382,032; Aug. 14.
Nitric oxide, Preparation of. M. H. Wahl. 2,382,189; Aug. 14.
Nitrocellulose, Treatment of. R. W. Cairns and R. L. Stern. 2,382,130; Aug. 14.
Nitrogenous condensation products of alkylene imines. H. Ulrich. 2,382,185; Aug. 14.
Nitroparaffins, Production of. N. Levy. 2,382,241; Aug. 14.
Norpolycyclopentadiene monohydrohalides. H. A. Bruson. 2,382,037; Aug. 14.
Note producing system in saxophones, High. V. Incagnoli. 2,382,880; Aug. 14.
Nozzle, Jet. R. W. Wilson. 2,382,688; Aug. 14.
Nut. P. Schüttler. 2,382,748; Aug. 14.
Nut and nut installation. H. J. Murphy. 2,382,942; Aug. 14.
Obstruction warning device. E. E. Frazier. 2,382,557; Aug. 14.
Oil beneficiation, Mineral. E. C. Hughes and W. E. Scovill. 2,381,907; Aug. 14.
Oil burner. C. E. Beyer. 2,382,463; Aug. 14.
Oil compositions, Slushing. G. W. Duncan. 2,382,699; Aug. 14.
Oil, Compounded lubricating. L. T. Eby. 2,382,700; Aug. 14.
Oil, Conversion of hydrocarbon. E. C. Lee. 2,382,239; Aug. 14.
Oil in water dispersions. L. Auer. 2,382,533; Aug. 14.
Oil resistant thermoplastic and making. D. J. Beaver. 2,382,462; Aug. 14.
Oils and vinyl compounds, Copolymerization of drying. L. H. Dunlap. 2,382,213; Aug. 14.
Oils, Conversion of hydrocarbon. W. M. Stratford. 2,382,270; Aug. 14.
Olefin recovery process. W. A. Schulze. 2,382,505–6; Aug. 14.
1-Methoxy-2-amino-4-nitro-5-methyl-benzene and making the same. M. S. Carpenter. 2,381,877; Aug. 14.
Open refrigerated display case. J. R. Caulk, Jr. and R. E. Davis. 2,382,937; Aug. 14.
Open retaining ring. L. Brozek. 2,382,948; Aug. 14.
Operation of internal-combustion engines with gas generators. E. Schimanek. 2,382,747; Aug. 14.
Optical adjustment. G. F. Rackett. 2,382,580; Aug. 14.
Optical surface, Treatment of. H. L. Penberthy. 2,382,660; Aug. 14.
Organic substances, Stabilization of. C. J. Pedersen. 2,382,904; Aug. 14.
Ordnance. R. J. Hochstetler. 2,382,225; Aug. 14.
Ordnance. J. C. Trotter. 2,382,522; Aug. 14.
Ores, Concentrating. K. F. Schilling, A. T. Cole, J. B. Duke, and W. M. Houston. 2,382,178; Aug. 14.
Ornaments such as Christmas trees and manufacture. C. S. Price. 2,382,746; Aug. 14.
Oscillator blanks, Manufacture of piezoelectric. M. Ramsay. 2,382,257; Aug. 14.
Oscillator-modulator circuit. W. Dällenbach, A. Allerding, and L. Huttmann. 2,382,693; Aug. 14.
Oscillator stabilizing circuit. W. P. Bollinger. 2,382,198; Aug. 14.
Outlet, Discharge. F. A. Cull. 2,382,468; Aug. 14.
Ovens, Charging coke. C. Otto. 2,382,810; Aug. 14.
Package. W. Mitchell, Jr. 2,382,368; Aug. 14.
Package of liquid material and container therefor. T. R. Baxter. 2,382,536; Aug. 14.
Packing machine, Fish. K. Kurzbin. 2,382,729; Aug. 14.
Pad: *See*—
Electric heating pad.
Pad for laundry and like presses, Fabric. E. L. Dawson and H. Taylor. 2,382,141; Aug. 14.
Panel and control mechanism therefor. W. H. Bishop and W. E. Clements. 2,381,966; Aug. 14.
Panty, Lady's. M. Goodman and D. Lance. 2,382,477; Aug. 14.
Paper mill affluent, Treatment of. P. Hodges. 2,382,010; Aug. 14.
Paper, Safety record. B. J. Staneslow. 2,382,828; Aug. 14.
Paper screw cap. C. W. Goodwin. 2,382,873; Aug. 14.
Paraffin hydrocarbons, Alkylation of branched chain. R. J. Newman. 2,382,899; Aug. 14.
Pasting machine, Grid. G. A. Donath. 2,382,367; Aug. 14.
Pattern effects on fabrics, Producing. G. Heberlein and E. Weiss. 2,382,416; Aug. 14.
Paving machine. C. W. P[illegible] 2,382,096; Aug. 14.
Pedal device, Accelerator. [illegible]. Rubissow. 2,382,918; Aug. 14.
Pen, Cartridge fountain. M. Gergely. 2,381,898; Aug. 14.
Pen, Fountain. E. E. Kratz. 2,382,070; Aug. 14.
Perforating apparatus and work placing device for same. G. F. Wales. 2,382,190; Aug. 14.
Periscopic viewing and sighting device. H. A. Husted. 2,381,909; Aug. 14.
Petroleum emulsions, Electrical dehydration of. W. Deutsch. 2,382,697; Aug. 14.
Petroleum hydrocarbons, Stabilization of. C. J. Pedersen and R. O. Bender. 2,382,905–6; Aug. 14.
Phenols, Manufacture of. F. Porter. 2,382,944; Aug. 14.
Phonograph. J. J. Antalek. 2,382,461; Aug. 14.
Phonograph switch. T. C. Riebe. 2,382,258; Aug. 14.
Phosphonamide. L. A. Hamilton. 2,382,309; Aug. 14.
Phosphorus containing plastic polymers from 1,3-dienes. J. L. Parker. 2,382,812; Aug. 14.
Photocell and filter combination. M. E. Fogle. 2,382,220; Aug. 14.
Photographic method. L. del Riccio. 2,382,616; Aug. 14.
Photographically recording the order of passage of moving objects. L. del Riccio. 2,382,617; Aug. 14.
Photomount and frame, Combined. E. G. Beikirch. 2,381,964; Aug. 14.
Physiotherapeutic apparatus. D. J. Alexander. 2,382,841; Aug. 14.
Pickling bath and preparing same, Ferrous metal. J. D. Ruys and A. Wachter. 2,382,336; Aug. 14.
Pigments, Manufacture of phthalocyanine. W. B. Reynolds and S. A. Scully. 2,382,441; Aug. 14.
Pipe lines, Treating. L. F. Scherer and J. A. South. 2,382,262; Aug. 14.
Pipe, Smoking. J. B. Giern. 2,382,627; Aug. 14.
Pipe thawing device. J. W. Simon. 2,382,512; Aug. 14.
Pitch control device, Automatic propeller. P. R. Lea. 2,382,072; Aug. 14.
Planchette. J. W. Sloper. 2,381,933; Aug. 14.
Plant extracts, Producing. O. Gisvold. 2,382,475; Aug. 14.
Plant growth stimulant. S. B. Mecca. 2,382,326; Aug. 14.
Planting spacer for flats. A. T. Groth. 2,382,221; Aug. 14.
Plaster, Self-opening, sound-absorbing. T. G. Gregory. 2,382,561; Aug. 14.
Plastic article and making the same, Synthetic. J. F. Motson. 2,382,806; Aug. 14.
Plastics and films and producing them, Synthetic. W. Laufenberg, E. Maslanka, and H. Weissenburger. 2,382,238; Aug. 14.
Plate handling device. L. J. Gaston, Jr., and J. W. Pick. 2,382,626; Aug. 14.
Play yard, Infant's. R. C. Bockus and H. J. Landry. 2,381,967; Aug. 14.
Plug: *See*—
Bridging plug.
Pneumatic control. F. C. Brammer and W. C. H. West. 2,382,853; Aug. 14.
Polishing and grinding device, Diamond. E. Rothauser. 2,382,099; Aug. 14.
Polymer of methylene dioxolane, Resinous. W. O. Kenyon and T. F. Murray, Jr. 2,382,640; Aug. 14.
Polymeric materials and producing the same, Rubberlike. H. W. Walker. 2,382,684; Aug. 14.
Polymers, Oxygenated organic. W. F. Gresham. 2,382,938; Aug. 14.
Positive displacement gear pump. S. R. Etnyre. 2,382,042; Aug. 14.
Power drive for window regulators. H. L. Hill. 2,382,791; Aug. 14.
Power transmission. E. L. Rose. 2,382,027; Aug. 14.
Power transmission system. J. W. Podesta. 2,382,023; Aug. 14.
Power transmitting apparatus. E. E. Wemp. 2,382,034; Aug. 14.
Power unit apparatus. E. A. Rockwell. 2,382,444; Aug. 14.
Power unit, Food mixer. V. C. Kennedy. 2,382,158; Aug. 14.
Precipitator. G. W. Penney and R. A. Nielsen. 2,382,254; Aug. 14.
Precision timer. E. Timbs. 2,382,833; Aug. 14.
Preparation of amino triazoles. D. W. Kaiser. 2,382,156; Aug. 14.
Preparation of chlorinated rubber compositions. L. Auer. 2,382,529; Aug. 14.
Press: *See*—
Forging press. Turret press.
Hydraulic press.
Pressure indicator for hack saws. W. H. Shortell. 2,381,988; Aug. 14.
Printer for lenticular color films. J. G. Capstaff and O. E. Miller. 2,382,604; Aug. 14.

Printing apparatus, Scale. F. R. Rott. 2,382,174; Aug. 14.
Printing compositions, Textile. J. R. Abrams. 2,381,868; Aug. 14.
Printing machine. C. H. Sand. 2,382,503; Aug. 14.
Printing mechanism. H. S. Beattie. 2,381,862; Aug. 14.
Printing telegraph apparatus. M. T. Goetz. 2,382,558; Aug. 14.
Producing unsaturation in hydrocarbons. B. H. Shoemaker and E. L. d'Ouville. 2,381,987; Aug. 14.
Production of anhydrous magnesium chloride. A. Belchetz. 2,381,994–5; Aug. 14.
Production of ethyl cellulose. H. Dreyfus. 2,381,972; Aug. 14.
Projectile game. F. C. Hamilton. 2,382,146; Aug. 14.
Projection screen stand. A. L. Raven. 2,382,025; Aug. 14.
Propeller. Controllable pitch. I. B. Humphreys. 2,382,229; Aug. 14.
Propeller mechanism. E. K. Benedek. 2,382,389; Aug. 14.
Propeller pitch control. W. J. Symons. 2,381,991; Aug. 14.
Propeller, Swivelling screw. W. A. Loth and S. M. H. Guyot. 2,382,431; Aug. 14.
Protective casing for textiles by the yard. W. Polgar. 2,382,332; Aug. 14.
Protective compositions, Bituminous. H. Schiller. 2,382,337; Aug. 14.
Protective layers on magnesium or its alloys, Production of oxidic. G. Elssner and E. Schroder. 2,382,702; Aug. 14.
Protective means for aircraft. E. H. Reiss. 2,382,817; Aug. 14.
Puller: *See*—
  Standing valve puller.
Pump: *See*—
  Bilge pump. Gear pump.
  Centrifugal pump. Positive displacement gear pump.
  Fuel injection pump.
  Fuel pump.
Pump. F. E. Brady, Jr. 2,382,539; Aug. 14.
Pump. J. F. Joy. 2,381,910; Aug. 14.
Pump. J. R. Lowry. 2,382,080; Aug. 14.
Pumping mechanism, Fluid. E. J. Svenson. 2,382,452; Aug. 14.
Punch. P. O. Unger. 2,382,523; Aug. 14.
Punch and die and retainer for same, Interchangeable. D. V. Stellin. 2,382,267; Aug. 14.
Pyrroles, Manufacture of substituted. M. A. T. Rogers. 2,382,915–17; Aug. 14.
Quick freezing apparatus. G. W. Mathews. 2,382,084; Aug. 14.
Racks: *See*—
  Folding clothes rack.
Radio reception, Method and apparatus for simultaneous aural and panoramic. M. Wallace and H. G. Miller. 2,381,940; Aug. 14.
Radio relaying system. C. W. Hansell. 2,382,414; Aug. 14.
Railway brake. C. L. Eksergian. 2,382,550; Aug. 14.
Rasp and making same, Buffing. L. A. Crocker. 2,382,209; Aug. 14.
Ray sight and film holder for X-ray machines. J. Homer. 2,382,484; Aug. 14.
Reactance tube circuit. F. G. Marble. 2,382,436; Aug. 14.
Reaction product and making same, Esterification. M. De Groote and B. Keiser. 2,382,612; Aug. 14.
Reaction products of aldehydes and diazine derivatives. G. F. D'Alelio and J. W. Underwood. 2,382,211; Aug. 14.
Reaction products of dienes and producing same. A. A. Miller and T. F. Bradley. 2,382,803; Aug. 14.
Reamer, Expansion. J. H. Gracey. 2,381,899; Aug. 14.
Receiver, Frequency modulation. G. L. Usselman. 2,382,590; Aug. 14.
Reclamation means, Energy. F. W. Gay. 2,381,947; Aug. 14.
Reclamation process. W. L. Hoff. 2,382,317; Aug. 14.
Recording instrument for oil wells. C. R. Dale. 2,382,609; Aug. 14.
Recording mechanism, Play eliminative. O. S. Carliss. 2,382,132; Aug. 14.
Reel. D. C. Hardie. 2,382,790; Aug. 14.
Reflector support. L. Schwarzmayr. 2,382,179; Aug. 14.
Refrigerated display case. W. W. Blair. 2,382,599; Aug. 14.
Refrigeration. P. P. Anderson, Jr. 2,382,123; Aug. 14.
Refrigeration apparatus. G. P. Marcy. 2,382,733; Aug. 14.
Refrigeration system for motor vehicles. W. Ryan, Jr., and A. C. Ratermann. 2,382,667; Aug. 14.
Register, Autographic. A. W. Metzner. 2,381,919; Aug. 14.
Register, Savings bond. K. M. Glasoe, Jr. 2,382,476; Aug. 14.
Regulator for washing machine tanks, Alkalinity. T. A. Martin. 2,382,648; Aug. 14.
Remote control system. J. H. Homrighous. 2,382,055; Aug. 14.
Reproducer, Mechanical-electrical sound. G. Courcy and M. P. Durand. 2,382,692; Aug. 14.
Resilient mounting. L. Wallerstein, Jr. 2,382,372; Aug. 14.
Resin acid lactone and its production. R. F. B. Cox. 2,382,545; Aug. 14.
Resin, Recovery of poly-glyceral. H. H. and C. S. Young, and P. Bradford. 2,382,764; Aug. 14.
Resinous materials and the production thereof. K. M. Thompson. 2,382,184; Aug. 14.
Resins and coating compositions containing them, Synthetic. H. S. Rothrock. 2,381,884; Aug. 14.
Resistors and making it. N. Y. Priessman. 2,382,024; Aug. 14.
Respiration and aspiration apparatus, Artificial. M. Dann. 2,382,610; Aug. 14.
Respirator locking means. W. Z. Whipple. 2,382,592; Aug. 14.
Reversing split-phase motor. C. E. and N. M. Sprague. 2,382,827; Aug. 14.
Revolver crank lock. W. L. Swartz. 2,382,676; Aug. 14.
Ridge counter appliance. N. A. Compton. 2,382,206; Aug. 14.
Rifling machine. G. End. 2,382,302; Aug. 14.
Ring: *See*—
  Adjustable carrier ring. Welding ring.
  Open retaining ring.
Rod connection, Sucker. J. W. Johnson. 2,382,422; Aug. 14.
Rollers for packaging machines, Sealing, crimping, and scoring. L. L. Salfisberg. 2,382,175; Aug. 14.
Rope, Luminous. R. F. Warren, Jr. 2,382,355; Aug. 14.
Rosin, Refining of. G. B. Arnold. 2,382,196; Aug. 14.
Rotary combustion engine. F. H. Rohr. 2,382,259; Aug. 14.
Rotatable broach holder. O. W. Bonnafe. 2,381,998; Aug. 14.
Roto-thrust converter. E. F. Sarver. 2,382,105; Aug. 14.
Rubber and fibrous material and making same, Composite. C. D. Mason. 2,382,248; Aug. 14.
Rubber, Chlorinating. H. L. Tomkinson. 2,382,353; Aug. 14.
Rubber, Chlorination of. E. B. Spaulding. 2,382,342; Aug. 14.
Rubber cushioning unit and making same. K. B. Kilborn. 2,382,569; Aug. 14.
Rubber, Vulcanization of. P. T. Paul. 2,382,813; Aug. 14.
Ruby glass, Selenium. C. R. Austin and J. D. Sullivan. 2,382,282; Aug. 14.
Safety for disk plow hangers. G. R. Ego. 2,381,973; Aug. 14.
Sash attachment, Window. A. Cipressi. 2,382,294; Aug. 14.
Scale, Engineer architect. W. D. Weeks and L. Kube. 2,382,758; Aug. 14.
Scale, Recording. S. Töth. 2,382,752; Aug. 14.
Scissors. F. A. Snell. 2,382,341; Aug. 14.
Scissors, Ripping. L. A. Amis. 2,382,281; Aug. 14.
Screen for baby pens. M. Berman. 2,382,851; Aug. 14.
Screw, Compound. E. A. Miller. 2,382,019; Aug. 14.
Sealing arrangement for centrifugal machines. E. Gente. 2,382,706; Aug. 14.
Seaming mechanism. W. Diezel. 2,382,469; Aug. 14.
Sear control mechanism for automatic firearms. H. Lippert. 2,381,916; Aug. 14.
Securing means. L. Brozek. 2,382,947; Aug. 14.
Selective control circuit. E. S. Purington. 2,382,097; Aug. 14.
Selector for automatic phonographs. M. W. Kenney and H. G. Jensen. 2,382,487–8; Aug. 14.
Selenium toner and making, Concentrated. W. V. Wadman and L. D. Butcher. 2,382,683; Aug. 14.
Self-cleaning filter. N. Obenshain and M. A. Sively. 2,382,656; Aug. 14.
Separating device, Continuous pressure. R. M. Thompson. 2,382,453; Aug. 14.
Separator: *See*—
  Battery separator. Egg separator.
Separators, Pilot valve for oil and gas. F. T. Haddock. 2,382,710; Aug. 14.
Sewing machine. J. Mann. 2,381,977; Aug. 14.
Shaded-pole synchronous electric motor. A. B. Poole. 2,382,333; Aug. 14.
Shaft seal assemblies, Manufacturing. A. A. McCormack. 2,382,245; Aug. 14.
Sharpener, Pencil. J. J. Lucas. 2,382,017; Aug. 14.
Sheet material, Method and apparatus for bending. W. H. Nobles. 2,382,807; Aug. 14.
Shelling and shredding machine, Corn. J. A. Erickson. 2,382,040; Aug. 14.
Shelves for deep refrigerators, Gliding. H. Kuckel. 2,382,160; Aug. 14.
Ship structure. E. F. Moroney. 2,382,499; Aug. 14.
Shipping and display, high pack container. J. A. McCormick. 2,382,891; Aug. 14.
Shock absorber, Friction. S. B. Haseltine. 2,382,563; Aug. 14.
Shock-absorbing means especially suitable for use with typewheels in printing apparatus. R. D. Salmon. 2,382,668; Aug. 14.
Shoe. E. Tambini. 2,382,272; Aug. 14.
Shutter, Automatic. C. C. Fuerst. 2,382,623; Aug. 14.
Shutter, Camera. C. C. Fuerst. 2,382,624; Aug. 14.
Signaling system. "R." L. Hollingsworth. 2,382,567; Aug. 14.

Silica chromium oxide catalytic materials. R. F. Ruthruff. 2,382,581; Aug. 14.
6-Amino nicotinamide derivatives. W. Braker and E. Tribyl. 2,381,873; Aug. 14.
Ski. C. P. Ruhme. 2,382,335; Aug. 14.
Ski-fitting. J. Eigenheer. 2,382,783; Aug. 14.
Ski, Water. J. M. Hartman. 2,382,150; Aug. 14.
Skin-covered structure, Metallic. M. Watter. 2,382,357; Aug. 14.
Skin fastener. D. A. Seaver and P. E. Fenton. 2,382,508; Aug. 14.
Skins to metallic structures, Applying metallic. M. Watter. 2,382,356; Aug. 14.
Slide operated fastener. G. Scher. 2,382,261; Aug. 14.
Smelting copper-lead drosses and the like. A. A. Collins. 2,381,970; Aug. 14.
Snatch block. A. G. Frankhouser. 2,382,049; Aug. 14.
Soap manufacture. L. Auer. 2,382,531; Aug. 14.
Soap products, Manufacture of. F. E. Joyce and E. J. Lindhardt. 2,382,063; Aug. 14.
Soaps, Manufacture of. L. Auer. 2,382,530; Aug. 14.
Solar heater. H. A. Kezer. 2,382,722; Aug. 14.
Soldering iron. S. Bergman. 2,382,390; Aug. 14.
Solenoid trip butterfly valve. D. W. Hopkins. 2,382,720; Aug. 14.
Sound film printing optical system. J. A. Maurer, Jr. 2,381,979; Aug. 14.
Sound film printing optical system. A. Offner. 2,381,980; Aug. 14.
Speed control, Multiple-unit. J. A. Spanogle. 2,381,934; Aug. 14.
Speed governing mechanism for metal spray guns of the wire feed type. A. P. Shepard and H. S. Ingham. 2,381,932; Aug. 14.
Speed reduction gear. E. W. Henry. 2,382,482; Aug. 14.
Spool or bobbin for supporting yarn, thread, cord or the like. H. L. Amrhein and H. J. Feeley. 2,381,870; Aug. 14.
Spray gun of the wire feed type, Metal. A. P. Shepard and H. S. Ingham. 2,382,111; Aug. 14.
Spring bar. D. Megar. 2,382,249; Aug. 14.
Spring nut member. W. A. Bedford, Jr. 2,382,936; Aug. 14.
Sprocket wheel. F. P. Noffsinger. 2,382,740; Aug. 14.
Stabilization of organic substances. L. Gubelmann. 2,381,952; Aug. 14.
Stabilizer, Furfural. R. L. Comstock and H. F. Reeves, Jr. 2,382,207; Aug. 14.
Stabilizer, Steering. V. Kinser. 2,382,424; Aug. 14.
Stand: *See*—
  Projection screen stand.
Stand hook. J. M. Blackmon and J. F. Le Gere. 2,382,852; Aug. 14.
Standing valve puller. R. R. Renouf. 2,382,173; Aug. 14.
Starter, Hydraulic. H. Molly. 2,382,437; Aug. 14.
Steam generator. G. Sanders. 2,382,176; Aug. 14.
Steam turbine. E. Gente. 2,382,705; Aug. 14.
Steatite-type body and producing same. H. L. Crowley and A. M. Hossenlopp. 2,382,137; Aug. 14.
Steel, Copper bearing stainless. R. H. Thielemann. 2,382,273; Aug. 14.
Steel hardened article, Fine-grained. W. Crafts. 2,382,467; Aug. 14.
Steels and articles of manufacture produced therefrom, Beryllium cobalt alloy. E. G. Touceda and R. P. De Vries. 2,382,680; Aug. 14.
Steels, Hardenable. W. Crafts. 2,382,466; Aug. 14.
Steering device, Automatic. A. Kronenberger. 2,382,727; Aug. 14.
Stoker apparatus. S. H. Chapman. 2,382,293; Aug. 14.
Stone and making, Synthetic. P. W. Jones and J. W. Swezey. 2,382,154; Aug. 14.
Stove or furnace construction. E. M. Franklin. 2,382,785; Aug. 14.
Strainer bags, Detachably mounting. A. M. Goodloe and L. A. Kisch. 2,381,949; Aug. 14.
Strand handling apparatus. G. C. Spillman. 2,382,922; Aug. 14.
Stressed skin airfoil joint. M. Watter. 2,382,358; Aug. 14.
Strip server. T. R. Gautier and R. W. Hoitt. 2,382,787; Aug. 14.
Strontium oxide, Manufacture of. J. B. Pierce, Jr. 2,382,909; Aug. 14.
Structural connection, Flexible welded. E. Scheyer. 2,382,584; Aug. 14.
Structural element. P. J. Corbin. 2,382,208; Aug. 14.
Structural material and making it, Artificial. P. W. Jones and J. W. Swezey. 2,382,155; Aug. 14.
Structural section for flexible welded connections. E. Scheyer. 2,382,583; Aug. 14.
Submarine foundation. G. L. Young. 2,382,763; Aug. 14.
Suction cleaning apparatus. C. H. Taylor. 2,382,348; Aug. 14.
Suction cup. P. E. Eckman. 2,382,405; Aug. 14.
Sulphones of the aromatic series and making the same. R. Tschiesche. 2,382,924; Aug. 14.
Sulphur nitride, Preparation of. M. H. M. Arnold and W. E. Perry. 2,382,845; Aug. 14.
Sulphur trioxide and catalyst therefor, Making. D. M. Hurt and C. A. Rohrmann. 2,381,908; Aug. 14.
Support: *See*—
  Conduit or pipe support. Reflector support.
  Hammock support. Telephone support.
  Necktie support.
Support for lathes, Work. L. M. Holtz. 2,381,956; Aug. 14.
Support for water skis, Heel. J. M. Hartman. 2,382,149; Aug. 14.
Surface hardening and tempering of metal, Progressive. S. Smith. 2,382,515; Aug. 14.
Surfacing machine. R. B. Mentzer. 2,382,940; Aug. 14.
Switch: *See*—
  Electric switch. Phonograph switch.
Switch manipulator, Decorative. H. E. Moyses. 2,382,738; Aug. 14.
Switch operating device. B. Schoenberg. 2,382,823; Aug. 14.
Synthesis of ethers of vitamin A. N. A. Milas. 2,382,086; Aug. 14.
Synthesis of vitamin A. N. A. Milas. 2,382,085; Aug. 14.
Table: *See*—
  Chiropractic adjustment table. Dining table.
  Editing table.
Take-up for twist lace machines. A. E. Hunter. 2,382,230; Aug. 14.
Tank: *See*—
  Underground storage tank
Tanning solutions and making and using the same, Chrome. H. B. Channon. 2,382,204; Aug. 14.
Tape, Method and apparatus for dispensing gummed. R. E. Engberg. 2,382,406; Aug. 14.
Target, Bombing. P. J. Rich and J. W. Griesinger. 2,382,442; Aug. 14.
Target release device, Airplane tow. A. E. Brickman. 2,382,854; Aug. 14.
Telegraph perforator-transmitter. R. D. Parker and A. Weaver. 2,382,251; Aug. 14.
Telegraph switching system. D. E. Branson. 2,382,128; Aug. 14.
Telegraphic transmission apparatus. H. E. Brain. 2,382,127; Aug. 14.
Telemetric device. O. R. Miller. 2,381,920; Aug. 14.
Telephone support. A. J. Balkins. 2,382,125; Aug. 14.
Telephone system. B. McKim and O. Myers. 2,382,893; Aug. 14.
Terminal, Spark plug. E. Mosthaf. 2,382,805; Aug. 14.
Textile printing pastes and textiles produced therefrom. N. S. Cassel. 2,381,878; Aug. 14.
Thermal motor. L. A. Whitney and A. C. Kidder. 2,382,928; Aug. 14.
Thermocouple mounting for furnaces. W. B. Levy. 2,382,888; Aug. 14.
Thermoplastic compositions and making same, New. G. D. Martin. 2,382,497; Aug. 14.
Thermostat control circuit. T. J. Lehane and E. H. Burgess. 2,382,073; Aug. 14.
Thermostatic mixer. H. Barnett. 2,382,283; Aug. 14.
Thickener apparatus. J. H. V. Finney. 2,382,409; Aug. 14.
Thread. F. Feron. 2,382,704; Aug. 14.
Timber load carrying member. J. R. Burke, H. L. Worthington, and G. Runciman. 2,382,201; Aug. 14.
Tire bead former. F. J. Shook. 2,382,672; Aug. 14.
Tires, Manufacturing. F. Kovacs. 2,382,068; Aug. 14.
Tires, Recapping vehicle. L. A. Stephens and I. W. Lederer. 2,382,269; Aug. 14.
Toasting device. H. H. Buttner. 2,382,380; Aug. 14.
Toilet paper roll holder. V. F. Olson. 2,382,659; Aug. 14.
Tongs, Automatic ingot. J. H. Hopkins and E. H. Kendall. 2,382,227; Aug. 14.
Tongs, Extracting. F. W. Hadley. 2,382,145; Aug. 14.
Tool: *See*—
  Adjustable supporting tool. Cutting-off tool.
  Boring tool. Extensible hand tool.
  Compressed air operated rotary tool. Hand-gripping tool.
  Crimping tool. Track maintenance tool.
  Trapper's tool.
Tool for bridging plugs, Setting. D. E. Batchelder. 2,382,770; Aug. 14.
Tool for making electrical connections. V. E. Carlson. 2,382,292; Aug. 14.
Tool holder. E. T. Pringle, Jr. 2,382,911; Aug. 14.
Tools, Manufacture of diamond. I. A. Rohrig and N. A. Kerstein. 2,382,666; Aug. 14.
Top for automobiles, Collapsible. F. Humer. 2,382,635; Aug. 14.
Torpedo. M. I. Hull. 2,382,058; Aug. 14.
Torpedo, Marine. F. J. Wires. 2,382,593; Aug. 14.
Toy. E. Valenti. 2,382,186; Aug. 14.
Toy, Animal. H. W. Beaver. 2,382,537; Aug. 14.
Toy, Animated. D. E. Gumb. 2,382,630; Aug. 14.
Toy excavator. E. C. Streater. 2,382,346; Aug. 14.
Toy helicopter. E. C. Streater. 2,382,347; Aug. 14.
Toy oil-pumping rig. G. W. Eichelberger, Jr. 2,382,782; Aug. 14.
Toy projectile-shooting gun. A. N. Smith and D. V. Godfrey. 2,382,514; Aug. 14.
Toy, Wheeled figure. C. S. Olson. 2,382,091; Aug. 14.
Track maintenance tool. J. G. Schaeufele. 2,382,447; Aug. 14.

Traction wheel. N. H. Nelson. 2,382,090; Aug. 14.
Translating device. B. B. Bauer. 2,381,861; Aug. 14.
Transmission and control mechanism, Machine tool. J. B. Armitage. 2,382,934; Aug. 14.
Transmission line termination, Concentric. H. B. Fancher. 2,382,217; Aug. 14.
Transmitter, Impulse. H. J. Oyler. 2,382,501; Aug. 14.
Transmitting system, Television. A. N. Goldsmith. 2,381,901–2; Aug. 14.
Transparent mixture. T. Cordero. 2,382,398; Aug. 14.
Transportable gun mount. M. Walter. 2,382,836; Aug. 14.
Trap: *See*—
Waste pipe trap.
Trapper's tool. G. M. Coffin. 2,382,774; Aug. 14.
Treating wire for belt manufacture. E. L. Lucas and M. A. Crosby. 2,382,081; Aug. 14.
Trigger mechanism. J. C. Garand. 2,382,410; Aug. 14.
Trihalo-tetrahydronorpolycyclo-pentadienes. H. A. Bruson. 2,382,038; Aug. 14.
Trinitrotoluene, Manufacture of. F. S. Chambers, Jr., and C. A. Woodbury. 2,382,133; Aug. 14.
Trouser hanger. R. H. Wollin. 2,382,459; Aug. 14.
Truck. W. E. Burbank and D. H. Mitchell. 2,382,856; Aug. 14.
Truck, Hand. G. L. Austin. 2,381,858; Aug. 14.
Tub, Collapsible foot. S. O. Jacks. 2,382,637; Aug. 14.
Tube or hollow core for packages of yarn and the like, Cop. H. L. Amrhein and E. E. Fuller. 2,381,869; Aug. 14.
Tubing, Laminated. J. N. Tynan. 2,382,834; Aug. 14.
Tuning system, Oscillator. H. L. Donley. 2,382,615; Aug. 14.
Turbine electric drive, Marine. A. F. Schwendner. 2,382,507; Aug. 14.
Turbine system. J. S. Haverstick. 2,382,564; Aug. 14.
Turn button fastener. H. J. Murphy. 2,382,943; Aug. 14.
Turntable for phonographs and sound recorders. V. L. Roberts. 2,381,927; Aug. 14.
Turner, Log. J. A. Weber. 2,382,837; Aug. 14.
Turning device for the wheels of an aircraft landing gear. J. M. Johnson and F. M. Straka. 2,382,321; Aug. 14.
Turret control. L. S. Sherrick, E. J. Farkas, and E. Nador. 2,382,110; Aug. 14.
Turret press. W. Ernst. 2,382,041; Aug. 14.
2-substituted furan-3,4-dicarboxylic acids and their corresponding saturated analogues. K. Hofmann. 2,382,418; Aug. 14.
Ultraviolet lamp. E. L. Koch. 2,382,939; Aug. 14.
Underground storage tank. E. S. Pomykala. 2,382,171; Aug. 14.
Underreamer, Rotary. E. Koppl and F. W. Harris. 2,382,725; Aug. 14.
Universal demodulator for frequency amplitude modulation. E. H. Lange. 2,382,014; Aug. 14.
Universal shoe fixture for orthopedic attachments. N. Rosenthal. 2,382,821; Aug. 14.
Unloader, Furnace. F. H. Loftus. 2,382,491; Aug. 14.
Unloading machine. W. V. Inman. 2,381,958; Aug. 14.
Unsaturated bodies from hexose oxidation products, Production of. W. F. Koch. 2,382,425; Aug. 14.
Urinal, Female. M. Wells. 2,382,276; Aug. 14.
Utensil, Food separating. E. B. Havas. 2,382,222; Aug. 14.
Vacuum tube mounting. R. B. Hoffman. 2,381,905; Aug. 14.
Valve: *See*—
Antisiphon ball cock Solenoid trip butterfly valve. valve.
Valve for washing machines and the like, Drain. L. M. Harvey. 2,382,562; Aug. 14.
Valve positioner. C. B. Moore. 2,382,941; Aug. 14.
Valve structure. H. H. Lamar. 2,382,235; Aug. 14.
Valve structure for storage tanks for volatile liquids, Relief. P. M. Elliott. 2,382,555; Aug. 14.
Variable grid circuit. J. W. Mann and G. F. Russell. 2,382,435; Aug. 14.
Vat and sulphur dyes, Oxidation of. G. P. Vincent and A. L. Dubeau. 2,382,188; Aug. 14.
Vehicle: *See*—
Motor vehicle.
Vehicle body construction. G. Trautvetter. 2,382,923; Aug. 14.
Vehicle body, Insulated. R. H. Moore. 2,381,981; Aug. 14.
Vehicle brake. F. Scott. 2,382,180; Aug. 14.
Vending machine. B. A. Babel. 2,382,197; Aug. 14.
Vessel connections, Forming lined pressure. G. D. Ebbets. 2,381,890; Aug. 14.
Vinylacetylene purification. C. K. Buell. 2,382,603; Aug. 14.
Visualizer, Foot. A. S. Cameron. 2,382,131; Aug. 14.
Wall cabinet. N. B. Wales. 2,382,354; Aug. 14.
Wall or ceiling covering. L. F. Urbain. 2,382,456; Aug. 14.
Wall, Railway car. J. S. Swann. 2,382,519; Aug. 14.
Warping machine. T. E. Carlson. 2,382,465; Aug. 14.
Warping machine. G. Wiggermann. 2,382,760; Aug. 14.
Waste pipe trap. J. W. Richards. 2,382,912; Aug. 14.
Watch, Waterproof. E. Kupchick. 2,382,728; Aug. 14.
Water heater control system. C. M. Osterheld. 2,382,575; Aug. 14.
Water, Method and apparatus for treating. J. P. Lawlor. 2,382,490; Aug. 14.
Web pasting apparatus. R. J. Williams. 2,382,929; Aug. 14.
Weft beat-up mechanism of looms for weaving. D. W. Shimwell. 2,382,511; Aug. 14.
Welding ring. C. F. Robie. 2,382,098; Aug. 14.
Welding rod container. E. C. Young. 2,382,932; Aug. 14.
Well conditioning apparatus. M. Schlumberger. 2,381,929; Aug. 14.
Wheel: *See*—
Sprocket wheel. Traction wheel
Wheel assembly. I. R. Trevisan. 2,382,589; Aug. 14.
Wheel assembly, Dual. C. S. Ash. 2,381,857; Aug. 14.
Winding apparatus, Core. L. Stastney. 2,382,451; Aug. 14.
Window construction. J. I. Levyn. 2,382,162; Aug. 14.
Window sash control device. N. C. Leidgen. 2,381,976; Aug. 14.
Wire stranding machine creel. H. E. Kuehn. 2,382,884; Aug. 14.
Wood impregnation. G. Wood. 2,382,374; Aug. 14.
Wool nonfelting, Rendering. F. A. Hessel and J. B. Rust. 2,382,632; Aug. 14.
Wrap mechanism, Tight-loose. T. Jensen. 2,382,420; Aug. 14.
Wrapper for wound filamentary masses. F. A. Decker, Jr., and L. Spangler. 2,382,400; Aug. 14.
Wrecking bar. M. Tabellione. 2,382,831; Aug. 14.
Wrench. A. C. Leisenring. 2,382,074; Aug. 14.
Wringer. H. H. Beasley. 2,382,388; Aug. 14.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 14, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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THE

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August 21, 1945

Trade-Marks	226	No. 415,845 to No.	416,070, inclusive.
T. M. Renewals	91		
Reissues	3	No. 22,667 to No.	22,669, inclusive.
Patents	485	No. 2,382,951 to No.	2,383,435, inclusive.
Designs	85	No. 142,208 to No.	142,292, inclusive.
Total	890		

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Notice re Public Law No. 239

Amendment to Regulations for Filing Applications for Patents and Amendments in Foreign Countries under Public 239 of the 77th Congress.

The following regulation 17 is added:

17. *Extension of Licenses.* Whenever a license to file an application in a foreign country has heretofore been granted or is hereafter granted by the Commissioner of Patents, under the provisions of Public Law 239, 77th Congress, Approved August 21, 1941 (55 Stat. 657: 35 U. S. C. 42a), the license is, in each case, hereby revived, renewed and extended to additionally empower the licensee under authority of said license, to forward all duplicate and formal papers to the foreign country and to make all amendments necessary for the prosecution of such application, excluding supplements and continuances originating in this country which disclose inventions, modifications or variations not disclosed in the application authorized under the license. Licensee should apply to the envelope in which material is forwarded to the foreign country under this additional authority, the legend "License No. ——— Commissioner of Patents", inserting the number of the license.

CONDER C. HENRY,
Acting Commissioner of Patents.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., July 13, 1945.*

Stevens Pharmacal Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Rose B. Caldwell, 66 East Walton St., Chicago, Illinois, for registration of a trade-mark and trade-mark registered January 4, 1927, No. 222,689, to Stevens Pharmacal Co., of 4750 Sheridan Road, Chicago, Illinois, and the notice of such proceeding sent by registered mail to said Stevens Pharmacal Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Stevens Pharmacal Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Acting Commissioner.

Notice

The Classification Division, the Design Division, and those units of the Manuscript Division engaged in reproduction work and in the preparation of records for court use, have been transferred from Richmond, Va., and are now located in the Washington Office.

Condition of Applications Under Examination at Close of Business August 4, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,981; Trade-Mark Division, 2,764. Oldest new case, Aug. 18, 1944; oldest amended, Aug. 9, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 1	Nov. 17	1031
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 14	Sept. 18	1239
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 3	Nov. 2	1261
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 9	Dec. 5	956
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Aug. 18	Aug. 9	1706
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 4	Dec. 11	1182
7. JARBOE, C. G., Optics, Photography	†Mar. 7	†Mar. 10	975
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 19	†Feb. 6	1009
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 18	Oct. 18	1143
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 14	†Mar. 22	346
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 11	Sept. 19	1374
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Nov. 4	Nov. 7	973
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Feb. 2	†Jan. 20	812
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Feb. 13	†Jan. 11	860
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 24	†Jan. 20	818
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 24	Sept. 28	647
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Nov. 27	Oct. 21	1139
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Nov. 4	Nov. 4	704
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 18	†Feb. 6	741
21. THOMPSON, T. J., Textiles	†Feb. 27	†Jan. 19	475
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 9	Dec. 9	1359
23. LEWIS, J. B., Cash Registers; Calculators (part)	Dec. 22	Dec. 7	148
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 2	†Feb. 3	833
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 10	Dec. 9	972
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 24	Oct. 20	1177
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 18	1058
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Sept. 26	Sept. 16	995
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Nov. 1	Oct. 26	1149
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 18	Dec. 11	1239
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Mar. 13	†Mar. 14	775
32. LESH, KARL R. Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Jan. 22	†Feb. 12	925
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Dec. 29	Dec. 26	1117
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Nov. 28	Nov. 9	650
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 27	Oct. 24	967
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Dec. 2	Nov. 27	743
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 20	Sept. 18	1108
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Nov. 7	Nov. 11	872
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 13	Oct. 28	1236
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 29	Dec. 7	1430
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Nov. 14	534
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 26	†Jan. 26	649
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 2	Nov. 6	793
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 25	Aug. 26	674
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 9	Nov. 10	1278
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 2	Nov. 22	748
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Feb. 3	†Jan. 15	1101
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 17	Nov. 17	1217
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 7	†Feb. 1	689
50. LEVIN, SAMUEL, Synthetic Resins	†Jan. 4	†Jan. 4	1483
51. CROCKER, A. W., Radiant Energy; Modulators	Nov. 17	Nov. 20	1823
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 4	Oct. 25	1554
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1273
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Aug. 31	Aug. 30	1312
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Dec. 29	Dec. 23	895
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 9	Oct. 24	1007
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Oct. 28	Oct. 25	1041
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Feb. 10	†Jan. 30	743
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 16	Sept. 29	1413
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 4	Nov. 1	1116
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 18	1064
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 28	Oct. 3	1858
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 19	Oct. 26	1415
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 27	†Mar. 28	763
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 20	Sept. 23	1309
TRADE-MARKS: RICHMOND, F. A.	†May 1	†June 8	2764
DESIGNS: KALUPY, H. H.	†May 24	†June 18	1085

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

HARTFORD-EMPIRE CO., F. GOODWIN SMITH, BARTLETT ARKELL, ET AL.
v.
THE UNITED STATES OF AMERICA

CORNING GLASS WORKS, EMPIRE MACHINE CO., ALEXANDER D. FALCK, ET AL.
v.
THE UNITED STATES OF AMERICA

OWENS-ILLINOIS GLASS CO., WILLIAM E. LEVIS, E. F. MARTIN, ET AL.
v.
THE UNITED STATES OF AMERICA

HAZEL-ATLAS GLASS CO., J. HARRISON McNASH, WALTER H. McCLURE, ET AL.
v.
THE UNITED STATES OF AMERICA

THATCHER MANUFACTURING CO., H. C. MANDEVILLE, R. W. NIVER, ET AL.
v.
THE UNITED STATES OF AMERICA

LYNCH CORPORATION, THOMAS CHANDLER WERBE, E. G. BRIDGES, ET AL.
v.
THE UNITED STATES OF AMERICA

BALL BROTHERS CO., FRANK CLAYTON BALL, GEORGE A. BALL, ET AL.
v.
THE UNITED STATES OF AMERICA

GLASS CONTAINER ASSOCIATION OF AMERICA, INC., CHARLES R. STEVENSON, AND EMORY G. ACKERMAN
v.
THE UNITED STATES OF AMERICA

ISAAC J. COLLINS
v.
THE UNITED STATES OF AMERICA

T. C. FULTON, W. V. FISHER AND J. D. DILWORTH
v.
THE UNITED STATES OF AMERICA

Nos. 2–11. Decided January 8, 1945.

[323 U.S. 386; 64 USPQ 18]

1. ANTITRUST LAWS—VIOLATION.

The individual appellants, Collins, Fulton, Fisher, and Dilworth, absolved; but the district court's findings and conclusions that the corporate appellants combined in violation of the Sherman Act, that Hartford and Lynch contracted in violation of the Clayton Act, and that the other individual appellants participated in the violations in their capacities as officers and directors of the corporations, affirmed.

2. SAME—SAME—INJUNCTION.

"The Sherman Act provides criminal penalties for its violation, and authorizes the recovery of a penal sum in addition to damages in a civil suit by one injured by violation. It also authorizes an injunction to prevent continuing violations by those acting contrary to its proscriptions. The present suit is in the last named category and we may not impose penalties in the guise of preventing future violations. This is not to say that a decree need deal only with the exact type of acts found to have been committed or that the court should not, in framing its decree, resolve all doubts in favor of the Government, or may not prohibit acts which in another setting would be unobjectionable. But, even so, the court may not create, as to the defendants, new duties, prescription of which is the function of Congress, or place the defendants, for the future, 'in a different class than other people,' as the Government has suggested. The decree must not be 'so vague as to put the whole conduct of the defendants' business at the peril of a summons for contempt'; enjoin 'all possible breaches of the law'; or cause the defendants hereafter not 'to be under the protection of the law of the land.'"

3. SAME—SAME—SAME.

The concession by the Government that the decree entered by the district court should be modified to eliminate a paragraph which generally enjoins the appellants from violations "as charged in the complaint," *Held* required by the Clayton Act, the Federal Rules of Civil Procedure, and the decisions of the Supreme Court.

4. SAME—SAME—EXERCISE OF PATENT RIGHTS—LEASE—SALE.

With respect to paragraphs 21, 22, and 23 of the decree entered by the district court, which apply to the corporate defendants and to any of the individual defendants who shall engage in the business of distributing glassware machinery, and forbid any disposition or transfer of possession of patented glassware machinery by any means other than an outright sale, and require Hartford to offer in writing to sell each of the lessees all the machinery under lease to such lessee at a reasonable price to be fixed in consideration of the fees and royalties already paid, any dispute as to price to be settled by the court, *Held* that said paragraphs should be eliminated because the provisions in effect confiscate considerable portions of the appellants' property, and go beyond what is required to dissolve the combination and prevent future combinations of like character.

5. SAME—SAME—SAME—SAME—SAME.

"It is to be borne in mind that the Government has not, in this litigation, attacked the validity of any patent or the priority ascribed to any by the Patent Office, nor has it attacked, as excessive or unreasonable, the standard royalties heretofore exacted by Hartford. Hartford has reduced all of its royalties to a uniform scale and has waived and abolished and agreed to waive and abolish all restructions and limitations in its outstanding leases so that every licensee shall be at liberty to use the machinery for the manufacture of any kind or quantity of glassware comprehended within the decree. Moreover, if licenses or assignments by any one of the corporate defendants to any other still contain any offensive provision, such provision can, by appropriate injunction, be cancelled, so that the owner of each patent will have unrestricted freedom to use and to license, and every licensee equally with every other will be free of restriction as to the use of the leased or licensed machinery, method or process, or the articles manufactured thereon or thereunder."

6. SAME—SAME—FORFEITURE OF PATENTS.

Held that a patent is property, protected against appropriation both by individuals and by government; that in recognition of this quality of a patent the courts, in enjoining violations of the Sherman Act arising from the use of patent licenses, agreements, and leases have abstained from action which amounted to a forfeiture of the patents; that such forfeiture is not justified by the decisions in *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U.S. 488, 536 O.G. 3, and *B. B. Chemical Co.* v. *Ellis*, 314 U.S. 495, 535 O.G. 683, which merely apply the doctrine that, so long as the patent owner is using his patent in violation of the antitrust laws, he cannot restrain infringement of it by others; and that lower federal courts have rightly refused to extend the doctrine of those cases to antitrust decrees by inserting forfeiture provisions.

7. PATENTS—OWNERSHIP—OPTIONS ENJOYED BY OWNER.

The owner of a patent *Held* to have always enjoyed the options of setting a price for its use by others, electing to use it himself and refusing to license it, or retaining it and neither using nor licensing it.

8. ANTITRUST LAWS—VIOLATION—PATENTS—LICENSING.

In regard to paragraph 24 of the decree entered by the district court, which enjoins each of the corporate and individual appellants from engaging in the distribution of machinery used in glass manufacture or in the distribution of glassware in interstate commerce unless each files with the court an agreement (*a*) to license, without royalty or charge of any kind, and for the life of all patents, any applicant to make, to have made for it, and to use any number of machines and methods embodied in inventions covered by any patent or patent application presently owned or controlled by such defendant; (*b*) to license, at a reasonable royalty, any applicant to make, have made for it, and to use any number of machines and methods in the manufacture of glassware embodying inventions covered by patents subsequently applied for or owned or controlled by any defendant; (*c*) to make available to any licensee, under "(*a*)" and "(*b*)", at cost, plus a reasonable profit, all drawings and patterns "relating to the machinery or methods used in the manufacture of glassware" embodied in the licensed inventions, *Held* that paragraph 24(*a*) should be modified to permit the reservation of reasonable royalties and its provisions should be restricted to feeders, formers, stackers and lehrs and patents covering these or improvements of them, or methods or processes used in connection with them; that paragraph 24(*b*) should be limited in respect of future applications and resulting patents or patents subsequently acquired by assignment, to those covering feeders, formers, stackers and lehrs, or parts thereof or improvements thereon, and methods and processes involved in their construction or operation; and that paragraph 24(*c*) should be deleted.

9. SAME—SAME—SAME—SUITS FOR INFRINGEMENT.

"In view of the nature of the conspiracy found, an injunction should go against the further prosecution of all infringement suits pending at the date this suit was brought."

10. SAME—SAME—SAME—LICENSING.

"Paragraph 29 should be amended to permit any appellant, corporate or individual, to retain and refuse to license, to use and refuse to license, or to license with restrictions, any patent hereafter applied for or acquired except those applicable to feeders, formers, stackers and lehrs and processes and methods applicable thereto."

11. SAME—SAME—ACQUISITION OF STOCKS AND BONDS.

"The decree should be modified to prohibit acquisition of stocks or bonds of any corporate appellant by any other such appellant, and to prohibit only the acquisition of a measure of control through ownership of stocks or bonds or otherwise, by any individual in a company competing with that with which he is officially connected or a subsidiary or affiliate of such competing company."

12. SAME—SAME—TRADE ASSOCIATION.

Where the record showed that the Glass Container Association of America furnished forecasts of probable future production of each of the glass manufacturers concerned, these forecasts were communicated at meetings of the association by one manufacturer to another so that there was general knowledge amongst the members of the forecasted future production of each of them, and the forecasts were treated as in fact quotas; and that the association, working in close cooperation with Hartford, which was not a member, endeavored to discourage expansion of the industry and to prevent increased competition through the entry of new units into the various fields of manufacture of glass containers, *Held* that it would be "better to order its dissolution, and to provide that the corporate defendants be restrained for a period of five years from forming or joining any such trade association, and that thereafter they may apply for leave to do so, and have such leave on showing to the court that the purposes and activities of the proposed body will not be violative of law."

13. SAME—SAME—PATENTS—ACQUISITION OF RIGHTS.

In the respect that paragraph 51 of the decree entered by the district court would seem to prohibit the acquisition of any patent, or of a restricted license under any patent by any defendant, *Held* that the paragraph is inappropriate to restrain future violations of the antitrust statutes.

14. SAME—SAME—SAME—SUPPRESSION.

"Paragraph 52 deals with the problem of suppressed or unworked patents. Much is said in the opinion below, and in the briefs, about the practice of the appellants in applying for patents to 'block off' or 'fence in' competing inventions. In the cooperative effort of certain of the appellants to obtain dominance in the field of patented glass-making machinery, many patents were applied for to prevent others from obtaining patents on improvements which might, to some extent, limit the return in the way of royalty on original or fundamental inventions. The decree should restrain agreements and combinations with this object. But it is another matter to restrain every defendant, for the indefinite future, from attempting to patent improvements of machines or processes previously patented and then owned by such defendant."

15. PATENTS—WORKING OF INVENTION.

"A patent owner is not in the position of a quasi-trustee for the public or under any obligation to see that the public acquires the free right to use the invention. He has no obligation either to use it or to grant its use to others. If he discloses the invention in his application so that it will come into the public domain at the end of the 17 year period of exclusive right he has fulfilled the only obligation imposed by the statute."

APPEALS from the United States District Court for the Northern District of Ohio. Modified.

Mr. Justice BLACK dissenting in part with opinion in which Mr. Justice RUTLEDGE joins. Mr. Justice RUTLEDGE dissenting in part with opinion in which Mr. Justice BLACK joins.

Mr. John T. Cahill (*Mr. Th[illegible]w M. Gordon, Mr. Jerrold G. Van Cise*, and *Mr. Stuart S. Wall* on the brief) for Hartford-Empire Co., F. Goodwin Smith, Bartlett Arkell, et al.

Mr. Boykin C. Wright (*Mr. George Nebolsine, Mr. John W. Nields*, and *Mr. Halsey Sayles* on the brief) for Corning Glass Works, Empire Machine Co., Alexander D. Falck, et al.

Mr. Robert T. Swaine (*Mr. Lloyd T. Williams, Mr. Henry A. Middleton, Mr. George B. Turner*, and *Messrs. Cravath, Swaine & Moore* on the brief) for Owens-Illinois Glass Co., William E. Levis, E. F. Martin, et al.

Mr. Stephen H. Philbin (*Mr. Joseph D. Stecher* on the brief) for Hazel-Atlas Glass Co., J. Harrison McNash, Walter H. McClure, et al.

Submitted by *Mr. Ralph Emery* for Thatcher Manufacturing Co., H. C. Mandeville, R. W. Niver, et al.

Mr. Lehr Fess (*Mr. Frank S. Lewis, Messrs. Doyle, Lewis & Warner, Mr. Albert Diven*, and *Messrs. Pence, O'Neill & Diven* on the brief) for Lynch Corporation, Thomas Chandler Werbe, E. G. Bridges, et al.

Mr. E. W. McCallister (*Mr. Carl F. Schaffer, Messrs. Owen & Owen, Mr. A. M. Bracken*, and *Messrs. Green & McCallister* on the brief) for Ball Brothers Co., Frank Clayton Ball, George A. Ball, et al.

Mr. Luther Day (*Mr. Rufus S. Day* and *Messrs. Jones, Day, Cockley & Reavis* on the brief) for Glass Container Association of America, Inc., Charles R. Stevenson, and Emory G. Ackerman.

Mr. Fred E. Fuller (*Mr. Geo. D. Welles* on the brief) for Isaac J. Collins, T. C. Fulton, W. V. Fisher and J. D. Dilworth.

Mr. Samuel S. Isseks and *Mr. Hugh B. Cox* (*Mr. Charles Fahy, Mr. Wendell Berge, Mr. Lawrence S. Apsey, Mr. Robert L. Stern, Mr. Edward H. Levi, Mr. Philip Marcus, Mr. Victor H. Kramer, Mr. Frank Shields*, and *Mr. Seymour D. Lewis* on the brief) for The United States of America.

Mr. Arnold Boyd filed brief on behalf of the Knox Companies as amicus curiae in No. 2.

Mr. Walter H. Buck filed brief on behalf of The Buck Glass Co., Latchford-Marble Glass Co., Northwestern Glass Co., Chattanooga Glass Co., Laurens Glass Works, Inc., Maryland Glass Corp., Universal Glass Products Co., The Diamond Glass Co., Foster-Forbes Glass Co., and Pierce Glass Co. as amicus curiae in No. 2.

Mr. Justice ROBERTS delivered the opinion of the Court.

These are appeals from a decree[1] awarding an injunction against violations of §§ 1 and 2 of the Sherman Act, as amended,[2] and § 3 of the Clayton Act.[3] Two questions are presented. Were violations proved? If so, are the provisions of the decree right?

The complaint named as defendants 12 corporations and 101 individuals associated with them as officers or directors. It was dismissed as to 3 corporations and 40 individuals. The corporations are the leaders in automatic glass-making machinery and in the glassware industry. The charge is that all the defendants agreed, conspired, and combined to monopolize, and did monopolize and restrain interstate and foreign commerce by acquiring patents covering the manufacture of glass-making machinery, and by excluding others from a fair opportunity freely to engage in commerce in such machinery and in the manufacture and distribution of glass products. The gravamen of the case is that the defendants have cooperated in obtaining and licensing patents covering glass-making machinery, have limited and restricted the use of the patented machinery by a network of agreements, and have maintained prices for unpatented glassware.

The trial lasted 112 days. The court filed an opinion of 160 pages, 628 findings of fact and 89 conclusions of law, and entered a decree covering 46 printed pages and comprising 60 numbered paragraphs. The printed record contains over 16,500 pages. An opinion of reasonable length must deal in summary fashion with the facts disclosed by the proofs and leave much of the detailed history of the transactions to be gleaned from the opinion below.

In 1912 Hartford-Fairmont Company was organized to combine the activities of two existing companies interested in glass manufacture with those of a group of engineers who desired to obtain and exploit patents for automatic glass-making machinery. The defendant Corning Glass Works was, at that time, engaged primarily in the production and distribution of incandescent bulbs, sign and optical ware, heat-resisting ware and other specialty glassware. Its field may be defined roughly as the pressed and blown field, or the noncontainer field. It has not made, and does not now make, containers save a limited amount of tumblers. In 1909 persons interested in Corning organized Empire Machine Company as a patent holding and developing company.

The defendant Owens-Illinois Glass Company (hereafter called Owens) is a large manufacturer of glass. Mr. Owens of that company produced the first fully automatic machine for blowing bottles, which is known as a suction type machine. He was interested in companies engaged in developing and manufacturing this type of machine and exercising the rights represented by the Owens and related patents. From about 1904 the Owens group followed the policy of granting exclusive licenses, in limited fields, for the manufacture of glassware by the suction process. Owens itself was, and is, mainly interested in what is known as narrow neck container ware. Prior to the Owens inventions glass making had been largely a hand process. Thereafter, due to Owens' restrictive licensing policy, many glass manufacturers were threatened with extinction unless some other competing machine could be devised. Ultimately a process, called suspended gob feeding, was invented, which was more economical for certain ware than the suction process, and could be applied in the manufacture of diversified glassware. The introduction of the gob feeder machine threatened Owens' domination of the glass machinery field and Owens, in self-protection, obtained patents and patent rights on gob feeders and licensed some companies for their use.

Hartford-Fairmont was interested in the development of the gob feeder. It applied for some patents and acquired others. In the meantime, it licensed gob feeder machinery, as Owens had done with the suction machine, by restricting its use to the manufacture of specified ware. Empire owned certain

[1] 46 F. Supp. 541 [55 USPQ 14].
[2] 15 U. S. C. §§ 1 and 2.
[3] U. S. C. § 14.

patent applications which were in interference with Hartford-Fairmont gob feeder applications.

June 30, 1916, Hartford-Fairmont and Empire made an agreement whereby Empire was given an exclusive license to use Hartford-Fairmont's patents for pressed and blown glassware and Hartford-Fairmont was given an exclusive license to use Empire's patents for production of containers. Thus Corning obtained exclusive rights, under the patents, for Corning's line of ware—pressed and blown glass—and Hartford obtained the patent rights of both companies in respect of other glassware. Negotiations led to agreements, October 6, 1922, whereby Hartford-Empire (hereinafter called Hartford) was formed and took over all assets of Hartford-Fairmont and of Empire relating to glass machinery. Empire received 43% of the stock of the company and Corning retained approximately the same exclusive interest that Empire had enjoyed under the 1916 agreement. Hartford retained approximately the same rights it had obtained from Empire in 1916 subject to a shop right in Corning which has not been exercised. Empire was dissolved in 1941.

After 1916 Hartford-Fairmont (and its successor Hartford) and Owens were competitors in the gob feeding field; their applications were in interference in the Patent Office with each other and with those of other applicants; and they were in litigation. As a result of negotiations for a settlement of their disputes, they entered into an agreement April 9, 1924, whereby Owens granted Hartford an exclusive license under Owens' patents for gob feeder and forming machines and Hartford granted Owens a nonexclusive, nonassignable, and nondivisible license to make and use machines and methods embodying patents then or thereafter owned or acquired by Hartford for the manufacture of glassware, but Owens was not to sell or license gob feeding machinery and was excluded from the pressed and blown field previously reserved to Corning. Owens was to receive one-half of Hartford's divisible income from licenses over and above $600,000 per annum. Owens retained a veto power on Hartford's granting new licenses on machines embodying Owens' inventions. This provision was eliminated in 1931. The agreement left Owens in full control of its patented suction process.

As soon as the agreement had been made, Hartford and Owens combined to get control of all other feeder patents. In this endeavor they pooled the efforts of their legal staffs and contributed equally to the purchase of patents and the expenses of litigation.

While patent claims upon applications controlled by Hartford and Owens were pending in the Patent Office, Hartford purchased, under the joint arrangement, certain feeder patents and applications belonging to outsiders, and persons to whom feeders had been sold or licensed by such outsiders were persuaded to take licenses from Hartford. As a result of Hartford's and Owens' joint efforts in connection with patent applications and purchases of applications and patents of others, Hartford obtained what it considered controlling patents on gob feeders in 1926.

Hazel-Atlas Glass Company (hereinafter called Hazel) was second to Owens in the manufacture and sale of glass containers. It had been using feeders of its own design and manufacture. To build up further patent control, to discourage use of machinery not covered by their patents, and to influence glass makers to take licenses under Hartford's inventions, Hartford and Owens desired that Hazel should become a partner-licensee. In 1924 they negotiated with Hazel to this end and offered to return to Hazel a substantial portion of any royalties it would have to pay as a licensee. No agreement was reached and Hartford brought infringement suits against Hazel and its subsidiaries. One circuit court of appeals decided favorably to Hazel; another favorably to Hartford. Shortly after the latter decision, Hartford and Owens, in order to buttress the patent situation, persuaded Hazel to make a settlement.

As of June 1, 1932, Hartford, Owens, and Hazel executed a series of agreements. Hartford licensed Hazel under Hartford's patents, excluding from the license the pressed and blown field reserved to Corning and with restrictions against sale or license by Hazel to anyone else. Hazel licensed Hartford under all its glass machinery patents, present and future, to January 3, 1945. Hazel paid Hartford $1,000,000 and agreed to pay Hartford royalties, and Hartford agreed that Hazel and Owens should each receive one-third of Hartford's net income from royalties and license fees over and above $850,000 per annum. Hartford and Owens readjusted their contractual status to conform it to the agreements with Hazel. Owens maintained control of its own suction inventions. It confirmed to Hazel its existing rights under earlier agreements to use these. Owens obtained an option either to purchase, or to become licensee, of any suction inventions controlled by Hartford and agreed, in event of such acquisition, to permit Hazel to use them. Owens and Hazel had the option, on notice, to terminate their contracts with Hartford but agreed mutually to protect each other in such event. The result of this combination was that resistance to Hartford's licensing campaign disappeared and practically the entire industry took licenses from Hartford.

Thatcher Manufacturing Company, a large manufacturer of milk bottles, early obtained an exclusive license to manufacture them on the Owens suction machine. In 1920 Thatcher secured the exclusive right to manufacture milk bottles on Hartford's paddle needle feeder and milk bottle forming machine. It pressed for like rights under Hartford's later device, the single feeder. Though refusing the grant, Hartford assured Thatcher that it would be given every consideration in the grant of further licenses. By a supplemental agreement of December 1, 1925, Hartford, in view of its "moral obligation" to Thatcher, agreed to pay and, until January 1, 1936, allowed Thatcher a rebate on a certain portion of Thatcher's production, and, in 1928, agreed to give Thatcher the refusal of any exclusive license on feeders and formers for production of milk bottles. In 1936 a new agreement was made whereby Hartford agreed that, so long as Thatcher manufactured 750,000 gross per annum, Hartford would grant no other license for manufacture of milk bottles.

Ball Brothers, the largest manufacturer of domestic fruit jars, had used machines of its own design as well as the Owens suction machines under license, but had never taken any license from Hartford. In 1933 Ball took a license from Hartford, obtaining all the residual rights of Hartford for the manufacture of fruit jars, and, inter alia, granted Hartford an option to take licenses on all Ball's patents for glass machinery then owned or thereafter acquired. After discussion as to the rights of Hazel and Owens to manufacture fruit jars, it was proposed that they be limited by written agreement, Hazel to 300,000 gross and Owens to 100,000 gross annually. It was decided not to have a written agreement but both have generally kept within these limits. When the complaint was filed Ball Brothers manufactured approximately 54.5% of all the fruit jars manufactured and sold in the United States, Hazel 17.6%, Owens 6.4%, and an outsider, using a machine on which the patents had expired, 21.5%.

In granting licenses under the pooled patents Hartford always reserved the rights within Corning's field. Further, it not only limited its licensees to certain portions of the container field but, in many instances, limited the amount of glassware which might be produced by the licensee and, in numerous instances, as a result of conferences with Owens, Hazel, Thatcher and Ball, refused licenses to prevent overstocking the glassware market and to "stabilize" the prices at which such ware was sold.

In the automatic manufacture of glassware, other machines are used in connection with the feeders. These are known as forming machines, stackers, and lehrs. The purpose of Hartford and Owens, participated in by the other three large manufacturers mentioned, was that there should be gathered into the pool patents covering and monopolizing these adjunct machines so that automatic glass manufacture, without consent of the parties to the pool, would become difficult if not impossible.

Several forming machines not covered by Hartford patents were on the market. Without going into detail, it is sufficient to say that, by purchases of patents and manufacturing plants, and by an agreement with Hartford's principal competitor, Lynch Manufacturing Company, the field was divided between Hartford and Lynch under restrictions which gave Hartford control. In the upshot it became impossible to use Hartford feeders with any other forming machine than one licensed by Hartford or used by its consent, and, as respects stackers and lehrs, Hartford attained a similar dominant status.

In 1934 certain new agreements were made. Though the 1932 agreement between Hartford and Hazel was substantially unaffected, the contract relationships between Hartford and Owens were altered. The latter surrendered its right to one-third of Hartford's divisible royalty and license income in consideration of Hartford's promise to pay $2,500,000 in quarterly instalments. Owens extended the term of Hartford's license under certain Owens inventions and Hartford granted Owens a royalty-free, nonexclusive license under all Hartford's suction patents for the life of the patents, excluding, however, glassware in Corning's field. Other unimportant changes were made in existing contracts. Owens and Hazel thereupon amended their agreements so as to protect Hazel in event the contract relations between Owens and Hartford should be altered.

Owens insists that, by the 1935 agreements, it terminated all its relations with others which could violate the anti-trust statutes. But the 1935 agreements left Hartford in undisputed control of the gob feeder field, and Owens in like control of the suction field. And they evidently relied on the situation which had been built up, their mutual interests, and other factors, as sufficient to guarantee continuance of existing restraints and monopolies without the necessity of formal contracts. The district court found Owens did not abandon the conspiracy in 1935 and there is evidence to support the conclusion.

In 1919 the Glass Container Association of America was formed. Prior to 1933 its members produced 82% of the glass containers made in the United States and since have produced 92%. Since 1931 (except while the National Industrial Recovery Act was in force) the Association has had a statistical committee of seven, on which Owens, Hazel, Thatcher, and, since 1933, Ball were represented. These appellants also were represented in the Board of Directors. Hartford, though not a member, has closely cooperated with the officers of the association in efforts to discourage outsiders from increasing production of glassware and newcomers from entering the field. The court below, on sufficient evidence, has found that the association, through its statistical committee, assigned production quotas to its members and that they and Hartford were zealous in seeing that these were observed.

In summary, the situation brought about in the glass industry, and existing in 1938, was this: Hartford, with the technical and financial aid of others in the conspiracy, had acquired, by issue to it or assignment from the owners, more than 600 patents. These, with over 100 Corning controlled patents, over 60 Owens patents, over 70 Hazel patents, and some 12 Lynch patents, had been, by cross-licensing agreements, merged into a pool which effectually controlled the industry. This control was exercised to allot production in Corning's field to Corning, and that in restricted classes within the general container field to Owens, Hazel, Thatcher, Ball, and such other smaller manufacturers as the

group agreed should be licensed. The result was that 94% of the glass containers manufactured in this country on feeders and formers were made on machinery licensed under the pooled patents.

The district court found that invention of glass making machinery had been discouraged, that competition in the manufacture and sale or licensing of such machinery had been suppressed, and that the system of restricted licensing had been employed to suppress competition in the manufacture of unpatented glassware and to maintain prices of the manufactured product. The findings are full and adequate and are supported by evidence, much of it contemporary writings of corporate defendants or their officers and agents.

In 1938 the Temporary National Economic Committee investigated the glass-making industry. Many of the facts disclosed in this record were developed. Subsequently this suit was brought and, in pretrial conferences, the Government stated its view as to the terms of agreements and the practices it deemed illegal. The principal corporate appellants had made some alterations in their arrangements and, after institution of suit—and on occasions up to submission of the case on the proofs—made further modifications on their own responsibility, and without concurrence of the appellee or the judge, in an effort to remedy alleged illegal conditions.

As a consequence, when the case stood for decision, the situation was as follows: The restrictions in the 1935 agreement between Hartford and Owens were removed, the exclusive provision, and the exclusions of the manufacture of certain glassware embodied in the 1935 agreements between Owens and Hazel were waived by Owens. Ball had surrendered its residual exclusive right for fruit jars and released a claim against Hartford thereunder for $425,000 in consideration of Hartford surrendering its option to acquire any Ball feeder inventions. Hartford withdrew the exclusive features of all its licenses of glass machinery. Hartford retained dominance of the gob feeder field. Owens, although its basic patent had expired, continued, by virtue of improvement patents, to dominate the suction field. Owens, Lynch, and Hartford were the leaders, if not altogether dominant in the forming machine field.

In July 1939 the Association changed the nature of its statistical reports which the court found were in reality assignments of quotas, and professed to have abandoned a voluntary exchange of statistical data which had previously taken place at committee or general meetings. It then adopted a form of statistical statement eliminating all forecasts and confined its reports to past performances of the members.

[1] We affirm the district court's findings and conclusions that the corporate appellants combined in violation of the Sherman Act, that Hartford and Lynch contracted in violation of the Clayton Act, and that the individual appellants with exceptions to be noted participated in the violations in their capacities as officers and directors of the corporations.

Certain individual appellants insist that the finding that they were parties to the conspiracy must be set aside. In No. 10, Isaac J. Collins appeals from that portion of the decree which adjudges him a party to the conspiracy and grants relief against him, and, in No. 16, Fulton, Fisher and Dilworth challenge their inclusion in the decree.

When suit was instituted Collins was president of, and Fulton, Fish, and Dilworth were officially connected with, Anchor Hocking Glass Company. All had been officers, directors, and stockholders of companies which Anchor Hocking absorbed. Anchor Hocking is, and its predecessors were, manufacturers of glassware. None were holders of machine patents or in the glass machine business. In the bill of complaint the charges against individuals were made by alleging that a company, and certain individual defendants connected with it, had become parties to the conspiracy. The bill charged that in 1937 Anchor Hocking and certain defendants, being its officers and directors, joined the conspiracy. The appellants in question were named as amongst these Anchor Hocking defendants and were not elsewhere in the bill specifically charged with otherwise participating in the conspiracy.

At the close of the Government's case motions were made to dismiss the bill as to Anchor Hocking and all the directors and officers of that company, including Collins, Fulton, Fisher, and Dilworth on the ground that the Government had failed to prove any participation by them in the alleged conspiracy. The court granted the motion with respect to all of them except Collins. Thereupon these defendants withdrew and did not participate further in the trial. Some months later, on a motion of the Government for rehearing of the order of dismissal, the court refused to alter its order with respect to Anchor Hocking or the defendants associated with it, save only Fulton, Fisher, and Dilworth. As to them, it granted rehearings and restored them as defendants of record. When the findings and conclusions were entered these appellants were named as participants in the conspiracy and were included in the injunctions embodied in various sections of the decree.

We think the decree against them must be reversed for want of allegations in the bill sufficient to support a decree against them; because the findings made do not support the decree as to them; because the refusal of findings requested by the Government exculpates them of participation in the conspiracy; and, finally, because the proofs fail to connect them with it.

Fulton, Fisher, and Dilworth each hold stock of Hartford which they acquired many years ago. A company in which they were interested owned Hartford stock and pledged it under a mortgage. The company got into difficulties, the mortgage was in default, and they and others took over the pledged Hartford stock for cash so as to put the company in funds to refinance its mortgage.

The three appellants are amongst the two hundred or more stockholders of Hartford. The bill does not and could not charge them in their capacity as stockholders of Hartford, as parties to the conspiracy, and they are not to be enjoined by reason of their stock holdings in Hartford.

As we have said, they were officers and directors of certain predecessor companies taken over by Anchor Hocking, which were not charged in the bill as participants in the conspiracy. Anchor Hocking was so charged and these appellants and other individuals were charged in the bill to have been, and then to be, officers and directors participating in the direction and management of Anchor Hocking. The complaint adds: "Such individual defendants have approved, authorized, ordered and done some or all the acts herein alleged to have been performed by defendant Anchor Hocking." They are not otherwise specifically charged with participation in the conspiracy. It would seem, therefore, that when Anchor Hocking was found not to have participated the only basis for charging them disappeared. Moreover, the Government's proofs went no farther than to show that these appellants acted in the business affairs of Anchor Hocking. There is no proof that they conspired or cooperated with other companies parties to the conspiracy, or with other individuals who were officers and directors of such corporations. The only findings as to all are to the effect that they have been officers and directors of Anchor Hocking and its predecessors, and stockholders of Hartford and, as to one, that, in addition, as a Hartford-Fairmont stockholder, he signed the agreement in 1922 for the formation of Hartford-Empire. The Government requested the court to find, with respect to them, a number of facts which, if found, would have connected them with the conspiracy. The court refused the requests. Nowhere in the findings or in the opinion is any reason given why these appellants should be included in the injunction. As to them, the decree must be reversed.

Anchor Hocking was a licensee of Hartford machinery. The appellant Collins thought the royalty charged was excessive and complained repeatedly about it; and, believing that his company was free to make glass of any character on any kind of machinery, he complained about the exclusive features of the license. He repeatedly aroused the resentment of Hartford and some of the other participants in the conspiracy by his assertion of the purpose to use machinery and to manufacture glassware in ways they thought contrary to his company's rights as a licensee. There were even discussions as to whether the company should be sued. This evidence is uncontradicted.

Collins is a stockholder of Hartford. He acquired his original stock interest in the same way that Fulton, Fisher, and Dilworth did. In 1926 he was elected a director, and remained such until 1937, when he resigned. This was prior to the T. N. E. C. hearing in which the Hartford licensing system was investigated and prior to the institution of suit. There is no evidence or finding of any reasonable likelihood that he will resume the directorship. Moreover, the bill charges that Anchor Hocking and the individuals connected with it entered the conspiracy in 1937.

The bill does not charge Collins with any act as officer or director of, or as participant in the direction and management of, Hartford. The only charge against him is in respect of his connection with Anchor Hocking. The evidence is that Collins was an irregular attendant at directors' meetings of Hartford; that he was not on any committee of the management and patent affairs of Hartford; that he did not know of the preferred terms under which Owens and Hazel were licensed by Hartford until the matter was disclosed in the T. N. E. C. hearings and then criticized the arrangement. There is no evidence that, as a director of Hartford, he knew, approved, or voted in favor of any of the actions taken pursuant to the conspiracy. On the contrary, the evidence is uncontradicted that he repeatedly advocated more liberal licensing by Hartford and thought its royalties too high. As in the case of the other appellants mentioned, the Government requested findings of fact which, if made, would have spelled out a connection between Collins and the other conspirators but these were refused by the judge. Collins is found to have been, and still to be, a member of the association's statistical committee, but the bill does not charge him individually with any conduct in that relation. Of course, any injunction against the association and its officers and agents will bind him so long as he remains in that relationship. Two other findings as to his activities as a director of Hartford, and as president of General Glass Company, touch matters as to which the bill of complaint is silent and concerning which the evidence is not persuasive of participation in any conspiracy charged or proved. We are of opinion that as to Collins, the bill should be dismissed.

I. Little need be said concerning the legal principles which vindicate the district court's findings and conclusions as to the corporate appellants and the individual appellants who as officers or directors participated in the corporate acts which forwarded the objects of the conspiracy. As was said in *Standard Sanitary Mfg. Co.* v. *United States*, 226 U. S. 20, 49, 184 O. G. 1074:

> "Rights conferred by patents are indeed very definite and extensive, but they do not give any more than other rights an universal license against positive prohibitions. The Sherman law is a limitaton of rights, rights which may be pushed to evil consequences and therefore restrained."

The difference between legitimate use and prohibited abuse of the restrictions incident to the ownership of patents by the pooling of them is discussed in *Standard Oil Co.* v. *United States*, 283 U. S. 163 [9 USPQ 6]. Application of the tests there announced sustains the district court's decision. It is clear that, by cooperative arrangements and binding agreements, the appellant corporations, over a period of years, regulated and suppressed competition in the use of glass making machinery and employed their joint patent position to allocate fields

of manufacture and to maintain prices of unpatented glassware.

The explanations offered by the appellants are unconvincing. It is said, on behalf of Hartford, that its business, in its inception, was lawful and within the patent laws and that, in order to protect its legitimate interests as holder of patents for automatic glass machinery, it was justified in buying up and fencing off improvement patents, the grant of which, while leaving the fundamental inventions untouched, would hamper their use unless tribute were paid to the owners of the so-called improvements which, of themselves, had only a nuisance value.

The explanation fails to account for the offensive and defensive alliance of patent owners with its concomitant stifling of initiative, invention, and competition.

Nor can Owens' contention prevail that it long ago abandoned any cooperation with the other corporate defendants and has been free of any trammel to unrestricted competition either in the machinery or glass field. Owens remained active in the association. It remained dominant in the suction field. It continued in close touch with Hartford and with other large manufacturers of glassware who were parties to the conspiracy. The district court was justified in finding that the mere cancellation of the written word was not enough, in the light of subsequent conduct, to acquit Owens of further participation in the conspiracy.

Individual appellants, except Collins, Fulton, Fisher and Dilworth, who were officers or directors of corporate appellants each did one or more acts, such as negotiating, voting for or executing agreements which constituted steps in the progress of the conspiracy. To this extent they participated in violations of the statutes. Some were more active and played a more responsible role than others.

II. The Government sought the dissolution of Hartford. The court, however, decided that a continuance of certain of Hartford's activities would be of advantage to the glass industry and denied, for the time being, that form of relief. The court was of opinion, however, that the long series of transactions and the persistent manifestations of a purpose to violate the antitrust statutes required the entry of a decree which would preclude the resumption of unlawful practices. It was faced, therefore, with the difficult problem of awarding an injunction which would insure the desired end without imposing punishments or other sanctions for past misconduct, a problem especially difficult in view of the status and relationship of the parties.

At the trial the Government stated that in this suit it was not attacking the validity of any patent or claiming any patent had been awarded an improper priority.

At the time of the district court's decision, Hartford had reduced the royalties of all its licensees to its then schedule of standard royalties so that all stood on an equal basis so far as license fees were concerned. Government counsel did not assert, or attempt to prove, that these royalties were not reasonable in amount.

Owens, as respects suction invention licenses, had removed all restrictive clauses; Hartford had done the same with respect to all its glass machinery licenses and so had Hartford and Lynch with respect to forming machine licenses. At the moment, therefore, no licensee was restricted either as to kind or quantity of glassware it might manufacture by use of the patented machines, and no patent owner was restricted by formal agreement as to the use or licensing of its patents.

Just before the trial, Hartford conveyed three patents to Corning and complaint was made of this transaction. Corning paid a substantial sum for the transfer, evidently to prevent Hartford's obstructing Corning's free and untrammeled use of its own patents. Two of the assigned patents have expired and Corning professes its willingness to dedicate the third to the public.

The association had ceased to allot quotas amongst the glass manufacturers or to furnish advance information or make recommendations to its members. The licensing system of Hartford remained that of leasing machinery built for it embodying the patented inventions. Rentals consisted of standard royalties on production. Under this system Hartford rendered a service in the repair, maintenance, and protection of the machines, which is valuable, if not essential, to the users. This was the status with which the court had to deal.

[2] The applicable principles are not doubtful. The Sherman Act provides criminal penalties for its violation, and authorizes the recovery of a penal sum in addition to damages in a civil suit by one injured by violation. It also authorizes an injunction to prevent continuing violations by those acting contrary to its proscriptions. The present suit is in the last named category and we may not impose penalties [4] in the guise of preventing future violations. This is not to say that a decree need deal only with the exact type of acts found to have been committed [5] or that the court should not, in framing its decree, resolve all doubts in favor of the Government,[6] or may not prohibit acts which in another setting would be unobjectionable. But, even so, the court may not create, as to the defendants, new duties, prescription of which is the function of Congress, or place the defendants, for the future, "in a different class than other people," as the Government has suggested. The decree must not be "so vague as to put the whole conduct of the defendants' business at the peril of a summons for contempt;" enjoin "all possible breaches of the law"; [7] or cause

[4] *Standard Oil Co. of N. J.* v. *United States*, 221 U. S. 1, 77–78.

[5] *Ethyl Gasoline Corp.* v. *United States*, 303 U. S. 436, 461 [44 USPQ 614, 622], 515 O. G. 827.

[6] *Local 167, International Brotherhood of Teamsters* v. *United States*, 291 U. S. 293, 299.

[7] *Swift & Co.* v. *United States*, 196 U. S. 375, 396; *National Labor Relations Board* v. *Express Pub. Co.*, 312 U. S. 426, 433, 435–6.

the defendants hereafter not "to be under the protection of the law of the land." [8] With these principles in mind we proceed to examine the terms of the decree entered. No reference will be made to paragraphs as to which the appellants do not object if any decree is to be entered, nor to those concerning which we think objection is not well founded.

The decree must be modified to eliminate the appellants Collins, Dilworth, Fulton, and Fisher.

Paragraph 1(D) should be modified to limit its coverage to the United States, and clause (*a*) should be stricken as too indefinite for enforcement.

The Government concedes that paragraph 5 should be modified to confine to heat resistant ware the adjudication that Corning, Hartford, and Empire, and the individual defendants associated with each, have monopolized and attempted to monopolize trade in violation of § 2 of the Sherman Act. This involves exclusion from the paragraph of reference to laboratory, paste mold, and electrical ware. To comport with the record the phrase "ovenware" should be substituted for "heat-resistant ware".

[3] The Government also agrees to the elimination of paragraph 9, which generally enjoins the appellants from violations "as charged in the complaint." This concession is required by statute, by the Rules of Civil Procedure, and by our decisions.[9]

The court appointed a receiver for Hartford pendente lite. By paragraphs 10 to 20 of the final decree it continued him in office and gave directions as to his administration of Hartford's affairs, including certain actions to be taken to effectuate features of the decree affecting Hartford's business and licenses, which will later be described, and meantime to continue the receipt of royalties under existing licenses, these to be repaid to the licensees on the decree becoming final. The court also ordered the impounding of the sums payable by Hazel to Hartford, and by Hartford to Hazel, under the 1932 agreement, until the decree should become final. Ball Brothers was ordered to pay into court the $425,000 received from Hartford pursuant to the amendment, August 1, 1940, of Ball's feeder license agreement, but no disposition of the fund was directed (paragraph 44). Corning was directed to pay into court the moneys received by it from Hartford in connection with the amending agreements of September 23 and December 1, 1940, and that fund is held by the clerk pending the further order of the court (paragraph 45–A).

While useful for the preservation of rights pending the determination of this litigation, in the light of what is hereafter said as to the substantive provisions of the decree, the receivership and the impounding of funds were not necessary to the prescription of appropriate relief. The receivership should be wound up and the business returned to Hartford. The royalties paid to the receiver by Hartford's lessees, may, unless the district court finds that Hartford has, since the entry of the receivership decree, violated the anti-trust laws, or acted contrary to the terms of the final decree as modified by this opinion, be paid over to Hartford. In any event Hartford should receive out of these royalties compensation on a quantum meruit basis, for services rendered to lessees. The other funds paid into court and impounded in the registry should be repaid to those who paid them into court.

Paragraphs 21, 22, and 23 apply to the corporate defendants and to any of the individual defendants who shall hereafter engage in the business of distributing glassware machinery. They forbid any disposition or transfer of possession of such machinery by any means other than an outright sale, and require Hartford to offer in writing to sell each of the present lessees all the machinery now under lease to such lessee at a reasonable price to be fixed in consideration of the fees and royalties heretofore paid, any dispute as to price to be settled by the court. All of the corporate defendants and the individual defendants are required, if they engage in the business of distributing glass-making machinery, to file a writing with the court agreeing to offer, and to continue to offer, to sell any machinery used in the manufacture of glassware to any applicant at reasonable and equal terms and conditions.

All of the appellants attack these provisions. A common ground is that this court has held that the lease of a patented machine is a lawful method of exercising the exclusive patent right of practicing or using the invention,[10] and that effective relief may be afforded without destroying the appellants' property rights in the patents they own.

Hazel, Thatcher, and Ball object to the injunction directed to them on the ground that none of them has ever been in the business of selling, licensing, or distributing such machinery. The Government replies that the injunction is intended only to prevent them from again setting up a patent pool and monopolizing the patented inventions. The decree should enjoin the defendants from setting up such a pool or combining or hereafter agreeing to monopolize the glass machinery or the glassware industry, as we think it does in other paragraphs. But the decree as entered requires that each of the defendants must hereafter forever abstain from leasing a patented machine, no matter what the date of the invention, and compels each of them if he desires to distribute patented machinery to sell the machine which embodies the patent to everyone who applies, at a price to be fixed by the court. The injunction as drawn is not directed at

[8] *New York, N. H. & H. R. Co.* v. *Interstate Commerce Comm.*, 200 U. S. 361, 404; *Standard Oil Co. of N. J.* v. *United States*, supra, 80.

[9] Rule 65(*d*), 28 U. S. C. A. following § 723c; § 19 of the Clayton Act, 38 Stat. 738, 28 U. S. C. § 383; *Swift & Co.* v. *United States*, 196 U. S. 375, 396, 401.

[10] *United States* v. *United Shoe Machinery Co.*, 247 U. S. 32; *Id.* v. *Id.*, 258 U. S. 451, 462. In this case the court divided on the question of the legality of certain terms of the leases in question, but the dissenting justices did not suggest that a lease was not an appropriate method of exercising right under the patent. Cf. *International Business Machines Corp.* v. *United States*, 298 U. S. 131 [37 USPQ 224].

any combination, agreement or conspiracy. It binds every defendant forever irrespective of his connection with any other or of the independence of his action.

Paragraph 24 enjoins each of the corporate and individual appellants from engaging in the distribution of machinery used in glass manufacture or in the distribution of glassware in interstate commerce unless each files with the court an agreement (*a*) to license, without royalty or charge of any kind, and for the life of all patents, any applicant to make, to have made for it, and to use any number of machines and methods embodied in inventions covered by any patent or patent application now owned or controlled by such defendant; (*b*) to license, at a reasonable royalty to be fixed by the court, in case of dispute, any applicant to make, have made for it, and to use any number of machines and methods in the manufacture of glassware embodying inventions covered by patents hereafter applied for or owned or controlled by any defendant; (*c*) to make available to any licensee, under "(*a*)" and "(*b*)", at cost, plus a reasonable profit, all drawings and patterns "relating to the machinery or methods used in the manufacture of glassware" embodied in the licensed inventions (with immaterial exceptions).

[4][5] Since the provisions of paragraphs 21 to 24 inclusive, in effect confiscate considerable portions of the appellants' property, we think they go beyond what is required to dissolve the combination and prevent future combinations of like character. It is to be borne in mind that the Government has not, in this litigation, attacked the validity of any patent or the priority ascribed to any by the patent office, nor has it attacked, as excessive or unreasonable, the standard royalties heretofore exacted by Hartford. Hartford has reduced all of its royalties to a uniform scale and has waived and abolished and agreed to waive and abolish all restrictions and limitations in its outstanding leases so that every licensee shall be at liberty to use the machinery for the manufacture of any kind or quantity of glassware comprehended within the decree. Moreover, if licenses or assignments by any one of the corporate defendants to any other still contain any offensive provision, such provision can, by appropriate injunction, be cancelled, so that the owner of each patent will have unrestricted freedom to use and to license, and every licensee equally with every other will be free of restriction as to the use of the leased or licensed machinery, method or process, or the articles manufactured thereon or thereunder.

It is suggested that there is not confiscation since Hartford might, with the later consent of the court, sell its patents. Under the decree as entered below nothing can be obtained by Hartford for the use of its patents and we cannot speculate as to what might be the ultimate adjustments made by the trial court in the decree.

If, as suggested, some of Hartford's patents were improperly obtained, or if some of them were awarded a priority to which the invention was not entitled, avenues are open to the Government to raise these questions and to have the patents cancelled. But if, as we must assume on this record, a defendant owns valid patents, it is difficult to say that, however much in the past such defendant has abused the rights thereby conferred, it must now dedicate them to the public.

[6] That a patent is property, protected against appropriation both by individuals and by Government, has long been settled.[11] In recognition of this quality of a patent the courts, in enjoining violations of the Sherman Act arising from the use of patent licenses, agreements, and leases have abstained from action which amounted to a forfeiture of the patents.[12]

The Government urges that such forfeiture is justified by our recent decisions in *Morton Salt Co.* v. *G. S. Suppiger Co.*, 314 U. S. 488 [52 USPQ 30], 536 O. G. 3, and *B. B. Chemical Co.* v. *Ellis*, 314 U. S. 495 [52 USPQ 33], 535 O. G. 683. But those cases merely apply the doctrine that, so long as the patent owner is using his patent in violation of the antitrust laws, he cannot restrain infringement of it by others. We were not there concerned with the problem whether, when a violation of the antitrust laws was to be restrained and discontinued, the court could, as part of the relief, forfeit the patents of those who had been guilty of the violation. Lower federal courts have rightly refused to extend the doctrine of those cases to antitrust decrees by inserting forfeiture provisions.[13]

Legislative history is also enlightening upon this point. Repeatedly since 1908 legislation has been proposed in Congress to give the courts power to cancel a patent which has been used as an instrument to violate antitrust laws.[14] Congress has not adopted such legislation. The Temporary National Economic Committee recommended imposition of such a penalty for violation of antitrust laws.[15]

[11] *James* v. *Campbell*, 104 U. S. 356, 357, 358, 21 O. G. 337; *Hollister* v. *Benedict & Burnham Mfg. Co.*, 113 U. S. 59, 67; *Wm. Cramp & Sons Co.* v. *International Curtis Marine Co.*, 246 U. S. 28, 39–40, 249 O. G. 739; *United States* v. *Dubilier Condenser Corp.*, 289 U. S. 178, 189 [17 USPQ 154, 158], 430 O. G. 4.

[12] See *Standard Sanitary Mfg. Co.* v. *United States*, 226 U. S. 20, 184 O. G. 1074. Decrees and Judgments in Federal Antitrust Cases (1918), p. 265; *United States* v. *Motion Picture Patents Co.*, 225 F. 800; appeal dismissed 247 U. S. 524. Decrees and Judgments in Federal Antitrust Cases (1918), pp. 379–380; *United Shoe Machinery Co.* v. *United States*, 258 U. S. 451; *Ethyl Gasoline Corp.* v. *United States*, 309 U. S. 436 [44 USPQ 614], 515 O. G. 827; *United States* v. *Univis Lens Co.*, 316 U. S. 241 [53 USPQ 404], 540 O. G. 481.

[13] *American Lecithin Co.* v. *Warfield Co.*, 105 F.(2d) 207, 211 [42 USPQ 180, 184]; *Novadel-Agene Corp.* v. *Frederic H. Penn*, 119 F.(2d) 764, 766–7 [49 USPQ 520, 522–523]; *Sylvania Industrial Corp.* v. *Visking Corp.*, 132 F.(2d) 947, 958 [56 USPQ 190, 199]; *Universal Sewer Pipe Corp.* v. *General Const. Co.*, 42 F. Supp. 132, 134 [51 USPQ 127, 129]; *American Lecithin Co.* v. *Warfield Co.*, 42 F. Supp. 270, 272 [51 USPQ 358, 360].

[14] H. R. 20388, 60th Cong., 1st Sess. (1908); H. R. 11796, 61st Cong., 1st Sess. (1909); H. R. 2930, 62d Cong., 1st Sess. (1911); H. R. 16828, 62d Cong., 2d Sess. (1912); H. R. 23417, as amended, 62d Cong., 2d Sess. (1912); H. R. 1700, 63d Cong., 1st Sess. (1913); H. R. 14865, 63d Cong., 2d Sess. (1914); S. 2783, 70th Cong., 2d Sess. (1928); S. 2491, 77th Cong., 2d Sess. (1942).

[15] Final Report and Recommendations of the Temporary National Economic Committee, Sen. Doc. No. 35, pp. 36–7 (1941), 77th Cong., 1st Sess. See also Preliminary Report Sen. Doc. No. 95, pp. 16–17 (1939), 76th Cong., 1st Sess.

But its recommendation was not adopted by Congress.

The Government suggests that certain earlier decisions under the Sherman Act, by analogy, support these portions of the decree.[16] The cases cited, however, do not sustain the suggestion. In all of them the court refrained from ordering compulsory dealing with the assets of the defendant without compensation and, in most of them, the decrees merely called for rearrangement of ownership, not for its destruction.

[7] Under paragraph 24(*b*) a defendant hereafter acquiring a patent cannot set the price for its use by others, elect to use it himself and refuse to license it, or to retain it and neither use nor license it. These are options patent owners have always enjoyed.[17]

Congress was asked as early as 1877, and frequently since, to adopt a system of compulsory licensing of patents.[18] It has failed to enact these proposals into law. It has also rejected the proposal that a patentee found guilty of violation of the antitrust laws should be compelled, as a penalty, to license all his future inventions at reasonable royalties.[19] The Temporary National Economic Committee recommended congressional adoption of such a system,[20] but Congress took no action to that end.

[8] Paragraph 24(*a*) of the decree should be modified to permit the reservation of reasonable royalties and its provisions should be restricted to feeders, formers, stackers and lehrs and patents covering these or improvements of them, or methods or processes used in connection with them.

Paragraph 24(*b*) should be limited, in respect of future applications and resulting patents or patents hereafter acquired by assignment, to those covering feeders, formers, stackers and lehrs, or parts thereof or improvements thereon, and methods and processes involved in their construction and operation. For example, if Ball or Thatcher should procure a patent on a bottle-capping machine or for a composition of glass, there is no reason to compel a license to Hartford or Hazel or anyone else. Other paragraphs of the decree preclude a misuse of the patent in violation of the antitrust laws.

Paragraph 24(*c*) should be deleted.

Paragraph 25 restrains all the corporate and individual appellants, whenever regularly engaged in the manufacture of glassware for interstate commerce, from discrimination "by means of wholly exclusive or partially exclusive requirement contracts" "or otherwise" against any such manufacture, present or prospective; or in the filling of orders for machinery on the basis of the size of the order or credit rating of the customer, if he is willing to pay cash, his standing in the industry or otherwise; and from conspiring with any other person or corporation to obstruct or delay the furnishing of any such machinery.

The earlier portion of the paragraph is vague and would be difficult of application. It seems not to be addressed to any practice indulged in or threatened by any of the appellants. It should, therefore, be modified or eliminated. The last five lines of the paragraph are appropriate although the matters covered by them are apparently embraced in other portions of the decree.

Thatcher and Ball insist that no such injunction should be directed to them for the reason that they are not now, and never have been, in the business of owning machinery patents or selling or licensing glass-making machinery. We think, however, in view of the fact that they have been found to have conspired with Hartford and the other appellants in denying and obstructing competitors from obtaining machinery, the injunction, modified as suggested, may stand against them.

Paragraph 26 enjoins all of the corporate appellants, and all of the individuals associated with them, until the entry of a finding by the court on the petition of any defendant that the consequences of the conduct of the defendants in violation of the anti-trust laws have been fully dissipated, from the following acts: (*a*) bringing, maintaining, or taking any action in any suit for infringement of any patent owned or controlled or hereafter issued on pending applications covering glassware machinery; (*b*) attempting to interfere, by suit or otherwise, with the possession of any machinery owned, or claimed to be owned, by any appellant which is in the possession of any licensee except sale to the licensee pursuant to paragraph 21; (*c*) attempting to collect royalties or license fees for the use of any inventions covered by existing patents or applications for patents for glassware machinery.

[9] Since paragraphs 21 to 24(*a*) inclusive are to be eliminated this paragraph, which is ancillary to them, should also be deleted from the decree, but in view of the conspiracy found, an injunction should go against the further prosecution of all infringement suits pending at the date this suit was brought. Hartford and the other corporate defendants mentioned in paragraph 24 should be required to lease or license glass making machinery of the classes each now manufactures to any who may desire to take licenses (under patents on such machinery or on improvements, methods or processes applicable thereto) at standard royalties and without discrimination or restriction, and if at the time of entry of the decree there are any alleged infringers who are willing to take such licenses they should be released, and the patent owner deprived of all dam-

[16] *United States* v. *American Tobacco Co.*, 221 U. S. 106; *United States* v. *Terminal Railroad Association*, 224 U. S. 383; *United States* v. *Great Lakes Towing Co.*, 217 F. 656, appeal dismissed 245 U. S. 675; *United States* v. *New England Fish Exchange*, 258 F. 732; *United States* v. *Pullman Co.*, 50 F. Supp. 123.

[17] *The Paper Bag Patent Case*, 210 U. S. 405, 424, 136 O. G. 1297; *Motion Picture Patents Co.* v. *Universal Film Mfg. Co.*, 243 U. S. 502, 510, 514, 238 O. G. 311; *Crown Die & Tool Co.* v. *Nye Tool & Machine Works*, 261 U. S. 24, 34–35, 312 O. G. 400.

[18] H. R. 8776, 62d Cong., 1st Sess. (1911); S. 2116, 62d Cong., 1st Sess. (1911); H. R. 26185, 62d Cong., 2d Sess. (1912); S. 2303, 77th Cong., 2d Sess. (1942); S. 2730, 77th Cong., 2d Sess. (1942); H. R. 1371, 78th Cong., 1st Sess. (1943); cf. S. 300, 45th Cong., 1st Sess. (1877).

[19] S. 2783, 70th Cong., 2d Sess. (1928).

[20] Final Report and Recommendations of the Temporary National Economic Committee, Senate Doc. No. 35, pp. 36–7 (1941), 77th Cong., 1st Sess.

ages and profits which it might have claimed for past infringement. The decree should, however, be without prejudice to the future institution of any suit or suits for asserted infringements against persons refusing to take licenses under any of the presently licensed inventions arising out of their use after the date of the decree. The decree should not forbid any defendant from seeking recovery for infringement, occurring after the date of the final decree, of patents not covering feeders, formers, stackers, lehrs or processes or methods applicable to any of them.

Paragraph 27 cancels all outstanding agreements between corporate appellants, including all modifications made prior to or pending trial. This is consonant with the terms of the earlier paragraphs which require corporate appellants to license all inventions involved, royalty free, and to sell machines embodying such inventions.

In view of what we have already said about these earlier paragraphs, the license agreements as modified by the parties and in accordance with the views here expressed, should be allowed to stand. As has been noted, these are all at uniform royalties, and all without restrictions or discriminatory features. We do not understand that, as modified, any of these agreements is attacked as containing improper or unlawful provisions. If, however, any of them is found still to embody provisions inconsistent with the form of relief we have outlined, its reformation should be decreed. The appellants should be enjoined from hereafter altering these agreements, or any hereafter made in like terms, without the approval of the court. If the existing royalties are excessive these may be reduced to a fair and reasonable basis. The decree should permit any corporate appellant, acting alone, to lease or sell patented machinery or license the use of patents, if it so elects, provided always that no discrimination be practiced and that no restrictive conditions be attached (except as stated in connection with paragraph 29) save with the approval of the court.

A word should be said with respect to the effect of this paragraph in cancelling the agreement of September 23, 1940, between Hartford-Empire and Corning, and the assignment of three patents to Corning pursuant thereto.

It will be recalled that, prior to the trial, Corning and Hartford cancelled the 1916 and 1922 agreements which the court found illegal and which the decree ordered cancelled notwithstanding the parties' prior action. Further, Corning was given an unrestricted license by Hartford which will require the payment of increased royalties by Corning for use of Hartford's inventions. In consideration of the cancellation of the agreements, Hartford agreed to pay Corning $1,125,000, in installments, and to transfer to Corning three patents owned by Hartford. The decree orders these payments impounded but makes no disposition of the impounded fund. It also requires Corning to reassign the patents to Hartford.

Two of the patents have expired. The reason for Corning's desire to obtain title to the patents was that two of them were alleged to conflict with certain features of Corning's ribbon machine [21] although the claim was always contested and never established. These are the two expired patents. The third was alleged to infringe upon a feature of a Corning patented machine known as a turret chain machine. Continued ownership of the patent by Hartford would constitute a threat against the use by Corning of the machine. The assigned patent will expire six years before Corning's patent on the turret chain machine. Naturally Corning desired to be free from the possible threat of infringement suits. It does not appear that the ownership of this patent by Corning would tend to perpetuate or create any improper monopoly or patent pool. In any event, Corning has agreed, if such danger is found to exist, to dedicate the patent to the public, since all it desires is to be free of restraint on the part of Hartford in the use of its turret chain machine. Such dedication should be ordered.

In the light of these facts, the settlement made by Hartford and Corning ought not to be set aside nor ought the payment to be made by Hartford to Corning thereunder be enjoined. The money paid into court by Corning should be returned to it.

The paragraph orders cancellation of the agreements of June 30, 1916, between Hartford-Fairmont and Empire, and that of October 26, 1922, between Hartford, Corning and others. These have been cancelled, but the decree should enjoin their reinstatement, or the making of like contracts in the future.

Paragraph 28 orders cancellation of all Hartford machinery leases now outstanding and requires that each lessee be offered a new license (without royalty, pursuant to paragraph 24) and offered the right to purchase all of the machinery now held under lease (as required by paragraph 23). In view of what has been said this provision should not stand.

Paragraph 29 enjoins the insertion or enforcement of any provision in any agreement heretofore or hereafter made by any of the appellants which (*a*) directly or indirectly limits or restricts (1) the type or kind of product, whether glassware or any other, which can be produced on machines or equipment or by processes embodying inventions licensed under patents or patent applications, (2) the use of the product so produced, (3) the character, weight, color, capacity, or composition of the product, (4) the quantity, (5) the market, either as to territory or customers in or to which the product may be sold or distributed, (6) the price or terms of sale or other disposition of the product, or (7) the use of the machinery or equipment distributed or the inventions licensed in connection with any other machinery or equipment, or the use of it in any specified plant or locality; (*b*) authorizes termination of the license for unauthorized use; (*c*) pro-

[21] There is no claim that the ribbon machine patent was ever part of a combination of patents.

vides that the licensee shall not contest the validity of any patent or patents of the licensor; (*d*) provides that improvements by the licensee on machinery leased and sold shall become the property of the lessor; (*e*) provides that rights to improvements and inventions covering licensed machinery or processes or methods shall become the exclusive property of the lessor or vendor; or (*f*) grants to any licensee a preferential position by lower rates of royalty, by different provisions of licensing, leasing, or sale, by exclusive licensing, rebate, discounts or requiring a share in net or gross income, or by any other means.

The paragraph now covers every kind of invention and every patent, present or future, in any field if owned or controlled or distributed by an appellant.

The injunction will stop all inventions or acquirement of patents in any field by any appellant unless for its own use in its business, for it sets such limitations upon the reward of a patent as to make it practically worthless except for use by the owner. It is unlimited in time. It is not limited to any joint action or conspiracy violative of the antitrust laws; it covers inventions in every conceivable field.

The Government now agrees that this injunction should be limited to glass making machinery and glassware as defined in paragraph 1 of the decree of the district court.

The corporate appellants have amended, or agreed to amend, existing leases and licenses to remove all such restrictions as are enjoined.[22] We have already said that the decree should enforce conformity of all lease and license agreements to this standard, and forbid the reinstatement or embodiment of any such restrictions in existing or future agreements relating to the machinery, methods or processes respecting feeders, formers, stackers or lehrs or involved in their use, covered by patents now owned or applied for or those hereafter acquired by any corporate appellant.

[10] Paragraph 29 should be amended to permit any appellant, corporate or individual, to retain and refuse to license, to use and refuse to license or to license with restrictions any patent hereafter applied for or acquired except those applicable to feeders, formers, stackers and lehrs and processes and methods applicable thereto. Its restraints should be limited as we have indicated those of paragraph 24(*b*) should be limited.

Paragraph 30 applies all the terms of paragraph 29 to agreements hereafter made between any of the defendants. This should be modified to conform to the alterations to be made in paragraph 29.

Paragraph 31 requires court approval of "any agreement between any of the defendants" and "of any license agreement made pursuant to this judgment." This is too sweeping. The provision is without limit of time and not terminable upon fulfillment of any condition. Many of the individual defendants are employees of one of the corporate defendants. An employment contract could not be made with such an one without court approval. Nor can any defendant enter into the most innocent and usual business transaction with any other, however unrelated to the conspiracy, without similar approval. This paragraph, if retained, should be restricted in application to lease or license agreements and agreements respecting patents and trade practices, production and trade relations.

By paragraph 33 each of the individual defendants is enjoined from "holding, controlling, directly or indirectly, or through corporations, agents, trustees, representatives, or nominees, any of the issued and outstanding capital stock, bonds or other evidences of indebtedness of more than one corporation engaged either in the manufacture and sale of glassware or in the manufacture or distribution of machinery used in the manufacture of glassware or in both. * * *" The individual defendants thus enjoined are officers and directors of the corporate defendants. The purpose of dealing with stock ownership is to prevent aggregation of control to the end of establishing a monopoly or stifling competition. The ownership of a few, or even a few hundred, shares of stock of a glass manufacturing company not in competition with the company of which a defendant happens to be a director or officer can have no tendency towards such a result. Many food packers and makers of proprietary articles manufacture part or all of the glassware in which their goods are sold. The decree would require all of the defendants, at their peril, to part with any stock which they own in such a concern and to refrain from buying any. Owens is in the glass container business. It has never manufactured pressed or blown ware or light bulbs, yet the decree would forbid any defendant connected with Owens from investing in any concern manufacturing these articles. It is unnecessary to multiply instances of the broad sweep of the paragraph.

Moreover, the injunction is against ownership of bonds of any such company. It is difficult to see how such ownership in any reasonable amount by any of the individuals in question could tend towards a violation of the Sherman Act. The phrase "evidence of indebtedness" is also used. This would indicate complete prohibition against making a loan however reasonable, or however proper the purpose, evidenced by a promissory note.

[11] The decree should be modified to prohibit acquisition of stocks or bonds of any corporate appellant by any other such appellant, and to prohibit only the acquisition of a measure of control through ownership of stocks or bonds or otherwise, by any individual in a company competing with that with which he is officially connected or a subsidiary or affiliate of such competing company.

The appellants Falck, Houghton, Houghton, Jr. and Levis own substantial amounts of stock of

[22] The Government calls attention to findings which show that though Hartford advised certain licenses of the removal of restrictions in their licenses, the licensees have not formally accepted the more liberal terms. Hartford can be enjoined from enforcing the restrictions if that is found necessary.

Corning and of Hartford. By the decree they are required to divest themselves of their stock in the one or the other within two years from the date of the judgment. In view of the effect of the decree on Hartford, it may prove difficult for these defendants to comply within the period stated without severe loss. We are of opinion that a longer time should be allowed and that an alternative provision would be appropriate depriving these defendants of the right to vote the stock of one company or the other or to trustee the stock of one of the corporations if both stocks are held longer than the term fixed.

Paragraph 34 which deals with present holdings of individual appellants should be revised to comport with the views expressed as to paragraph 33.

Paragraph 35 enjoins each individual defendant from holding, at the same time, an office or directorship in more than one corporation which manufactures and sells glassware or manufactures or distributes glass-making machinery. The injunction is not limited to directorships in more than one of the defendant corporations. The same comment applies as has been made with respect to paragraph 33. There may be many instances when the normal freedom to act as a director of more than one company will in no wise conflict with the policies of the anti-trust laws or tend to the fostering of practices which those laws forbid. The same considerations apply to paragraphs 36–A and 36–B, which should be limited to the acquisition of the business or assets of a competing corporation by a corporate defendant, and by any officer of a corporate defendant, of the business or all the assets of a competing concern, unless the acquisition is approved by the court.

[12] Paragraphs 37 to 39 are directed at the glass container association, its officers, directors, employes and members. The district court has found that from 1928 to 1937 the association, through the instrumentality of its statistical committee, on which the principal corporate defendants were represented, furnished forecasts of probable future production of each of the glass manufacturers concerned and that these forecasts were communicated at meetings of the association by one manufacturer to another so that there was general knowledge amongst the members of the forecasted future production of each of them. These forecasts, the court found, were treated by the corporate appellants and their officers as in fact quotas, deviation from such quotas was discouraged, and it was the general understanding that each manufacturer should restrict his production to accord with his quota. The court further found that the association, working in close cooperation with Hartford, which was not a member, endeavored to discourage expansion of the industry and to prevent increased competition through the entry of new units into the various fields of manufacture of glass containers.

The court, in its opinion, indicates that it does not find it necessary to dissolve the association and further indicates that it may serve a valuable purpose to the industry "as a statistical and research body" and in the promotion of better methods of manufacture and distribution.

The injunctions entered in paragraphs 37 to 39, inclusive, compel the association to abolish its statistical committee and to refrain from establishing any committee with similar functions; enjoin it from retaining any of its present officers or board of directors who are defendants and also directors, officers or employes of any defendant corporation, and order it to submit to the Attorney General and to the court the names of directors or officers to be elected or appointed to succeed present incumbents. The association is enjoined from electing, employing, or continuing in office or employment, anyone who is, at the time, an officer, director, agent or employe of the corporate appellants, and is required to amend its charter and by-laws to prevent such employment.

We think the injunction as respects the association, while leaving it in existence, practically destroys its functioning, even as an innocent trade association for what have been held lawful ends.[23] The association has undoubtedly been an important instrument of restraint and monopoly. It may be made such again, and detection and prevention and punishment for such resumption of violations of law may be difficult if not impossible. In the light of the record, we think it better to order its dissolution, and to provide that the corporate defendants be restrained for a period of five years from forming or joining any such trade association, and that thereafter they may apply for leave to do so, and have such leave on showing to the court that the purposes and activities of the proposed body will not be violative of law.

Paragraph 40 is a general injunction against future conduct. It is designed to prevent combinations, in violation of the anti-trust statutes. It names each corporate defendant "and the individual defendants associated therewith" meaning the officers and directors of each who are found to have participated in the conspiracy. But an injunction binding the corporate defendants, their officers, agents and employes, is sufficient to constrain the individual defendants so long as they remain in official relation, and to bind their successors. It is unnecessary to enjoin them personally, when that relation is severed.

Sub-paragraph (1) prohibits combining with any other defendant or with any other manufacturer or "seller" of glassware or glass machinery. The appellants object to the inclusion of the word "seller", claiming that the use of this term may preclude normal business arrangements with agents and consignees. We shall later indicate the proviso we think necessary in this connection. We are of opinion that the sub-paragraph should be amended by

[23] See *Maple Flooring Manufacturers Association* v. *United States*, 268 U. S. 563, 582, 583; *Cement Manufacturers Protective Association* v. *United States*, 268 U. S. 588, 606; *Appalachian Coal Inc.* v. *United States*, 288 U. S. 344, 374; *Sugar Institute Inc.* v. *United States*, 297 U. S. 553, 598.

exscinding the phrase "its directors, officers and employees" in both clauses and inserting the words, "whether a natural person, partnership or corporation" after the word glassware appearing in the last line of the printed draft of the decree furnished this court by the appellants.

Sub-paragraph (*b*) should be amended by inserting the word "a" between "of" and manufacturer (which should be in the singular) in the first line of the same draft, deleting the words "or effect thereof" in the sixth line and inserting in lieu thereof "of such ascertainment, estimate or forecast" and by inserting in the next line between the words "persuade" and "any" the words "or agree with."

Sub-paragraph (*c*) should be amended to substitute in the sixth line of the same draft for "or where" the word "with" and for "or effect is" the words "or agreement".

Sub-paragraph (*d*) should be deleted. The requirement that all trade information be given to the public would render the assembly of it for the information of members useless and indeed detrimental to competition. The inclusion of such a provision in an anti-trust decree has been disapproved by this court.

Paragraph (2) should be modified by adding at the end "in the distribution of glassware or machinery for the manufacture of glassware".

Paragraph (3) which deals with distribution of data concerning the business of glassmaking and glass machinery distribution is approved with these alterations: after the word "otherwise" in the seventh line of the draft there should be inserted the words "pursuant to any agreement or understanding or with the purpose or intent" and there should be deleted the words "in such form or manner as to indicate"; after the word "machinery" in the next to last line, the sentence should read, "shall limit his or its output to any production quota or shall adhere or conform at any price".

In order to permit usual business transactions not related to violations of the anti-trust statutes there should be added at the end of paragraph 40 a proviso that nothing in the paragraph is to be construed to forbid normal business transactions of any of the corporate defendants with its selling agents or consignees, persons or corporations rendering services to it, or customers; or to prohibit transactions with citizens or corporations of foreign nations; or to prevent any defendant from availing of the benefits of the Webb-Pomerene Act, the Small Business Mobilization Act or (save as elsewhere in the decree provided) of the benefits of the patent laws.

Paragraphs 41 and 42 are duplications of other provisions of the decree. They should be deleted.

[13] Paragraph 51 enjoins all defendants from directly or indirectly acquiring, otherwise than through direct issue from the Patent Office, any patent, patent application, or exclusive rights thereunder, covering any invention embodied or employed in a machine or process used, or to be used, in glassware manufacture ("whether or not the machine or process embodying or employing the invention covered by the patent can be used without infringing another patent or patents") which constitutes or employs, in whole or in part, a method, means, or process to obtain results in the glass making art which is identical with, similar, or alternative to, those obtained or obtainable by the machinery, methods, or processes embodying inventions covered by patents then owned or controlled by any defendant, except nonexclusive rights or patents on inventions of its or his employes or those of a subsidiary, made during the time of employment.

The scope of the provision is not clear. Whether it applies to an improvement upon an existing patented invention seems doubtful. Perhaps it does not prevent an owner of a patent upon a feeder from acquiring one upon a former, or an owner of a patent upon a stacker from acquiring one upon a lehr, but, as the provision is framed, this is not clear. The injunction seems in effect to forbid acquisition by any defendant of any patent right in any glass making field, for most of the corporate defendants, and perhaps some of the individuals, now own some such patent.

It is clear, however, that the paragraph enjoins all acquisition of patent rights other than nonexclusive licenses. In this respect, it is the reverse of paragraph 29 which outlaws all grants except unrestricted nonexclusive licenses. It will be noted that the injunction runs against each defendant individually and is not applicable to joint acquisitions or to combinations or agreements respecting acquisition. It seems to prohibit the acquisition of any patent, or of a restricted license under any patent by any defendant. In this respect the paragraph is inappropriate to restrain future violations of the anti-trust statutes. The paragraph should be deleted.

[14] Paragraph 52 deals with the problem of suppressed or unworked patents. Much is said in the opinion below, and in the briefs, about the practice of the appellants in applying for patents to "block off" or "fence in" competing inventions.

In the cooperative effort of certain of the appellants to obtain dominance in the field of patented glassmaking machinery, many patents were applied for to prevent others from obtaining patents on improvements which might, to some extent, limit the return in the way of royalty on original or fundamental inventions. The decree should restrain agreements and combinations with this object. But it is another matter to restrain every defendant, for the indefinite future, from attempting to patent improvements of machines or processes previously patented and then owned by such defendant. This paragraph is, in our judgment, too broad. In effect it prohibits several of the corporate defendants

from applying for patents covering their own inventions in the art of glassmaking. For reasons elsewhere elaborated it cannot be sustained. It should be limited as we have suggested that paragraphs 24(*b*) and 29 be limited. In addition, it enjoins every defendant from applying for a patent "with the intention of not making commercial use of the invention within four years" from issue of the patent and makes the failure commercially to use the invention prima facie proof of the absence [sic] of such intention.[24] This provision is also legislative rather than remedial. Unless we are to overturn settled principles the paragraph in question must be eliminated.

[15] A patent owner is not in the position of a quasi-trustee for the public or under any obligation to see that the public acquires the free right to use the invention. He has no obligation either to use it or to grant its use to others. If he discloses the invention in his application so that it will come into the public domain at the end of the 17-year period of exclusive right he has fulfilled the only obligation imposed by the statute.[25] This has been settled doctrine since at least 1896. Congress has repeatedly been asked, and has refused, to change the statutory policy by imposing a forfeiture [26] or by a provision for compulsory licensing [27] if the patent is not used within a specified time. The governing rule is quoted in *Chapman* v. *Wintroath*, 272 O. G. 913, 252 U. S. 126, at 137:

"'A party seeking a right under the patent statutes may avail himself of all their provisions, and the courts may not deny him the benefit of a single one. These are questions not of natural but of purely statutory right. Congress, instead of fixing seventeen, had the power to fix thirty years as the life of a patent. No court can disregard any statutory provisions in respect to these matters on the ground that in its judgment they are unwise or prejudicial to the interests of the public.' *United States* v. *American Bell Telephone Co.*, 167 U. S. 224, 247."

Paragraph 53 requires submission to certain investigations by the Department of Justice and the furnishing of information with respect to the business of the corporate defendants in the future. It should be modified to accord with our opinion in *United States* v. *Bausch & Lomb Optical Company*, 321 U. S. 707 [61 USPQ 61], which involved a similar provision.

A word should be said concerning the inclusion in many paragraphs of the decree, and in many of the injunctions imposed, of various individual defendants who in the past have acted as, and who at present are, officers or directors of the corporate defendants. They offended against the anti-trust laws by acting on behalf of, or in the name of, a corporate defendant. There are no findings, and we assume there is no evidence, that any of them have applied for, owned, dealt in, and licensed patents appertaining to the glassware art. Nor is there evidence or finding that, as individuals acting for their own account, any of them, as a principal, has entered into any of the arrangements found unlawful by the court. Despite these facts, in practically every instance where a corporate defendant is restrained from described action or conduct, these individuals, as individuals, are likewise restrained. Any injunction addressed to a corporate defendant may, as various sections of the decree do, include its officers and agents. If the individual defendants are officers or agents they will be comprehended as such by the terms of the injunction. If any of them cease to be such, no reason is apparent why he may not proceed, like other individuals, to prosecute whatever lawful business he chooses free of the restraint of an injunction. On the other hand, if new officers and directors take the places of these defendants, such new agents will automatically come under the terms of the injunction. There is no apparent necessity for including them individually in each paragraph of the decree which is applicable to the corporate defendants whose agreements and cooperation constitute the gravamen of the complaint. That these individuals may have rendered themselves liable to prosecution [28] by virtue of the provisions of § 14 of the Clayton Act [29] is beside the point, since relief in equity is remedial, not penal. These considerations, however, do not apply to the provisions of paragraphs 3 to 7 and 33 to 35 inclusive, as the same are to be modified.

Paragraph 42 requires Ball to cancel certain agreements with the Knox Glass Bottle Company and Underwood, and with Brockway Machine Bottle Company and Robert L. Warren, which excluded the parties named from entering the glass container business for periods of years. As it appears without contradiction that these restrictions have already been released by Ball, the paragraph seems unnecessary.

The judgment of the district court is reversed as to the appellants in Nos. 10 and 11; its decision that the appellants in the other appeals have violated the anti-trust laws and should be enjoined from future similar violations is affirmed, but the decree entered is vacated and the cause is remanded for further proceedings in conformity to this opinion.

Mr. Justice DOUGLAS, Mr. Justice MURPHY and Mr. Justice JACKSON took no part in the consideration or decision of this case.

Mr. Justice BLACK, (dissenting in part):

I agree with the Court's judgment insofar as it sustains the decree of the District Judge.

I cannot, however, agree to many of the modifications of that decree. These appellants have violated the anti-trust laws. The district court's decree, taken as a whole, is an effectiye remedy, admirably suited to neutralize the consequences of such violations, to guard against repetition of similar illegal activities, and to dissipate the unlawful aggregate of economic power which arose out of, and fed upon, monopolization and restraints. *United States* v. *Crescent Amusement Co.*, 323 U. S. —. Many of this Court's modifications seriously impair the decree and frustrate its purposes.

It would probably serve no useful purpose to state at length the reasons which justify the district court's decree, since they are set forth clearly and well in its opinion. In particular, however, it is my belief that any reasonable assurance that these appellants will not continue to violate the anti-trust law requires that we leave intact the district court's decree insofar as it (1) provides for appointment of a receiver and the impounding of Hartford's royalties (paragraphs 10–20 of the decree); (2) requires that glassware machines should be disposed of by outright sale rather than by leases (paragraphs 21, 22, 23); (3) requires that patents, already owned be licensed royalty free; (4) prohibits the restrictive licensing practices which the appellants so effectively used to create and maintain their monopoly (paragraph 29); (5) enjoins the appellants from the practice of obtaining patents for the purpose of "fencing in" and "blocking off" new inventions (paragraph 52).

The district court's opinion in my judgment laid a careful and well-reasoned foundation establishing the necessity for every one of these paragraphs. It would be difficult to add to what the court there said. It is sufficient for me to say only a few words.

The district court found that these defendants started out in 1916 to acquire a monopoly on a large segment of the glass industry. Their efforts were rewarded by complete success. They have become absolute masters of that domain of our public economy. They achieved this result largely through the manipulations of patents and licensing agreements. They obtained patents for the express purpose of furthering their monopoly. They utilized various types of restrictions in connection with leasing those patents so as to retain their dominance in that industry. The history of this country has perhaps never witnessed a more completely successful economic tyranny over any field of industry than that accomplished by these appellants. They planned their monopolistic program on the basis of getting and keeping and using patents, which they dedicated to the destruction of free competition in the glass container industry. Their declared object was "To block the development of machines which might be constructed by others * * *" and "To secure patents on possible improvements of competing machines, so as to 'fence in' those and prevent their reaching an improved state." These patents were the major weapons in the campaign to subjugate the industry; they were also the fruits of appellant's victory. The restoration of competition in the glass container industry demands that appellants be deprived of these weapons. The most effective way to accomplish this end is to require, as the district court did, that these patents be licensed royalty free.

The decree of the court below was well-fashioned to prevent a continuation of appellant's monopolistic practices. The decree as modified leaves them free, in a large measure, to continue to follow the competition-destroying methods by which they achieved control of the industry. In fact, they have received much milder treatment from the court than they anticipated. This is shown by a memorandum of one of Hartford's officers made in 1925. That memorandum which discussed plans for suppression of a number of competitors, with particular reference to possible prosecutions under the Sherman Act, read in part as follows:

"Of course, the court might order that we transfer the entire Federal licensing business to some other party and turn over to that party the Federal patents. This, of course, would simply restore to a certain extent the existing situation and establish a competitor. * * * I * * * do not see much danger of having any of these deals upset. * * * If they are upset, I still believe that by that time, we will be in a better position even with such dissolution than we would be otherwise; and I see no danger whatsoever of any criminal liability because the cases are necessarily so doubtful in the matter of law that they could never get any jury to convict and I doubt if any prosecuting officer would ever attempt any criminal action. Criminal action in cases of this sort, so far, has practically been non-existent."

I would sustain the decree of the district court, for the reasons it gave, in all of the paragraphs mentioned.

Mr. Justice RUTLEDGE, (dissenting in part):

With Mr. Justice BLACK, in whose opinion I join, I concur in the Court's judgment to the extent that it sustains the district court's findings and decree. But, with two exceptions, I dissent from the more important revisions made in the decree.

In anti-trust injunction suits the court's function is twofold, to determine liability and to fashion the remedy to fit the fault. Perhaps in some cases the two things may be treated substantially independently. More often they are so interwoven that separation becomes impossible, if other than warped justice is done. This case is of the latter sort. But the Court's modifications largely disregard this fact.

The story involves a quarter of a century of Sher-

[24] The Government suggests that the paragraph should be revised to read: "with the intention of never making commercial use of the inventions covered thereby, provided that failure to make such use within four years from the date of issuance of patents thereon shall be deemed prima facie proof of the presence of such intention at the time of the filing or prosecution of such applications."

[25] *United States* v. *Bell Telephone Co.*, 167 U. S. 224, 249, 79 O. G. 1362; *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 424, 429, 430, 136 O. G. 1297.

[26] H. R. 13876, 62d Cong., 1st Sess. (1911); H. R. 22203, 62d Cong., 2d Sess. (1912); S. 3297, 67th Cong., 2d Sess. (1922); H. R. 6864, 75th Cong., 1st Sess. (1937).

[27] S. 3325, 67th Cong., 2d Sess. (1922); S. 3474, 69th Cong., 1st Sess. (1926); S. 705, 70th Cong., 1st Sess. (1927); S. 203, 71st Cong., 1st Sess. (1929); S. 22, 72d Cong., 1st Sess. (1931); S. 290, 73d Cong., 1st Sess. (1933); S. 383, 74th Cong., 1st Sess. (1935); S. 2491, 77th Cong., 2d Sess. (1942).

[28] *United States* v. *Socony Vacuum Oil Co.*, 23 F. Supp. 937, affirmed 310 U. S. 150.

[29] 38 Stat. 736; 15 U. S. C. § 24. "That whenever a corporation shall violate any of the penal provisions of the anti-trust laws, such violation shall be deemed to be also that of the individual directors, officers, or agents of such corporation, who shall have authorized, ordered, or done any of the acts constituting in whole or in part such violation, and such violation shall be deemed a misdemeanor * * *"

man Act violation.[1] Necessarily it has been sketched here only in outline. The bare bones of the history show, as rarely has been done, the combination's expanding scope, the corresponding growth of design, the varied, but often devious and ruthless methods, as well as the ultimate total success of this long adventure in monopoly and unlawful restraint of trade.[2] Without the color supplied by detail, however, the excursion's true character is hardly half revealed. The full effect cannot now be given. It appears in the district court's careful and restrained opinion, 46 F. Supp. 541, buttressed in every conclusion, nearly every page, from writings accumulated, while the combination grew, in the files of the principal participants,[3] and in other published documents.[4]

This emphasis upon the complete picture, in color and detail is pertinent to liability. It bears even more directly on the quantity and character of relief required to uproot the combination's destructive and unlawful effects. Without this view many of the decree's provisions cast in dry legal terms denuded of the life and history which brought them forth seem drastic. With it they take a wholly different aspect.

One may start with the Court upon the basic idea that in such a proceeding, the decree's function is not to impose sheer "punishment" for past misconduct, but is rather to devise effective measures to prevent its repetition and dissipate its consequences. This does not mean however that there is any clear, sharp line which can be drawn on the crux of past and future between punishment and prevention or dissipation; or that this difference should be translated into the implicit assumptions which seem to underlie the Court's extensive revisions of the decree and thereby strip it in great part of effectiveness. The assumptions relate to the respective functions of trial and appellate courts in framing the decree as well as to the criteria by which are to be gauged the quantity and quality of relief needed to be effective.

It seems to be implied from the number, character and detail of the revisions that it is the business of this Court to rewrite the decree, substituting its own judgment for that of the district court when there is difference concerning the wisdom or need of a particular provision. A supporting notion, apparently, is that the "equity" procedure to enforce the Act is hedged with the same limitations nonstatutory equity has placed about its action as a system of private remedial litigation. Both these ideas have backing in a third misconception, that men who have misused their property, and acquired much of it, by violating the Sherman Act, are free for the future to continue using it as are other owners who have committed no such offense; and that consequently the appropriate relief affecting such use is the least restriction which possibly will prevent repetition of past violations. Cf., however, *United States* v. *Union Pacific R. R.*, 226 U. S. 470, 477. Except upon these assumptions, the Court's major revisions of the decree cannot be justified.

Shortly, in my view it is not this Court's business to fashion or rewrite the decree. Where the trial court, with obvious care and judgment, has devised measures it deems essential to protect the public interest and we agree they may be sufficient, our modifications by watering them down should stop with directions to eliminate provisions contrary to law or those we can say amount to an abuse of discretion. *United States* v. *Crescent Amusement Co.*, 323 U. S. — (slip sheet opinion, p. 8). Changes imposing greater restrictions should be made only when the decree is insufficient to accomplish the protection required. Ibid. The reasons which thus ordinarily restrict the scope of appellate review have magnified force in anti-trust proceedings. Their complex character usually requires, as in this case, months or years for the trial court's consideration. With its maximum attention, this Court cannot possibly attain the same detailed familiarity with the cause. Nor can it frame, at long distance, with the same assurance, a decree adequate for the necessity.

The so-called equitable character of the proceeding does not nullify this inherent limitation upon appellate judicial action. Nor does it justify an attitude which would circumscribe the suit or the relief with the limitations courts of equity traditionally have put around their action in private litigation. The anti-trust injunction suit is in form "a proceeding in equity." In substance, it is a public prosecution, with civil rather than criminal sanc-

[1] The district court found " . . . that there has not only been a violation of the anti-trust laws, beginning with the first agreement between Hartford and Empire in 1916, but I am convinced that this violation of the laws was as deliberate as any that I can find in a review of antitrust cases." 46 F. Supp. 541, 552–553 [55 USPQ 14, 25]. Hartford and Lynch were also found guilty of contracting in violation of the Clayton Act.

[2] Sixteen pages of the trial court's opinion are given to a summary of manifestations of conscious guilt. The instance cited in the opinion of Mr. Justice BLACK is illustrative. See also text infra at note 10. The methods employed ranged from suggestions for "cooperation" to the division of fields within the industry and the squeeze-out of rivals, ruthlessly and constantly through the system of licensing and leasing which the court found was "the greatest abuse." Cf. text infra at note 15. Hazel-Atlas was a hold-out until the "three-way partnership" agreement of 1943. The long showing how that company finally was brought "within the family" is particularly interesting in disclosing the methods used in bringing a rival to book.

[3] Characterizing the case as "primarily documentary," though also noting the "reticence of some of the key witnesses to disclose what plainly was within their knowledge as principal actors in the main conferences that occurred over a period of time," the court said: " . . . in this case, the men who planned and directed the proceedings under scrutiny, from 1916 down to the time of the filing of the complaint herein, left behind them numerous exchanges of letters and many memoranda executed contemporaneously with the happening of the main events and designed for the information of their contemporaries, their boards of directors, or for their successors in office. It is hard to imagine a case in which a court would have more first-hand information of what the parties did and intended than in the case at bar." (P. 553.)

[4] See the reports of the Temporary National Economic Committee, the disclosures of which were largely responsible for the institution of this proceeding. Investigation of Concentration of Economic Power, Sen. Doc. No. 95, 76th Cong., 1st Sess. (1939); ibid., Sen. Doc. No. 35, 77th Cong., 1st Sess. (1941); ibid., Monograph No. 31, Hamilton, Patents and Free Enterprise, 76th Cong., 3d Sess., Senate Committee Print (1941).

tions, for vindication of public right and for redress and prevention of public injury. To regard the fashioning of appropriate relief in such a suit as identical with the same function in private litigation is to disregard at once the former's statutory origin, its public character, and the public interest it protects. The equitable garb of the proceeding therefore does not determine or conceal its true character. Nor does it limit the required relief merely to what will prevent repetition of the illegal conduct by which the combination has been formed, its property acquired, and its dominating position secured.

The contrary view ignores the momentum inherent in such a combination. The power, and much of the property, now aggregated in the combination's hands and those of its principal participants, was gathered by unlawful methods, at the expense of the public and competitors.[5] Presumably neither power nor property could have been accumulated by lawful means. Nor can they now together be transferred legally to another. The loosened restrictions of this Court's revision may be sufficient to prevent, for the future, further acts of the character and having the effects of the past violations. But the pool has acquired more than 800 patents, which control the industry, of which Hartford alone holds more than 600. Its members, including Hartford, are not compelled to disgorge any of these, or prohibited to acquire others. Many of the patents, and certainly the cherished "patent position," [6] were secured only by virtue of the illegal conduct. Whatever benefits may flow from these patents and the patent position thus created are inevitably the consequences of that conduct.[7] Merely to throw off the illegal practices, such as restricted and discriminatory licensing, cannot reach those consequences. Every dollar hereafter, as well as heretofore, secured from licenses on the patents illegally aggregated in the combination's hands is money to which the participants are not entitled by virtue of the patent laws or others. It is the immediate product of the conspiracy. To permit these patents to remain in the guilty hands, as sources of continuing lucrative revenue, not only does not deprive their owners of the fruit of their misconduct. Rather it secures to them its continued benefits. The pool may no longer utilize illegal methods. It, and the constituent members, will continue to enjoy the preferred competitive position which their conduct has given them and to use both that position and the ill-gotten patents, together with the patent position, to derive trade advantage over rivals and gain from the public which the patent laws of themselves never contemplated and the anti-trust laws, in my opinion, forbid.[8]

These considerations were before the district court's mind when it devised the decree. Concluding its opinion, that court made a "statement of the principles to be followed" in framing the decree which throws light particularly upon its considered views of the relief required. It stated, with undisputed evidence [9] to sustain its conclusion:

> The court believes that no half-way measures will suffice. There has been a deliberate violation of the law, and it is the duty of the court to do what he can to make certain that these violations of the law will cease and will not be resumed in the future and that competition will be restored in the industry. The record discloses that some of the individual defendants anticipated legal action by the Government, and went ahead in spite of that and violated the law. They also tried to anticipate the remedies that might be applied and did what they could to forestall the effect of such remedies and retain the benefits of their unlawful actions. The court intends to make certain that this does not occur.[10] (P. 620.)

The Government has requested the dissolution of Hartford, keystone of the combination.[11] In view of controlling authorities relating to violations not less extensive or more clearly proved,[12] it hardly could be said, and this Court's opinion does not say, that if dissolution of Hartford had been ordered, this would have constituted an abuse of discretion. The district court did not deny that remedy. Rather it reserved the question for later determination, undertaking meanwhile a milder remedy. In its own

[5] Referring to the defendant's argument "that the price of glassware to the consumer has not increased," the district court's opinion stated (p. 620), "But again this is not a good defense if there have been violations of the law. Moreover, the history of the case shows the great extent to which automatic machinery has come into use within the past forty years. It is natural to assume that the cost of production would decrease with the great influx of automatic machinery. Evidently the defendants managed to retain this saving in the cost of production by means of the conspiracy herein, which is manifested by the large profits in the industry. The benefits certainly were not passed on to the public." Previously the court had found that, "Dominance over the entire industry is today so complete that at any time within the choice of Hartford and Owens prices to the consumer of glassware may arbitrarily be raised beyond all reason." (P. 619 [55 USPQ at 92].)

[6] Illustrative of the combination's purpose in this respect is Levis' report to Owens' board of directors in November, 1929: "Our negotiations with Hartford-Empire Company and others, so far as our patent situation and royalty income is [sic] concerned, should be to attempt to secure a position whereby we pay no royalty on any item we produce and we attempt to have all others pay royalty on every item they produce, we participating with anyone else in the royalties they receive."

[7] With reference to the contention that the amendments made by the defendants in their contract relations, without the court's knowledge, between the filing of the complaint in 1939 and the closing of testimony over two years later, the court said: "Men cannot, by illegal means, erect an illegal structure—a structure of dominance and control over an industry vital to the welfare of the public—and then, by destroying the illegal means by which the structure has been erected, take the position that they have reformed, that they have adopted a new course of conduct, and that they should go on their way unmolested by the law—as long as the illegal structure and its adverse effects upon the public remain." (P. 618 [55 USPQ at 91].)

[8] Cf. notes 13 and 17 infra.

[9] Throughout the litigation the facts have been substantially undisputed in consequence of the documentary and conclusive character of the proofs. Cf. note 3 supra. The dispute has been primarily over the inferences to be drawn from the facts, the defendants contending, in the words of the district court (p. 615), that "any control that may exist over the production and marketing of unpatented glassware is but the result of a normal exercise of the patent privilege," with like contention, of course, concerning the production and licensing of glass-making machinery. The contention merely poses the basic question of law in the case.

[10] Cf. notes 2 and 13.

[11] Unless, in fact, this were Corning, which since 1922 has owned, or controlled, 43 per cent of Hartford's stock. According to the district court, Corning "in practical effect had sufficient control over Hartford to dictate the policies of Hartford in accordance with Corning's wishes." (P. 557 [55 USPQ at 30].)

[12] *Standard Oil Co.* v. *United States*, 221 U. S. 1; *United States* v. *American Tobacco Co.*, 221 U. S. 106.

words, referring to the Government's request for dissolution, the opinion stated [55 USPQ at 93]:

> The court, however, is *first* going to make an attempt to avoid that, *if it is possible to do so* and at the same time restore competition to the industry. *If this cannot be worked out* to the satisfaction of the court, *dissolution will be ordered.* [Emphasis added.]
> The first step to be taken is the immediate appointment of a receiver or receivers of Hartford. The court is going to deny any stay from the appointment of such receivers. It is believed to be absolutely necessary that the receivers take over the management of Hartford forthwith. (P. 620.).

Among the reasons assigned for this action were, first, important changes made by Hartford without the court's knowledge during pendency of the suit, involving heavy financial obligations of Hartford "for the advancement of the interests of the companies involved," including the transfer of three important patents to Corning which the court felt was "for the obvious purpose of continuing Corning's monopolies regardless of the outcome of this suit";[13] second, to prevent any further abuse of the patent privileges of Hartford and any further violation of the law, since "under the circumstances disclosed by the evidence, the court feels that this can only be done through court officers"; and, third, to conserve the assets of Hartford and preserve the status quo. Pending appeal, therefore, and final determination of the cause, the receivers were directed to take over Hartford's management, continue operation under its existing contracts and agreements for licensing and for leasing its machines, and to receive, set aside and earmark the funds received from licensees, holding them for return to the licensees if the court's decree should be affirmed. Finally, the receivers were to remain in control "until the court is satisfied that the abuses and violations of the law have ceased, until the orders of the court have been carried out, and until the court is satisfied that there no longer remains a reasonable probability that these practices will be resumed. If, after the expiration of a reasonable time, it appears to the court that the steps he is now taking are insufficient to restore a free and competitive status to the industry, the receivers shall be ordered to submit a plan or plans for the dissolution of Hartford." (P 621 [55 USPQ at 94].)

From this portion of the opinion it is perfectly clear that the district court has made no final decision concerning the dissolution of Hartford, as it was and still is entitled to do; and that it regarded the receivership as a necessary alternative to granting that relief at once. No other conclusion can be drawn than that the Court, if compelled to choose between dissolution and permitting Hartford then to continue under its own management, unhesitatingly would have decreed its dissolution. The court in so many words stated, with reasons to support its view, that Hartford's management could not be trusted to carry out the terms of its decree, to refrain from further patent abuses and violations of the law, but on the contrary already had taken steps to circumvent, in part, whatever remedy might be imposed.[14]

Receiverships generally are to be avoided, if possible. But there are times when they remain essential. If in any circumstances they are so, it would seem to be in these. Yet this Court's judgment directing termination declares, in the face of the district court's findings and the evidence which clearly sustains them, that the receivership, though useful to preserve the status quo pending decision here, was "not necessary to the prescription of appropriate relief" and should be wound up, and that the business should be returned to Hartford. This is not merely a decision that the receivership was not justified "in the light of what is hereafter said as to the substantive provisions of the decree." It is a substitution of this Court's judgment for that of the district court on the question of dissolution of Hartford, which it reserved, foreclosing it from decision. It is likewise a substitution of this Court's judgment for that of the district court on the question whether "the abuses and violations of the law have ceased," also reserved for future decision, and whether the management of Hartford, in the face of the evidence and the findings, can be trusted now to carry out the terms of the decree or were worthy of that trust when the decree was entered. All this, in advance of determination of the facts, which this Court cannot ascertain, on which the decision of these questions must turn.

Such an invasion of the trial court's function, it seems to me, perverts both that function and our own. If that court's findings, justifying the receivership and the reservation of decision on dissolution, were contrary to the law or the evidence, that should be demonstrated and declared. If they constituted an abuse of judicial discretion, the nature and character of the abuse should be pointed out. If they were neither, this Court goes beyond its province by substituting its own long-distance judgment for the immediately informed view of the district court and in precluding it from judgment, upon issues rightly to be determined by it, in the first instance, whatever the standard which governs review, and in the circumstances rightly reserved by it for future decision. The action of the district court in appointing receivers should be affirmed and, upon remand of the cause, its power should be unfettered to retain them pending its finding of the conditions specified in its opinion and decree for restoring the business of its owners or, in the alternative, to decree dissolution of Hartford, within a reasonable time.

The Court's more important revisions of the "permanent steps" taken by the district court may be noticed shortly. The latter's opinion declared (p. 621 [55 USPQ at 94]): "The most important ques-

[13] The trial court's conclusions concerning these changes, cf. text infra at note 14, may be considered in the light of the other evidence showing consciousness of violation, with anticipation of remedial action, cf. note 2 supra, and of practices by which domination obtained under patents was maintained after they had expired, e. g., Hartford's refusal to license others than Corning to make heat resistant ware and oven ware on its feeders after Corning's patents on glass composition for these wares had expired in 1936. (P. 556 [55 USPQ 28–29].) Cf. also Owens' continued domination of the suction field, note in this Court's opinion, by use of improvement patents after its basic patent had expired.

[14] Cf. note 13 supra.

tion is with respect to the licensing and lease system now used by Hartford. The court believes that this is the greatest abuse. It is through the licensing and lease system that Hartford retains control over and dominates the industry."[15] The court stated its view that "there will be further abuses in the future as long as there is a semblance of that system remaining. It is the opinion of the court that this entire system must be abolished." Accordingly it required for future distribution "outright sale at reasonable prices" in place of the leasing of machines, with that method's obvious danger of repossession in case the lessee should fail to observe practices established by the lessors, tacitly or otherwise. The court also required the licensing, royalty free, of existing patents upon glass-making machinery.

In my opinion both measures were fully justified by the findings and the evidence. The leasing of patented machinery or instruments lends itself particularly to the creation and maintenance of monopolistic effects far beyond the life and scope of the controlling patent or patents.[16] The holder of a patent who observes the law is entitled to exercise his rights of ownership through lease as well as sale. When however he uses his patent right, by the device of leasing, to acquire a monopolistic position stronger than the patent allows, and on being called to halt is not compelled to dispose of the patent, he subjects himself to whatever measures are required to prevent continuance of the practice in the future and to uproot the illegal position and advantage he thus obtains. In my opinion the district court's finding that further abuses would continue, especially in view of the dangers inherent in the right of repossession, justified its prohibition of the further use of the leasing system.

The requirement of licensing of existing patents, royalty free, would present greater difficulty if the violation had not been so gross and so long continued. But because it was both, and because the patents and patent position illegally to acquire other patents and consolidate still stronger positions, it is impossible now to determine what patents members of the combination may have acquired illegally. The certainty is however that many were so acquired.[17] Since the pool and its members are not required to dispose of the patents, any revenues now received by them from the existing patents are the result, and inevitably will continue to be the result, of the owners' violation of the law. To permit the continued collection of royalties would be to perpetuate, for the lives of the patents, the illegal consequences of the violations. That the court is bound, in equity, and by the statute, not to do.

It is said however that the Government has not asked, in this suit, for cancellation of the existing patents and that this provision of the decree amounts to that. The defendants, it is true, cannot derive royalties from them under the terms of the decree, if they continue to distribute machinery and glassware in interstate commerce. If this is drastic, it is because the violation was drastic and there is no other way now, short of dissolution or cancellation, to cut off its continuing effects of disadvantage to the public and the industry or of benefit to the violators. The court, seeking to avoid dissolution, had the duty to apply a remedy equally adequate. *United States* v. *Terminal Railroad Association of St. Louis*, 224 U. S. 383, 409. It could not do this, if the pool were left a continuing source of revenue to the violators and of burden to the public. Accordingly it required the agreement for license, royalty free. Since cancellation was not required in terms, it does not follow merely from the royalty free provision that the effect will be the same or that the defendants will not have the benefit of other incidents of ownership which may be exercised without perpetuating the unlawful consequences of the past misuse, such as realizing the value of the patents by sale, made upon proper application with the court's approval.[18]

This Court's revision of the decree in this respect loads upon the industry and the consuming public continuing charges in favor of those who have violated both the anti-trust statutes and the patent laws, a burden which will not end until the last of the illegally aggregated patents has expired, if then. They both foreclose dissolution and forbid the only other remedies equally adequate. So to perpetuate the unlawful consequences of violation will not discourage, it can only encourage setting the law at naught.

From what has been said it follows, of course, that the court properly impounded Hartford's revenues from leasing and licensing arrangements and that these should now be returned to the sources whence received. Again, contrary to the Court's implicit assumption, the mere fact that during this period there were no new violations does not mean there were not continuing effects of former ones.

The modifications made in paragraph 29, relating to restrictive licensing, should not go beyond restricting the paragraph to glass products and glass machinery, as the Government now concedes should be done. The provisions of the decree concerning the "fencing" and "blocking" of patents should stand, in view of the proven abuses in applying for patents merely to prevent others from obtaining them. Other revisions are too numerous to mention specifically, except two. I concur in the elimination

[15] Cf. note 2 supra.

[16] Cf. the statement, in 1922, of V. M. Dorsey to A. D. Falck, of Corning: "F. G. Smith, in private, suggested to me the most revolutionary theory, which he will no doubt talk to you about, viz., putting out the feeders very much like telephones are installed, that is, with an installation charge with a flat royalty plus royalties on production above a given amount. I think it has much to be commended. It would certainly put the pirates out of business quickly."

[17] Cf. note 7 supra, and the instances cited from Exhibit 76 in the district court's opinion, 46 F. Supp. 541, 604–606 [55 USPQ 14, 77–80] which caused it to raise the question why criminal prosecution had not been instituted.

[18] Even a disposition so guarded would realize for the owner the fruit of his wrongdoing in the case of patents illegally acquired and integrated in the pool. But it would terminate the continuing benefit to him and the possibility of his further misusing the patent to the public harm.

of the individual defendants, Collins, Fulton, Fisher, and Dilworth, from the restrictions of the decree, for the reasons stated in the Court's opinion. I concur also in the modification which requires the dissolution of the Glass Container Association, since the terms of the decree substantially accomplish this and the district court expressly found the association had been "a breeding place for many of the illegal practices established herein."

The case presents again the fundamental problem of accommodating the provisions of the patent laws to those of the anti-trust statutes. Basically these are opposed in policy, the one granting rights of monopoly, the other forbidding monopolistic activities. The patent legislation presents a special case, the anti-trust legislation the nation's general policy. Whether the one or the other is wise is not for us to determine. But their accommodation is one we must make, within the limits allowed to the judicial function, when the issue is presented.

The general policy has been to restrict the right of the patent-holder rigidly within the terms of his grant and, when he overreaches its boundary, to deny him the usual protections of the holder of property. That this ordinarily has been done in infringement suits [19] or suits for cancellation does not qualify the fact or the policy. On the other hand, the anti-trust statutes have received a broad construction and corresponding enforcement, where violation has been clearly shown. When the patent-holder so far overreaches his privilege as to intrude upon the rights of others and the public protected by the anti-trust legislation, and does this in such a way that he cannot further exercise the privilege without also trespassing upon the rights thus protected, either his right or the other person's, and the public right, must give way. It is wholly incongruous in such circumstances to say that the privilege of the trespasser shall be preserved and the rights of all others which he has transgressed shall continue to give way to the consequences of his wrongdoing.

This is substantially what the defendants have sought in this proceeding and this Court's revision of the decree has granted in large measure. So inverted an idea of equity, or of the law, cannot stand. In a machine age, dominated so widely by patents, the effect can be no other than largely to nullify the anti-trust laws. There may be instances in which a patent holder, guilty of violating those statutes, can so separate his violation and its continuing effects from further full exercise of his patent right that he may become entitled to a form of relief which will permit this. Unless we are to disregard entirely the findings and conclusions of the district court, supported by overwhelming evidence, this is not such a case.

The Court's major modifications, in my opinion, emasculate the decree.

Mr. Justice BLACK joins in this dissent.

[19] Cf. Note 12 supra.

Supreme Court of the United States

HARTFORD-EMPIRE CO., F. GOODWIN SMITH, BARTLETT ARKELL, ET AL.
v.
THE UNITED STATES OF AMERICA

CORNING GLASS WORKS, EMPIRE MACHINE CO., ALEXANDER D. FALCK, ET AL.
v.
THE UNITED STATES OF AMERICA

OWENS-ILLINOIS GLASS CO., WILLIAM E. LEVIS, E. F. MARTIN, ET AL.
v.
THE UNITED STATES OF AMERICA

HAZEL-ATLAS GLASS CO., J. HARRISON MCNASH, WALTER H. MCCLURE, ET AL.
v.
THE UNITED STATES OF AMERICA

THATCHER MANUFACTURING CO., H. C. MANDEVILLE, R. W. NIVER, ET AL.
v.
THE UNITED STATES OF AMERICA

LYNCH CORPORATION, THOMAS CHANDLER WERBE, E. G. BRIDGES, ET AL.
v.
THE UNITED STATES OF AMERICA

Nos. 2–7. Decided April 2, 1945

[— U. S. —; 65 USPQ 1]

1. ANTITRUST LAWS—VIOLATION—MODIFICATION OF DECREE ON APPEAL.

"In the many cases which have come here for review of decrees in suits brought by the Government for violation of the Sherman Law, it has never been suggested that this Court must accept the decree fashioned by the trial court, if we affirm that court's findings as to violation of the statute, and cannot modify the terms of relief as drafted by the court below. The practice has been the contrary. This is not only in conformity to the unquestioned power of an appellate court in an equity cause, but because in suits under the Sherman Act, it is unthinkable that Congress has entrusted the enforcement of a statute of such far-reaching importance to the judgment of a single judge, without review of the relief granted or denied by him."

2. SAME—SAME—RECEIVERSHIP—RENTS AND ROYALTIES.

Where the district court continued in office the receiver it had appointed for Hartford pendente lite, and directed him to continue the receipt of royalties under existing licenses, these to be repaid to the licensees on the decree becoming final; but upon appeal that decree was required to be modified, *Held* that in view of the modifications required "such licensees must pay reasonable rental and service charges on a quantum meruit basis, (leaving out of consideration any amount otherwise payable for the privilege of practicing the patented inventions involved) in respect of the machines used in the interim;" that unless Hartford "has been guilty of some added violation of the antitrust laws, licensees must elect (*a*) to remain licensees on such reasonable rental and royalty basis for the future as the district court may fix, or (*b*) repudiate the leases and litigate their rights as against Hartford to retain any portion of the rents and royalties paid;" and that "depending upon such election of each of the lessees, the district court may, on the application of each, make an appropriate order for the disposition of the fund in the light of the licensees' election and the principles stated in the opinion."

3. APPEAL—REMAND.

"The Government expresses apprehension lest the statement in the opinion that the decree of the district court is vacated and the cause remanded for further proceedings would result in the existence of no judgment in effect in the interval between the issue of this Court's mandate and the formulation of a new decree by the district court. We need only say that the decree from which the appeal was taken stands until further order or orders are entered by the district court pursuant to mandate."

4. ANTITRUST LAWS—VIOLATION—PATENTS—LEASING—LICENSING.

Held that Hartford should "be compelled to lease machinery covered by its patents according to its past practice, on reasonable terms, and should be required to license the patents involved for manufacture and use or sale, also on reasonable terms;" that Hartford and the other corporate defendants mentioned in paragraph 24 of the decree entered by the district court should be required to lease or license glass making machinery of the class each now manufactures or leases to any who may desire to take licenses; that "the corporate defendants are required to license all applicants to make, use, or sell the patented machines at reasonable royalties;" that the royalties to be charged by Hartford are to be "uniform reasonable royalties" and may include "rental of the machines, the servicing of the machines, or the use of the patents for the production of glassware on the leased machines, the licensee to have the option at his election to take and pay for any or all of these privileges;" and that "Hartford should also be required to license the patents for manufacture for use or sale, but with the limitation that similar licenses at uniform reasonable royalties must be available to all who desire them."

5. SAME—SAME—DISSOLUTION OF CORPORATION TO CORRECT VIOLATIONS.

"The district court, in its opinion, concluded, and we think properly, that in the situation presented a dissolution of Hartford and a distribution of its patents into various hands would create a worse situation than that envisaged by the district court's decree. We think this is equally true of the status to be established by the modification of the decree required by our opinion. • • • If it be found that a decree entered in accordance with this Court's opinion has failed to bring about a correction of the violations of the anti-trust law which are the basis of the relief granted, it will of course be open to the Government, on a proper showing, to apply for further or other relief."

ON PETITION for clarification or reconsideration. Opinion of January 8, 1945, clarified.

Mr. Justice RUTLEDGE dissenting with opinion in which Mr. Justice BLACK joins.

Mr. John T. Cahill (*Mr. Thurlow M. Gordon, Mr. Jerrold G. Van Cise,* and *Mr. Stuart S. Wall* on the brief) for Hartford-Empire Co., F. Goodwin Smith, Bartlett Arkell, et al.

Mr. Boykin C. Wright (*Mr. George Nebolsine, Mr. John W. Nields,* and *Mr. Halsey Sayles* on the brief) for Corning Glass Works, Empire Machine Co., Alexander D. Falck, et al.

Mr. Robert T. Swaine (*Mr. Lloyd T. Williams, Mr. Henry A. Middleton, Mr. George B. Turner,* and *Messrs. Cravath, Swaine & Moore* on the brief) for Owens-Illinois Glass Co., William E. Levis, E. F. Martin, et al.

Mr. Stephen H. Philbin (*Mr. Joseph D. Stecher* on the brief) for Hazel-Atlas Glass Co., J. Harrison McNash, Walter H. McClure, et al.

Submitted by *Mr. Ralph Emery* for Thatcher Manufacturing Co., H. C. Mandeville, R. W. Niver, et al.

Mr. Lehr Fess (*Mr. Frank S. Lewis, Messrs. Doyle, Lewis & Warner, Mr. Albert Diven,* and *Messrs. Pence, O'Neill & Diven* on the brief) for Lynch Corporation, Thomas Chandler Werbe, E. G. Bridges, et al.

Mr. Samuel S. Isseks and *Mr. Hugh B. Cox* (*Mr. Charles Fahy, Mr. Wendell Berge, Mr. Lawrence S. Apsey, Mr. Robert L. Stern, Mr. Edward H. Levi, Mr. Philip Marcus, Mr. Victor H. Kramer, Mr. Frank Shields, Mr. Seymour D. Lewis,* and *Mr. Lawrence C. Kingsland* on the brief) for The United States of America.

Mr. Justice ROBERTS delivered the opinion of the Court.

Subsequent to the announcement of the decision of the Court in the above cases, the United States filed a petition for clarification or reconsideration.

[1] We have no occasion to reconsider the opinion as respects the necessity for modification of the decree entered by the district court. In the many cases which have come here for review of decrees in suits brought by the Government for violation of the Sherman Law, it has never been suggested that this Court must accept the decree fashioned by the trial court, if we affirm that court's findings as to violation of the statute, and cannot modify the terms of relief as drafted by the court below. The practice has been the contrary.[1] This is not only in conformity to the unquestioned power of an appellate court in an equity cause, but because in suits under the Sherman Act, it is unthinkable that Congress has entrusted the enforcement of a statute of such far-reaching importance to the judgment of a single judge, without review of the relief granted or denied by him.

In order that there may be no misunderstanding we think it well to add to the opinion in the following particulars.

[2] The opinion states [64 USPQ at 30]:

"The royalties paid to the receiver by Hartford's lessees may, unless the district court finds that Hartford has, since the entry of the receivership decree, violated the anti-trust laws, or acted contrary to the terms of the final decree as modified by this opinion, be paid over to Hartford. In any event Hartford should receive out of these royalties compensation on a quantum meruit basis, for services rendered to lessees."

The Government points out that had it not been for the receivership, many of the licensees (most of whom were not parties to the proceeding) would have paid no further royalties to Hartford, and that they may be able to justify refusal of payment of any royalties from the date of the receivership, and ought not to be put into the position of recover-

[1] *Swift & Co.* v. *United States,* 196 U. S. 375, 396; *Harriman* v. *Northern Securities Co.,* 197 U. S. 244; *Standard Oil Co.* v. *United States,* 221 U. S. 1, 81; *United States* v. *American Tobacco Co.,* 221 U. S. 106, 184; *United States* v. *St. Louis Terminal R. Assn.,* 224 U. S. 383, 409; *United States* v. *Union Pac. R. Co.,* 226 U. S. 470; *United States* v. *Swift & Co.,* 286 U. S. 106; *Local 167* v. *United States,* 291 U. S. 293, 299; *Sugar Institute* v. *United States,* 297 U. S. 553, 602; *United States* v. *Univis Lens Co.,* 316 U. S. 241, 254 [53 USPQ 404, 409], 540 O. G. 481; *United States* v. *Bausch & Lomb Optical Co.,* 321 U. S. 707, 723–728 [61 USPQ 61, 68–70].

ing royalties paid to the receiver, from Hartford.

It has been open to each of these licensees at any time to repudiate its lease and license, to return the leased machinery, to refuse to pay further rentals or royalties, and to defend any suit arising out of such refusal to pay, either for infringement or otherwise. It may be that licensees have not taken this course because they relied on the decree as entered by the district court. In such reliance they may have expected that the moneys paid the receiver would be repaid to them.

In view of the modifications required by the opinion of this Court, such licensees must pay reasonable rental and service charges on a quantum meruit basis, (leaving out of consideration any amount otherwise payable for the privilege of practicing the patented inventions involved) in respect of the machines used in the interim. Unless Hartford, since the entry of the decree by the district court, has been guilty of some added violation of the anti-trust laws, licensees must elect (*a*) to remain licensees on such reasonable rental and royalty basis for the future as the district court may fix, or (*b*) repudiate the leases and litigate their rights as against Hartford to retain any portion of the rents and royalties paid. Depending upon such election of each of the lessees, the district court may, on the application of each, make an appropriate order for the disposition of the fund in the light of the licensees' election and the principles stated in the opinion of this Court.

[3] The Government expresses apprehension lest the statement in the opinion that the decree of the district court is vacated and the cause remanded for further proceedings would result in the existence of no judgment in effect in the interval between the issue of this Court's mandate and the formulation of a new decree by the district court. We need only say that the decree from which the appeal was taken stands until further order or orders are entered by the district court pursuant to mandate.

3. In various portions of the opinion direction is given for provisions in the decree relating to "feeders, formers, stackers and lehrs, and patents covering these or improvements of them, or methods or processes used in connection with them, * * *". It is said that this phraseology may omit the Owens and Hartford suction machine patents, including O'Neill suction patents acquired by Owens. The language used was intended to cover such suction machines.

[4] The opinion states [64 USPQ at 33]:

"Hartford and the other corporate defendants mentioned in paragraph 24 should be required to lease or license glass making machinery of the class each now manufactures to any who may desire to take licenses * * *".

It is suggested that this language might permit Hartford to cancel all its leases and retake the leased machinery.

That was not intended by the language used. It was intended that if persons desired to take a license instead of taking a lease, and Hartford were willing to license without leasing machinery, this might be done on reasonable terms. Hartford should of course be compelled to lease machinery covered by its patents according to its past practice, on reasonable terms, and should be required to license the patents involved for manufacture and use or sale, also on reasonable terms.

The Government finds some dubiety in the phrase, relating to revision of paragraph 24(*a*) of the district court's decree, viz., "should be required to lease or license glass making machinery of the classes each now manufactures to any who may desire to take licenses". The language is amended to add after the word "manufactures" the words "or leases".

The Government suggests that the opinion should be clarified to permit independent machinery manufacturers to obtain licenses. The opinion is so modified, and the corporate defendants are required to license all applicants to make, use, or sell the patented machines at reasonable royalties.

The Government apprehends that the use of the word "standard" with respect to the royalties to be charged by Hartford may be taken as a determination that present royalties are reasonable. To avoid any misunderstanding we substitute for the phrase "standard royalties" the phrase "uniform reasonable royalties". Such uniform reasonable royalties may include rental of the machines, the servicing of the machines, or the use of the patents for the production of glassware on the leased machines, the licensee to have the option at his election to take and pay for any or all of these privileges. Hartford should also be required to license the patents for manufacture for use or sale, but with the limitation that similar licenses at uniform reasonable royalties must be available to all who desire them.

[5] The Government desires that power be reserved to the district court to dissolve Hartford.

The district court, in its opinion, concluded, and we think properly, that in the situation presented a dissolution of Hartford and a distribution of its patents into various hands would create a worse situation than that envisaged by the district court's decree. We think this is equally true of the status to be established by the modification of the decree required by our opinion. The opinion did not disturb paragraph 57(A) of the decree entered below. If it be found that a decree entered in accordance with this Court's opinion has failed to bring about a correction of the violations of the anti-trust law which are the basis of the relief granted, it will of course be open to the Government, on a proper showing, to apply for further or other relief.

Mr. Justice DOUGLAS, Mr. Justice MURPHY and Mr. Justice JACKSON took no part in the consideration or decision of this case.

Mr. Justice RUTLEDGE, (dissenting):

The necessity for a second opinion, in effect a further detailed writing of the decree in this case, gives added point to the view expressed in an earlier dissent, 323 U. S. — [64 USPQ 18, 41], that this Court should not undertake the long distance writ-

ing of the detailed provisions for relief, amounting to a framing of the decree, in Sherman Act proceedings. I do not say that Congress has entrusted enforcement of the Sherman Act "to the judgment of a single judge."[1] I do say that his judgment upon the facts of this case is necessarily better informed than that of appellate judges, however conscientious or industrious; and accordingly his findings, when they are sustained without qualification upon the character and extent of the violation, are entitled to similar weight upon the character of the relief required, unless they exceed the limits imposed by law or amount to a clear abuse of discretion. Many of the detailed revisions made here in the decree cannot qualify in either category. A court which so accurately found the facts and made conclusions concerning the violation hardly can have erred so consistently or so grossly as this Court's action necessarily implies was the case.

Further elaboration of this view is not now required, except to say that if the Court is thus to take over the business of the trial courts, actually if not in form commingling its appellate with original jurisdiction, of course it should spare no pains to make its mandate clear or to correct minute errors inevitable in performing the task without having heard the evidence, however great the care given to it.

This reminder alone perhaps would not justify further objection by dissenting justices. It cannot be captious, however, if they find themselves unable to accept, through acquiescence by silence, stated views of the record at variance with their own. It is stated in the revised opinion that "the district court, in its opinion, concluded, and we think properly, that in the situation presented *a dissolution* of Hartford and a distribution of its patents into various hands *would create a worse situation than that envisaged by the district court's decree.*" [Emphasis added.] I am unable to locate such a finding or conclusion in the record.

A former dissenting opinion pointed out (323 U. S. — [64 USPQ 18, 41]) that the district court did not deny the Government's prayer for dissolution. It only deferred action on that request and this was expressly upon the condition that Hartford meet the conditions of its decree, including compulsory licensing, royalty free, and transfer of its management to court officers, not only pending appeal but until the court should find, after a reasonable time, that competition had been restored to the industry. The court expressly stated: "If after the expiration of a reasonable time, it appears to the court that the steps he is now taking are insufficient *to restore a free and competitive status to the industry*, the receivers shall be ordered to submit a plan or plans for the dissolution of Hartford." The court further said, "Dissolution is not resorted to by the court unless Hartford wills it so. The measures herein adopted by the court *are deemed necessary to install competition to the industry.* * * *" It previously had stated that "no halfway measures will suffice," that the government had requested dissolution, but that "the court, however, is first going to *make an attempt to avoid that, if it is possible to do so and at the same time restore competition* to the industry. If this cannot be worked out to the satisfaction of the court, dissolution will be ordered." [Emphasis added.] 46 F. Supp. 621, 622, 620[2] [55 USPQ 14, 94, 95, 93].

The district court has made no finding that competition has been restored to the industry. This Court does not purport to make one, and has no power to make one, in the absence of evidence to show that competition has been restored. No such evidence has been taken. Yet, as I read its terms, this Court's decree, including the present revisions, forbids the district court to make one upon remand of this cause.

Clearly competition had not been restored to the industry when the district court's decree was entered in August, 1942. The only occasion for its decree then, or for continuance now of the relief as modified, was and is to bring about such a restoration. This Court's original decree declared, "The receivership should be wound up and the business returned to Hartford." 323 U. S. — [64 USPQ 18]. That direction was made upon the assumption that the district court had concluded "that a continuance of certain of Hartford's activities would be of advantage to the glass industry and denied, *for the time being*, that form of relief," i. e., dissolution. 323 U. S. — [64 USPQ 18]. That assumption has now been stated in the present opinion as one that the district court "concluded, *and we think properly*, that in the situation present *a dissolution* of Hartford and a distribution of its patents into various hands *would create a worse situation* than that envisaged by the district court's decree." The further conclusion is expressed that "this is equally true of the status *to be established by the modification* of the decree required *by our opinion*." Unless this language is at once a ruling that dissolution was not justified and would not have been sustained, if ordered in 1942, and that it should not now be decreed, I am unable to understand its

[1] There can be no question of this Court's power to review and modify terms of relief in Sherman Act suits, when they exceed the limits imposed by law or amount to an abuse of discretion. As the Court's opinion indicates, this power has been frequently exercised, most often in the cases cited to strengthen rather than to weaken the remedy where violation has been found. *United States* v. *American Tobacco Co.*, 221 U. S. 107, 184; *United States* v. *Union Pacific R. Co.*, 226 U. S. 470; *United States* v. *Swift & Co.*, 286 U. S. 106; *United States* v. *Univis Lens Co.*, 316 U. S. 241 [53 USPQ 404], 540 O. G. 481; and in no instance substantially to the extent of rewriting the detailed provisions of the decree in extenso, as is done in this case; cf. *Swift & Co.* v. *United States*, 196 U. S. 375, 396; *Standard Oil Co.* v. *United States*, 221 U. S. 1; *Sugar Institute* v. *United States*, 297 U. S. 553; *United States* v. *Bausch & Lomb Optical Co.*, 321 U. S. 707 [61 USPQ 61]. In *Local 167* v. *United States*, 291 U. S. 293, the judgment and decree were affirmed without change, the Court observing, at 299: "The United States is entitled to effective relief. * * * In framing its [the decree's] provisions doubts should be resolved in favor of the Government and against the conspirators."

[2] It is hardly necessary to point out specifically the large difference between a finding that competition has been restored to the industry and one that "a dissolution of Hartford and a distribution of its patents into various hands would create a worse situation than that envisaged by the district court's decree."

meaning. That it is so effective appears from the further direction, "*If it be found* that a decree entered *in accordance with this court's opinion* has failed to bring about a *correction of the violations* of the anti-trust law which are the basis of the relief granted, it will of course be open to the Government, on a proper showing, to apply for further or other relief." [Emphasis added.]

In my judgment this effectively modifies, if it does not nullify, paragraph 57A of the district court's decree in so far as it reserved the power to order dissolution of Hartford, if after a reasonable time competition should not be restored, notwithstanding the apparent disclaimer of this effect. No finding can now be made, or can one be made for some time in the future, that "a decree entered in accordance with this court's opinion has failed to bring about a correction of the violations," much less that competition has been restored in the industry, for the simple reason that no such decree has been entered. If only such a finding can sustain an order for dissolution, obviously no such order can be made upon the remand of this case, whether or not the district court then might find upon conclusive evidence, that competition had not been restored, even under the more stringent terms of its decree. Only at some indefinite future time could such an order be entered, based upon evidence that the milder terms of this Court's decree had failed to restore competition.

In my opinion, therefore, the district court is foreclosed from finding that competition has not been restored, even under the more stringent provisions of its decree, during the nearly three years it has been in force. If in that time those measures have not been effective to restore competition, as the court clearly thought might prove to be true, the greatly softened measures of this Court's decree hardly can be expected to accomplish that object. Yet it effectually forbids the district court to examine the effects of its decree upon the restoration of competition, to make a present finding, if the evidence should justify it, that competition has not been, or cannot be, restored, and to decree dissolution accordingly.

In effect this Court finds the fact for itself, without evidence, and in my opinion without right. That is true unless the purpose is to rule, as a matter of law, that Hartford cannot now be dissolved and is entitled to continue in business, thus dominating the industry, even though competition has not been restored. This comes near, if not entirely, to destroying the long-established power to order dissolution.

I think also that the royalties collected and impounded by the court for Hartford's protection in the event of reversal of its judgment should be returned to those from whom they were collected. Apart from the view, previously expressed, that the district court's finding should not be disturbed to the effect that free licensing was required to restore competition if Hartford were to continue in business and in control of its more than 600 patents, these funds were collected only by reason of the district court's order requiring this in order to preserve the status quo pending appeal. No one can tell now whether or not the licensees, but for this order, would have elected to refuse to pay the royalties and litigate their right to do so. Those funds should not be returned to Hartford, to be retained by it as the product or consequence not only of its violation but also of the court's order.

Moreover, under the terms of this Court's revised decree, if the licensees who have paid in the royalties elect to remain licensees, and pay the reasonable royalties required "for the future," it is not clear that provision is made for repayment to them of any portion of the royalties collected which may be in excess of the reasonable royalties this Court's decree requires be paid for the future. The opposite appears to be the course directed. The revised opinion requires the licensees to elect "to *remain* licensees on such reasonable rental and royalty basis *for the future* as the district court may fix" or to repudiate the leases and litigate with Hartford their rights "to retain *any portion* of the rents and *royalties paid*." [Emphasis added.] Under the terms of the district court's decree, the receivers have collected rents and royalties "under the present contracts and agreements of Hartford in its licensing and lease system." Hartford has no more right to retain unreasonable royalties collected while the district court's decree has remained or continues to be in effect than it has to collect such royalties for the future.

Mr Justice BLACK joins in this opinion.

U. S. Court of Customs and Patent Appeals

IN RE ANDERSON

No. 5,013. Decided April 9, 1945

[148 F.(2d) 1015; 65 USPQ 428]

PATENTABILITY—GAS CLEANING APPARATUS.

Claims to gas cleaning apparatus *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Harold T. Stowell for Anderson.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner finally rejecting all of the claims, 6, 7, 9, and 10, of an application for a patent alleging new and useful improvements in Gas Cleaning Apparatus.

Claim 6 is illustrative of the subject matter and reads as follows:

6. Apparatus for separating suspended material from a stream of gas at a relatively high pressure, comprising a cylindrical outer shell having relatively thick walls adapted to withstand an internal pressure materially above surrounding atmospheric pressure, said shell having gas inlet and outlet and material discharge openings; upper and lower partitions spaced from each other and dividing the interior of said shell into a gas outlet compartment in the upper part of the shell, a separate material collecting compartment in the lower part of the shell, and an intermediate gas inlet compartment separate from both the other compartments, the compartments communicating respectively with the gas outlet, material discharge, and gas inlet openings in the shell; and a plurality of tubular centrifugal material separating units entirely within the shell and suspended from the partitions, all said units having gas inlet means at their upper ends communicating with the gas inlet compartment and material discharge means at their lower ends communicating with the material collecting compartment, and all the units having gas outlet means at their upper ends communicating with the gas outlet compartment, the partitions and separating units being so arranged that all compartments and the spaces inside and outside the separating units are subjected to the high pressure of the gas stream.

Claims 6, 9 and 10 were rejected as unpatentable over the British patent to Higginbottom, 2,117, January 26, 1897. Claim 7 was rejected as drawn to a non-elected species.

The application relates to an apparatus for separating material such as water, dust or other particles from gas by means of a centrifugal or cyclone separator possessing a plurality of tubular centrifugal units in parallel. The units are encased in a strong-walled cylinder divided by two lateral partitions to form three compartments. The head of the casing is provided with an exit for the cleaned gas passing from the top compartment. Suspended from the top partition are tubes which at their lower ends are provided with vanes in angled position and which extend into long parallel tubes, the lowest portions of which are open-ended inverted cones. Those tubes are further supported by the lower partition of the gas chamber and by a spider near the bottom end thereof, and the foreign matters separated from the gas are discharged by gravity through the cone openings into what is called the waste chamber, and carried off from the bottom thereof by a pipe. In the middle compartment is an opening for the entrance of gas which passes downwardly against the vanes, causing them to rotate, and by centrifugal force driving the foreign materials against the sides of the separation tubes, the cleansed gas going upwardly through the top compartment and exit. The enclosing cylinder is strong enough so that the gas under high pressure may be circulated through the apparatus, and the interior walls, which sustain only the difference in pressure from the gas inlet to its outlet, are relatively thin.

The Higginbottom patent discloses a device for cleansing gases and is of the same general character as that of the application and operates as a cyclone dust collector. The dust-laden current of air is caused to attain a whirling motion and the centrifugal force developed in the dust chambers causes the particles to be separated from the air and by gravity the dust drops into hoppers on the under side of the apparatus, the clean air going upwardly into the atmosphere.

Appellant in his brief states that:

The "idea" of the present invention is the conception of providing a multiple centrifugal separator with a *pressure-resistant* outer shell, divided by internal partitions into *three* compartments, so arranged that high pressure gas could be supplied to a plurality of separating units, the suspended material separated, and the cleaned gas withdrawn, all without lowering the pressure of the gas and without putting any pressure strains on either the partitions or the separating units. [Italics quoted.]

The British patent discloses a multiple centrifugal separator and is divided into two internal compartments. The suspended material is separated and the clean air withdrawn. Thus it will be seen that the only differences between the device of the reference and that of the application are that the outer shell of the former is not said to be pressure-resistant, nor is it divided internally into three compartments. The specification of the patent discloses that instead of the discharge tubes going into the outer air a second conduit might, if so desired, be added. This, of course, is a teaching of a third compartment in the device of the patent. Nothing in the patent discloses that high pressure gas could be supplied thereto, but as pointed out in the brief of the Solicitor neither the application nor brief of appellant states that he was the first to attempt to separate particles from air or gas by centrifugal force while holding the air at super-atmospheric pressure. Nor is it argued that the idea of separating particles from gases while under high pressure involves invention.

It seems clear to us that, if it be desired to keep gas in a container under pressure, the walls would have to be strong enough to withstand such pressure. If a cleaner of the cyclonic type such as is shown in the British patent were to be used with the air under high pressure, certainly it would be obvious to one skilled in the art to strengthen the walls so that the inner walls of the apparatus could not be under strain, because pressure on both sides would be equal.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,474,613, M. W. Arrowood, Feeding powdered fuel; Re. 17,427 (of 1,598,842), same, Apparatus for handling powdered fuel; Re. 17,908 (of 1,617,510), same, Furnace and method of burning fuel; 1,831,087, same, Apparatus for feeding powdered fuel; 1,838,521, same, Apparatus for and method of feeding powdered fuel; 1,856,902, same, Apparatus for burning powdered fuel, filed June 21, 1945, D. C., S. D. N. Y., Doc. 31/796, *M. W. Arrowood* v. *The Symington-Gould Corp.*

1,526,608, 1,590,852, J. Rabkonick, Arch supporting shoe, D. C., E. D. Mo., E. Div., Doc. 3298, *J. Radkonick, Sr.*, v. *Brown Shoe Co., Inc.* Judgment for defendant June 27, 1945.

1,550,017, N. Eckles, Fan-blade mechanism, D. C., S. D. Calif., C. Div., Doc. 3789, *L. W. Rhode* v. *Utility Fan Corp.* Dismissed with prejudice Nov. 2, 1944.

1,590,852. (See 1,526,608.) 1,598,842. (See 1,474,613.)

1,617,510. (See 1,474,613.) 1,831,087. (See 1,474,613.)

1,838,521. (See 1,474,613.)

1,839,530, V. F. Brun, Method and apparatus for forming rings; 1,839,531, same, Apparatus for rough forging rings, filed June 27, 1945, D. C. Wis. (Milwaukee), Doc. 2473, *J. Eckert* v. *F. Braun.*

1,839,531. (See 1,839,530.) 1,856,902. (See 1,474,613.)

1,879,003, G. A. Alles, Salts of 1-phenyl-2-aminopropane, filed June 26, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1001, *Smith, Kline & French Laboratories* v. *Gamma Pharmaceutical Co. et al.* Doc. 45c1003, *Smith, Kline & French Laboratories* v. *National Drug Laboratories, Inc., et al.*

1,919,500, T. E. Carpenter, Apparatus for controlling the flow of refrigerant in refrigerating apparatus, C. C. A., 6th Cir., Doc. 9923, *B. W. Rice et al.* v. *Nash-Kelvinator Corp.* Patent held invalid, judgment affirmed July 2, 1945.

1,959,264, J. Dugan, Radio direction and position indicating system, D. C., N. D. Ill., E. Div., Doc. 44c1148, *J. Dugan* v. *Lear Avia, Inc.* Cause dismissed for want of prosecution June 22, 1945.

2,086,256, H. G. Cisin, Amplifying circuit, D. C., S. D. N. Y., Doc. 26/27, *Engineering Development Laboratories, Inc.*, v. *R. C. A.* Judgment dismissing complaint June 26, 1945.

2,107,347, Sloane & Sloane, Reversible handbag cover, D. C., S. D. N. Y., Doc. 28/443, *Sloane Bros.* v. *Annette Handbag Co.* Consent judgment granting injunction against defendant on claim 3 July 5, 1945.

2,109,678, N. A. Nelson, Contact switch for ball rolling games, D. C., N. D. Ill., E. Div., Doc. 43c459, *Ace Patents Corp.* v. *Stoner Corp.* Cause dismissed with prejudice June 4, 1945.

2,177,627, R. G. Drew, Adhesive sheeting, D. C., N. D. Ill., E. Div., Doc. 44c202, *Minnesota Mining & Mfg. Co.* v. *International Plastic Corp. et al.* Claims 4, 5, 6, 8, 10, 11, 15, and 16 held valid and infringed, injunction June 25, 1945.

2,181,931, L. D. Wood, Process for extracting the essential principles of hops; 2,243,143, same, Preparation of hop extract; 2,248,153, same, Method of emulsifying the essential principles of hops, D. C., N. D. Ill., E. Div., Doc. 45c187, *J. N. Bantsolas* v. *National Beverage Laboratories, Inc., et al.* Cause dismissed without prejudice June 15, 1945.

2,197,089, N. A. Anderson, Method and apparatus for making boxes, D. C., N. D. N. Y., Doc. 514, *R. M. Berystein et al.* v. *Lowman Folding Box Corp. et al.* No infringement found, complaint dismissed June 29, 1945.

2,239,523, C. B. Hoak, Annealing furnace, filed June 26, 1945, D. C., N. D. Ohio, E. Div., Doc. 23054, *C. B. Hoak* v. *Empire Steel Corp.*

2,243,143. (See 2,181,931.) 2,248,153. (See 2,181,931.)

2,262,553, A. Nagel, Photographic apparatus of the magazine type; 2,262,570, O. Wittel, same, suit for declaratory judgment filed June 27, 1945, D. C., N. D. Ill., E. Div., Doc. 45c1019, *Revere Camera Co.* v. *Eastman Kodak Co.*

2,262,570. (See 2,262,553.)

2,278,336, 2,278,337, B. A. Tetzlaff, Clamp, filed June 11, 1945, D. C., N. D. Ill., E. Div., Doc. 45c903, *W. M. Siesel* v. *B. A. Tetzlaff et al.*

2,278,337. (See 2,278,336.)

2,291,181, H. M. Alderman, Car replacer fastening device, D. C., N. D. Ill., E. Div., Doc. 45c188, *H. M. Alderman* v. *A. Koban et al.* Cause dismissed with prejudice June 27, 1945.

2,345,706, A. Kurnit, Portable trackage system, D. C., S. D. N. Y., Doc. 26/348, *A. Kirnit* v. *The Searching Wind Co.* Consent order of dismissal June 23, 1945.

Re. 17,278, Re. 17,279, L. G. Copeman, Sharp freezing container for mechanical refrigerator, D. C., E. D. Mich. (S. Div.), Doc. 4256, *Copeman Laboratories Co.* v. *Swift Mfg. Co.* Patents held valid and infringed (notice July 3, 1945).

Re. 17,279. (See Re. 17,278.)

Re. 17,427. (See 1,474,613.)

Re. 17,908. (See 1,474,613.)

Re. 21,053, A. T. Matthews, Awning, D. C., N. D. Ga. (Atlanta), Doc. 2707, *A. T. Matthews et al.* v. *Koolvent Metal Awning Co.* Claims 3, 4, 5, 9, and 10 held valid, but not infringed; bill dismissed June 22, 1945.

Des. 123,442. (See T. M. 161,439.)

Des. 123,443. (See T. M. 161,439.)

Des. 125,540, Des. 125,542, L. Freidman, Handbag, D. C., S. D. N. Y., Doc. 13/277, *Gold Seal Importers, Inc.*, v. *Morris White Fashions, Inc.* Judgment dismissing complaint June 26, 1945.

Des. 125,542. (See Des. 125,540.)

Des. 129,001, T. L. Vine, Muff, D. C., N. D. Ill., E. Div., Doc. 45c104, *T. L. Vine* v. *Israel et al.* Consent decree granting injunction June 25, 1945.

T. M. 161,439, Chicago Flexible Shaft Co., Lawn sprinkler; T. M. 401,051, same, Lawn sprinkler, hose nozzle, hose coupling, etc.; Des. 123,442, Des. 123,443, F. O. Weirich, Lawn sprinkler, filed June 15, 1945, D. C., N. D. Ill., E. Div., Doc. 45c952, *Chicago Flexible Shaft Co.* v. *D. L. Lachance et al.*

T. M. 401,051. (See T. M. 161,439.)

Register of Patents Available for Licensing or Sale

Pat. 2,359,556. APPARATUS FOR MINING COAL. Patented Oct. 3, 1944. Comprises a car of hollow rectangular shaped formation open at the front, operable on tracks, and apparatus for cutting out sections of coal and depositing in the car. Saw-like cutting blade is reciprocal. (Owner) Jay M. Hilliard, 231 Maple Street, Slippery Rock, Pa. Group 35—33. Reg. No. 174.

Pat. 2,294,933. IDENTIFICATION DEVICE. Patented Sept. 8, 1942. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) For obtaining inked palm prints or foot prints, comprising a cylinder with a card or continuous roll of paper secured thereto, rotatably mounted to a support. Prints obtained by placing the butt of the hand on the cylinder, then pressing and pulling the hand, which rotates the cylinder. (Owner) Arthur H. Pursell, 1403 29th Street, S. E., Washington 20, D. C. Group 39—99. Reg. No. 175.

Pat. 2,313,641. DRILL GRINDING DEVICE. Patented Mar. 9, 1943. Holder for sharpening twist drills including a vertically adjustable support, a horizontally movable carriage on the support and means whereby the drill may be rocked relative to periphery of a grinding wheel instead of side face of wheel. (Owner) Valentine N. Hoerst, 3 Mulberry Street, Cincinnati 10, Ohio. Groups 33—73; 35—43. Reg. No. 176.

Pat. 2,119,851. SAFETY VALVE. Patented June 7, 1938. Relieves pressure and automatically shifts the valve on its seat under predetermined conditions or at predetermined periods so as to prevent sticking without opening the valve. (Owner) Henry Cave, 138 Kenyon Street, Hartford, Conn. Group 33—61. Reg. No. 177.

Pat. 1,938,790. SPRAY TREATING OF WEB MATERIAL ON THE PAPER MACHINE. Patented Dec. 12, 1933. The process of applying a water repellent coating during the manufacture of paper on a web forming machine which includes spraying such material on the web at a predetermined point while the web is passing through the machine. (Owner) Edmund P. Arpin, Jr., Neenah, Wis. Group 26—2—3. Reg. No. 178.

Pat. 2,302,698. MULTIPLE TISSUE CARRIER. Patented Nov. 24, 1942. Laboratory device provided with a carrier having a multiple of separate compartments adjustable as to size for use with a receptacle for containing and retaining specimen of tissue and the like for treatment, preservation and examination. (Owner) Albert M. Kessel, 4501 Chestnut Street, Bethesda 14, Md. Groups 33—81; 39—15—16—17. Reg. No. 179.

Pat. 2,315,750. WASHING DEVICE. Patented Apr. 6, 1943. Openwork basket or V shaped structure made of wire, plastic, or the like, a tube with plug connections on both ends, and numerous perforations in tube to direct a spray into basket. Means to mount entire device on a toilet bowl. Entire structure particularly adapted to remove solid material from diapers, preliminary to storing for subsequent or final washing. (Owner) George P. Wakefield, Route 2, Vermilion, Ohio. Groups 28—83; 33—49; 35—81. Reg. No. 180.

Pat. 2,302,851. INTERNAL COMBUSTION ENGINE. Patented Nov. 24, 1942. Horizontal two-cycle, double acting type wherein the strains and forces are balanced without the necessity of their passing through the main engine structure or bearings. (Owner) Joseph F. Geiser, 601 East Day Avenue, Milwaukee, Wis. Groups 35—19; 37—22; 38—31. Reg. No. 181.

Pat. 2,347,179. ATTACHMENT FOR HYPODERMIC SYRINGES. Patented Apr. 25, 1944. So constructed as to insure proper angle and depth of penetration of needle, needle is protected against damage; attachment remains as permanent accessory to syringe. Accommodates various sizes of barrels. (Owner) Horace P. Gorman, 86 Grandview Avenue, Rye, N. Y. Groups 32—39; 33—73; 39—15—17. Reg. No. 182.

Pat. 2,357,188. HUB FOR COASTER BRAKES. Patented Aug. 29, 1944. All parts are substantially prefabricated before assembly. The shell of the hub can be hardened before application of the flanged sleeves, thus eliminating damage to the sleeves when formed integral with the hub. (Owner) John M. English, 18 Slater Avenue, Norwich, Conn. Group 37—41. Reg. No. 183.

Pat. 2,376,042. BRAKE MECHANISM. Patented May 15, 1945. Adapted primarily for use on bicycles with means whereby brake shoes are applied to the hub to permit forward movement of the vehicle or have its forward movement checked at the will of the operator. (Owner) John M. English, 18 Slater Avenue, Norwich, Conn. Group 37—41. Reg. No. 184.

Pat. 2,283,987. CLOTHESLINE SUPPORT. Patented May 26, 1942. A pole preferably of metal tubing having its lower end enlarged to form a socket for detachably engaging the top of a member anchored in a block. A pin carried by the anchoring member engages open slots in the lower end of the socket. (Owner) Samuel H. Hammar, 419 Cleveland Avenue, Ishpeming, Mich. Groups 25—99; 34—41; 35—81—89. Reg. No. 185.

Pat. 2,242,609. ADJUSTABLE CLOTHESLINE PROP. Patented May 20, 1941. Comprises telescopic members, one provided with means for engagement with a clothes line and the other with a piercing point to contact the ground or other support, and means for clamping said members in any selected vertical position of adjustment. (Owner) Samuel H. Hammar, 419 Cleveland Avenue, Ishpeming, Mich. Groups 25—99; 34—41; 35—81—89. Reg. No. 186.

Des. Pat. 141,009. DESIGN FOR A DOLL CRADLE. Patented Apr. 24, 1945. A frame with one support at each end simulating fir trees spaced apart and connected together by two bars near the bottom and one centrally at the top. A rectangular shaped cradle lined with cotton or the like with the top edges scalloped, is swingably mounted on the top bar between the supports. (Owner) Robert Holmes Greenwell, 4115 W Street, N. W., Washington 7, D. C. Groups 25—12; 39—41. Reg. No. 187.

Pat. 1,730,270. SPEED-REDUCING TRANSMISSION. Patented Oct. 1, 1929. Provides very high ratios; reduces frictional losses. Has two or more driven shafts for more than one stage reduction, with different ratios, running in the same or in opposite directions. Provides a speed reducing transmission which will, in one or two stages, provide all ratios commonly used in commercial practice. Is not commercially practical for ratios much below 30 to 1. (Owner) Philip A. Friedell, 1629 Telegraph Avenue, Oakland 12, Calif. Groups 35—63; 38—11—31. Reg. No. 188.

Pat. 1,970,004. INTERNAL COMBUSTION ENGINE. Patented Aug. 14, 1934. Especially directed to the rotary type. Requires no timing of ignition distribution and no valve or valve system. The ignition after starting is by propagation, high tension electrical ignition being used for starting only. (Owner) Philip A. Friedell, 1629 Telegraph Avenue, Oakland 12, Calif. Groups 35—19; 37—22; 38—31. Reg. No. 189.

Pat. 2,295,212. SHOE. Patented Sept. 8, 1942. With arch support construction whereby a cavity is provided by stitching a wing on an inner sole built into a shoe during manufacture, and a plurality of flexible inserts of different sizes inserted into the cavity. The number of inserts needed may be fitted to the buyer's foot in the store. (Owner) Conrad J. Hamel, 224 Morin Heights, Woonsocket, R. I. Groups 31—41; 39—16. Reg. No. 190.

Pat. 1,932,104. ABRASIVE ARTICLE AND METHOD OF MAKING SAME. Patented Oct. 24, 1933. For use in grinding and polishing operations, particularly the type utilizing a filler wherein incompletely polymerized synthetic rubber, otherwise known as chloroprene, is mixed with abrasive material, and thereafter polymerization continued until desired hardness is obtained. (Owner) Synthetic Rubber Abrasives, Inc., 114 Maple Avenue, Hamburg, N. Y. Group 32—91. Reg. No. 191.

Pat. 1,888,773. COMBINED BOOK HOLDER AND MARKER. Patented Nov. 22, 1932. Device made of sheet metal and wire with adjustable means for holding and supporting books or the like of various sizes in open position with the pages held flat. Also has means adapted to engage and hold the upper edges of turned pages of tablet-like articles. (Owner) Albertine Ruelland, 447 West 162d Street, New York 32, N. Y. Groups 33—12—41—49; 39—93. Reg. No. 192.

Pat. 2,340,447. EXPANDING LAND ANCHOR. Patented Feb. 1, 1944. Made of metal and adapted to be reclaimed; so constructed that a major pulling force exerted against hinged wings will be transmitted directly to the body member and not to the pivot pins. When used with jet means is adapted especially for river beds, soft soil, etc. (Owners) Frank W. Aiken and John E. Koester. Address correspondence to Mastergrip Anchor Company, 400 West Reed Street, Moberly, Mo. Group 33—92. Reg. No. 193.

Pat. 1,850,147. ANCHOR. Patented Mar. 22, 1932. Made of metal so constructed that arms of the anchor will readily open and come to rest at right angles to the body by an upward pull on the anchor after it has been driven into the ground. (Owners) Frank W. Aiken and John E. Koester, 400 West Reed Street, Moberly, Mo.. Group 33—92. Reg. No. 194.

Pat. 2,246,836. ILLUMINATED STICK OF UMBRELLA. Patented June 24, 1941. A device housing a detachable lighting unit pivoted therein attached to a staff of "Lucite" or the like which has an enlarged bulb-like tip for dispersion of light. Normally provides a light in the handle and tip but the light can be revolved downwardly to any position to permit its use substantially as an ordinary flashlight. (Owner) Anna L. Campbell. Address correspondence to Harry Langsam, attorney, 401–04 Philadelphia Saving Fund Society Bldg., 12 South Twelfth Street, Philadelphia 7, Pa. Groups 34—81; 39—81—95. Reg. No. 195.

Pat. 2,372,471. ILLUMINATED UMBRELLA. Patented Mar. 27, 1945. A device which houses a detachable lighting unit, attached to a staff of "Lucite" or the like with an enlarged bulb-like tip to increase dispersion of light passing through stick. (Owner) Anna L. Campbell. Address correspondence to Harry Langsam, attorney, 401–04 Philadelphia Saving Fund Society Building, 12 South Twelfth Street, Philadelphia 7, Pa. Groups 34—81; 39—81—95. Reg. No. 196.

Pat. 2,375,689. APPARATUS FOR MINING COAL. Patented May 8, 1945. Utilizes a rotary grinding wheel and motor and means whereby coal will be ground in the vein, screened, the larger portions reground and passed through the screen and suction means for depositing the resultant pulverized coal in a receptacle. (Owner) David H. Reeder, Sr. Address correspondence to Lee Reeder, lawyer, Federal Bank Building, Kansas City, Mo. Groups 32—95; 35—33. Reg. No. 197.

Pat. 2,280,703. PROCESS FOR GRANULATING METALS. Patented Apr. 21, 1942. Produces uniform, spherical, very finely divided alkali metals and their various alloys. Can be used in the production of various synthetic chemicals. Also useful to remove last traces of moisture and acid from petroleum, etc., and as a reducing or hydrogenating agent. (Owner) Russell Hart, 411 West 113th Street, Los Angeles 3, Calif. Groups 28—34—88; 35—59. Reg. No. 198.

Patent Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER. Reason for removal: Patent has been assigned.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 21, 1945

[VOL. 577. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 468,121. MUNDET CORK CORPORATION, Brooklyn, N. Y. Filed Mar. 9, 1944. Under 10-year proviso.

MUNDET

FOR RAW CORK AND CUT CORK.
Claims use since 1892 on raw cork and cut cork.

Ser. No. 480,508. THE FIRESTONE TIRE & RUBBER CO., Akron, Ohio. Filed Mar. 5, 1945.

DUROFORM

Applicant is the owner of Reg. No. 405,873.
FOR PLASTIC COMPOSITIONS IN SHEET, ROD, TUBE, PLATE, AND BAR FORM.
Claims use since Dec. 2, 1941.

Ser. No. 480,563. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed Mar. 7, 1945.

HIMOFLEX

FOR PARTICULATE CARBON HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS.
Claims use since Aug. 5, 1944.

Ser. No. 482,572. J. L. HABER & COMPANY, New York, N. Y. Filed Apr. 25, 1945.



FOR THERMOPLASTIC FILM, SUPPORTED AND UNSUPPORTED, IN SHEET, ROLL AND EXTRUDED FORM.
Claims use since January 1945.

Ser. No. 483,850. GEORGIA KAOLIN COMPANY, Elizabeth, N. J. Filed May 28, 1945.



The picture is fanciful.
FOR CLAYS FOR USE IN THE MANUFACTURE OF CERAMICS, RUBBER AND PAPER INDUSTRIES.
Claims use since Sept. 10, 1937, as to "Pioneer"; and since Apr. 5, 1945, as to complete mark.

CLASS 2

RECEPTACLES

Ser. No. 478,262. THE VISKING CORPORATION, Chicago, Ill. Filed Jan. 4, 1945.

NoJax

FOR CELLULOSE SAUSAGE CASINGS.
Claims use since Apr. 7, 1928.

Ser. No. 483,532. THE INTERSTATE FOLDING BOX COMPANY, Middletown, Ohio. Filed May 18, 1945.

FROSTOFOLD

FOR LINED, FOLDING PAPERBOARD CARTONS FOR FROZEN FOODS AND THE LIKE.
Claims use since Dec. 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 464,848. GERALDINE F. BROWN, doing business as G. F. Brown Company, Philadelphia, Pa. Filed Nov. 9, 1943.

LEM-O-PINE

The word "Pine" is disclaimed apart from the mark.
FOR CLEANSING PREPARATION FOR GENERAL HOUSEHOLD, TOILET, AND LAUNDRY USE.
Claims use since Oct. 5, 1943.

Ser. No. 467,893. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Mar. 1, 1944.

Royal Oak

FOR SHAVING LOTION ADAPTED FOR SOFTENING THE BEARD AND CONDITIONING THE FACE TO FACILITATE SHAVING, BATH SOAP, HAND SOAP, SHAVING SOAP, SHAVING CREAM, AND SHAMPOO SOAP IN CAKE OR BAR FORM.
Claims use since Jan. 26, 1942.

Ser. No. 479,594. NORTON COMPANY, Worcester, Mass. Filed Feb. 8, 1945. Under 10-year proviso.

NORTON

FOR OILSTONES, ABRASIVE STONES, CLEANING STONES, SHARPENING STONES, HONES, WHETSTONES, TOOL AND KNIFE SHARPENERS, SCYTHE STONES, BENCH STONES, AXE STONES, POCKET STONES, BREAKER POINT STONES, ABRASIVE ENGRAVING POINTS, PENCILS AND STONES, RAZOR STROPS, RAZOR STROP DRESSINGS, ABRADING, LAPPING AND POLISHING GRAINS AND POWDERS, OILSTONE WHEELS, GRINDING WHEELS, AND ABRADING, LAPPING, AND POLISHING STONES AND WHEELS.
Claims use since August 1885.

Ser. No. 481,831. BOCO COMPANY, Cleveland, Ohio. Filed Apr. 7, 1945.

BoCo

FOR METAL POLISH.
Claims use since Apr. 2, 1945.

Ser. No. 482,394. ROBERT H. PRICE, doing business as Price Detergent Co., Shelton, Wash. Filed Apr. 20, 1945.

GOLDEN BEAM

FOR PREPARATION FOR CLEANING PAINTED AND VARNISHED SURFACES, UPHOLSTERY, RUGS, LINOLEUM, TILE, PORCELAIN, AUTOMOBILES, DISHES, FABRICS, CLOTHING AND SHOES.
Claims use since Mar. 1, 1945.

Ser. No. 482,488. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed Apr. 23, 1945.

ONEXIT

FOR LIQUID CLEANING COMPOUND FOR FLOORS.
Claims use since Apr. 10, 1945.

Ser. No. 482,556. SILVERITE GUTTERMAN CO., Boston, Mass. Filed Apr. 24, 1945.

SPARKOLA

FOR BOOT POLISH, LIQUID WHITE SHOE CREAM AND SHOE SOAP.
Claims use since Mar. 10, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 470,330. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed May 17, 1944.

Alkaterge-O

FOR OIL-SOLUBLE SURFACE ACTIVE CHEMICAL COMPOSITIONS OF THE SUBSTITUTED OXAZOLINE CLASS FOR SUCH USES AS EMULSIFYING AND DISPERSING AGENT, PENETRANT, AND CORROSION INHIBITOR, AND FOR ARTICLES OF MANUFACTURE IN THE INDUSTRIAL ARTS GENERALLY.
Claims use since Mar. 29, 1943.

Ser. No. 471,205. FREDERICK M. TURNBULL, Los Angeles, Calif. Filed June 13, 1944.

VASODIAZINE

FOR SULFADIAZINE COMPOUND.
Claims use since May 2, 1944.

Ser. No. 475,859. SARA MASON, doing business as Kerodin Products Co., Chicago, Ill. Filed Oct. 30, 1944.

Kerodin

FOR PREPARATION FOR RINGWORM, SOMETIMES CALLED ATHLETE'S FOOT.
Claims use since June 15, 1936.

Ser. No. 478,134. E. S. MILLER LABORATORIES, INC., Los Angeles, Calif. Filed Jan. 1, 1945.

GONADO-TRONE

The term "Gonado" is disclaimed apart from the mark.
FOR PITUITARY PREPARATION.
Claims use since Dec. 13, 1944.

Ser. No. 479,500. UNION CARBIDE AND CARBON CORPORATION, New York, N. Y. Filed Feb. 6, 1945.

SILVALOY

FOR FLUX FOR WELDING, BRAZING, AND SOLDERING.
Claims use since April 1939.

Ser. No. 480,836. JOHN L. PRIESS, Chicago, Ill. Filed Mar. 12, 1945.

CALIPH

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE, AND NAIL POLISH.
Claims use since July 5, 1941.

Ser. No. 481,177. ETHEL CASSELMAN, doing business as National Distributors of Hollywood, Hollywood, Calif. Filed Mar. 22, 1945.



FOR AFTER SHAVE COLOGNE.
Claims use since Feb. 15, 1945.

Ser. No. 481,658. MICHAEL J. WALSH, doing business as Dietary Laboratories, San Diego, Calif. Filed Apr. 2, 1945.

Hydro-Caps

The word "Caps" is disclaimed apart from the mark.
FOR NUTRITIONAL SUPPLEMENT CONSISTING OF AMINO ACID HYDROCHLORIDES.
Claims use since Mar. 1, 1945.

Ser. No. 481,835. CASTILLA PRODUCTS, INC., New York, N. Y. Filed Apr. 7, 1945.



FOR PERFUMERY, FACE CREAMS AND POWDERS, LOTIONS, HAIR PREPARATIONS, AND TOILET WATER.
Claims use since Mar. 30, 1945.

Ser. No. 481,871. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y. Filed Apr. 7, 1945.

Skytop

FOR PERFUME AND TOILET WATER.
Claims use since Nov. 18, 1943.

Ser. No. 481,935. AMANDA-L CO., Chicago, Ill. Filed Apr. 10, 1945.

AMANDA-L
HAIR GROWING AID

No claim is made to the term "Hair Growing Aid" apart from the mark.
FOR OINTMENT DESIGNED TO AID THE GROWTH OF HAIR.
Claims use since June 1, 1940.

Ser. No. 481,970. WIL-CO-LENE MFG. CO., Newark, N. J. Filed Apr. 10, 1945.

WILCOLENE

FOR LIQUID COMPOSITIONS TO BE ADDED TO FUEL OILS AND TO LUBRICATING OILS FOR INTERNAL COMBUSTION ENGINES IN ORDER TO INHIBIT FORMATION OF SLUDGE, GUMS, AND SOOT, AND COMPOSITIONS IN POWDER FORM TO BE INTRODUCED INTO A ZONE OF COMBUSTION IN ORDER TO REMOVE SOOT AND SCALE FROM SURFACES COMING INTO CONTACT WITH THE COMBUSTION GASES.
Claims use since Dec. 28, 1939.

Ser. No. 482,369. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Apr. 20, 1945.

CALSEC

FOR INJECTION FLUID FOR USE IN THE EMBALMING TRADE.
Claims use since December 1944.

Ser. No. 482,370. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Apr. 20, 1945.

CAVREX

FOR CAVITY FLUID FOR USE IN THE EMBALMING TRADE.
Claims use since December 1944.

Ser. No. 482,371. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Apr. 20, 1945.

CELTROL

FOR ANTI-DEHYDRANT FOR USE IN THE EMBALMING TRADE.
Claims use since December 1944.

Ser. No. 482,372. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Apr. 20, 1945.

CIRCART

FOR ARTERIAL INJECTION FLUID FOR USE IN THE EMBALMING TRADE.
Claims use since December 1944.

Ser. No. 482,373. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Apr. 20, 1945.

CIRCOL

FOR ARTERIAL FLUID USED IN THE EMBALMING TRADE.
Claims use since December 1944.

Ser. No. 482,416. DON JUAN, INC., New York, N. Y. Filed Apr. 21, 1945.

HOSTESS

FOR LIPSTICKS, ROUGE, AND FACE POWDER.
Claims use since Dec. 16, 1940.

Ser. No. 482,928. D. W. HAERING & CO., INC., Chicago, Ill. Filed May 3, 1945.

TETRA PHOSPHO-GLUCOSATE-

The words "Tetra Phospho" are disclaimed apart from the mark.
FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL AND OTHERWISE TO PREVENT THE ACCUMULATION OF FOREIGN MATTER ON THE WALLS OF PIPES OR CONTAINERS.
Claims use since July 6, 1938.

Ser. No. 482,942. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 3, 1945.

PENOPRYN

FOR PRODUCT IN THE FORM OF AN OINTMENT FOR LOCAL APPLICATION TO DERMAL STAPHYLOCOCCIC AND STREPTOCOCCIC INFECTIONS.
Claims use since Mar. 20, 1945.

Ser. No. 482,976. CLEEVELANDT CORPORATION, New York, N. Y. Filed May 4, 1945.

Maria Christina

FOR COSMETICS COMPRISING LIPSTICKS, PERFUMES, AND POWDERS.
Claims use since October 1944.

Ser. No. 483,013. ANDREW J. WORONKA, doing business as New England Chemical and Supply Co., Manchester, N. H. Filed May 4, 1945.

LAUND-GENE

FOR CHEMICAL PREPARATION USED AS A BLEACH, A GENERAL DISINFECTANT, DEODORANT, AND CLEANER.
Claims use since Feb. 15, 1945.

Ser. No. 483,044. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 5, 1945.

TREMCLAD

FOR CORROSION INHIBITING COATING LIQUIDS FOR METAL SURFACES.
Claims use since Apr. 21, 1945.

Ser. No. 483,125. JOSEPH V. WALSH, doing business as Walsh Ethical Products, Beacon, N. Y. Filed May 8, 1945.

Analpryn

FOR PREPARATIONS IN THE FORM OF CAPSULES FOR THE RELIEF OF PAIN DUE TO HEADACHE, NEURALGIA, AND SINUS, AND OF PAIN AND DISCOMFORTS FROM COLDS, FROM TOOTHACHES, FROM TOOTH EXTRACTION, AND THE LIKE.
Claims use since Nov. 1, 1944.

Ser. No. 483,159. U. S. VITAMIN CORPORATION, New York, N. Y. Filed May 9, 1945.

PHOSCARON

FOR PHARMACEUTICAL PREPARATION CONTAINING DICALCIUM PHOSPHATE, FERRIC PHOSPHATE WITH EXCIPIENTS AND OTHER INGREDIENTS USED IN THE TREATMENT OF CALCIUM AND IRON DEFICIENCIES.
Claims use since Jan. 3, 1945.

Ser. No. 483,208. S. BUCHSBAUM & Co., Chicago, Ill. Filed May 11, 1945.

Mirth

FOR PERFUME AND COLOGNE.
Claims use since Mar. 10, 1945.

Ser. No. 483,239. E. R. SQUIBB & SONS, New York, N. Y. Filed May 11, 1945.

PHYKENTRONE

FOR GROWTH-PROMOTING HORMONAL PREPARATIONS.
Claims use since Mar. 20, 1945.

Ser. No. 483,314. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed May 14, 1945.

PENTACIZER

FOR PENTAERYTHRITOL AND POLYPENTAERYTHRITOL ESTERS OF ORGANIC ACIDS AND PENTAERYTHRITOL AND POLYPENTAERYTHRITOL ETHERS AND SIMILAR ESTERS AND ETHERS USEFUL AS SOLVENTS, SOFTENING, PLASTICIZING, TACKIFYING AND LUBRICATING AGENTS FOR PLASTIC AND RUBBERY COMPOSITIONS.
Claims use since Apr. 13, 1943.

Ser. No. 483,315. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed May 14, 1945.

HEYDENITE

FOR LIQUID AND SOLID CHEMICAL COMPOUNDS AND COMPOSITIONS USEFUL AS RAW MATERIALS AND INTERMEDIATES FOR THE PRODUCTION OF SYNTHETIC RESINS, PAINTS, VARNISHES, AND SIMILAR COMPOSITIONS.
Claims use since May 5, 1943.

Ser. No. 483,316. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed May 14, 1945.

PENTAMULL

FOR PENTAERYTHRITOL AND POLYPENTAERYTHRITOL ESTERS OF ORGANIC ACIDS AND SIMILAR MATERIALS HAVING SURFACE ACTIVE PROPERTIES AND USEFUL AS WETTING, EMULSIFYING AND DISPERSING AGENTS, FLOTATION REAGENTS, LUBRICATING-OIL ADJUVANTS, AND THE LIKE.
Claims use since Oct. 13, 1943.

Ser. No. 483,317. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed May 14, 1945.

PENTAWAX

FOR SYNTHETIC WAX-LIKE SOLIDS, WAXY ESTERS OF ORGANIC ACIDS AND PENTAERYTHRITOL POLYPENTAERYTHRITOLS OR MIXTURES THEREOF; USEFUL FOR REPLACEMENT OF NATURAL AND OTHER SYNTHETIC WAXES.
Claims use since Jan. 4, 1943.

Ser. No. 483,405. WINTHROP PRODUCTS INC., New York, N. Y. Filed May 15, 1945.

DULVEDENA

FOR ANTISPASMODIC, SEDATIVE, AND VASODILATOR PREPARATION.
Claims use since Jan. 11, 1945.

Ser. No. 483,449. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa. Filed May 16, 1945.

TUBESTRIN

FOR ESTROGENIC HORMONE PREPARATIONS.
Claims use since Apr. 25, 1945.

Ser. No. 483,478. MONROE HARRISON, Chicago, Ill. Filed May 17, 1945.

20-10

FOR HAIR COLOR RESTORATIVE.
Claims use since May 12, 1940.

Ser. No. 483,536. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 18, 1945.

MASLINDA

FOR FACE POWDER.
Claims use since May 1, 1945.

Ser. No. 483,538. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 18, 1945.

Young Time

FOR EAU DE COLOGNE.
Claims use since Jan. 4, 1945.

Ser. No. 483,573. THE GUERLAIN PERFUMERY CORPORATION, Wilmington, Del., and New York, N. Y. Filed May 19, 1945.

KRISS

FOR PERFUME AND TOILET WATER.
Claims use since Apr. 27, 1945.

Ser. No. 483,591. RUTLEE CHEMICAL COMPANY, Perth Amboy, N. J., and Washington, D. C. Filed May 19, 1945.

ALACILLIN

FOR DRUG FOR THE TREATMENT OF LEG ULCERS, OPEN SORES, ATHLETE'S FOOT, AND EXTERNALLY OPEN INFECTIONS.
Claims use since Feb. 8, 1945.

Ser. No. 483,592. RUTLEE CHEMICAL COMPANY, Perth Amboy, N. J., and Washington, D. C. Filed May 19, 1945.

SULFACILLIN

FOR DRUG FOR THE TREATMENT OF LEG ULCERS, OPEN SORES, ATHLETE'S FOOT, AND EXTERNALLY OPEN INFECTIONS.
Claims use since Oct. 23, 1944.

Ser. No. 483,660. EMORY M. MINOR, Fairview, Va. Filed May 22, 1945.

MIR

FOR GENERAL BODY TONIC AND BODY REGULATOR.
Claims use since Mar. 15, 1941.

Ser. No. 483,673. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed May 23, 1945.

SUNBRELLA

FOR SUNTAN LOTION.
Claims use since May 6, 1945.

Ser. No. 483,683. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed May 23, 1945.

NEUTROSCENT

FOR CONCENTRATED ODOR NEUTRALIZING AND PERFUMING COMPOUNDS, WATER SOLUBLE ODOR NEUTRALIZING AND PERFUMING COMPOUNDS, AND SOLUBILIZED ODOR NEUTRALIZING AND PERFUMING COMPOUNDS.
Claims use since Apr. 27, 1945.

Ser. No. 483,707. WHITE LABORATORIES, INC., Newark, N. J. Filed May 23, 1945.

Juaits

FOR CONCENTRATE OF COD LIVER OIL, VITAMIN PREPARATIONS. MEDICATED CHEWING GUM, A PREPARATION FOR THE PREVENTION AND TREATMENT OF ACUTE AND CHRONIC LOCALIZED INFECTIONS, SPECIFICALLY OF THE MIDDLE AND EXTERNAL EAR, AND A PREPARATION FOR THE TREATMENT OF IRON-DEFICIENCY ANEMIAS.
Claims use since Feb. 14, 1935, on concentrate of cod liver oil; and since May 16, 1945, on the remaining goods.

Ser. No. 483,712. EDWARD A. BROWN, Newton Highlands, Mass. Filed May 21, 1945.

DRIFTWOOD

FOR CHEMICAL COMPOUNDS, PREPARATIONS, AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL.
Claims use since Feb. 1, 1902.

Ser. No. 483,731. MIDWESTERN SALES, INC., New York, N. Y. Filed May 24, 1945.

MIDSOLV

FOR CHEMICAL SOLVENTS USED FOR DEGREASING METAL ARTICLES.
Claims use since March 1944.

Ser. No. 483,793. HERMAN L. SHAW, doing business as Shaw Products Company, Boston, Mass. Filed May 25, 1945.

Nutra

FOR SHAMPOO.
Claims use since Jan. 10, 1945.

Ser. No. 483,798. E. R. SQUIBB & SONS, New York, N. Y. Filed May 25, 1945.

DELACILLIN

FOR ANTIBACTERIAL PREPARATIONS.
Claims use since May 7, 1945.

Ser. No. 484,562. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 15, 1945.

DEENOL

FOR INSECTICIDE.
Claims use since May 16, 1945.

Ser. No. 484,833. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 21, 1945.

DEENATE

FOR INSECTICIDE.
Claims use since May 12, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 480,916. KIRSTEN PIPE COMPANY, Seattle, Wash. Filed Mar. 14, 1945.

Kirsten

The name "Kirsten" is the facsimile signature of the surname of Kurt F. J. Kirsten applicant's predecessor.
FOR SMOKING PIPES AND CIGARETTE HOLDERS.
Claims use since Jan. 1, 1937.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 474,474. JAMES SCOTT ST. BARBE BAKER, doing business as James Scott Manufacturing Company, London, England. Filed Sept. 22, 1944.

INDURITE

FOR INKS.
Claims use since 1927.

Ser. No. 479,025. BELL D. BRILLES, doing business as B. D. B. Typewriter Supply Works, New York, N. Y. Filed Jan. 26, 1945.



FOR TYPEWRITER SUPPLIES—NAMELY, DUPLICATOR INKS, CARBON PAPER AND TYPEWRITER AND ADDING MACHINE RIBBONS.
Claims use since Sept. 23, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 479,047. PLASTIC DIE AND TOOL CORPORATION, Los Angeles, Calif. Filed Jan. 26, 1945.

DURABRITE

FOR PLASTIC PRODUCTS—NAMELY, SINK STRAINERS AND DUST PANS.
Claims use since Feb. 1, 1944.

Ser. No. 482,633. MAYFAIR ALUMINUM COMPANY, New York, N. Y. Filed Apr. 26, 1945.

Mayfair
ALUMINUM

The word "Aluminum" is disclaimed apart from the mark.
FOR ALUMINUM COOKING UTENSILS.
Claims use since Apr. 17, 1945.

Ser. No. 482,884. MASTER LOCK COMPANY, Milwaukee, Wis. Filed May 2, 1945.

MASTER

FOR HASPS.
Claims use since Sept. 1, 1923.

Ser. No. 483,076. MORSE CHAIN COMPANY, Ithaca, N. Y. Filed May 7, 1945. Under 10-year proviso.

MORSE

FOR METAL CHAINS FOR SPROCKETS AND THE LIKE AND PARTS THEREOF INCLUDING SIDE LINKS, ANTI-BACKBEND LINKS, AND PINTLES.
Claims use since Oct. 24, 1893.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 479,739. UNITED WIRE & SUPPLY CORPORATION, Providence, R. I. Filed Feb. 12, 1945.

SIL-BRAZE

The word "Braze" is disclaimed apart from the mark.
FOR WELDING ALLOY FOR BRAZING AND JOINING METALS, EITHER FERROUS OR NON-FERROUS OR A COMBINATION OF THE TWO.
Claims use since Feb. 7, 1945.

Ser. No. 481,236. THE NATIONAL ROLL & FOUNDRY COMPANY, Borough of Avonmore, county of Westmoreland, Pa. Filed Mar. 23, 1945.



FOR IRON AND STEEL CASTINGS.
Claims use since April 1942.

Ser. No. 481,663. CALLITE TUNGSTEN CORPORATION, Union City, N. J. Filed Apr. 3, 1945.

KULGRID

FOR COMPOSITE METAL WIRES.
Claims use since Dec. 19, 1933.

CLASS 15

OILS AND GREASES

Ser. No. 482,718. ROBERT J. WALTON, doing business as Walton Tool Company, Chicago, Ill. Filed Apr. 27, 1945.
Applicant disclaims "Lap" apart from the mark.

Dia-lap

FOR LUBRICANT USED AS A COOLANT FOR DIAMOND WHEELS AND HAVING CLEANSING PROPERTIES.
Claims use since February 1945.

Ser. No. 483,755. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y. Filed May 25, 1945.

PARALATRUM

FOR WAX COMPOSITION USED IN THE MANUFACTURE OF CANDLES AND MATCHES.
Claims use since May 10, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 474,125. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y. Filed Sept. 12, 1944.



FOR READY MIXED PAINTS.
Claims use since Aug. 1, 1944.

Ser. No. 481,523. CORK IMPORT CORPORATION, New York, N. Y. Filed Mar. 30, 1945.

NOVOID

FOR ASPHALTIC PAINTS AND ASPHALTIC PRIMING AND SEALING PAINTS.
Claims use since June 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 471,309. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J. Filed June 16, 1944.

VOLTRON

FOR RODS, TUBES, AND FORMS MADE OF HARD OR FLEXIBLE ELECTRIC INSULATION MATERIALS AND USED AS ELECTRICAL INSULATORS.
Claims use since December 1943.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,840. BADGER METER MANUFACTURING COMPANY, Milwaukee, Wis. Filed May 28, 1945.

BADGER

FOR WATER METERS.
Claims use since 1905.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 472,666. EMPIRE CRAFTS CORPORATION, Newark, N. Y. Filed July 27, 1944.

Caprice

FOR SILVER PLATED FLAT TABLEWARE.
Claims use since Mar. 28, 1944.

Ser. No. 472,667. EMPIRE CRAFTS CORPORATION, Newark, N. Y. Filed July 27, 1944.

Reverie

FOR SILVER PLATED FLAT TABLEWARE.
Claims use since Mar. 29, 1944.

Ser. No. 477,341. CECIL R. WILKINS, Miami, Fla. Filed Dec. 8, 1944.

Pescado Gems
The Jewel of the Ocean

Applicant disclaims the words "Gems" and "Jewel" apart from the mark.
FOR SYNTHETIC STONES HAVING THE APPEARANCE OF PRECIOUS OR SEMI-PRECIOUS STONES MADE IN VARIOUS SHAPES, SIZES, AND COLORS AND USED FOR SETTINGS IN RINGS, BROOCHES, PINS, AND SIMILAR ARTICLES WHERE STONES OF THIS TYPE ARE GENERALLY USED.
Claims use since Sept. 15, 1944.

Ser. No. 477,871. CHARLES R. DRUCKER, doing business as Bliss Ring Company, Chicago, Ill. Filed Dec. 23, 1944.

Rings-O-Bliss

The word "Rings" is disclaimed apart from the mark.
FOR WEDDING AND ENGAGEMENT RINGS.
Claims use since January 1940.

Ser. No. 480,121. REMEMBRANCE RING CO., New York, N. Y. Filed Feb. 22, 1945.

REMEMBRANCE

FOR FINGER RINGS.
Claims use since Dec. 3, 1940.

Ser. No. 481,974. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 11, 1945.



FOR BRACELETS, BROOCH PINS, LAPEL PINS, EARRINGS, NECKLACES, AND FINGER RINGS, NOT INCLUDING WATCHES.
Claims use since Mar. 21, 1944.

Ser. No. 483,682. LEO FRANKFURT, New York, N. Y. Filed May 23, 1945.

CUTIE

FOR BABY BRACELETS.
Claims use since January 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 469,788. CARL SCHLEICHER & SCHUELL COMPANY, INC., New York, N. Y. Filed Apr. 28, 1944. Under 10-year proviso as to "Schleicher & Schuell."



FOR FILTER PAPERS, FILTER PULP, FILTER AND EXTRACTION THIMBLES, FILTER CUPS, AND FILTER PAPER SUPPORTS.
Claims use since Aug. 24, 1943; and since June 1, 1874, for "Schleicher & Schuell."

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 470,435. CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 20, 1944.

PLASTIPLY

FOR HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET, AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING TABLES AND DINING ROOM CABINETS, CHINA CABINETS, AND SERVING TABLES.
Claims use since Apr. 21, 1944.

Ser. No. 473,473. MANGRUM HOLBROOK & ELKUS, San Francisco, Calif. Filed Aug. 21, 1944.



FOR DRESSERS, COOKS' TABLES, DISH TABLES, SERVING COUNTERS, REFRESHMENT BARS, COUNTERS, BOOTHS, AND REFRESHMENT BACK BARS.
Claims use since Aug. 1, 1933.

Ser. No. 481,798. NURSERYTYME PRODUCTS, Brooklyn, N. Y. Filed Apr. 6, 1945.



The picture of the heads is fanciful.
FOR CRIB MATTRESSES, PLAYPEN PADS, BABY CARRIAGE PADS, BASSINETTE PADS, HIGH CHAIR PADS, CRIB BUMPER PADS, AND NURSERY SEAT PADS.
Claims use since Dec. 15, 1944.

Ser. No. 483,808. THE COLUMBIA MILLS, INC., New York, N. Y. Filed May 26, 1945.

FLEXWOOD

FOR WINDOW SHADES AND PORCH SHADES MADE OF THIN SLAT MATERIALS.
Claims use since Dec. 13, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 478,546. ELECTRO-KING MFG. COMPANY, Chicago, Ill. Filed Jan. 12, 1945.



No claim is made to the words "Manufacturing Co." apart from the mark, nor to the representation of the label.
FOR FURNACES, BOILERS, HEATING STOVES, SPACE HEATERS, AND FLOOR HEATERS ADAPTED TO BURN GAS, OIL, COAL, AND WOOD, FURNACE BLOWERS, GAS AND OIL WATER HEATERS, GAS AND COMBINATION GAS AND COAL RANGES.
Claims use since June 1, 1943.

Ser. No. 483,270. JABESON CHINA CO. INC., New York, N. Y. Filed May 12, 1945.

JABESON

FOR LAMP SHADES AND CERAMIC BASES FOR LAMPS—NAMELY, FOR TABLE LAMPS, COMMODE LAMPS, AND VANITY LAMPS.
Claims use since June 25, 1943.

Ser. No. 483,343. RESEARCH PRODUCTS CORPORATION, Madison, Wis. Filed May 14, 1945.

RESEARCH

FOR AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT.
Claims use since September 1941.

Ser. No. 483,938. STEEL BOILER INSTITUTE, INC., New York, N. Y. Filed May 29, 1945. Under the act of Feb. 20, 1905, as amended June 10, 1938.



The words "Steel Boiler Institute," "Heating," "Process," and "Power" are disclaimed except as a part of the mark.
FOR STEEL BOILERS.
Claims use since Apr. 14, 1945.

Ser. No. 484,727. AIRKEM, INC., New York, N. Y. Filed June 19, 1945.

AIRKEM

FOR EVAPORATORS USED AS AIR CONDITIONING EQUIPMENT OR PARTS THEREOF.
Claims use since May 29, 1944.

Ser. No. 484,780. FAIRCHESTER OIL CO. INC., East Portchester, Conn. Filed June 20, 1945.

FAIRCHESTER

Applicant disclaims the word "Chester" apart from the mark.
FOR OIL-BURNER FURNACES.
Claims use since June 1935.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 482,644. RESISTOFLEX CORPORATION, Belleville, N. J. Filed Apr. 26, 1945.

RESISTOFLEX

FOR FLEXIBLE TUBES, HOSE, HOSE ASSEMBLIES, SHEETS, FILMS, GASKETS, WASHERS AND PACKING MADE IN WHOLE OR IN PART OF FLEXIBLE PLASTIC MATERIALS FOR USE IN THE CONVEYING, HANDLING, AND STORING OF OILS, FLUID FUELS, AND ORGANIC SOLVENTS.
Claims use since Dec. 6, 1944.

Ser. No. 483,613. THE GENERAL DETROIT CORPORATION, Detroit, Mich. Filed May 21, 1945.

Inner Flex

FOR FIRE HOSE.
Claims use since July 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 481,975. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 11, 1945.



FOR PAPER PRODUCTS—NAMELY, BOND PAPER, TYPEWRITER PAPER, PRINTING PAPER, PADS, SECOND SHEETS, ENVELOPES, INDEX CARDS, NOTE BOOKS, WRITING TABLETS, MEMO BOOKS, PLAIN AND RULED SCRATCH PADS, DECORATED LETTER PAPERS FOR SOCIAL CORRESPONDENCE, AND TOILET AND CLEANSING TISSUES.
Claims use since Mar. 21, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 483,123. TIME, INCORPORATED, New York, N. Y. Filed May 8, 1945.

THE FORUM

FOR FEATURED COLUMN APPEARING IN ITS MONTHLY MAGAZINE "THE ARCHITECTURAL FORUM."
Claims use since Mar. 1, 1945.

CLASS 39

CLOTHING

Ser. No. 467,485. BOURBEUSE SHOE COMPANY, Union, Mo. Filed Feb. 17, 1944.

Glamour Debs

FOR WOMEN'S AND GIRLS' SHOES OF LEATHER, FABRIC, OR RUBBER OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since May 1, 1939, for "Glamour Debs"; and since Feb. 26, 1942, for mark as shown.

Ser. No. 470,528. CURRICK & LEIKEN CO. INC., New York, N. Y. Filed May 23, 1944.

C L & C

Battle Jacket

The words "Battle Jacket" are disclaimed apart from the mark.
FOR JACKETS, BLOUSES, AND COATS FOR MEN AND WOMEN.
Claims use since Mar. 20, 1944.

Ser. No. 470,979. JOE KORET, doing business as Koret of California, San Francisco, Calif. Filed June 7, 1944.

JOG-A-LONG

FOR MISSES' AND WOMEN'S JACKETS.
Claims use since June 15, 1943.

Ser. No. 471,011. A. WERMAN & SONS, INC., Brooklyn, N. Y. Filed June 7, 1944.

Easy Steps

The word "Easy" is disclaimed except as shown.
FOR SHOES FOR INFANTS, SAID SHOES BEING LEATHER SHOES.
Claims use since May 19, 1944.

Ser. No. 477,935. LENORA DRESS COMPANY, San Francisco, Calif. Filed Dec. 26, 1944.



The words "of California" and "House of Bridal Dresses" and the representation of the bridal dress are disclaimed apart from the mark.
FOR GOWNS FOR WOMEN, MISSES, AND GIRLS.
Claims use since Oct. 11, 1944.

Ser. No. 480,890. COMMERCE MANUFACTURING COMPANY, INC., Commerce, Ga. Filed Mar. 14, 1945.

GOLD CUP

FOR OVERALLS AND MEN'S PANTS.
Claims use since Jan. 16, 1938.

Ser. No. 481,451. ARIS GLOVES, INC., New York, N. Y. Filed Mar. 29, 1945.

AQUADOË

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S GLOVES AND MITTENS MADE OF LEATHER OR FABRIC, OR ANY COMBINATION THEREOF.
Claims use since Mar. 15, 1945.

Ser. No. 481,607. IRVING G. BELAIEF, doing business as Blue Label Foundation Co., New York, N. Y. Filed Apr. 2, 1945.

Blue Label

Applicant disclaims exclusive use of a label colored blue.
FOR BRASSIÈRES, GIRDLES, GARTER BELTS, CORSETS, CORSELETTES, BANDEAUX, SLIPS, SLEEPING GOWNS AND PAJAMAS, PANTIES, AND PETTICOATS.
Claims use since Mar. 30, 1945.

Ser. No. 481,768. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 6, 1945.



FOR LADIES' AND MISSES' COATS, SUITS, DRESSES, BLOUSES, SKIRTS, SWEATERS, SLIPS, NIGHTGOWNS, GLOVES OF LEATHER AND FABRIC, SHOES OF LEATHER, FABRIC AND COMBINATIONS THEREOF, HATS, DRESSING ROBES, HOUSECOATS, PAJAMAS, PANTIES, GIRDLES, SHORTS FOR OUTERWEAR, BATHING SUITS, SLACKS, SWEAT SHIRTS, BEACHCOATS, HOSIERY, BELTS FOR OUTERWEAR, CULOTTES AND TENNIS SUITS, AND HANDKERCHIEFS.
Claims use since Mar. 21, 1944.

Ser. No. 482,093 COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed Apr. 13, 1945.

Jogs

FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, FIBRE, OR COMBINATIONS THEREOF.
Claims use since Aug. 21, 1944.

Ser. No. 482,422. HANES HOSIERY INCORPORATED, New York, N. Y. Filed Apr. 21, 1945.



Applicant disclaims the notation "No-Seam" separately from the mark. The woman in the drawing is fanciful.
FOR HOSIERY.
Claims use since May 1941.

Ser. No. 482,881. B. KUPPENHEIMER & Co. INC., Chicago, Ill. Filed May 2, 1945.

The Laird

FOR MEN'S AND YOUTHS' OVERCOATS.
Claims use since July 21, 1924.

Ser. No. 482,901. STYLE UNDIES, INC., New York, N. Y. Filed May 2, 1945.

"STYLEDIES"

FOR CHILDREN'S AND MISSES' PANTIES, SLIPS, AND PAJAMAS.
Claims use since Apr. 15, 1943.

Ser. No. 483,155. SCHLUSSMAN & GUTMAN, New York, N. Y. Filed May 9, 1945.

SHEL MAR

FOR LADIES' FUR COATS.
Claims use since Nov. 15, 1942.

Ser. No. 483,223. BERTICE PAULINE GARRISON, doing business as Paula Garrison, Seattle, Wash. Filed May 11, 1945.

'Dido'

FOR SLEEPING GARMENTS, PLAY SUITS, SUN SUITS, AND ROMPERS.
Claims use since Aug. 25, 1944.

Ser. No. 483,268. INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va. Filed May 12, 1945.

"Sky Tour"

FOR WOMEN'S, MISSES', AND JUNIOR COATS, SUITS, DRESSES, BLOUSES, SWEATERS, AND RAINCOATS.
Claims use since Apr. 1, 1945.

Ser. No. 483,471. FEDDEN BROTHERS COMPANY, INCORPORATED, New York, N. Y. Filed May 17, 1945.

Community

FOR HOSIERY.
Claims use since June 1935.

Ser. No. 483,492. S. SLATER AND SONS, INC., Slater, S. C. Filed May 17, 1945.

Slaterized

FOR DRESSES FOR WOMEN AND GIRLS, ALSO OUTER DRESS SHIRTS FOR MEN AND BOYS.
Claims use since Mar. 1, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 470,472. LILLIAN WHITE, New York, N. Y. Filed May 20, 1944.

"LILASTIC"

FOR DRESS SHIELDS AND ARMHOLE REINFORCEMENT PATCHES FOR INSERTION IN GARMENTS.
Claims use since Apr. 10, 1944.

Ser. No. 482,192. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 16, 1945.



FOR BUTTONS, CLIPS AND CLASPS FOR THE HAIR AND FOR GARMENTS, AND GARMENT BUCKLES ALL MADE OF NON-PRECIOUS METALS AND PLASTICS, AND FOR GOODS STAMPED FOR ART NEEDLEWORK.
Claims use since Mar. 21, 1944.

Ser. No. 483,501. STERLING PLASTICS CO., Union, N. J. Filed May 17, 1945.

Serene

FOR COMBS.
Claims use since Mar. 24, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 462,986. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Aug. 25, 1943.

DUO-DOWN

Applicant disclaims the word "Down" except as shown.
FOR WOOLEN AND WORSTED PIECE GOODS, JERSEY PIECE FOODS, EIDERDOWN PIECE GOODS, CHINCHILLA PIECE GOODS, AND KNITTED PIECE GOODS HAVING A FLEECY PILE OR SURFACE.
Claims use since Mar. 18, 1930.

Ser. No. 470,679. RELIABLE TEXTILE CO., INC., New York, N. Y. Filed May 26, 1944.



FOR PIECE GOODS OF RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF.
Claims use since Jan. 2, 1942.

Ser. No. 471,032. GOLDMAN-ROSSMAN CORPORATION, New York, N. Y. Filed June 8, 1944.



The drawing is lined for gold.
FOR TEXTILE FABRICS MADE OF SILK, RAYON, WOOL, COTTON, LINEN, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1944.

Ser. No. 474,391. ANGLO FABRICS COMPANY, New York, N. Y. Filed Sept. 20, 1944.

Hunter
Rocky Loden

No claim is made to the word "Loden" apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since Sept. 5, 1944.

Ser. No. 481,716. ROSENSTEIN BROS., Paterson, N. J. Filed Apr. 4, 1945.

Satwill Jr

FOR FABRICS IN THE PIECE CONSISTING OF WOOL, SILK, COTTON AND ARTIFICIAL FIBRES AND MIXTURES THEREOF.
Claims use since Mar. 30, 1945.

Ser. No. 484,330. S. M. STAYMAN & Co., New York, N. Y. Filed June 8, 1945.



The drawing is lined for red.
FOR WOOLENS IN THE PIECE.
Claims use since October 1943.

CLASS 43

THREAD AND YARN

Ser. No. 468,530. MILLETT CORPORATION, New York, N. Y. Filed Mar. 22, 1944.

Cellucord

FOR FOLDED OR TWISTED PAPER YARN.
Claims use since Dec. 6, 1943.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 471,455. LEON A. W. PERRAUD, Los Angeles, Calif. Filed June 20, 1944.

PEAR-O

FOR ELECTRICAL DRIERS FOR FINGER NAIL ENAMEL.
Claims use since Apr. 27, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 458,017. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Jan. 19, 1943.



FOR CANNED VEGETABLES.
Claims use since July 10, 1942.

Ser. No. 467,095. HARPER FEED MILLS, INC., Pittsburgh, Pa. Filed Feb. 2, 1944.

HARCO RESPIRTONE

FOR POULTRY FEEDS—NAMELY, BROILER FEEDS.
Claims use since December 1943.

Ser. No. 467,618. SAN DIEGO PACKING CORPORATION, San Diego del Valle, Province of Las Villas, Cuba. Filed Feb. 21, 1944.

GILFIG

FOR CANNED FRUITS AND VEGETABLES, FRESH VEGETABLES AND FRESH FRUITS—NAMELY, CITRUS FRUITS, GRAPES, MELONS, AND PINEAPPLES.
Claims use since Aug. 6, 1943.

Ser. No. 471,576. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed June 23, 1944.

ECLIPSE

Applicant is the owner of trade-mark registration No. 30,054.
FOR EDIBLE STARCH AND PARTICULARLY THIN BOILING STARCH SOLD TO CONFECTIONERS.
Claims use since 1928.

Ser. No. 475,840. CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed Oct. 30, 1944.

CONTINENTAL
COFFEE
MALTED
MILK

CONTINENTAL COFFEE COMPANY

Applicant is the owner of registration No. 400,719 of Mar. 30, 1943. No claim is made to the words "Coffee Malted Milk" alone. The words "Coffee Company" are disclaimed apart from the mark.
FOR COFFEE MALTED MILK IN POWDERED FORM.
Claims use since March 1915.

Ser. No. 477,000. BICKIEPEGS LIMITED, Hertfordshire, England. Filed Nov. 29, 1944.

BICKIEPEGS
CHU-CHUS

Applicant is the owner of registration Nos. 210,696 and 400,064.
FOR BISCUITS FOR CHILDREN BEING RUSKS OTHER THAN CHOCOLATE COVERED RUSKS.
Claims use since Dec. 28, 1943.

Ser. No. 477,252. ARDEN FARMS CO., Los Angeles, Calif. Filed Dec. 6, 1944.

CUBE-FREZET

Applicant is the owner of registration Nos. 377,028 and 395,398. The word "Cube" is disclaimed apart from the mark.
FOR DAIRY PRODUCTS—NAMELY, ICE-CREAM.
Claims use since Oct. 16, 1944.

Ser. No. 478,629. HALF MOON BAY GROWERS ASSOCIATION, San Francisco, Calif. Filed Jan. 15, 1945.

COVER GIRL

FOR FRESH VEGETABLES—NAMELY, SPROUTS.
Claims use since Nov. 20, 1944.

Ser. No. 479,743. GEORGE ZIEGLER COMPANY, Milwaukee, Wis. Filed Feb. 12, 1945.

GIANT

FOR CANDY CONFECTION.
Claims use since Mar. 4, 1911.

Ser. No. 481,156. PACKING PRODUCTS COMPANY, New York, N. Y. Filed Mar. 21, 1945.

Good Neighbor

Applicant is the owner of registration No. 410,436.
FOR BONITO FISH AND TUNA FISH.
Claims use since Jan. 28, 1941.

Ser. No. 482,717. BRUCE VARNEY, doing business as Caro-Green Laboratories, Kansas City, Mo. Filed Apr. 27, 1945.



The word "Green" is disclaimed apart from the mark.
FOR ANIMAL AND POULTRY FOODS—NAMELY, DEHYDRATED GREENS AND FORAGE CROPS FOR CATTLE, HOGS, HORSES, SHEEP, CHICKENS, DUCKS, TURKEYS, GUINEAS AND THE LIKE.
Claims use since Mar. 7, 1945.

Ser. No. 482,753. MCDONALD AND OLLIFF, INC., Wauchula, Fla. Filed Apr. 28, 1945.

MEMPHIS BELLE

No claim is made to the word "Memphis" except as shown.
FOR CITRUS JUICES FOR FOOD PURPOSES AND FRESH CITRUS FRUITS.
Claims use since Apr. 19, 1945.

577 O. G.—46

Ser. No. 482,811. OROSI FOOTHILL CITRUS ASSOCIATION, Orosi, Calif. Filed Apr. 30, 1945.

OROSI FOOTHILL CITRUS ASSOCIATION

TOM CAT

Applicant is the owner of Reg. No. 242,153.
FOR FRESH CITRUS FRUITS.
Claims use since Aug. 1, 1922.

Ser. No. 483,101. AL ZEITMAN, doing business as Westward Ho Hotel, Phoenix, Ariz. Filed May 7, 1945.

BIG TOWN

FOR FRESH VEGETABLES.
Claims use since Apr. 9, 1945.

Ser. No. 483,352. BENJAMIN SPIEGEL, doing business as Cali Rancho Fruit Packers, Chicago, Ill. Filed May 14, 1945.

LADY EVELYN'S

FOR DRIED PRUNES AND APRICOTS DIPPED IN HONEY.
Claims use since May 31, 1944.

Ser. No. 483,479. HOVDEN FOOD PRODUCTS CORPORATION, Monterey, Calif. Filed May 17, 1945.



Portola

Applicant is the owner of registration Nos. 125,450 (renewed) and 199,990 (renewed). The portrait is that of Don Gaspar de Portola, first governor of "Alta California" under Mexican rule, now deceased.
FOR CANNED FISH AND CANNED SQUID.
Claims use since 1920.

Ser. No. 483,990. SCIENTROL, INC., Shawano, Wis. Filed May 30, 1945.

Scientrol

FOR EVAPORATED MILK.
Claims use since Jan. 15, 1945.

Ser. No. 484,360. RODELLE LABORATORIES, INC., Denver, Colo. Filed June 9, 1945.

VANILLADINA

FOR IMITATION VANILLA FLAVOR. A FLAVORING FOR FOOD PURPOSES.
Claims use since January, 1937.

Ser. No. 484,762. VALLEY VIEW PACKING COMPANY, San Jose, Calif. Filed June 19, 1945.



No claim is made to the word "Brand" or the representation of the fruit apart from the mark.
FOR DRIED FRUITS—NAMELY, PRUNES.
Claims use since 1890 for "Valley View"; and since Apr. 13, 1945, for mark as shown.

TRADE-MARK REGISTRATIONS GRANTED

AUGUST 21, 1945

[ACT OF FEBRUARY 20, 1905]

415,845. CHEMICAL PREPARATIONS FOR SOFTENING AND CLEANING BRAKES AND TRANSMISSION LININGS AND CLUTCH FACINGS; CHEMICAL PREPARATIONS, ETC. 20TH CENTURY CHEMICAL COMPANY, Camden, N. J.
Filed June 7, 1940. Serial No. 432,798. PUBLISHED NOVEMBER 25, 1941. Class 4.

415,846. CURTAINS, BED SPREADS AND DRAPES. SAVOY CURTAIN CORP., New York, N. Y.
Filed April 15, 1942. Serial No. 452,363. PUBLISHED JUNE 5, 1945. Class 42.

415,847. TANKS MADE OF FABRIC AND RUBBER AND/OR SYNTHETIC RUBBERLIKE MATERIALS FOR STORAGE OF GASOLINE, OIL, WATER, AND OTHER LIQUIDS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed December 1, 1942. Serial No. 457,151. PUBLISHED FEBRUARY 16, 1943. Class 2.

415,848. ALMONDS. ROSENBERG BROS. & Co., San Francisco, Calif.
Filed December 17, 1942. Serial No. 457,481. PUBLISHED JULY 18, 1944. Class 46.

415,849. RUBBER COMPOSITION VALVE GASKETS, SEALING GASKETS, RESILIENT RUBBER BUSHINGS, RESILIENT RUBBER WASHERS, RUBBER SEALING RINGS FOR USE ON SHAFTS, RUBBER SEALING STRIPS OF CHANNEL FORM, AND PRESSURE OPERATED DIAPHRAGMS FORMED OF RUBBER. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 18, 1943. Serial No. 459,196. PUBLISHED JUNE 12, 1945. Class 35.

415,850. PREPARATION FOR MEDICINAL AND COSMETIC TREATMENT OF THE SKIN USED AS A COVER OR COATING FOR AN INJURED OR AFFECTED PORTION OF THE SKIN TO OBLITERATE THE APPEARANCE OF A WOUND, SCAR, OR BLEMISH. ABRAHAM T. LEVY, doing business as Plaskin Chemical Co., New York, N. Y.
Filed August 28, 1943. Serial No. 463,077. PUBLISHED JULY 25, 1944. Class 6.

415,851. MEDICATED POWDER TO BE USED FOR THE TREATMENT OF ATHLETE'S FOOT AND AS A DEODORANT POWDER. THE MENNEN COMPANY, Newark, N. J.
Filed September 14, 1943. Serial No. 463,400. PUBLISHED JUNE 12, 1945. Class 6.

415,852. REFRACTORY ARTICLES—NAMELY, BLOCKS, TUBES, AND OTHER SHAPES, AND POWDER USED TO EMBED ARTICLES FOR FIRING IN KILNS OR FURNACES, ETC. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed October 29, 1943. Serial No. 464,526. PUBLISHED JUNE 12, 1945. Class 12.

415,853. COATED ABRASIVES. BEHR-MANNING CORPORATION, Troy, N. Y.
Filed November 19, 1943. Serial No. 465,121. PUBLISHED JANUARY 30, 1945. Class 4.

415,854. TEXTILE PIECE GOODS OF COTTON, RAYON, SILK, WOOL, LINEN, WHICH HAS BEEN PROCESSED TO MAKE IT WATER REPELLENT. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio.
Filed December 1, 1943. Serial No. 465,411. PUBLISHED AUGUST 22, 1944. Class 42.

415,855. FACE CREAMS, CLEANSING CREAMS, COLD CREAMS, FOUNDATION CREAMS, LIPSTICKS AND ROUGES. HELEN ARLO, INC., New York, N. Y.
Filed December 2, 1943. Serial No. 465,444. PUBLISHED OCTOBER 10, 1944. Class 6.

415,856. COSMETIC OILS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed December 10, 1943. Serial No. 465,687. PUBLISHED JUNE 5, 1945. Class 6.

415,857. CHEMICAL PRODUCTS USED IN THE LEATHER AND SHOE INDUSTRIES. WISCONSIN CHEMICAL PRODUCTS COMPANY, Milwaukee, Wis.
Filed December 29, 1943. Serial No. 466,188. PUBLISHED FEBRUARY 6, 1945. Class 6.

415,858. PERFUMES. NIPS, INC., New York, N. Y.
Filed February 22, 1944. Serial No. 467,669. PUBLISHED NOVEMBER 21, 1944. Class 6.

415,859. RECORD CARDS CONTAINING PRINTED BLANK FORMS. THE VERTICAL VISIBLE RECORDS CORPORATION, Newark, N. J.
Filed May 6, 1944. Serial No. 470,011. PUBLISHED JULY 25, 1944. Class 37.

415,860. PARENTERAL SOLUTIONS FOR REHYDRATING AND/OR ENERGIZING THE SYSTEM. SCHERING & GLATZ, INC., New York, N. Y.
Filed May 10, 1944. Serial No. 470,121. PUBLISHED JUNE 5, 1945. Class 6.

415,861. PIECE GOODS OF RAYON. GOLDENBRO FABRICS, INC., New York, N. Y.
Filed May 20, 1944. Serial No. 470,446. PUBLISHED JUNE 5, 1945. Class 42.

415,862. WELDED AND SEAMLESS METALLIC TUBES FOR LIQUID HEATING AND/OR VAPOR GENERATING APPARATUS. THE BABCOCK & WILCOX TUBE COMPANY, Beaver Falls, Pa.
Filed May 24, 1944. Serial No. 470,553. PUBLISHED JUNE 12, 1945. Class 34.

415,863. INDUSTRIAL CHEMICALS, SOLD ONLY IN BULK, NAMELY—CAUSTIC ALKALI, CALCIUM HYPOCHLORITE, AMMONIUM PERSULPHATE, SODIUM PERBORATE, POTASSIUM PERMANGANATE, ETC. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 3, 1944. Serial No. 470,893. PUBLISHED SEPTEMBER 19, 1944. Class 6.

415,864. INDUSTRIAL CHEMICALS, SOLD ONLY IN BULK, NAMELY—CAUSTIC ALKALI, CALCIUM HYPOCHLORITE, AMMONIUM PERSULPHATE, SODIUM PERBORATE, POTASSIUM PERMANGANATE, ETC. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 3, 1944. Serial No. 470,894. PUBLISHED SEPTEMBER 19, 1944. Class 6.

415,865. KNITTED PIECE GOODS MADE OF COTTON AND OF RAYON. A-Q MILLS, Timmonsville, S. C.
Filed June 7, 1944. Serial No. 470,952. PUBLISHED MAY 29, 1945. Class 42.

415,866. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. FARLEY FRUIT COMPANY, Salinas, Calif.
Filed June 12, 1944. Serial No. 471,150. PUBLISHED SEPTEMBER 26, 1944. Class 46.

415,867. STABILIZER AND EMULSIFYING AGENT FOR COSMETIC PRODUCTS, TOOTH PASTE, AND TOOTH POWDERS. STEIN, HALL & COMPANY, INC., New York, N. Y.
Filed June 17, 1944. Serial No. 471,366. PUBLISHED SEPTEMBER 12, 1944. Class 6.

415,868. COMPOUND FOR REMOVING GREASE AND OIL FROM METAL SURFACES, SOLD IN BULK TO THE METAL TRADE OR METAL INDUSTRY. AMALGAMATED CHEMICAL CORP., Philadelphia, Pa.
Filed June 22, 1944. Serial No. 471,506. PUBLISHED OCTOBER 17, 1944. Class 4.

415,869. FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF. WULLSCHLEGER & Co., New York, N. Y.
Filed June 27, 1944. Serial No. 471,719. PUBLISHED JUNE 5, 1945. Class 42.

415,870. FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF. WULLSCHLEGER & Co., New York, N. Y.
Filed June 27, 1944. Serial No. 471,721. PUBLISHED JUNE 12, 1945. Class 42.

415,871. FLOOR WAX. COLUMBIA-BEDFORD CORPORATION, New York, N. Y.
Filed July 3, 1944. Serial No. 471,897. PUBLISHED JUNE 5, 1945. Class 16.

415,872. PREVENTIVE AND MEDICINAL PREPARATION FOR CATARRH, ASTHMA, AND HAY FEVER. CHARLES J. ROBERT, doing business as The Robertine Company, Wayne, Mich.
Filed July 24, 1944. Serial No. 472,589. PUBLISHED JUNE 12, 1945. Class 6.

415,873. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, RUBBER, FABRIC, COMPOSITIONS, AND COMBINATIONS OF THESE MATERIALS. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed June 26, 1944. Serial No. 472,631. PUBLISHED OCTOBER 24, 1944. Class 39.

415,874. HECTOGRAPH CARBON PAPER, DUPLICATOR FLUID, AND MANIFOLDING SETS. REMINGTON RAND INC., Buffalo, N. Y.
Filed July 28, 1944. Serial No. 472,712. PUBLISHED JUNE 5, 1945. Class 11.

415,875. PREPARATION OF VITAMIN A, PRO-VITAMIN A, AND VITAMIN D IN DOSAGE FORM. S. M. A. CORPORATION, Chicago, Ill.
Filed August 3, 1944. Serial No. 472,908. PUBLISHED OCTOBER 24, 1944. Class 6.

415,876. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL OR WORSTED. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed August 7, 1944. Serial No. 473,011. PUBLISHED DECEMBER 12, 1944. Class 42.

415,877. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT AND TANGERINES. LAKE BYRD CITRUS PACKING Co., Avon Park, Fla.
Filed August 10, 1944. Serial No. 473,149. PUBLISHED JUNE 12, 1945. Class 46.

415,878. FABRICATED STRUCTURAL TIMBERS SHIPPED IN KNOCKED DOWN OR PARTIALLY ASSEMBLED FORM, FOR USE IN THE CONSTRUCTION OF BUILDINGS, BUNKERS, BINS, WATER TOWERS, BARGES, BULKHEADS, SHIPWAYS, WHARVES, BRIDGES, CULVERTS, ETC.; AND STRUCTURAL MEMBERS FOR USE IN SIMILAR CONSTRUCTIONS. HENRY MILL & TIMBER COMPANY, Tacoma, Wash.
Filed August 14, 1944. Serial No. 473,251. PUBLISHED JUNE 12, 1945. Class 12.

415,879. WATER SOFTENER FOR USE IN METAL AND TEXTILE INDUSTRIES. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed August 16, 1944. Serial No. 473,333. PUBLISHED DECEMBER 19, 1944. Class 6.

415,880. CHEMICAL PREPARATION FOR USE AS A WATER REPELLENT. THE DOLANIZE COMPANY, New York, N. Y.
Filed August 28, 1944. Serial No. 473,660. PUBLISHED JUNE 5, 1945. Class 6.

415,881. KNITTED FABRICS—PIECE GOODS, MADE OF RAYON AND COTTON. A-Q MILLS, Timmonsville, S. C.
Filed August 30, 1944. Serial No. 473,713. PUBLISHED JUNE 12, 1945. Class 42.

415,882. CHEMICAL PREPARATION FOR USE AS A WOOD PRESERVATIVE CONTAINING ANTHRACENE OIL. HYDROTEX INDUSTRIES, Dallas, Tex.
Filed August 31, 1944. Serial No. 473,763. PUBLISHED JANUARY 2, 1945. Class 6.

415,883. DOPED AIRPLANE CLOTH, UNTREATED AIRPLANE CLOTH, AND BALLOON CLOTH. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed September 1, 1944. Serial No. 473,837. PUBLISHED JUNE 12, 1945. Class 42.

415,884. MEAT PRODUCTS—NAMELY, SAUSAGE. OSCAR MAYER & Co., Chicago, Ill.
Filed September 11, 1944. Serial No. 474,087. PUBLISHED MAY 29, 1945. Class 46.

415,885. PIECE GOODS OF OR CONTAINING WOOL. WENZEL PROPRIETARY LIMITED, Melbourne, Victoria, Australia.
Filed September 13, 1944. Serial No. 474,182. PUBLISHED JUNE 12, 1945. Class 42.

415,886. NON-VITAMIN CONTAINING MEDICINAL PREPARATION TAKEN INTERNALLY FOR THE TREATMENT OF DISORDERS OF THE STOMACH. CAVENDISH PHARMACEUTICAL CORP., New York, N. Y.
Filed September 14, 1944. Serial No. 474,191. PUBLISHED DECEMBER 19, 1944. Class 6.

415,887. SOUP MIX MADE OF DEHYDRATED VEGETABLES AND OTHER INGREDIENTS. DRY-PACK CORPORATION, New York, N. Y.
Filed September 16, 1944. Serial No. 474,275. PUBLISHED JUNE 12, 1945. Class 46.

415,888. READY-MIXED PAINT, PAINT ENAMEL, VARNISH AND A POLISHING PREPARATION FOR CLEANING AND POLISHING FURNITURE, FLOORS AND WOODWORK. VITA-VAR CORPORATION, Newark, N. J.
Filed September 23, 1944. Serial No. 474,562. PUBLISHED JUNE 5, 1945. Class 16.

415,889. GLYCERINE, CASCARA SAGRADA AROMATIC, PREPARATIONS FOR COLDS; ACETANILID BELLADONNA PODOPHYLLIN COMPOUND, MINERAL OIL FOR MEDICINAL USES, ETC. C. B. DRUG SALES Co., Charlotte, N. C.
Filed September 26, 1944. Serial No. 474,619. PUBLISHED JUNE 12, 1945. Class 6.

415,890. CANDY. SCHUTTER CANDY COMPANY, Chicago, Ill.
Filed October 9, 1944. Serial No. 475,132. PUBLISHED JUNE 12, 1945. Class 46.

415,891. ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; DIGESTANT POWDER AND TABLETS; ALKALINE ANALGESIC. WILLIAM R. WARNER & Co., INC., New York, N. Y.
Filed October 12, 1944. Serial No. 475,287. PUBLISHED JUNE 12, 1945. Class 6.

415,892. EYEGLASS FRAMES. ZYLITE OPTICAL Co., INC., New York, N. Y.
Filed October 24, 1944. Serial No. 475,675. PUBLISHED MAY 29, 1945. Class 26.

415,893. CEREAL CORE BINDER. CHAS. A. KRAUSE MILLING Co., Milwaukee, Wis.
Filed October 26, 1944. Serial No. 475,728. PUBLISHED JUNE 12, 1945. Class 5.

415,894. ANTILEUKORRHEIC PREPARATION. WINTHROP PRODUCTS INC., New York, N. Y.
Filed October 27, 1944. Serial No. 475,786. PUBLISHED FEBRUARY 13, 1945. Class 6.

415,895. LIVE-STOCK, CATTLE, AND POULTRY FEEDS CONSISTING OF SCREENING, BRAN, AND CRACKED GRAINS. W. D. HOLTERMAN, doing business as Holterman's, Fort Wayne, Ind.
Filed November 2, 1944. Serial No. 476,018. PUBLISHED JUNE 12, 1945. Class 46.

415,896. PREPARATION RECOMMENDED FOR GERMICIDAL, BACTERICIDAL, BACTERIOSTATIC, DISINFECTANT, ANTISEPTIC, FUNGICIDAL, MICROBICIDAL, AND OTHER PARASITICIDAL PURPOSES; FOR THE TREATMENT OF WOUNDS, CUTS, ETC. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed November 10, 1944. Serial No. 476,333. PUBLISHED JUNE 12, 1945. Class 6.

415,897. DISCHARGER FOR PYROTECHNIC AND THE LIKE SIGNALS AND FOR MACHINE GUN RECHARGERS. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich.
Filed November 11, 1944. Serial No. 476,360. PUBLISHED JUNE 12, 1945. Class 9.

415,898. HOSIERY. THE TAT HOSIERY MILLS, Bridgeport, Ala.
Filed November 13, 1944. Serial No. 476,409. PUBLISHED JUNE 12, 1945. Class 39.

415,899. CHEMICAL PREPARATION FOR USE IN LAUNDERING TEXTILE FABRICS AND ARTICLES MADE THEREFROM TO IMPROVE THE FINISH THEREOF AFTER IRONING. HANDS BROS., New York, N. Y.
Filed November 14, 1944. Serial No. 476,435. PUBLISHED JUNE 12, 1945. Class 6.

415,900. OIL FILTERS. THE HILLIARD CORPORATION, Elmira, N. Y.
Filed November 17, 1944. Serial No. 476,560. PUBLISHED JUNE 12, 1945. Class 31.

415,901. LAPEL ORNAMENTS OF BEADS, FELT, OR TEXTILE MATERIALS. EVELYN S. GRAVITT, Memphis, Tenn.
Filed November 18, 1944. Serial No. 476,609. PUBLISHED MAY 29, 1945. Class 40.

415,902. LIPSTICKS. ROMEO L. LAGORE, doing business as Cosmetic Products, Detroit, Mich.
Filed November 20, 1944. Serial No. 476,683. PUBLISHED JUNE 5, 1945. Class 6.

415,903. VITAMIN CAPSULES AND ELIXIR. META CINE COMPANY, Chattanooga, Tenn.
Filed November 20, 1944. Serial No. 476,685. PUBLISHED JUNE 5, 1945. Class 6.

415,904. MEN'S AND BOYS' SUITS, TOP COATS, OVERCOATS, JACKETS, TROUSERS, SPORT JACKETS, OUTER SHIRTS, HATS, CAPS, SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, ETC. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed November 21, 1944. Serial No. 476,719. PUBLISHED JUNE 5, 1945. Class 39.

415,905. PIECE GOODS AND SHIRTINGS OF COTTON AND RAYON, AND COMBINATIONS THEREOF. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed November 22, 1944. Serial No. 476,754. PUBLISHED JUNE 5, 1945. Class 42.

415,906. FRESH PORK, PORK HOCKS, TRIPE, BEEF, LAMB, VEAL, SALT PORK, BACON, HAM; CANNED BEEF STEW, BEEF AND VEGETABLE STEW, CHILI CON CARNE, ETC. JOHN MORRELL & Co., Ottumwa, Iowa.
Filed November 28, 1944. Serial No. 476,977. PUBLISHED JUNE 5, 1945. Class 46.

415,907. LIQUID OR PLASTIC ADHESIVE AND COATING CEMENT. RUDOLF F. HLAVATY, doing business as Hlavaty Insulations, Cicero, Ill.
Filed December 2, 1944. Serial No. 477,157. PUBLISHED JUNE 12, 1945. Class 5.

415,908. LAMP BASES FOR ELECTRIC LAMPS MADE OF GLASS, EARTHENWARE, AND PORCELAIN. RAEBELLE WAGNER, Freehold, N. J.
Filed December 2, 1944. Serial No. 477,170. PUBLISHED JUNE 12, 1945. Class 21.

415,909. MEN'S, WOMEN'S, AND CHILDREN'S SHOES CONSTRUCTED OF LEATHER. PED-AGREE SHOE Co., Paterson, N. J.
Filed December 5, 1944. Serial No. 477,239. PUBLISHED JUNE 12, 1945. Class 39.

415,910. LADIES', MISSES', AND CHILDREN'S DRESSES, COATS AND HATS. THE PARENTS' INSTITUTE, INC., also doing business as Children's Products Co., New York, N. Y.
Filed December 14, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 477,577. PUBLISHED JUNE 12, 1945. Class 39.

415,911. APPLES. ALBERT ROHAUT, Sanford, Maine.
Filed December 19, 1944. Serial No. 477,748. PUBLISHED JUNE 12, 1945. Class 46.

415,912. WOOL AND COTTON GLOVES. BECOPA GLOVE MILLS, Yonkers, N. Y.
Filed December 20, 1944. Serial No. 477,758. PUBLISHED JUNE 5, 1945. Class 39.

415,913. SHAMPOO CAPES, BIBS, AND DENTAL APRONS. HARRY ZISSON, doing business as Zisson, St. Paul, Minn.
Filed December 21, 1944. Serial No. 477,831. PUBLISHED MAY 29, 1945. Class 39.

415,914. WOMEN'S SHOES OF LEATHER, OR FABRIC, OR OF A COMBINATION THEREOF. CAROLYN SHOES, Los Angeles, Calif.
Filed December 22, 1944. Serial No. 477,834. PUBLISHED JUNE 5, 1945. Class 39.

415,915. TRANSLUCENT SHEET FILM COMPOSED OF SYNTHETIC RESINOUS MATERIAL AND HAVING A SURFACE SUITABLE FOR DRAWING THEREON. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 26, 1944. Serial No. 477,920. PUBLISHED JUNE 12, 1945. Class 37.

415,916. ANALGESIC PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed December 27, 1944. Serial No. 477,983. PUBLISHED JUNE 5, 1945. Class 6.

415,917. TOY TOPS. KENDOR COMPANY, Clearwater, Fla.
Filed December 28, 1944. Serial No. 478,004. PUBLISHED JUNE 12, 1945. Class 22.

415,918. TEA. RIDGWAYS LIMITED, London, England.
Filed December 29, 1944. Serial No. 478,057. PUBLISHED JUNE 5, 1945. Class 46.

415,919. MAHONIA TRIFOLIATA, (AN INFUSION OF ALGERITA ROOT) FOR USE IN THE TREATMENT OF INTERNAL AND EXTERNAL INFECTIONS. MAFOLIATA CORPORATION, Chicago, Ill.
Filed January 4, 1945. Serial No. 478,234. PUBLISHED JUNE 5, 1945. Class 6.

415,920. SYNTHETIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING AND ADHESIVE PURPOSES. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed January 4, 1945. Serial No. 478,246. PUBLISHED JUNE 12, 1945. Class 5.

415,921. VITAMIN PREPARATION. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo.
Filed January 5, 1945. Serial No. 478,276. PUBLISHED JUNE 12, 1945. Class 6.

415,922. TOY DIE-CUT CARDBOARD CARICATURE FIGURES ASSEMBLABLE WITH PIVOTING JOINTS. KING, LARSON & MCMAHON, Chicago, Ill.
Filed January 8, 1945. Serial No. 478,393. PUBLISHED JUNE 12, 1945. Class 22.

415,923. NECKTIES. STERN, MERRITT CO. INC., New York, N. Y.
Filed January 8, 1945. Serial No. 478,413. PUBLISHED MAY 29, 1945. Class 39.

415,924. WOMEN'S FABRIC COATS AND SUITS; FUR COATS, CAPES, SCARFS, MUFFS, NECK-PIECES, COLLARS, JACKETS, AND CHOKERS; GLOVES OF LEATHER, FABRIC OR RUBBER; DRESSES; OUTER SKIRTS AND UNDER SKIRTS. DOLLSWORTH & CO., INC., New York, N. Y.
Filed January 9, 1945. Serial No. 478,420. PUBLISHED JUNE 5, 1945. Class 39.

415,925. ANTISEPTIC CREAMS AND TOILET PREPARATIONS FOR THE SKIN. DAE HEALTH LABORATORIES, LIMITED, London, England.
Filed January 13, 1945. Serial No. 478,571. PUBLISHED JUNE 5, 1945. Class 6.

415,926. PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS. JULIUS KOHN, doing business as The Imco Company, New York, N. Y.
Filed January 13, 1945. Serial No. 478,586. PUBLISHED JUNE 12, 1945. Class 34.

415,927. MAGNESIUM OXYCHLORIDE CEMENT; EMULSIFIED ASPHALT USED FOR FLOORING, DECKING, AND FLOOR CUSHIONING LAYERS, A MIXTURE OF MAGNESIUM OXYCHLORIDE CEMENT, AND MARBLE CHIPS TO FORM COMPOSITION MARBLE; AND A MIXTURE OF EMULSIFIED ASPHALT WITH AGGREGATE AND CEMENTITIOUS MATERIALS FOR DECKING. KOMPOLITE CO., INC., Brooklyn, N. Y.
Filed January 13, 1945. Serial No. 478,588. PUBLISHED JUNE 12, 1945. Class 12.

415,928. COTTON PIECE GOODS. REEVES BROTHERS, INC., New York, N. Y.
Filed January 13, 1945. Serial No. 478,597. PUBLISHED MAY 1, 1945. Class 42.

415,929. OXYGEN TENTS AND OXYGEN MASKS. EDMUND J. BARACH, doing business under the name of Oxygen Equipment Mfg. Co., New York, N. Y.
Filed January 16, 1945. Serial No. 478,676. PUBLISHED JUNE 12, 1945. Class 44.

415,930. PERFUMES, COLOGNES, AND SKIN CREAMS AND LOTIONS. BENNY VISCEGLIE, Jackson Heights, Long Island, N. Y.
Filed January 16, 1945. Serial No. 478,693. PUBLISHED JUNE 12, 1945. Class 6.

415,931. MEN'S SHOES MADE OF COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. J. P. SMITH SHOE COMPANY, Chicago, Ill.
Filed January 18, 1945. Serial No. 478,768. PUBLISHED JUNE 5, 1945. Class 39.

415,932. LIQUID BLEND OF FATTY OILS AND EMULSIFYING AGENTS USED FOR LUBRICATING WORSTED YARNS IN PREPARATION FOR FURTHER PROCESSING. L. SONNEBORN SONS, INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,908. PUBLISHED JUNE 12, 1945. Class 6.

415,933. POWDERED COMPOSITION OF MATTER USED FOR THE SIZING OF TEXTILE YARNS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,910. PUBLISHED JUNE 12, 1945. Class 6.

415,934. LIQUID BLEND OF MINERAL OIL AND PETROLEUM MAHOGANY SULFONATES IN VARYING CONCENTRATIONS FOR USE AS A SELF SECURING LUBRICANT AND DYEING ASSISTANT IN THE FINISHING OF WORSTED AND TEXTILE FABRICS AND FIBERS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed January 22, 1945. Serial No. 478,911. PUBLISHED JUNE 12, 1945. Class 6.

415,935. PAINT ENAMELS. THE J. E. HARRIS COMPANY, Wooster, Ohio.
Filed January 26, 1945. Serial No. 479,037. PUBLISHED JUNE 12, 1945. Class 16.

415,936. PARLOR GAME COMPRISING A FLAT BOARD HAVING A PLAYING SURFACE, UTILIZING MARBLES, REPRESENTATIVE OF HOUNDS; AND DICE; THE MARBLES BEING PLACED IN OPENINGS IN SAID BOARD AND MOVED IN ACCORDANCE WITH NUMBERS APPEARING ON THE DICE WHEN THROWN ON THE SURFACE OF THE BOARD. JEROME U. BIHL, San Marino, Calif.
Filed January 29, 1945. Serial No. 479,107. PUBLISHED JUNE 12, 1945. Class 22.

415,937. PREPARATION FOR THE TREATMENT OF AIRSICKNESS AND SEASICKNESS. WHITE LABORATORIES, INC., Newark, N. J.
Filed January 31, 1945. Serial No. 479,266. PUBLISHED JUNE 12, 1945. Class 6.

415,938. OILSTONES, ABRASIVE STONES, CLEANING STONES, SHARPENING STONES, HONES, WHETSTONES, TOOL AND KNIFE SHARPENERS, SCYTHE STONES, ETC. NORTON COMPANY, Worcester, Mass.
Filed February 1, 1945. Serial No. 479,299. PUBLISHED JUNE 5, 1945. Class 4.

415,939. PREPARATION IN POWDERED FORM, HAVING ANTIBIOTIC PROPERTIES FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 2, 1945. Serial No. 479,348. PUBLISHED JUNE 12, 1945. Class 6.

415,940. CHEMOTHERAPEUTIC AGENT, IN POWDER FORM FOR LOCAL APPLICATIONS IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 2, 1945. Serial No. 479,349. PUBLISHED JUNE 12, 1945. Class 6.

415,941. CHEMOTHERAPEUTIC AGENT, IN POWDER FORM FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 2, 1945. Serial No. 479,350. PUBLISHED JUNE 12, 1945. Class 6.

415,942. PREPARATION IN TABLET FORM, HAVING ANTIBIOTIC PROPERTIES FOR THE TREATMENT OF ORAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 2, 1945. Serial No. 479,351. PUBLISHED JUNE 12, 1945. Class 6.

415,943. CARBON PAPER AND TYPEWRITER RIBBONS. AGENCY PAPER COMPANY, New York, N. Y.
Filed February 6, 1945. Serial No. 479,453. PUBLISHED JUNE 12, 1945. Class 11.

415,944. POWER GUN TURRETS, TWIN MACHINE GUN TURRETS, TORPEDO TUBES, AND HIGITE, AN EXPLOSIVE. HIGGINS INDUSTRIES, INC., New Orleans, La.
Filed February 6, 1945. Serial No. 479,478. PUBLISHED JUNE 5, 1945. Class 9.

415,945. OIL LAMPS. RUBICON, doing business as The Antique Shoppe, New York, N. Y.
Filed February 7, 1945. Serial No. 479,527. PUBLISHED JUNE 12, 1945. Class 34.

415,946. TINTING COLORS IN LIQUID AND PASTE FORM, FOR TINTING PROTECTIVE AND DECORATIVE COATINGS. THE CINCINNATI VARNISH CO. INC., Cincinnati, Ohio.
Filed February 8, 1945. Serial No. 479,552. PUBLISHED JUNE 12, 1945. Class 16.

415,947. TOILET SOAP. IOWA SOAP COMPANY, Burlington, Iowa.
Filed February 8, 1945. Serial No. 479,569. PUBLISHED JUNE 12, 1945. Class 4.

415,948. POWDERED SOLUBLE TEA EXTRACT BLENDED WITH CARBOHYDRATES. NESTLE'S MILK PRODUCTS, INC., New York, N. Y.
Filed February 13, 1945. Serial No. 479,752. PUBLISHED JUNE 12, 1945. Class 46.

415,949. BILLFOLDS, HANDBAGS, POCKETBOOKS, LEATHER JEWELRY BOXES FOR TRAVEL PURPOSES, AND PORTFOLIOS. CHARLES E. BLOCK COMPANY, New York, N. Y.
Filed February 17, 1945. Serial No. 479,913. PUBLISHED JUNE 12, 1945. Class 3.

415,950. CHEMICAL FERTILIZER. SWIFT & COMPANY, Chicago, Ill.
Filed February 17, 1945. Serial No. 479,955. PUBLISHED JUNE 5, 1945. Class 10.

415,951. COMBS. STERLING PLASTICS CO., Union, N. J.
Filed February 19, 1945. Serial No. 480,001. PUBLISHED JUNE 12, 1945. Class 40.

415,952. PRESSURE BAGS FOR VULCANIZING EQUIPMENT. HYMAN S. AARONSON, Mount Vernon, N. Y.
Filed February 20, 1945. Serial No. 480,005. PUBLISHED JUNE 5, 1945. Class 23.

415,953. PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, FACE POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKEUP, LIPSTICK, ETC. LEONARD FRIEDBERG, New York, N. Y.
Filed February 20, 1945. Serial No. 480,016. PUBLISHED JUNE 12, 1945. Class 6.

415,954. TOILET SOAPS. LYNETTE PERFUMES, INC., New York, N. Y.
Filed February 21, 1945. Serial No. 480,076. PUBLISHED JUNE 12, 1945. Class 4.

415,955. TOILET AND COSMETIC PRODUCTS — NAMELY, SKIN FRESHENER, LIQUEFYING CREAM, CREAM LOTION, LIPSTICKS, DRY SKIN CREAM, AND A PREPARATION TO BE APPLIED TO THE FACE TO FORM A MAKEUP BASE OR FOUNDATION. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere.
Filed February 21, 1945. Serial No. 480,086. PUBLISHED JUNE 5, 1945. Class 6.

415,956. PIECE GOODS OF COTTON, RAYON, AND/OR SILK OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed February 22, 1945. Serial No. 480,104. PUBLISHED JUNE 5, 1945. Class 42.

415,957. SPECTACLES. BARRETT PLASTIC PRODUCTS, INC., Beverly Hills, Calif.
Filed February 24, 1945. Serial No. 480,153. PUBLISHED MAY 29, 1945. Class 26.

415,958. LAUNDRY SOUR. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed February 24, 1945. Serial No. 480,167. PUBLISHED JUNE 5, 1945. Class 6.

415,959. LAUNDRY SOUR. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed February 24, 1945. Serial No. 480,168. PUBLISHED JUNE 5, 1945. Class 6.

415,960. LAUNDRY SOUR. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed February 24, 1945. Serial No. 480,169. PUBLISHED JUNE 5, 1945. Class 6.

415,961. LAUNDRY SOUR. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed February 24, 1945. Serial No. 480,170. PUBLISHED JUNE 12, 1945. Class 6.

415,962. LAUNDRY SOUR. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed February 24, 1945. Serial No. 480,172. PUBLISHED JUNE 5, 1945. Class 6.

415,963. PRODUCT CONTAINING 68% BARIUM SULFATE TOGETHER WITH AN INERT EXCIPIENT WHICH PRODUCT IS INTENDED FOR USE AS A RADIOPAQUE MEDIUM IN CONNECTION WITH THE MAKING OF X-RAYS OF THE GASTRO-INTESTINAL TRACT. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed February 26, 1945. Serial No. 480,222. PUBLISHED JUNE 5, 1945. Class 5.

415,964. LIQUID SOAP. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,237. PUBLISHED JUNE 12, 1945. Class 4.

415,965. TOILET BOWL CLEANER AND DEODORIZER. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,238. PUBLISHED JUNE 12, 1945. Class 4.

415,966. LIQUID SOAP. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,241. PUBLISHED JUNE 12, 1945. Class 4.

415,967. SELF-POLISHING HIGH LUSTER WAX PREPARATION FOR APPLICATION TO FLOORS, AND THE LIKE, AS OF LINOLEUM, RUBBER, ASPHALT TILE, WOOD, MARBLE, TERRAZZO, AND OTHER MATERIALS CAPABLE OF RECEIVING A WAX FINISH. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,242. PUBLISHED JUNE 12, 1946. Class 16.

415,968. SELF-POLISHING WAX PREPARATION FOR APPLICATION TO SURFACES OF FLOORS, FURNITURE, WOODWORK, AND THE LIKE, SUCH SURFACES COMPRISING WOOD, LINOLEUM, RUBBER, ASPHALT, AND THE LIKE. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,243. PUBLISHED JUNE 12, 1945. Class 16.

415,969. INDUSTRIAL ASPHALT PAINT. WITCO CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,267. PUBLISHED JUNE 12, 1945. Class 16.

415,970. FRESH DECIDUOUS FRUITS, FRESH GRAPES, AND FRESH VEGETABLES. R. M. WRIGHT, doing business as Wright Fruit Company, Dinuba, Calif.
Filed February 26, 1945. Serial No. 480,268. PUBLISHED JUNE 12, 1945. Class 46.

415,971. LEATHER, RUBBER, AND FABRIC SHOES. DR. A. POSNER SHOES, INC., New York, N. Y.
Filed February 27, 1945. Serial No. 480,299. PUBLISHED JUNE 5, 1945. Class 39.

415,972. ICE CREAM MIX. HOMIX PRODUCTS, INC., New York, N. Y.
Filed March 1, 1945. Serial No. 480,374. PUBLISHED JUNE 12, 1945. Class 46.

415,973. FUR FIBRES TREATED FOR SPINNING PURPOSES. UNIQUE FIBERS, INC., New York, N. Y.
Filed March 3, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 480,483. PUBLISHED JUNE 12, 1945. Class 1.

415,974. LADIES', MISSES', AND JUNIOR DRESSES AND SUITS. APEX DRESS CO. INC., New York, N. Y.
Filed March 5, 1945. Serial No. 480,492. PUBLISHED JUNE 12, 1945. Class 39.

415,975. THREADS AND YARNS OF SYNTHETIC ORGANIC RESINS OR PLASTICS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 5, 1945. Serial No. 480,507. PUBLISHED JUNE 5, 1945. Class 43.

415,976. MISSES' AND LADIES' NEGLIGEES. RAYMODE NEGLIGEE, INC., New York, N. Y.
Filed March 5, 1945. Serial No. 480,522. PUBLISHED JUNE 12, 1945. Class 39.

415,977. CHEMICAL PREPARATION FOR USE WITH A HOT FIRE TO REMOVE CARBON AND SOOT DEPOSITS IN FURNACES AND FIRE BOXES. VAPEX SOOT DESTROYER, Cincinnati, Ohio.
Filed March 5, 1945. Serial No. 480,536. PUBLISHED JUNE 12, 1945. Class 6.

415,978. COMPOSITION TO BE APPLIED TO OR MIXED WITH NATURAL OR SYNTHETIC RUBBER, PLASTICS, AND RESINS TO IMPROVE TACKINESS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 6, 1945. Serial No. 480,539. PUBLISHED JUNE 12, 1945. Class 6.

415,979. WATCHES. HOROWITZ & SON, INC., New York, N. Y.
Filed March 6, 1945. Serial No. 480,544. PUBLISHED JUNE 12, 1945. Class 27.

415,980. COMPOUND CONTAINING A VEGETABLE PRODUCT TO INCREASE BODY SUPPLY OF IODINE AND PLANT MINERALS. NATIONAL HEALTHAIDS, INC., New York, N. Y.
Filed March 6, 1945. Serial No. 480,549. PUBLISHED JUNE 12, 1945. Class 6.

415,981. MEDICINAL PREPARATION FOR USE AS A DEODORANT, ASTRINGENT, AND ANTIPERSPIRANT. LOUIS I. WEINER, doing business as Tablax Company, New York, N. Y.
Filed March 6, 1945. Serial No. 480,556. PUBLISHED JUNE 12, 1945. Class 6.

415,982. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,592. PUBLISHED JUNE 12, 1945. Class 35.

415,983. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES, AND SHEET AND HYDRAULIC PACKING. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,593. PUBLISHED JUNE 12, 1945. Class 35.

415,984. VITAMINE PREPARATIONS. MANN FINE CHEMICALS INCORPORATED, New York, N. Y.
Filed March 7, 1945. Serial No. 480,601. PUBLISHED JUNE 12, 1945. Class 6.

415,985. WEIGHTED REELED TAPE FOR MEASURING THE DEPTH OF OIL. SENCO, INCORPORATED, Baltimore, Md.
Filed March 7, 1945. Serial No. 480,623. PUBLISHED MAY 29, 1945. Class 26.

415,986. OPTICAL FRAMES. VOGUE OPTICAL MFG. COMPANY, New York, N. Y.
Filed March 7, 1945. Serial No. 480,635. PUBLISHED JUNE 5, 1945. Class 26.

415,987. INSECTICIDES. ANDREW WILSON, INC., Springfield, N. J.
Filed March 7, 1945. Serial No. 480,636. PUBLISHED June 12, 1945. Class 6.

415,988. LADIES' AND MISSES' COATS. WESTERN GARMENT COMPANY, St. Louis, Mo.
Filed March 8, 1945. Serial No. 480,683. PUBLISHED JUNE 12, 1945. Class 39.

415,989. AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, AND DUPLICATION PAPERS. AGENCY PAPER COMPANY, New York, N. Y.
Filed March 9, 1945. Serial No. 480,686. PUBLISHED JUNE 12, 1945. Class 37.

415,990. AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, AND DUPLICATION PAPERS. AGENCY PAPER COMPANY, New York, N. Y.
Filed March 9, 1945. Serial No. 480,688. PUBLISHED JUNE 12, 1945. Class 37.

415,991. DRAWING INSTRUMENTS—NAMELY, COMPASSES, DIVIDERS, BOW DRAWING INSTRUMENTS, BEAM COMPASSES, AND RULING PENS. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed March 9, 1945. Serial No. 480,704. PUBLISHED JUNE 5, 1945. Class 26.

415,992. MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS. SOLOMON BROS. CO., New York, N. Y.
Filed March 9, 1945. Serial No. 480,717. PUBLISHED JUNE 12, 1945. Class 39.

415,993. MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS. SOLOMON BROS. CO., New York, N. Y.
Filed March 9, 1945. Serial No. 480,718. PUBLISHED JUNE 12, 1945. Class 39.

415,994. SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, JACKETS, MACKINAWS, AND COATS. TRUVAL MANUFACTURERS, INC., New York, N. Y.
Filed March 9, 1945. Serial No. 480,724. PUBLISHED JUNE 12, 1945. Class 39.

415,995. TAPIOCA. LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif.
Filed March 10, 1945. Serial No. 480,767. PUBLISHED MAY 29, 1945. Class 46.

415,996. SILVER PLATED FLATWARE. ONEIDA LTD., Sherrill, N. Y.
Filed March 13, 1945. Serial No. 480,873. PUBLISHED JUNE 12, 1945. Class 28.

415,997. OVERALLS AND MEN'S PANTS. COMMERCE MANUFACTURING COMPANY, INC., Commerce, Ga.
Filed March 14, 1945. Serial No. 480,891. PUBLISHED JUNE 12, 1945. Class 39.

415,998. PREPARATION FOR KILLING FLEAS, LICE, STICKTITES, TICKS, BEDBUGS, AND THE LIKE. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., Mount Vernon, N. Y.
Filed March 14, 1945. Serial No. 480,904. PUBLISHED JUNE 5, 1945. Class 6.

415,999. SEED POTATOES. L. E. TIBERT, Voss, N. Dak.
Filed March 14, 1945. Serial No. 480,933. PUBLISHED JUNE 12, 1945. Class 1.

416,000. BEET HARVESTERS. BLACKWELDER IRON WORKS, Rio Vista, Calif.
Filed March 17, 1945. Serial No. 481,008. PUBLISHED JUNE 12, 1945. Class 23.

416,001. FLUID REFRIGERANT. CLARA E. QUINN, St. Petersburg, Fla.
Filed March 17, 1945. Serial No. 481,026. PUBLISHED JUNE 5, 1945. Class 6.

416,002. LIQUID ANTISEPTIC FOR PERSONAL HYGIENE. EDWARD D. MINTZER, doing business as Kairite Company, Chicago, Ill.
Filed March 19, 1945. Serial No. 481,075. PUBLISHED JUNE 12, 1945. Class 6.

416,003. ANTISEPTICS. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn.
Filed March 21, 1945. Serial No. 481,158. PUBLISHED JUNE 5, 1945. Class 6.

416,004. OIL FILTERS PARTICULARLY ADAPTED FOR INTERNAL COMBUSTION ENGINES. PUROLATOR PRODUCTS, INC., Newark, N. J.
Filed March 22, 1945. Serial No. 481,191. PUBLISHED JUNE 12, 1945. Class 23.

416,005. MEDICINAL PRODUCTS CONTAINING VITAMINS AND COMPOUNDS OF HYDROFLUORIC ACID. AYERST, MCKENNA & HARRISON LIMITED, New York, N. Y.
Filed March 23, 1945. Serial No. 481,204. PUBLISHED JUNE 5, 1945. Class 6.

416,006. HOUSEHOLD SCISSORS, SEWING SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, TWEEZERS FOR ALL PURPOSES EXCEPT MANICURE, DENTAL, AND SURGICAL USE. REX CUTLERY CORPORATION, Irvington, N. J.
Filed March 22, 1945. Serial No. 481,192. PUBLISHED JUNE 12, 1945. Class 23.

416,007. HAND CREAMS AND FACE CREAMS. JOHN H. MASON, doing business as Soubrette Cosmetics, Los Angeles, Calif.
Filed March 24, 1945. Serial No. 481,285. PUBLISHED JUNE 5, 1945. Class 6.

416,008. VITAMIN CONTAINING OILS FOR POULTRY AND POULTRY FEED SUPPLEMENT. THE NOVINS COMPANY, INCORPORATED, New York, N. Y.
Filed March 24, 1945. Serial No. 481,287. PUBLISHED JUNE 12, 1945. Class 6.

416,009. ELECTRIC HOT PLATES OR STOVES USED PRIMARILY FOR BREWING COFFEE IN HOMES, RESTAURANTS, LUNCH COUNTERS, AND HOTELS. HILL-SHAW COMPANY, Chicago, Ill.
Filed March 26, 1945. Serial No. 481,325. PUBLISHED JUNE 12, 1945. Class 21.

416,010. GAS HOT PLATES OR STOVES FOR USE IN RESTAURANTS, LUNCH COUNTERS, AND HOTELS, PRIMARILY FOR BREWING COFFEE. HILL-SHAW COMPANY, Chicago, Ill.
Filed March 26, 1945. Serial No. 481,326. PUBLISHED JUNE 12, 1945. Class 34.

416,011. RADIO RECEIVING SETS. PLEASANTAIRE CORPORATION OF AMERICA, Washington, D. C.
Filed March 27, 1945. Serial No. 481,382. PUBLISHED JUNE 12, 1945. Class 21.

416,012. FRESH VEGETABLES. HOLMES B. TABB, doing business as H. E. Tabb Co., Oceano, Calif.
Filed March 27, 1945. Serial No. 481,388. PUBLISHED MAY 29, 1945. Class 46.

416,013. UNDERARM DEODORANT. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo.
Filed March 28, 1945. Serial No. 481,411. PUBLISHED JUNE 5, 1945. Class 6.

416,014. DOG FOOD. ARBEE FOOD PRODUCTS CO., Kansas City, Kans.
Filed March 29, 1945. Serial No. 481,450. PUBLISHED MAY 29, 1945. Class 46.

416,015. METAL WORKING TOOLS AND TOOL ACCESSORIES—NAMELY, DRILLS, COUNTERBORING TOOLS, SPOT FACING TOOLS, MILLING CUTTERS, ETC. EX-CELL-O CORPORATION, Detroit, Mich.
Filed March 31, 1945. Serial No. 481,574. PUBLISHED JUNE 12, 1945. Class 23.

416,016. SPRAY CONCENTRATE FOR DESTROYING ROACHES, WATER BUGS, ANTS, AND OTHER INSECTS. DALLAS CHEMICAL SALES COMPANY, Buffalo, N. Y.
Filed April 3, 1945. Serial No. 481,665. PUBLISHED JUNE 12, 1945. Class 6.

416,017. TOILET CREAM AND FACE POWDER. EFFIE L. GOODMAN, Washington, D. C.
Filed April 3, 1945. Serial No. 481,669. PUBLISHED JUNE 12, 1945. Class 6.

416,018. CALCIUM CASEINATE ANTACID TABLETS. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed April 5, 1945. Serial No. 481,744. PUBLISHED JUNE 12, 1945. Class 6.

416,019. MEASURING OR TESTING MACHINES TO DETERMINE EFFICIENCY OF SCOURING OR CLEANING POWDER. GRANT ADVERTISING, INC., Dallas, Tex.
Filed April 6, 1945. Serial No. 481,784. PUBLISHED JUNE 5, 1945. Class 26.

416,020. INSULATING FIRE BRICK. THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio.
Filed April 11, 1945. Serial No. 482,015. PUBLISHED JUNE 12, 1945. Class 12.

416,021. CANNED FISH — NAMELY, CRAB MEAT, OYSTERS, AND TUNA. COMMANDO PACKING COMPANY, North Bend, Oreg.
Filed April 12, 1945. Serial No. 482,048. PUBLISHED JUNE 12, 1945. Class 46.

416,022. CANNED FISH. FRED B. NEUHOFF COMPANY, Los Angeles, Calif.
Filed April 12, 1945. Serial No. 482,067. PUBLISHED JUNE 12, 1945. Class 46.

416,023. MUSTARD. OLD DUTCH MUSTARD CO., INC., Brooklyn, N. Y.
Filed April 12, 1945. Serial No. 482,069. PUBLISHED JUNE 12, 1945. Class 46.

416,024. DOG FOOD. INDIAN DAIRIES CORPORATION, Carlstadt, N. J.
Filed April 14, 1945. Serial No. 482,157. PUBLISHED JUNE 12, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,025. (CLASS 37. PAPER AND STATIONERY.) SPEED PRODUCTS COMPANY, Long Island City, N. Y. Filed Mar. 7, 1942. Serial No. 451,474.

SPEED

Applicant is the owner of Reg. No. 246,812.

FOR STAPLING MACHINES, TACKERS, AND PLIERS OF THE HAND OPERATED TYPE FOR FASTENING TOGETHER SUCH MATERIAL AS PAPER, CARDBOARD, AND/OR CLOTH AND/OR THE LIKE; FOR INDEX TABS, RUBBER FINGER TIPS, PUNCHES AND PERFORATING DEVICES OF THE HAND OPERATED TYPE, PAPER FASTENERS, PAPER CLIPS, FOLDERS FOR BINDING AND HOLDING PAPER TOGETHER, PRONGS FOR PAPER FASTENERS, AND PRONG EXTENDERS.

Claims use since July 10, 1936.

416,026. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) ASSOCIATED ENGINEERING COMPANY, Fresno, Calif. Filed Apr. 25, 1942. Serial No. 452,574.

TIRETUBELUBE

FOR PASTE LIKE COMPOSITION OF POWDERED SOAPSTONE AND GRAPHITE FOR TIRE CASINGS TO PREVENT HEAT, FRICTION, ETC.

Claims use since Apr. 9, 1942.

416,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CANNING COMPANY, Vinton, Iowa. Filed July 2, 1943. Serial No. 461,820.

Quick Meal

The applicant is the owner of registration No. 202,446, dated Aug. 25, 1925.

FOR CANNED VEGETABLES.

Claims use since 1902.

416,028. (CLASS 17. TOBACCO PRODUCTS.) JOHN MIDDLETON, INC., Philadelphia, Pa. Filed Dec. 4, 1943. Serial No. 465,509.

"BEST SELLERS"

FOR SMOKING TOBACCO.

Claims use since Nov. 24, 1943.

416,029. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBERT FIELD, doing business under name of Field Abrasive Specialty Mfg. Co., Dayton, Ohio. Filed May 16, 1944. Serial No. 470,301.

Strongstitch

FOR FLEXIBLE ABRASIVE ROLLS.

Claims use since Apr. 1, 1944.

416,030. (CLASS 2. RECEPTACLES.) TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed May 19, 1944. Serial No. 470,429.

TOKHEIM

FOR LIQUID FUEL TANKS.

Claims use since May 1902.

416,031. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE GEORGE LAWRENCE CO., Portland, Oreg. Filed May 22, 1944. Serial No. 470,504.

GEO. LAWRENCE CO.

FOR HOLSTERS, CARTRIDGE BELTS, HOLSTER BELTS AND BANDS, AND CARTRIDGE AND GUN CASES, GUN SCABBARDS, AND GUN SHEATHS.

Claims use since Jan. 1, 1910.

416,032. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE GEORGE LAWRENCE CO., Portland, Oreg. Filed May 22, 1944. Serial No. 470,505.

Lawrence

FOR HOLSTERS, CARTRIDGE BELTS, HOLSTER BELTS AND BANDS, AND CARTRIDGE AND GUN CASES, GUN SCABBARDS, AND GUN SHEATHS.

Claims use since Nov. 30, 1939.

416,033. (CLASS 32. FURNITURE AND UPHOLSTERY.) CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 29, 1944. Serial No. 470,756.

PLASTICOAT

FOR HOUSEHOLD FURNITURE—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET, AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING ROOM TABLES AND CABINETS, CHINA CABINETS, AND SERVING TABLES.

Claims use since Apr. 20, 1944.

416,034. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUMBERLAND DAIRY PRODUCTS CO. INC., Brooklyn, N. Y. Filed June 15, 1944. Serial No. 471,248.

CUMBERLAND

Taste *Treat*

FOR FOOD PRODUCT CONSISTING PRINCIPALLY OF CHEESE WITH OTHER INGREDIENTS ADDED.

Claims use since Apr. 26, 1944.

416,035. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y. Filed June 17, 1944. Serial No. 471,348.

Barry

JASON EX. LOCK-FOR

FOR TOILET SOAP.

Claims use since June 15, 1944.

416,036. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAY CHEMICAL CO., Newark, N. J. Filed July 1, 1944. Serial No. 471,867.

KENWOOD

Claims use since June 16, 1944.

FOR SHAVING CREAM.

416,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELMONT LABORATORIES, Chicago, Ill., assignor to Sidney E. Belmont, Chicago, Ill., doing business as Belmont Laboratories. Filed July 10, 1944. Serial No. 472,032.

FRESH'nAIRE

Pull the wick- kill it quick!

FOR HOUSEHOLD DEODORANT.

Claims use since May 26, 1944.

416,038. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEERFIELD PACKING CORPORATION, Bridgeton, N. J. Filed July 10, 1944. Serial No. 472,045.

Fenwick

FOR FROZEN APPLES, STRAWBERRIES, BLUEBERRIES, BLACKBERRIES, GOOSEBERRIES, PLUMS, PEACHES, AND APRICOTS, AND VEGETABLES.

Claims use since June 22, 1944.

416,039. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS. HOFFMANN-STAFFORD TANNING CO., Chicago, Ill. Filed Aug. 9, 1944. Serial No. 473,100.

GLOVLAMB

FOR LEATHER.

Claims use since July 13, 1944.

416,040. (CLASS 15. OILS AND GREASES.) AMERICAN OIL & SUPPLY COMPANY, Newark, N. J. Filed Aug. 30, 1944. Serial No. 473,718.

Hi-Oily

FOR OIL AND GREASE LUBRICANTS, ANTI-CORROSIVE OILS AND GREASES, GUN OILS, GUN GREASES, CUTTING OILS, GUN-BORE OIL SOLVENTS, ANTI-CORROSIVE OILS, QUENCHING OILS, AND TEMPERING OILS.

Claims use since May 22, 1944.

416,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN GREENBERG, doing business as Butterich Cream Products Co., Chelsea, Mass. Filed Sept. 1, 1944. Serial No. 473,816.

BUTTERICH CREAM

FOR CREAM SAUCE PREPARED AND SOLD AS SUCH, CONSISTING OF MILK SOLIDS, BUTTER FATS, DEXTROSE, SALT, AND CERTAIN STARCHES FOR USE IN COOKING AND PREPARING CREAMED CHICKEN, CREAMED EGGS, CREAMED FISH, CREAMED MACARONI, CREAMED VEGETABLES, AND OTHER DISHES WHERE A CREAM SAUCE OF THIS TYPE MAY BE DESIRED.
Claims use since May 1944.

416,042. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OAKES & Co., also doing business as Tru-Test, Chicago, Ill. Filed Sept. 9, 1944. Serial No. 474,048.

KLEEN-TEST

FOR RADIATOR CLEANING COMPOUND, BRAKE FLUID, KNEE-ACTION FLUID, ANTI-FREEZE COMPOUND, INSECTICIDES, HOUSEHOLD DEODORANTS, DISINFECTANTS, CATTLE SPRAYS, SHEEP DIP, DRAIN CLEANER, SOLDERING FLUID, WASHING SODA, LAUNDRY BLUING, LAUNDRY STARCH, AND LYE.
Claims use since May 25, 1944.

416,043. (CLASS 12. CONSTRUCTION MATERIALS.) SHEETLOCK COMPANY, Chicago, Ill. Filed Sept. 27, 1944. Serial No. 474,680.

SHEETLOCK

FOR METAL FASTENING STRIPS FOR ALL TYPES OF NON-METALLIC BOARDS.
Claims use since June 21, 1942.

416,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIUS V. MADSEN, doing business as Julius V. Madsen Co., Alhambra and Los Angeles, Calif. Filed Oct. 12, 1944. Serial No. 475,259.

KARNAK

FOR BUBBLE BATH PREPARATION.
Claims use since June 13, 1944.

416,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 14, 1944. Serial No. 475,313.

CAKE MAKE-UP

LIGHT LOTUS

Associated Distributors, Inc.

FOR FACIAL MAKE-UP.
Claims use since Nov. 18, 1940.

416,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 14, 1944. Serial No. 475,315.

CAKE MAKE-UP

TEA TAN

Associated Distributors, Inc.

FOR FACIAL MAKE-UP.
Claims use since Nov. 18, 1940.

416,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY TULKÖFF, doing business as Tulkoff's Horse Radish Products Co., Baltimore, Md. Filed Nov. 4, 1944. Serial No. 476,122.

TULKOFF'S

FOR HORSE RADISH, HORSE RADISH RELISH, COCKTAIL SAUCE, HORSE RADISH MUSTARD, AND VINEGAR.
Claims use since January 1920.

416,048. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Nov. 20, 1944. Serial No. 476,677.



The drawing is lined for shading.
FOR SPORTSWEAR BAGS.
Claims use since May 3, 1944.

416,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. MIDDLEBROOKS, doing business as Harvey Pecan Co., Jonesboro, Ga. Filed Nov. 20, 1944. Serial No. 476,686.

Harvey's

FOR CANDIES AND SHELLED AND UNSHELLED NUTS.
Claims use since Oct. 12, 1934.

416,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR MAYER & Co., Chicago, Ill. Filed Nov. 24, 1944. Serial No. 476,845.



FOR SAUSAGE MADE OF PORK AND BEEF AND OTHER INGREDIENTS.
Claims use since Mar. 6, 1944.

416,051. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Dec. 7, 1944. Serial No. 477,298.

FOR MEN ONLY

"GOLDEN ARROW" SOAP

FOR FACIAL AND BATH SOAPS.
Claims use since May 25, 1943.

416,052. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HATTIE CARNEGIE, INC., New York, N. Y. Filed Dec. 8, 1944. Serial No. 477,318.

BLUEFOAM

FOR BATH SALTS AND BATH PERFUMES.
Claims use since Jan. 1, 1943.

416,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HATTIE CARNEGIE, INC., New York, N. Y. Filed Dec. 8, 1944. Serial No. 477,320.

PINKFOAM

FOR BATH SALTS AND BATH PERFUMES.
Claims use since Jan. 1, 1943.

416,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. LEWIS, doing business under the name Termite Products Co., New York, N. Y. Filed Jan. 25, 1945. Serial No. 479,009.



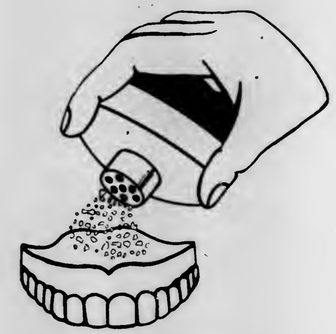
FOR INSECTICIDES.
Claims use since May 22, 1944.

416,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM TUMARKIN, doing business as Pur-O-Scent Chemical Co., Boston, Mass. Filed Jan. 29, 1945. Serial No. 479,144.



FOR PREPARATION FOR PURIFYING AIR WHICH CONSISTS OF A LIQUID CONTAINING CERTAIN INGREDIENTS WHICH KILLS AND OVERCOMES ALL ODORS IN KITCHENS, SICK ROOMS, SMOKY ROOMS, BATHROOMS, AND CLOSETS.
Claims use since Sept. 15, 1943.

416,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COREGA CHEMICAL COMPANY, Cleveland, Ohio. Filed Jan. 31, 1945. Serial No. 479,225.



FOR DENTAL POWDER FOR ASSISTING IN HOLDING DENTAL PLATES IN THE MOUTH.
Claims use since June 15, 1914.

416,057. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PANZER PACKING CO. INC., Baltimore, Md. Filed Feb. 6, 1945. Serial No. 479,490.

PANZER GOETZE

Applicant is the owner of Reg. Nos. 183,753 (renewed); 406,736; and 406,737.
FOR PICKLES, SANDWICH SPREAD, MAYONNAISE, COCKTAIL SAUCES, SALAD DRESSINGS, AND CHILI SAUCE.
Claims use since June 15, 1944.

416,058. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HERBERT RUBIN, doing business as Novell, New York, N. Y. Filed Feb. 7, 1945. Serial No. 479,528.

LAMP-LITE

FOR LAMPS CONTAINING A LIQUID WHICH WHEN BURNED CREATE A DEODORIZING EFFECT.
Claims use since Mar. 13, 1941.

416,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LADDS-NESSLER CO., New York, N. Y. Filed Feb. 8, 1945. Serial No. 479,626.

Hi-Lustre

FOR HAIR RINSE.
Claims use since June 19, 1944.

416,060. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) A & D COMPANY, INC., Chicago, Ill., and New York N. Y. Filed Feb. 27, 1945. Serial No. 480,270.

D-R-I

Applicant is the owner of Reg. No. 414,568.
FOR PEAT MOSS AS A FERTILIZER AND SOIL CONDITIONER.
Claims use since Apr. 18, 1944.

416,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMPANIA AZUCARERA CENTRAL TOLEDO, S. A., Marianao City, Cuba. Filed Feb. 23, 1945. Serial No. 480,130.

ASPURU

Applicant is the owner of Reg. No. 331,215.
FOR SUGAR CANDY, BONBONS, CARAMELS, ALMONDS COATED WITH SUGAR, SUGAR-COATED DRIED FRUIT, MARMALADE OF FRUIT, CANDIED FRUIT, AND FRUITS TREATED IN HEAVY SYRUP.
Claims use since Nov. 13, 1941.

416,062. (CLASS 12. CONSTRUCTION MATERIALS.) BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed March 19, 1945. Serial No. 481,055.

BUTLER BUILT

FOR FABRICATED STEEL BUILDINGS AND HANGARS.
Claims use since Nov. 30, 1942.

416,063. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAMES WALSH & CO. INC., Lawrenceburg, Ind. Filed Mar. 28, 1945. Serial No. 481,448.

James Walsh

FOR WHISKIES, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS.
Claims use since June 7, 1943.

416,064. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARNA M. BUTZ, doing business as Lacquerwax Co., Hartford, Conn. Filed Mar. 29, 1945. Serial No. 481,460.

Swift

FOR GLASS CLEANERS, HAND SOAP, AND PREPARATIONS FOR REMOVING TAR.
Claims use since Jan. 1, 1938.

416,065. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Mar. 30, 1945. Serial No. 481,559.

PULL-EASY

FOR FARM AND GARDEN CULTIVATORS.
Claims use since 1918.

416,066. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HOLLYWOOD PRODUCTS COMPANY, Los Angeles, Calif. Filed Apr. 11, 1945. Serial No. 481,996.



The representation of the figure is fanciful.
FOR ABRASIVE MITTS FOR REMOVING HAIR FROM THE HUMAN BODY.
Claims use since January 1930.

416,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING PHARR CANNING OPERATIONS, Laurel, Miss. Filed Apr. 26, 1945. Serial No. 482,631.

KING PHARR

FOR CANNED VEGETABLES.
Claims use since 1904.

416,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK J. MANN, doing business as The Mann Company, Philadelphia, Pa. Filed May 5, 1945. Serial No. 483,024.



The drawing is lined for red. The representation of the figure is fanciful.
FOR POTATO CHIPS.
Claims use since May 19, 1920.

416,069. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE L. BUCHMAN CO., INC., Brooklyn, N. Y. Filed May 16, 1945. Serial No. 483,421.



FOR PILLOWS.
Claims use since Aug. 14, 1934.

416,070. (CLASS 32. FURNITURE AND UPHOLSTERY.) ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed May 28, 1945. Serial No. 483,837.

VERI-VISIBLE

FOR CARD INDEX CABINETS.
Claims use since Mar. 14, 1944.

TRADE-MARK REGISTRATIONS RENEWED

27,056. **PILGRIM.** CHOCOLATE, COCOA, AND PREPARATIONS THEREOF. Registered Sept. 10, 1895. HENRY L. PIERCE, Boston, Mass. Re-renewed Sept. 10, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

27,057. **PURITAN.** CHOCOLATE, COCOA, AND PREPARATIONS THEREOF. Registered Sept. 10, 1895. HENRY L. PIERCE, Boston, Mass. Re-renewed Sept. 10, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

27,176. **REPRESENTATION OF INDIAN HEAD AND WORDING.** COTTON SHEETINGS. Registered Nov. 5, 1895. JACKSON COMPANY, Nashua, N. H. Re-renewed Nov. 5, 1945, to Nashua Manufacturing Company, Boston, Mass., a corporation of New Hampshire, assignee. Class 42.

44,502. **SEMIBRONZE.** PISTON-PACKING. Registered July 11, 1905. CHARLESTON METALLIC PACKING Co., Charleston, S. C. Re-renewed July 11, 1945, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 35.

44,628. **GILT EDGE.** PACKING FOR PARTS OF MACHINERY. Registered July 18, 1905. CHARLESTON METALLIC PACKING Co., Charleston, S. C. Re-renewed July 18, 1945, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 35.

44,985. **WIDOW JONES.** MEN'S AND CHILDREN'S OVERCOATS, COATS, VESTS, AND TROUSERS. Registered Aug. 1, 1905. MYERS & ANDREWS. Re-renewed Aug. 1, 1945, to S. A. & H. Myers, Inc., Boston, Mass., a corporation of Massachusetts, successor. Class 39.

45,069. **CH.** RAILWAY-CAR CASTINGS. Registered Aug. 8, 1905. THE NATIONAL MALLEABLE CASTINGS COMPANY, Chicago, Ill. Re-renewed Aug. 8, 1945, to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 14.

45,762. **"LYMAN MILLS H" AND DRAWING.** DRILLING. Registered Aug. 29, 1905. MINOT, HOOPER & Co., New York, N. Y., a firm. Re-renewed Aug. 29, 1945. Class 42.

45,826. **DWIGHT.** WOVEN COTTON FABRICS. Registered Aug. 29, 1905. MINOT, HOOPER & Co., New York, a firm. Re-renewed Aug. 29, 1945. Class 42.

45,895. **"DWIGHT" AND DRAWING.** WOVEN COTTON FABRICS. Registered Aug. 29, 1905. MINOT, HOOPER & Co., New York, N. Y., a firm. Re-renewed Aug. 29, 1945. Class 42.

46,126. **"D" AND REPRESENTATION OF A LION.** SHEETINGS. Registered Sept. 5, 1905. MINOT, HOOPER & Co., New York, N. Y., a firm. Re-renewed Sept. 5, 1945. Class 42.

46,268. **LYMAN.** SHEETINGS AND DRILLINGS. Registered Sept. 12, 1905. MINOT, HOOPER & Co., New York, N. Y., a firm. Re-renewed Sept. 12, 1945. Class 42.

46,450. **BROMO-SELTZER.** GRANULAR EFFERVESCENT SALT FOR THE CURE OF HEADACHE, NERVOUSNESS, NERVOUS HEADACHE, NEURALGIA, BRAIN FATIGUE, SLEEPLESSNESS, OVER BRAIN-WORK, DEPRESSION, AND MENTAL EXHAUSTION. Registered Sept. 19, 1905. EMERSON DRUG COMPANY. Re-renewed Sept. 19, 1945, to The Emerson Drug Company of Baltimore City, Baltimore, Md., a corporation of Maryland, successor. Class 6.

46,665. **O C.** REFINED COPPER. Registered Oct. 3, 1905. ORFORD COPPER COMPANY. Re-renewed Oct. 3, 1945, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware, successor. Class 14.

46,666. **O A.** REFINED COPPER. Registered Oct. 3, 1905. ORFORD COPPER COMPANY. Re-renewed Oct. 3, 1945, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware, successor. Class 14.

46,667. **O E C.** REFINED COPPER. Registered Oct. 3, 1905. ORFORD COPPER COMPANY. Re-renewed Oct. 3, 1945, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware, successor. Class 14.

46,691. **SIC.** CRYSTALLINE CARBID OF SILICON. Registered Oct. 3, 1905. THE CARBORUNDUM COMPANY. Re-renewed Oct. 3, 1945, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware, assignee. Class 6.

46,705. **REPRESENTATION OF A TRIANGLE WITHIN A CIRCULAR DESIGN.** SPICES. Registered Oct. 3, 1905. GRAND UNION TEA Co., Brooklyn, N. Y. Re-renewed Oct. 3, 1945, to The Grand Union Company, New York, N. Y., a corporation of Delaware, assignee. Class 46.

46,832. **GRAND UNION.** TEAS. Registered Oct. 10, 1905. GRAND UNION TEA Co., Brooklyn, N. Y. Re-renewed Oct. 10, 1945, to The Grand Union Company, New York, N. Y., a corporation of Delaware, assignee. Class 46.

46,833. **REPRESENTATION OF A TRIANGLE WITHIN A CIRCULAR DESIGN.** COFFEE. Registered Oct. 10, 1905. GRAND UNION TEA Co., Brooklyn, N. Y. Re-renewed Oct. 10, 1945, to The Grand Union Company, New York, N. Y., a corporation of Delaware, assignee. Class 46.

47,136. **KNICKERBOCKER.** CANDIES AND CANDIED FRUITS. Registered Oct. 31, 1905. DENIS ARNOULD, Re-renewed Oct. 31, 1945, to Benjamin C. Weisberg, doing business as D. Arnould Co., New York, N. Y., assignee. Class 46.

47,145. **"BD" ETC. AND DESIGN.** PRINTING-FILMS FOR USE IN THE LITHOGRAPHIC AND TYPOGRAPHIC TRADES. Registered Oct. 31, 1905. BENJAMIN DAY. Re-renewed Oct. 31, 1945, to Ben Day, Inc., New York, N. Y., a corporation of New Jersey, assignee. Class 26.

47,208. **"GLOBE MILLS" AND DRAWING.** WHEAT-FLOUR. Registered Oct. 31, 1905. THORNTON & CHESTER MILLING Co., Buffalo, N. Y., a corporation of New York. Re-renewed Oct. 31, 1945. Class 46.

47,263. **AMATITE.** READY TAR-AND-FELT ROOFING. Registered Oct. 31, 1905. BARRETT MANUFACTURING COMPANY. Re-renewed Oct. 31, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 12.

47,273. **PIEFILENE.** PIE-FILLINGS. Registered Oct. 31, 1905. H. A. JOHNSON & Co. Re-renewed Oct. 31, 1945, to H. A. Johnson Co., Boston, Mass., a corporation of Massachusetts, successor. Class 46.

47,337. **FIRST CALL.** BLEACHED, BROWN, AND COLORED COTTON SHEETINGS AND DRILLINGS. Registered Oct. 31, 1905. JOHN L. SALTER. Re-renewed Oct. 31, 1945, to Woodward, Baldwin and Company, New York, N. Y., a firm, successor. Class 42.

47,357. **CLUETT.** OUTER SHIRTS AND DRESS-SHIRTS. Registered Oct. 31, 1905. CLUETT, PEABODY & Co. Re-renewed Oct. 31, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 39.

47,360. **SPEEDWAY.** MARINE ENGINES. Registered Oct. 31, 1905. GAS ENGINE & POWER CO. AND CHARLES L. SEABURY & Co., CONSOLIDATED. Re-renewed Oct. 31, 1945, to Consolidated Shipbuilding Corporation, New York, N. Y., a corporation of New York, by change of name. Class 23.

47,364. **REPRESENTATION OF A KEYSTONE AND STEER'S HEAD.** LININGS OF INSULATING MATERIAL. Registered Oct. 31, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Re-renewed Oct. 31, 1945, to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 12.

47,397. **"DA LOCUM MELIORIBUS" AND DRAWING.** PENS, PEN-HOLDERS, FOUNTAIN-PENS. Registered Oct. 31, 1905. THE SPENCERIAN PEN COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed Oct. 31, 1945. Class 37.

47,456. **"HR" AND DESIGN.** REMEDY FOR CATARRH, HAY-FEVER, COLD IN THE HEAD, THROAT TROUBLES, BRONCHITIS, ASTHMA, SORES, ULCERS, BOILS, CARBUNCLES, BURNS, SCALD, CHAPPED HANDS AND LIPS. Registered Nov. 7, 1905. HOME REMEDY & SUPPLY Co., York, Pa., a corporation of Pennsylvania. Re-renewed Nov. 7, 1945. Class 6.

47,457. **REPRESENTATION OF A FOUNTAIN ETC.** FLORIDA WATER. Registered Nov. 7, 1905. LANMAN & KEMP. Re-renewed Nov. 7, 1945, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, by change of name. Class 6.

47,476. **BITULITHIC.** BITUMINOUS PAVEMENTS. Registered Nov. 7, 1905. WARREN BROTHERS COMPANY, Boston, Mass. Re-renewed Nov. 7, 1945, to Warren Brothers Company, Cambridge, Mass., a corporation of West Virginia. Class 12.

197,912. **SIERRA.** TALC, WHITING, AND SILICA. Registered Apr. 28, 1925. SIERRA TALC COMPANY, Los Angeles, Calif., a corporation of California. Renewed Apr. 28, 1945. Class 1.

198,496. **SOUND SLEEP.** WIRE MATTRESSES. Registered May 19, 1925. THE MOORE COMPANY, Muncie, Ind., a corporation of Indiana. Renewed May 19, 1945. Class 32.

198,767. **MAXINE.** SOAP. Registered May 26, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 26, 1945. Class 4.

198,807. **AQUAPHOR.** BASE FOR OINTMENTS. Registered May 26, 1925. P. BEIERSDORF & Co. INC., New York, N. Y. Renewed May 26, 1945, to P. Beiersdorf & Co. Inc., Stamford, Conn., a corporation of New York. Class 6.

199,090. **"AMERICAN-MARSH PUMPS" AND DRAWING.** STEAM AND POWER PUMPS AND PUMPING MACHINERY AND PARTS THEREOF. Registered June 2, 1925. AMERICAN STEAM PUMP COMPANY. Renewed June 2, 1945, to American-Marsh Pumps, Inc., Battle Creek, Mich., a corporation of Michigan, by change of name. Class 23.

199,137. **TUSCO.** FARM MACHINERY AND IMPLEMENTS—VIZ, SILO FILLERS. Registered June 2, 1925. SCHMECHEL & SCHUBERT MFG. Co. Renewed June 2, 1945, to Arno Schmechel & Son, Inc., Thiensville, Wis., a corporation of Wisconsin, assignee. Class 23.

199,150. **KARRANA.** WOOLEN PIECE GOODS. Registered June 2, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed June 2, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee. Class 42.

199,151. **CREOLEEN.** WOOLEN PIECE GOODS. Registered June 2, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed June 2, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee. Class 42.

199,152. **ISPANA.** WOOLEN PIECE GOODS. Registered June 2, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed June 2, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee. Class 42.

199,156. **JIFFYKNIT.** BABY PANTS AND SANITARY BLOOMERS. Registered June 2, 1925. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed June 2, 1945. Class 39.

199,158. **REPRESENTATION OF A BOILING KETTLE AND WOMAN.** THREADS, YARNS, AND COTTONS FOR EMBROIDERING AND CROCHETING. Registered June 2, 1925. T. BUETTNER & Co., INC., Chicago, Ill., a corporation of Illinois. Renewed June 2, 1945. Class 43.

199,336. **CRYSTAL ROCK.** PLASTER. Registered June 9, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed June 9, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

199,369. **ORIENTAL TAR.** SOAP. Registered June 9, 1925. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 9, 1945. Class 4.

199,723. **VELIPCO.** ENVELOPE PAPER. Registered June 16, 1925. INTERNATIONAL PAPER COMPANY. Renewed June 16, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee. Class 37.

199,755. **CERTAIN-TEED.** DENTAL PLASTER AND SURGICAL PLASTER OF PARIS. Registered June 16, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed June 16, 1945, to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 44.

199,845. **FLORENTA.** WOOLEN PIECE GOODS. Registered June 16, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed June 16, 1945, to Forstmann Woolen Co., Passiac, N. J., a corporation of New Jersey, assignee. Class 42.

199,905. **KASHINORA.** WOOLEN PIECE GOODS. Registered June 23, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed June 23, 1945, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee. Class 42.

199,944. **"GALLEON" AND DRAWING.** WHEAT FLOUR. Registered June 23, 1925. THE WILCOX-HAYES COMPANY, Portland, Oreg., a corporation of Oregon. Renewed June 23, 1945. Class 46.

200,101. **JIFFY.** SANITARY BLOOMERS. Registered June 23, 1925. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed June 23, 1945. Class 39.

200,260. **"GREEN STRIPE" AND DESIGN.** CANVAS MAIL SACKS, COAL BAGS, LETTER-CARRIER POUCHES, COIN SACKS, SAND BAGS, BALLAST BAGS, DYE BAGS, ORANGE-PICKERS' BAGS, SUGAR BAGS, WATER BUCKETS, OIL-PRESS BAGS, NEWSBOYS' DELIVERY BAGS, CLOTHES BAGS, FEED BAGS, NOSE BAGS, RATION BAGS, CANVAS SACKS, YARN BAGS, GAME BAGS, AND LAUNDRY BAGS. Registered June 30, 1925. WM. E. HOOPER & SONS Co., Woodberry, Baltimore, Md., a corporation of Maryland. Renewed June 30, 1945. Class 2.

200,283. **"WEALTH" ETC. AND DRAWING.** WHEAT FLOUR. Registered June 30, 1925. THE WILCOX-HAYES COMPANY, Portland, Oreg., a corporation of Oregon. Renewed June 30, 1945. Class 46.

200,299. **FEATHERETTE.** DRESS SHIELDS. Registered June 30, 1925. I. B. KLEINERT RUBBER COMPANY, New York N. Y., a corporation of New York. Renewed June 30, 1945. Class 40.

200,300. **VELVYTTE.** DRESS SHIELDS. Registered June 30, 1925. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed June 30, 1945. Class 40.

200,373. **"CHEMI-COPY" ETC. AND DRAWING.** CARBON PAPER. Registered June 30, 1925. CHEMICAL PROCESS CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed June 30, 1945. Class 11.

200,389. **—PRESURTITE—.** CENTRIFUGAL MACHINES. Registered June 30, 1925. THE SHARPLES SPECIALTY Co. Renewed June 30, 1945, to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware, by change of name. Class 23.

200,593. **"SENTINEL" AND DRAWING.** READY-MIXED PAINTS AND PASTE PAINTS. Registered July 7, 1925. JAMES B. SIPE & COMPANY, Pittsburgh, Pa., a corporation of Delaware. Renewed July 7, 1945. Class 16.

200,948. **"CONTINENTAL" ETC. AND DRAWING.** WEIGHING SCALES. Registered July 14, 1925. CONTINENTAL SCALE WORKS. Renewed July 14, 1945, to Continental Scale Corporation, Chicago, Ill., a corporation of Delaware, assignee. Class 26.

201,323. **WHITOR THE WHITEST WHITE.** READY-MIXED PAINTS. Registered July 21, 1925. ORTH FITZPATRICK. Renewed July 21, 1945, to Russell Bixel, doing business as Fitzpatrick Paint Manufacturing Company, Warsaw, Ind., successor. Class 16.

201,535. **"SHREWSBURY MILLS BARBOURS" AND DRAWING.** LINEN THREAD. Registered July 28, 1925. BARBOUR FLAX SPINNING COMPANY, Paterson, N. J. Renewed July 28, 1945, to The Linen Thread Co. Inc., New York, N. Y., a corporation of Delaware, assignee. Class 43.

201,720. **CAMEO.** WATCHES AND WATCH MOVEMENTS. Registered Aug. 4, 1925. ADOLPHE SCHWOB, INC., New York, N. Y. Renewed Aug. 4, 1945, to Louis A. Schwob, Pelham Manor and New York, N. Y., assignee by mesne assignments. Class 27.

201,732. **HERCULES.** CLOTHES RACKS. Registered Aug. 4, 1925. LEVINE & SOLOMON. Renewed Aug. 4, 1945, to Hercules Rack Co., formerly known as Levine & Solomon, New York, N. Y., a firm. Class 32.

202,046. **F-C-F.** FUEL DERIVED FROM PITCH FOR METALLURGICAL PURPOSES. Registered Aug. 11, 1925. THE BARRETT COMPANY. Renewed Aug. 11, 1945, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York, assignee. Class 1.

202,201. **"CHELMSFORD" AND DESIGN.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. Registered Aug. 18, 1925. C. GEORGE ARMSTRONG, doing business as The Chelmsford Company. Renewed Aug. 18, 1945, to Canada Dry Ginger Ale, Incorporated, New York, N. Y., a corporation of Delaware, assignee. Class 45.

202,229. **VACUUM.** WRITING PAPER AND PRINTING PAPER. Registered Aug. 18, 1925. INTERNATIONAL PAPER COMPANY. Renewed Aug. 18, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee. Class 37.

202,555. **SLAZENGERS.** GOLF CLUBS, GOLF-CLUB HEADS, GOLF BALLS, GOLF BAGS, TENNIS RACKETS, TENNIS BALLS, TENNIS MARKING TAPE, TENNIS GRIPS, TENNIS PRESSES, SQUASH RACKETS, SHUTTLECOCKS, FIELD-HOCKEY BALLS, CROQUET SETS, CROQUET MALLETS, CRICKET BATS, LAWN BOWLS, AND FOOTBALLS. Registered Aug. 25, 1925. FRANK L. SLAZENGER CORPORATION, New York, N. Y. Renewed Aug. 25, 1945, to Slazengers Limited, London, England, an organized company of Great Britain, assignee by mesne assignments. Class 22.

202,650. **"KRAFTOWL" AND DRAWING.** PAPER TOWELS. Registered Sept. 1, 1925. CONTINENTAL PAPER & BAG MILLS CORPORATION. Renewed Sept. 1, 1945, to International Paper Company, New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 37.

202,668. **APRON CHECKS.** PLAIN AND SELF-RISING FLOUR. Registered Sept. 1, 1925. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn., assignor to Geo. P. Plant Milling Company. Renewed Sept. 1, 1945, to Dixie-Portland Flour Company, also doing business as The Arkansas City Flour Mills, Arkansas City, Kans., and Memphis, Tenn., a corporation of Tennessee, assignee by mesne assignments. Class 46.

202,687. **GINGHAM.** PLAIN AND SELF-RISING FLOUR. Registered Sept. 1, 1925. GEO. P. PLANT MILLING COMPANY, St. Louis, Mo. Renewed Sept. 1, 1945, to Dixie-Portland Flour Company, also doing business as The Arkansas City Flour Mills, Arkansas City, Kans., and Memphis, Tenn., a corporation of Tennessee, assignee by mesne assignments. Class 46.

204,566. **TDC.** REVERSE GEARS AND AUTOMATIC CUT-OFF CONTROLS. Registered Oct. 20, 1925. TRANSPORTATION DEVICES CORPORATION, Indianapolis, Ind., a corporation of Indiana. Renewed Oct. 20, 1945. Class 23.

204,572. **BROAD RAY.** MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. Registered Oct. 20, 1925. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 20, 1945. Class 39.

204,607. **524.** HAMES AND PARTS THEREOF. Registered Oct. 20, 1925. U. S. HAME COMPANY. Renewed Oct. 20, 1945, to Ushco Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York, by merger. Class 3.

204,707. **DAWN O'DAY.** CANNED FRUITS. Registered Oct. 20, 1925. G. W. HUME COMPANY, San Francisco, Calif. Renewed Oct. 20, 1945, to G. W. Hume Company, San Francisco, and Turlock, Calif., a corporation of California. Class 46.

204,741. **FRANCOIS.** MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. Registered Oct. 27, 1925. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 27, 1945. Class 39.

204,750. **REPRESENTATION OF A SHIELD DESIGN.** SULPHIDE OF SODA. Registered Oct. 27, 1925. GENERAL CHEMICAL COMPANY, New York, N. Y., a corporation of New York. Renewed Oct. 27, 1945. Class 6.

204,769. **RAY-DE SOIE.** MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. Registered Oct. 27, 1925. ELDER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 27, 1945. Class 39.

204,829. **"ROYAL DERBY" AND DRAWING.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered Oct. 27, 1925. ROSENBERG BROS. & CO. Renewed Oct. 27, 1945, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments. Class 39.

204,830. **ROYAL IMPERIAL.** MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Registered Oct. 27, 1925. ROSENBERG BROS. & CO. Renewed Oct. 27, 1945, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York, assignee by mesne assignments. Class 39.

204,844. **"B" AND DESIGN.** DOOR HANDLES AND KNOBS, NAME PLATES AND PUSH PLATES FOR DOORS, DOOR ESCUTCHEONS, DOOR KNOCKERS, SPRAYING NOZZLES, PERCOLATOR HANDLES, CASTERS, WALL PLATES, BELL HANDLES, VALVE DISKS AND HANDLES, SALT AND PEPPER SHAKERS, FURNITURE SLIDERS, AND TOILET SEATS. Registered Oct. 27, 1925. BAKELITE CORPORATION. Renewed Oct. 27, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 13.

204,845. **"B" AND DESIGN.** HANDLES FOR CANES, UMBRELLAS, PARASOLS. Registered Oct. 27, 1925, BAKELITE CORPORATION. Renewed Oct. 27, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 41.

204,882. **VENOL.** PRODUCT USED FOR FILLING AND FINISHING SILK. Registered Oct. 27, 1925. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed Oct. 27, 1945. Class 6.

204,912. **TOOTHEX.** MEDICINAL PREPARATION FOR THE TREATMENT OF TOOTHACHES. Registered Oct. 27, 1925. CRESCENT PHARMACAL CO., Long Island City, N. Y., a firm. Renewed Oct. 27, 1945. Class 6.

204,963. **"LIONCEAU" ETC. AND DESIGN.** PERFUMERY. Registered Oct. 27, 1925. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 27, 1945. Class 6.

204,964. **"PLACE DE L'OPÉRA" ETC. AND DESIGN.** PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. Registered Oct. 27, 1925. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 27, 1945. Class 6.

204,965. **"NUIT D'EGYPTE" ETC. AND DESIGN.** PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, AND BATH SALTS. Registered Oct. 27, 1925. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed Oct. 27, 1945. Class 6.

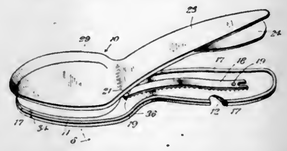
205,092. **ROYAL PALM NURSERIES.** ORNAMENTAL PLANTS AND TREES. Registered Nov. 3, 1925. REASONER BROTHERS, doing business as Royal Palm Nurseries. Renewed Nov. 3, 1945, to Brasota Nurseries, Inc., Oneco, Fla., a corporation of Delaware, successor. Class 1.

205,096. **"B" AND DESIGN.** VIOLIN BRIDGES, KEYS, STOPS, BOWS, AND CHIN RESTS; MANDOLIN KEYS AND BRIDGES, PIANO KEYS; MOUTHPIECES, KEYS, AND STOPS OF CORNETS, SAXOPHONES, PICCOLOS, FLUTES, CLARINETS, TROMBONES, TRUMPETS, AND BUGLES; BANJO, GUITAR, MANDOLIN, AND UKULELE STOPS, KEYS, AND BRIDGES, AND ZITHER POSTS, BRIDGES, AND KEYS; CLARINETS, CASTANETS, PHONOGRAPH RECORDS, NEEDLES, AND ACOUSTIC-AMPLIFYING HORNS; AND MUSIC-ROLL ENDS. Registered Nov. 3, 1925. BAKELITE CORPORATION. Renewed Nov. 3, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 36.

205,099. **BRUNSWICK.** PHONOGRAPHS AND PARTS THEREOF AND SUPPLIES THEREFOR—NAMELY, NEEDLES, AND RECORD ALBUMS—AND PHONOGRAPH RECORDS. Registered Nov. 3, 1925. THE BRUNSWICKE-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Nov. 3, 1945, to Brunswick Radio Corporation, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee. Class 36.

205,100. **PERFORMANCE COUNTS.** MOTOR TRUCKS. Registered Nov. 3, 1925. INTERNATIONAL MOTOR COMPANY. Renewed Nov. 3, 1945, to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware, by change of name. Class 19.

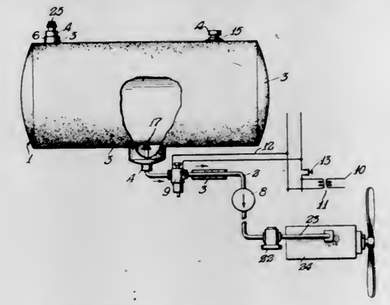
22,667
METHOD OF MAKING SHOES
Sebastiano Gallo, Brooklyn, N. Y.
Original No. 2,353,396, dated July 11, 1944, Serial No. 474,392, February 1, 1943. Application for reissue February 27 1945, Serial No. 580,067
8 Claims. (Cl. 12—142)



2. In the manufacture of an open-toe article of footwear which has an open-toe upper and a sole-member which is made of pliant material, said sole-member having an arched shank-portion in the finished article of footwear, said sole-member being split inwardly from its marginal edge around a portion of its periphery, to form upper and lower flaps along that portion of said periphery which is to be joined to said upper, the method which comprises detachably fixing to the inner face of said sole-member a stiff plate on which the sole-member is shaped to the desired shape of said sole-member in the finished article of footwear, said inner face being the inner face of the said sole-member in the finished article of footwear, said plate being thus fixed to said sole-member at a center point near the toe portion of said sole-member and at another point nearer the midportion of said sole-member, coating the confronting faces of said upper and lower flaps with cement, coating the marginal edges of the upper with cement, and with said lower flap turned down and after the cement has become tacky, inserting said marginal edges of the upper between said flaps, pressing the lower flap upwardly against said coated marginal edge to fix said coated marginal edge between said flaps, and thereafter detaching said stiff plates from said sole-member, said sole-member and said upper being thus fixed to each other in the final relative position which they have in the finished article of footwear.

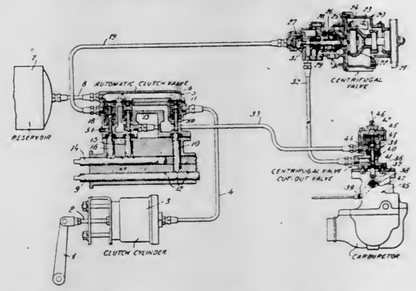
22,668
SAFETY TANK AND FUEL SYSTEM FOR AIRCRAFT
William Willard Paget, Newark, N. J.
Original No. 2,285,830, dated June 9, 1942, Serial No. 250,846, January 13, 1939. Application for reissue October 22 1942, Serial No. 463,011
10 Claims. (Cl. 158—46)

1. A safety fuel system for aircraft; said safety fuel system being provided with a fuel tank comprising a fuel container connected through fuel lines to pump, carburetor, parts, passages, and channels, and an aircraft engine; and said safety fuel container being suitably encompassed and encased in an essentially high temperature resistant, substantially heat and flame impermeable, surrounding outer garment, or encasing element, or member, provided therefor; especially and suitably adapted to effectually inhibit and



prevent the transfer, transmission, or access of external heat, or fire, to the interior of said fuel container, or the fuel contents thereof; as installed in above said aircraft.

22,669
POWER OPERATED CLUTCH MECHANISM
Theodore J. Zeller, Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Original No. 2,259,599, dated October 21, 1941, Serial No. 301,746, October 28, 1939. Application for reissue May 8, 1942, Serial No. 442,239
36 Claims. (Cl. 192—.01)



1. The combination with a clutch and power operated mechanism to actuate the clutch, including a clutch cylinder adapted to receive a fluid under pressure, and means responsive to engine speed for controlling the pressure of the fluid in said clutch cylinder, of throttle actuating means, and means responsive to movement of said throttle actuating means to render the means responsive to engine speed ineffective to control the fluid pressure in the clutch cylinder when the throttle is advanced a predetermined amount.

PATENTS

GRANTED AUGUST 21, 1945

2,382,951

MANUFACTURE OF CATALYSTS

Jacob Elston Ahlberg and Charles L. Thomas, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 30, 1941, Serial No. 408,998
4 Claims. (Cl. 252—254)

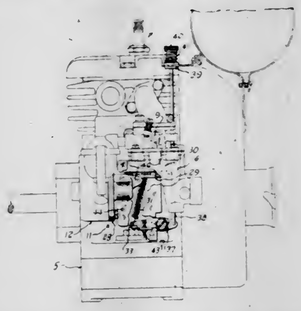
1. A process of catalyst manufacture which comprises conjointly precipitating hydrated silica and hydrated alumina by commingling aqueous solutions of an aluminum compound, an alkali metal silicate and an ammonium compound, the ammonium compound being in sufficient amount to provide in the mixture an ammonium ion concentration greater than the alkali metal ion concentration of said mixture, separating and washing the resultant silica-alumina precipitate and heating the latter to expel ammonia.

2,382,952

MECHANICAL GOVERNOR FOR INTERNAL-COMBUSTION ENGINES

Werner E. Armstrong, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application December 23, 1943, Serial No. 515,367
11 Claims. (Cl. 123—108)



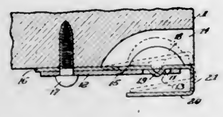
1. A governor for controlling the throttle valve of a combustion engine having a crankcase provided with a boss for mounting the governor, comprising: a helical gear adapted to be driven from an engine gear; a journal stud for rotatably mounting the helical gear from the mounting boss, the direction of rotation of the gear and the helix inclination being chosen so that the helical gear is thrust against the mounting boss; a cylindrical stem on the helical gear extending axially therefrom in the opposite direction from the journal stud; overlapping bell-crank levers pivoted within the stem and having weighted ends spaced radially from the stem axis and normally lying against the face of the helical gear, all other parts of the bell-crank levers being at all times enclosed within the cylindrical bounding surface of the stem; and a flanged cylindrical cup fitting on the stem with its flange engaged with the weighted ends of the levers whereby outward movement of the weights slidingly displaces the cup along the stem to provide the source of motion necessary for the control of the throttle valve.

2,382,953

INFANT'S FOLDING TOILET SEAT

William C. Baxter, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York

Application November 23, 1944, Serial No. 564,771
9 Claims. (Cl. 155—152)



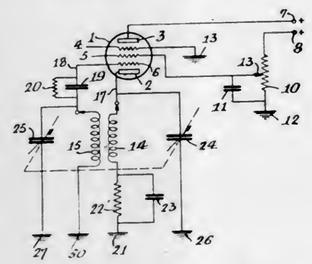
1. The combination with an infant's toilet seat having a recess in one side edge, of a spring member secured to the seat having a locking portion yieldable in said recess and carrying a locking projection thereon, a back, and a hinge member fixed to the back and pivotally attached to said side edge of the seat, the hinge member having an opening engageable with said locking projection when the back is in upright position.

2,382,954

OSCILLATOR

Serge Beaudoin, St. Joseph, Quebec, Canada

Application November 10, 1943, Serial No. 509,721
6 Claims. (Cl. 250—36)



1. In an oscillating circuit, a vacuum tube having a cathode, an anode and a grid, a pair of inductively coupled coils of equal inductance connected respectively to said cathode and grid at one end and grounded at the other end, and a pair of ganged condensers connected respectively to said coils.

2,382,955

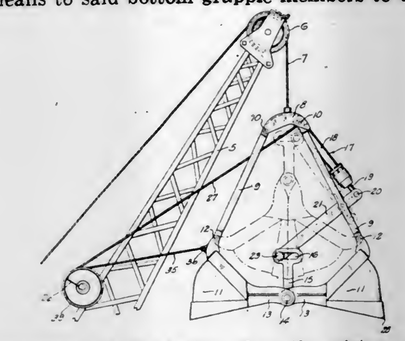
EXCAVATING BUCKET

Roy O. Billings, Milwaukee, Wis.

Application May 20, 1943, Serial No. 487,709
8 Claims. (Cl. 37—184)

5. In a clamshell bucket having a frame and having a pair of hingedly connected bottom grapple members pivotally suspended from said frame, an hydraulic ram having its cylinder pivotally connected to said frame portion, an extensible piston rod co-acting with said cylinder, lever means pivoted intermediate its length to said frame portion and having one end pivotally connected to the outer end of said piston rod, and

means for connecting the other end of said lever means to said bottom grapple members to cause



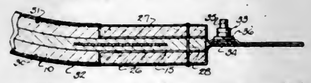
movement of the latter when the piston rod is extended.

2,382,956

PROCESS OF MANUFACTURE OF SAFETY GLASS

James H. Boicey and Irvin A. Willey, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application October 21, 1942, Serial No. 462,798
4 Claims. (Cl. 154—2.71)



1. A process of manufacturing safety glass, which comprises assembling two layers of glass and an interposed layer of plastic material to form a "sandwich" and in which the plastic interlayer projects beyond the glass layers to provide a plastic border, applying protecting strips of paperboard to opposite faces of the plastic border and removably securing them thereto, bonding the glass and plastic laminations only together to form a composite structure, and then removing the paperboard strips from the plastic border.

2,382,957

SAFETY RAZOR

Christlieb K. Brandt, Sr., Kirkwood, Mo.

Application May 18, 1944, Serial No. 536,073
4 Claims. (Cl. 30—72)



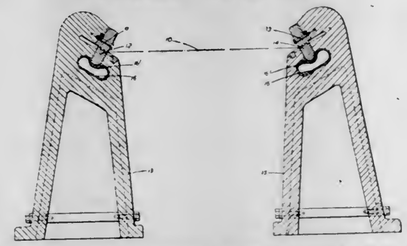
1. A safety-razor guard-plate having a central aperture and being provided on its under-face with a pair of symmetrically placed depending pins, and a leaf spring suspended from and extending between the pins and having an aperture in peripherally registering alignment with the central aperture of the plate.

2,382,958

FLUID-OPERATED WORK-HOLDING VISE

Sidney F. Burgoine and Herbert Edward Elsden, Cheltenham, England

Application March 14, 1944, Serial No. 526,448
In Great Britain February 1, 1943
14 Claims. (Cl. 24—243)



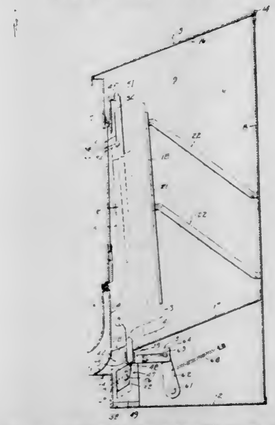
1. In a work-clamping member, embodying at least two clamping jaws, at least one of which is movable toward and away from the other for clamping work engaged between them; a hollow capsule having a recessed flexible face for engagement with a pressure member operatively associated with the movable jaw means, and a pressure fluid flow connection communicating with the interior of said capsule for flexure of said flexible face outwardly, to urge said movable jaw means toward the co-operating clamping jaw means.

2,382,959

NEWSPAPER VENDING MACHINE

Daniel D. Cameron, San Francisco, Calif.

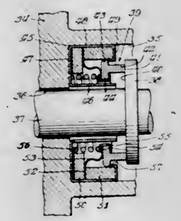
Application November 2, 1942, Serial No. 464,281
10 Claims. (Cl. 312—57)



5. In a newspaper vending machine, a casing having front and side walls and a downwardly and forwardly sloping bottom member adapted to support a plurality of folded newspapers in vertical position with the folded edge lowermost, means at the forward edge of said bottom member providing a stop for the foremost paper on said member, said casing having at the front of said stop means a newspaper delivery opening, a transversely extending member mounted for movement vertically and fore and aft in said casing and arranged for positioning adjacent the forward edge of said bottom member, means on said movable member adapted for engaging and holding thereto the bottom edge of the papers, spring pressed guide members and cooperating engaging means adjacent said side walls and on

said movable member respectively for controlling the movement of the latter in the directions aforesaid and to thereby convey the foremost paper on said bottom member over said stop and toward said opening and thence return for repeating operation, and means accessible from the exterior of the casing for actuating said movable member.

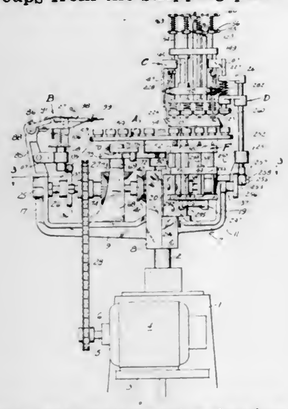
2,382,960
PUMP DIAPHRAGM SEAL
James A. Compton, South Euclid, and Albert Paul, Cleveland, Ohio, assignors to Pesco Products Co., a corporation of Ohio
Application June 26, 1943, Serial No. 492,380
2 Claims. (Cl. 286—11)



1. In a fluid sealing arrangement for a chamber defined in part by a housing and a shaft protruding therefrom, said housing having a stepped portion forming a small auxiliary chamber for receiving said sealing arrangement, said sealing arrangement comprising an abutment carried by said shaft, a first annular ring adapted to make a fluid-tight contact with said abutment, a flexible diaphragm, a toroidal container frictionally retained within said auxiliary chamber, means for fixing one terminal portion of said diaphragm relative to said container including a second annular ring within said container said container having a radially inturned flange portion extending around one axial terminal portion of said second annular ring and forming a retaining protuberance therefor, said first mentioned annular ring having a radially outwardly extending protuberance received snugly within said second named annular ring so as to center said first mentioned ring relative to said shaft, said radially inturned flange portion also functioning to limit the axial movement of said first named annular ring in the outer direction.

2,382,961
METHOD AND APPARATUS FOR PITTING FRUIT
Burton C. Coons, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 8, 1940, Serial No. 328,479
31 Claims. (Cl. 146—19)

1. In a fruit pitting machine, in combination, a rotatable turret, fruit supporting cups carried on said turret, stem gripping means for holding the fruit presented thereto in suspended position above said fruit supporting cups, a stripping plate positioned in alignment with said cups for engaging the stem end portion of the suspended fruit, actuating means for moving the stripping plate toward said supporting cups for stripping the fruit from the stem and for placing the fruit into said cups, means cooperating with said cups for pitting the fruit, means cooperating with said cups for reshaping the pitted fruit, and means for intermittently rotating the turret for advancing the cups from the stripping plate into alignment with said pitting and reshaping means and in timed relation with respect thereto.

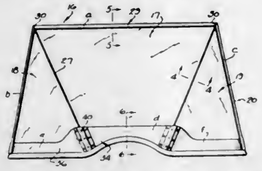


2,382,962
EYEGLASSES
Gerald Courtney, Hollywood, Calif.
Application January 17, 1944, Serial No. 518,599
3 Claims. (Cl. 88—41)



1. The combination with a nose piece comprising a flat sheet of material adapted to be fitted over the nose of a wearer and extending on each side to points in line with the wearer's temples and having diverging slots at the extremities of its upper and lower edges, and temples having cut out forward ends with their upper and lower extremities removably seated in the aforesaid slots and normally diverging from their free ends toward the nose piece.

2,382,963
WINDSHIELD OR WINDOW CONSTRUCTION
Henry M. Dodge, Perrysburg, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 10, 1942, Serial No. 426,333
2 Claims. (Cl. 189—64)



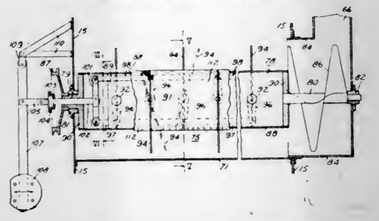
1. The method of producing an integral transparent closure unit, comprising assembling a plurality of transparent panels in edge to edge relation with a layer of plastic material between the adjacent edges of the panels, arranging a frame around the periphery of said assembled panels with a plastic material disposed between the periphery of the panels and said frame, and then applying pressure and heat to bond said panels and frame together into a composite structure.

2,382,964
TROUSER HANGER
Stanley Anthony, Boston, Mass.
Application June 10, 1944, Serial No. 539,609
4 Claims. (Cl. 223—96)



1. A hanger for trousers comprising a back plate, a pair of front plates, each being less than half as long as the back plate, the outer ends of the front plates being connected with the outer ends of the back plate with the upper edges of the front plates spaced from the upper edge of the back plate and the lower edges of the front plates closely adjacent to the lower edge of the back plate so as to define elongate pockets of wedge-shaped cross section, the inner ends of the front plates being spaced apart to provide a gap through which the lower leg portions of the trousers may be inserted into the wedge-shaped pockets, and means secured to the back plate for supporting the trouser hanger.

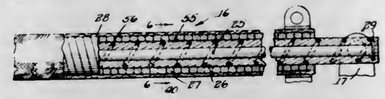
2,382,965
HARVESTER-THRESHER AND THE LIKE
Oswald A. Appel, Spokane, Wash., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 9, 1943, Serial No. 490,148
16 Claims. (Cl. 130—21)



1. In a threshing or like apparatus including devices for separating and cleaning threshed grain or the like, a feeding and distributing device disposed in position to receive separated grain and having its discharge edge extending transversely across substantially the full width of said cleaning device adjacent the inlet edge thereof, said feeding and distributing device comprising adjustable conveying means operative to move the separated grain transversely of said feeding device from one side toward the other side thereof when said feeding device is tilted from normal generally horizontal position, and means for varying the direction of conveying by said conveying means of the separated grain to facilitate the distribution of separated grain from said feeding device to said cleaning device uniformly across substantially the full width of said cleaning device irrespective of the direction of transverse tilt of said feeding device.

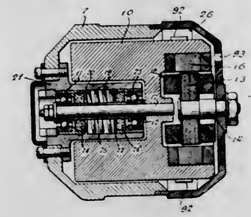
2,382,966
TRANSMISSION CABLE
Charles A. Arens, Chicago, Ill., assignor to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application May 3, 1941, Serial No. 391,632
8 Claims. (Cl. 74—501)

1. A transmission cable for transmitting tensile and compressive mechanical power comprising a tension resisting central metal core, a compression resisting non-metallic sleeve of substantially non-compressible material embracing and integrally united with the core and movable as a unit therewith, and a sheath embracing the sleeve



and within which the sleeve and core are movable as a unit, said sleeve and core being adapted to transmit tensile and compressive forces within the range of intended use without appreciable variation in length.

2,382,967
GYRO ROTOR AND MOUNTING STRUCTURE
Lennox F. Beach, Merrick, Orland E. Esval, Huntington, and Arthur W. Lane, Freeport, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application February 20, 1942, Serial No. 431,704. Divided and this application September 22, 1942, Serial No. 459,338
6 Claims. (Cl. 172—36)

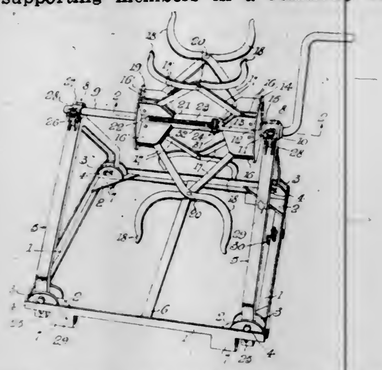


1. An electrically driven gyro rotor and mounting structure comprising a gyro rotor having axially bored end portions providing respective openings therein one of which is longer than the other, a shaft forming a part of the gyro rotor coaxially situated within the longer opening therein, a motor having a rotor located within the shorter opening in the gyro rotor, a gyro rotor mounting frame, a bearing including member fixed to the mounting and extending within the longer opening in the gyro rotor for engaging the rotor shaft, and a wound stator for the motor fixed to the mounting, being arranged thereon in opposite relation to the bearing including member, and situated within the shorter opening in the gyro rotor in spaced relation to the motor rotor.

2,382,968
ADJUSTABLE REEL AND COLLAPSIBLE SUPPORT THEREFOR
Reuben R. Berman, Washington, D. C.
Application December 6, 1944, Serial No. 566,932
5 Claims. (Cl. 242—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

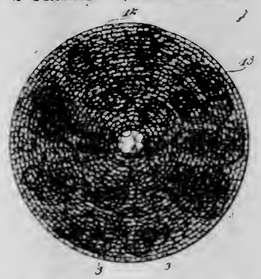
1. In combination, an adjustable reel comprising two telescoping sleeves, a plate secured to each sleeve, pairs of arms pivotally connected and one of each pivotally secured to each of said plates, a toothed rack secured to one of said sleeves, and a hinged bolt clamp secured to said other sleeve and adapted to selectively engage said toothed rack; a crank inserted through said telescoping sleeves and adapted to rotate at least one of said sleeves; and, a collapsible support comprising a rigid base, supporting members piv-

otally connected to said base, means disposing said supporting members in a relatively rigid



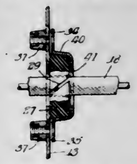
vertical position, and means clamping said supporting members to said crank.

2,382,969
FLOOR POLISHING DEVICE
William A. Boettcher, Chicago, Ill.
Application June 29, 1943, Serial No. 492,733
2 Claims. (Cl. 15—230)



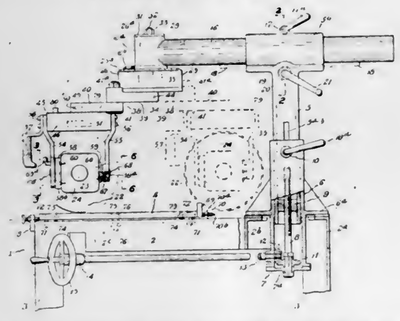
1. A floor polishing disc for use on the rotary plate of a floor polishing machine, said disc comprising a tightly wound spiral roll of relatively stiff corrugated material forming a cellular structure, the walls of the material defining said cells being in a substantially vertical plane, and the lower edges of said walls having a thin layer of steel wool secured thereto.

2,382,970
SUPPORT
Robert T. Borcherdt, Wilmette, Ill.
Application July 29, 1942, Serial No. 452,725
4 Claims. (Cl. 248—56)



3. A support structure for cables, pipes, and the like adapted to be extended through an apertured anchorage member, said support structure comprising a casing having radially inwardly and outwardly extending portions connected by a tapered portion forming a casing recess, a disc-shaped packing of flexible material adapted to fit within the recess of the casing, the periphery of the packing and said tapered casing portion being cooperatively shaped whereby as the packing is received within said recess it is radially compressed, said casing and packing being provided with aligned openings for receiving a cable, pipe, or the like to be supported, means for securing the casing to said apertured anchorage member, the packing being forced into the casing recess as the casing is mounted upon said anchorage member, and said packing being provided with a slit extending radially through the packing from said opening to the periphery thereof, the slit being forced into closed relation as the packing is forced into the casing recess.

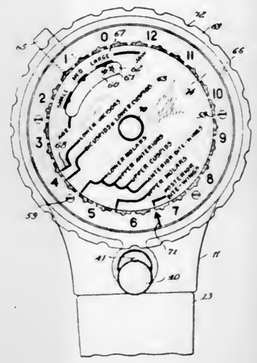
2,382,971
WOODWORKING MACHINE TOOL
John L. Brocco and Michael V. Iarussi, Bedford, Ohio
Application September 2, 1941, Serial No. 409,244
3 Claims. (Cl. 143—6)



1. In a machine tool, the combination of a base structure; a work support on the base; an elevated tool support carried by the base and overlying the work support; a movable tool carrier; a rotary power-driven tool on the carrier; and a linkage constituting operative connections between the tool support and the carrier for sustaining the carrier at a level below that of the support and guiding it in straight line back-and-forth movements between positions respectively to the front of the support and to the rear thereof, the linkage having a plurality of interconnected links horizontally disposed below the level of the support and above the level of the carrier for pivotal movement on upright axes, the support, connecting links and carrier being disposed in mutual vertically offset relation and the linkage being constructed to collapse when the carrier is moved rearward or forward toward the support and to expand when the carrier is moved rearward or forward away from the support, whereby movement of the carrier to the rear of the support leaves the space in front of it unobstructed.

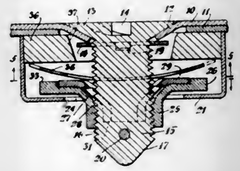
2,382,972
TIME-CONTROLLED ELECTRIC SWITCH
Lennart H. Brune, Rochester, and Edward J. Ries, Brighton, N. Y., assignors to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application February 3, 1944, Serial No. 520,866
8 Claims. (Cl. 161—1)

8. A time-controlled switch mechanism for dental X-ray apparatus comprising a casing for said mechanism, a rotary part on said mechanism adapted to be variably set to position for controlling the operation of said switch to govern the period of exposure of the film, a scale on said casing indicating the ages of subjects to be photographed, a member provided with a scale indicating subject sizes and with a scale indicating dental parts to be photographed, said member being mounted for movement on said casing to set a selected size of the scale thereof in registry with a selected age of said casing scale, and a dial overlying said casing and member and con-



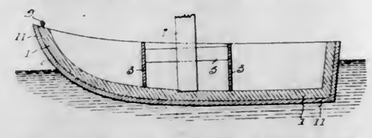
structed of transparent material through which the scales of said casing and member are visible, said dial being provided with indicating means and being fixed to and rotatable with said part for selectively setting the indicating means of said dial in registry with a selected dental part of the scale of said member and for concurrently setting said part to effect an exposure period predetermined by the settings of said member and dial.

2,382,973
FASTENER ASSEMBLY
George Cannova, Flushing, N. Y., assignor to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application January 19, 1944, Serial No. 518,794
16 Claims. (Cl. 24—221)



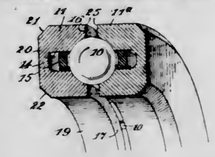
1. In a fastener assembly, a headed stud including a shank formed with interrupted threads, said shank being adapted to extend through the aperture of a mounting member, retaining means mounted by said shank and to bear against the face of said mounting member to prevent removal of said stud therefrom, said means comprising a plate larger than said aperture, an opening in said plate to receive said shank, a resilient, deformable tongue forming a part of said retaining means and extending adjacent said shank into said opening, a projection extending from the shank and engageable by said tongue; said tongue being displaceable to permit said retaining means to clear said projections when mounting said retaining means upon said shank.

2,382,974
METHOD FOR PRODUCING STREAMLINED MODELS
William H. Caraway, Sugar Land, Tex.
Application January 8, 1943, Serial No. 471,740
1 Claim. (Cl. 73—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A method for producing streamlined forms comprising the steps of shaping a base of rigid material to approximate form, coating the base with a water soluble resin, floating the coated base in a water medium, and effecting a flow of the water medium past said coated base under controlled conditions of displacement and relative velocities between said base and said medium, whereby areas of the coating offering high resistance are removed at a greater rate than areas offering low resistance.

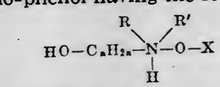
2,382,975
BALL BEARING
Howard O. Coddington, Spartanburg, S. C., assignor to Andrews Company, Spartanburg, S. C., a copartnership composed of Isaac Andrews, Howard O. Coddington, Mary E. Andrews, Sarah Andrews, Martha W. Andrews, and A. J. R. Helmus
Application October 26, 1943, Serial No. 507,679
2 Claims. (Cl. 308—235)



1. In a ball bearing, a pair of identical mirror reverse race members, and antifriction balls therebetween, each member being disposed laterally of the plane of rotation of the balls, and each having a pair of races, the curvature of the races and the extent of curvature being the same, and the curvature of the races being substantially that of the balls, the members being spaced from each other when the balls contact with the races, said members each having a circumferential cutout between the races forming each pair, for the passage of the cage for the balls.

2,382,976
N - HYDROCARBON - SUBSTITUTED ALKANOLAMINE SALTS OF HALO-PHENOLS
Gerald H. Coleman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 27, 1941, Serial No. 395,442
7 Claims. (Cl. 260—563)

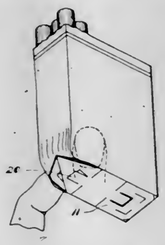
1. An N-hydrocarbon-substituted alkanolamine salt of a halo-phenol having the formula



wherein R represents a member of the group consisting of alkyl, cycloalkyl, and aralkyl radi-

cals, R' represents a member of the group consisting of hydrogen and alkyl, cycloalkyl, aralkyl, and HO—C_nH_{2n} radicals, n is an integer from 2 to 6, inclusive, and —O—X represents an aromatic-oxy radical of the benzene series characterized by having the oxygen directly attached to the benzene nucleus and by at least one halogen group substituted in the oxygenated-benzene nucleus.

2,382,977
CIGARETTE EJECTING DEVICE
Nicholas P. Courtney, New York, N. Y.
Application September 3, 1942, Serial No. 457,142
19 Claims. (Cl. 206—41.2)



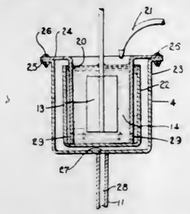
1. A package comprising a plurality of cigarettes or like articles, a covering of pliant material substantially enclosing said articles, and a substantially flat element within the covering and in addition to the covering material, the said element being of relatively rigid material and underlying the common ends of a plurality of the articles and extending substantially across at least one dimension of the package, the said element comprising hingedly-connected sections with the axis of the hinge extending transversely of said dimension, a portion of the said element being adapted, in response to pressure exerted transversely of said axis on outer edges of said sections, to pivot from the general plane of said element, and the latter, in consequence of such pivotal movement, being adapted to coact with the package covering and one or more of the articles to urge the latter toward and partly through an opening in said covering registering with the urged articles.

2,382,978
CAPSULE
John J. Curry, Philadelphia, Pa.
Application March 17, 1943, Serial No. 479,449
1 Claim. (Cl. 206—47)



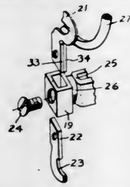
A capsule consisting of a main tubular section and a subsidiary tubular section, each section being provided with an end wall and an open end, the periphery of the main section being provided with an aperture, the subsidiary section being provided with a side arm communicating with the subsidiary section, the open end of the subsidiary section being telescopically received over the open end of the main section, the two sections being adapted to be moved in respect to each other so as to bring the aperture in the main section into and out of registration with the side arm of the subsidiary section.

2,382,979
VISCOMETER
Kenneth Demb, Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 24, 1944, Serial No. 541,926
4 Claims. (Cl. 73—59)



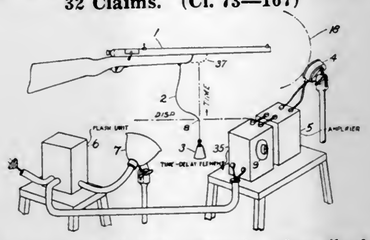
2. In a viscometer of the type in which a rotating sample develops a recordable torque upon a vane immersed therein, a container comprising a first cup in which the sample is received, a second cup surrounding and in communication with the bottom portion of said first cup, the rim of said second cup being positioned to maintain a predetermined average liquid level a short distance below the rim of said first cup, an overflow cup embracing and supporting said first and second cups and a rotatable shaft upon which said cups are mounted having a longitudinal opening extending therethrough and in communication with said overflow cup.

2,382,980
OPHTHALMIC MOUNTING
William C. Eaton and Wilbur Leduc, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 17, 1941, Serial No. 383,750
6 Claims. (Cl. 88—41)



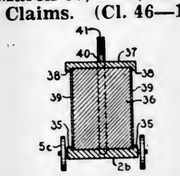
1. A lens supporting structure for the lenses of an ophthalmic mounting comprising a pair of lens holding members each having a stud box carried thereby, bridge means for supporting said lens holding members in spaced relation with each other, nose pad supporting means extending rearwardly of said lens holding means and long and slender temple supports shaped substantially to follow the upper contour shape of the lenses and having a portion extending downwardly and following substantially the shape of the lenses on the nasal sides thereof to a point adjacent the stud boxes when assembled with said lenses and thence turning outwardly adjacent said point in a direction away from the adjacent contour edge of the lens and thence turning forwardly and downwardly to an attachment portion shaped to fit within the stud box, said bridge means having side portions turning forwardly and downwardly to an attachment portion shaped to fit within the stud box with said attachment portions being similar in shape to and following the adjacent attachment portions of the long and slender temple supports and means for detachably securing said attachment portions in said stud box, said forwardly and downwardly extending portions of the temple supports being located adjacent to and following substantially the shape of the forwardly and downwardly extending portions of the bridge between said bridge and the lens holding means.

2,382,981
METHOD OF AND APPARATUS FOR TESTING
Harold E. Edgerton, Belmont, Mass.
Application September 9, 1941, Serial No. 410,175
32 Claims. (Cl. 73—167)



1. Apparatus of the character described having, in combination, a flexible member a portion of which is supported by a yieldable support, means for tensioning the member, means for applying a force to the support to transmit a force through the support to the said portion of the member in a direction at an angle to the direction of extension of the member, thereby to introduce a traveling wave in the member, and means for determining the position of the traveling wave at a predetermined time after the application of the force and prior to the moment when the traveling wave becomes reflected.

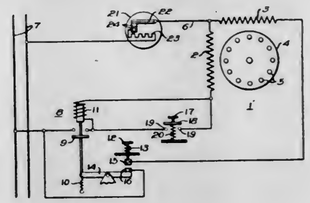
2,382,982
TOY
Lyle E. Elliott, Battle Creek, Mich.
Application March 30, 1943, Serial No. 481,070
4 Claims. (Cl. 46—16)



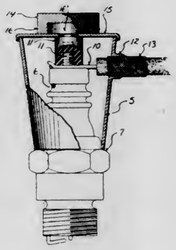
1. A toy, which comprises a body member with upturned flange side edges, a top member with down-turned flange side edges, a block between said body member and said top member, removable means at each side of said block, said removable means being a plurality of like dimensioned members, the combined thickness of which together with that of the block substantially equals the distance between the flanges, and said movable means being substantially the same height as said block and held in place by said flanges.

2,382,983
SINGLE-PHASE MOTOR CONTROL
Harold E. Ellis, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,627
9 Claims. (Cl. 172—279)

1. In combination, a single-phase electric motor having a main primary winding and an auxiliary primary winding, said windings being adapted to be connected to an electric supply line to be energized thereby, contact means for effecting connection of said main winding to the supply line, means for actuating said contact means to closed position to effect said connection of the main winding, holding means effective when energized to maintain said contact means in closed position, said holding means being energized in response to actuation of the contact means to closed position, said actuating means also effecting connection of said auxiliary winding to the supply line substantially simultaneously with the actuation of said contact means, said actuating means being adapted to maintain the connection of the auxiliary winding only while the motor is being started, and means for effecting deenergization of the holding means.

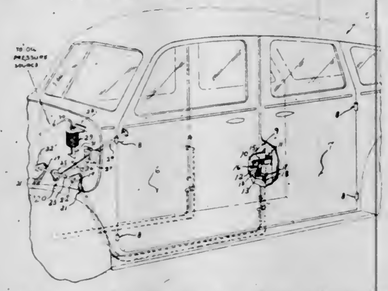


2,382,984
SPARK PLUG SHIELD
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 19, 1943, Serial No. 491,511
14 Claims. (Cl. 123—169)



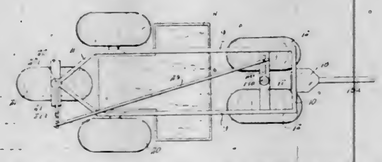
1. A spark plug radio interference shield comprising: a metal housing of a size to fit over a spark plug, the lower end of said housing being open and adapted to contact the metal base of the plug or the cylinder wall into which the plug is screwed all around so that the housing is electrically grounded; a shielded lead entering the interior of the housing with its shielding covering grounded to the housing and the end of the lead in position to engage the terminal of the spark plug; means secured to the spark plug terminal for holding the housing with its lower edge in grounded position and for holding the lead in electrical contact with the spark plug terminal including an electrical insulator; and a metal cap surrounding said electrical insulator and contacting the housing all around the said electrical insulator.

2,382,985
DOOR LOCKING SYSTEM
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 19, 1943, Serial No. 491,515
8 Claims. (Cl. 180—82)



6. A device for locking a door of an engine driven vehicle comprising: a door latch for locking the door; manually operable means for operating the latch from inside the vehicle; means for releasably retaining the latch in its operative door locking position; means for retracting the latch upon release of the latch from said retaining means; spring means operable for releasing said retaining means; and means responsive to a function of the engine while in operation for loading said spring means and retaining it in its loaded position potentially operative to effect release of the latch.

2,382,986
ROAD ROLLER
Joseph Howard Ganley, St. Paul, Minn.
Application September 8, 1941, Serial No. 409,970
3 Claims. (Cl. 94—50)



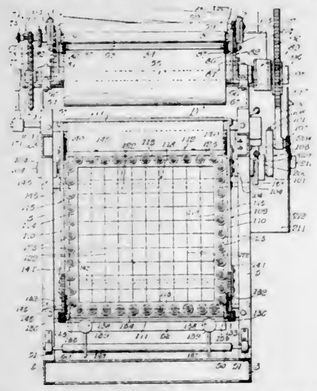
1. A rolling machine for compacting and smoothing layers of road surfacing material having in combination a weight carrying frame, precisely two substantially co-axial, tire-equipped compacting wheels spaced apart a distance slightly less than the width of said tires for supporting the front of said frame, precisely two substantially co-axial, tire-equipped compacting wheels spaced apart a distance slightly less than three times the width of one of said tires for supporting the rearward portion of said frame, said second pair of wheels being disposed outwardly and laterally of said first mentioned pair in staggered relation thereto for successive compacting operation on a road surface and a fifth tire-equipped compacting wheel mounted rearwardly of said last mentioned pair of wheels and disposed substantially in alignment with the space between said first mentioned pair of wheels and connected with said frame for also serving to support the rear portion thereof, the tires of said five wheels being of similar width and compressibility whereby the successive areas of road surface compacted by downwardly directed forces will at least abut to cumulatively compact a substantially continuous road surface, said five wheels only supporting the frame and weight carried thereby.

2,382,987
PACKAGING
Charles E. Gardner, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Original application July 27, 1939, Serial No. 286,800. Divided and this application April 8, 1942, Serial No. 438,073
6 Claims. (Cl. 93—3)



1. The method of fluid-tight packaging which comprises providing a collapsed envelop fluid-tight on at least the inner surface thereof and having only two layers of flexible sheet material in face to face position including the seams, erecting said envelop on a mandrel, combining said erected envelop with a carton, filling said envelop with contents, bringing the mouth portions of said filled envelop into flattened face to face position, and then sealing said flattened mouth portions thereby to obtain a package completely free from reentrant folds and layers of increased thickness in the sealed regions.

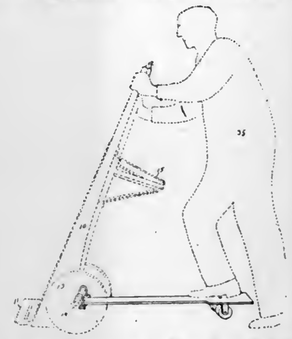
2,382,988
PHOTOGRAPHIC PRINTING MACHINE
George C. Garraway, Rutherford, N. J.
Application March 3, 1943, Serial No. 477,810
6 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a photographic printing machine adapted to produce automatically a plurality of photographic prints of a negative on a strip of sensitized material, the combination of a shutter, a frame having a grid thereon mounted in front of said strip of sensitized material, a photographic projector adapted to project an enlarged image of the negative onto a portion of said strip of sensitized material through the shutter and grid for producing a print of the negative and grid on the sensitized material, means adapted to operate automatically said shutter at predetermined time intervals for exposing the strip of sensitized material and grid to the negative image for producing a plurality of prints of the negative on other portions of the strip of sensitized material,

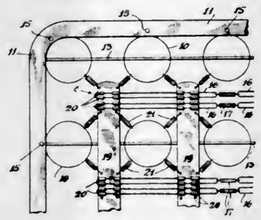
indicia and lighting means mounted on said frame, said indicia designating the lines of the grid, means for automatically actuating said frame including said grid and indicia at predetermined time intervals into engagement with the strip of sensitized material during an exposure and out of engagement with the strip of sensitized material after each exposure, said lighting means adapted to be operated at predetermined time intervals for printing the indicia on the negative prints during the engagements of said frame with the strip of sensitized material, a shearing device, and means including a feed roller adapted to feed the strip of sensitized material a predetermined distance after each printing of the negative, grid and indicia on the strip of sensitized material.

2,382,989
ATTACHMENT FOR HAND TRUCKS
Philo G. Gilbert, Portland, Oreg.
Application July 3, 1944, Serial No. 543,268
4 Claims. (Cl. 280—87.04)



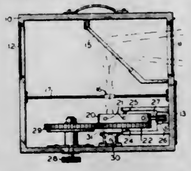
1. The combination of a hand truck with a running board pivotly attached to the hand truck and having steerable wheels supporting the rearward end of said running board, together with means for steering said wheels oppositely to the wheels of the truck.

2,382,990
SPRING STRUCTURE
Nathan C. Goldberg, New York, N. Y.
Application February 14, 1942, Serial No. 430,913
5 Claims. (Cl. 5—267)



1. A spring structure of the character described comprising in combination, a system of upright coil springs arranged in longitudinal parallel rows, relatively rigid upper and lower frame pieces surrounding said system of coil springs, the lower of said frame pieces having means for supporting the coil springs, and the tops of the coil springs adjacent to the upper frame piece being anchored thereto, a plurality of sets of longitudinal cables extending between said rows of coil springs in parallel relation thereto, each of said cable sets comprising separate parallel cables and each set being subdivided into a plurality of sections in spaced alinement, with tension springs interconnecting the spaced adjacent ends of such sections, a plurality of connecting devices each comprising a metal element formed with a plurality of parallel passages accommodating therein the separate cables of a set of said cables, and tension means for yieldably connecting each of said connecting devices respectively to the tops of all of the adjacent coil springs, the outermost of the connecting devices nearest the opposite ends of the upper frame piece having the outermost ends of the cable sets secured thereto, thereby allowing relatively yieldable up or down movement of said outermost cable set ends and connecting devices.

2,382,991
RANGE FINDER
Edmund B. Hammond, Brooklyn, and David J. Campbell, Richmond Hill, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 17, 1942, Serial No. 458,716
5 Claims. (Cl. 88—2.3)



1. A range finder having an optical system including means through which a distant object of one known dimension is viewed, a movable plate having a number of individual reticles respectively corresponding to particular object dimensions each of which is formed of a plurality of range indicating circles, mechanism for setting said plate to position a desired reticle in the optical system of the range finder, and optical means for superimposing an enlarged image of the desired reticle on the viewed object.

2,382,992
SOIL SAMPLING APPARATUS
Jesse Stewart Harris, Memphis, Tenn.
Application February 10, 1944, Serial No. 521,890
1 Claim. (Cl. 255—1.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a soil sampling apparatus, a sampling tube, a conduit extending lengthwise thereof and

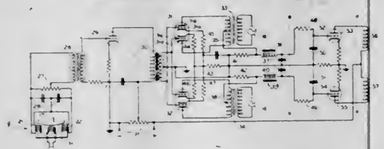
adapted for longitudinal movement therein; an annular cutting member provided with an inclined cutting surface; said cutting member being secured to the lower end of said sampling tube; a drill point secured to the lower end of said conduit and being formed to engage said annular cutting member and seal the lower end of the sampling tube; said drill point being provided with a vertical fluid outlet and radially arranged, upwardly directed fluid outlets connected with said vertical fluid outlet; said vertical outlet being adapted to direct a fluid medium into the soil in advance of said apparatus; said radial outlets being adapted to direct the fluid medium into the soil adjacent the cutting surface of said annular cutting member; and interengaging means on said conduit and sampling tube for securing the conduit to the sampling tube either with the drill point positioned to seal the lower end of said sampling tube or in a position spaced above said lower end whereby to permit a sample of soil to enter the lower end of said soil sampling tube.

2,382,993

ERECTION DEVICE FOR GYRO VERTICALS

Robert Haskins, Jr., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application February 14, 1944, Serial No. 522,362
9 Claims. (Cl. 74—5)



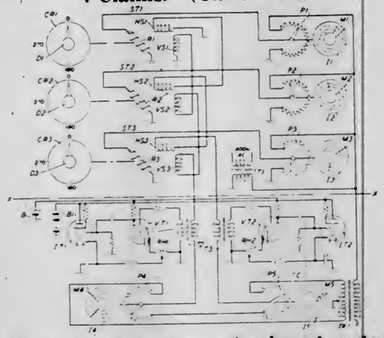
1. In a gyro-precessing system, a gyroscope, means for providing a signal upon relative movement between the spin axis of said gyroscope and a reference axis, means for integrating said signal whereby to provide a signal dependent upon the average displacement between said spin and reference axes, and means responsive to the latter signal for precessing said gyroscope.

2,382,994

ELECTRIC MANEUVERING BOARD

William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 11, 1943, Serial No. 513,972
7 Claims. (Cl. 235—61)



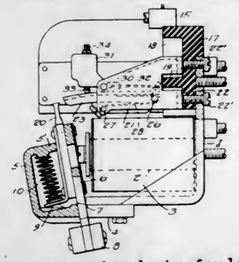
1. In an electric maneuvering board, a plurality of synchro-transmitters, each having a single winding rotor and a stator with two windings positioned in quadrature, a source of alternating current, manually operable means for applying potential from said source to said rotor windings proportional to the magnitudes of vectors, manually operable means for rotatably displacing said rotor windings in accordance with the directions of said vectors, circuits for interconnecting the corresponding positioned windings of said transmitters whereby the potentials impressed thereupon from said transmitters are proportional to the sums of the x and y coordinates of said vectors, a responsive device associated with each of said circuits, and manually operable means for applying potentials from said source to said circuits until said responsive devices indicate conditions of minimum current flow in said circuits whereby the positions assumed by said latter manually operable means are indicative of the defining values of a resultant vector.

2,382,995

SHOCK-RESPONSIVE LATCHING DEVICE

Ralph B. Immel, Wilkinsburg, Pa., and Frank Slamar, Annapolis, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1943, Serial No. 511,564
3 Claims. (Cl. 74—527)



1. A shock-responsive device for latching a contactor, comprising in combination a support; a latch lever having one end pivoted to said support for limited angular motion and being normally biased toward inoperative position, a mechanieal oscillatory device having an unbalance weight pivoted to said support to perform oscillatory pivotal motion under shock, an adjusting screw passing through said weight so as to be engageable at one end with said lever and accessible at the side of said weight away from said lever for adjusting the lever-engaging end relative to said weight, a cam member disposed on said weight at a place radially opposite to said screw with respect to the pivot axis of said weight and arranged for engaging said lever so that said screw and said cam member move said lever alternately into latching position during the occurrence of shock.

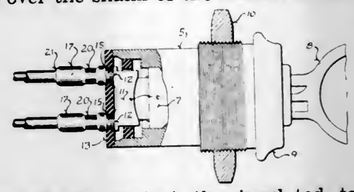
2,382,996

COMBINATION CONTACT AND TERMINAL FOR ELECTRIC SWITCHES

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 19, 1944, Serial No. 545,627
5 Claims. (Cl. 200—166)

1. A combination contact and wire terminal for electric switches comprising: an insulated terminal head having a hole therethrough; a headed contact member having an elongated tubular shank received in the hole and projecting beyond the terminal head to provide a wire terminal, the head on the contact member holding said contact member against being pulled through the terminal head; a wire lead having its end portion received in the tubular shank; a sleeve fitted over the shank of the contact member and



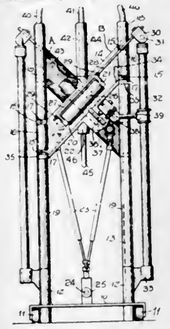
bearing firmly against the insulated terminal head; and said sleeve and tubular shank being transversely clinched to the extent that the wire within the shank of the contact is deformed and secured to the contact member.

2,382,997

BIAS CUTTING MACHINERY

Julius Katz, New York, and Frank P. Majoros, Brooklyn N. Y., assignors to Superba Manufacturing Co., Inc., New York, N. Y., a corporation of New York

Application June 26, 1943, Serial No. 492,438
18 Claims. (Cl. 164—61)



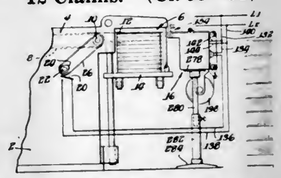
1. A machine for cutting bias strips, comprising spaced supporting sections which are substantially the whole supporting means for the tubular fabric to be cut and which are provided with partially rotary tubular supports over which the tubular fabric is moved in a spiral direction, a cutter, and feeding means disposed transversely of and intermediate said supporting sections to grip the fabric and advance it spirally over the supporting sections and into the path of the cutter.

2,382,998

SHEET PILE MARKER

Bernard L. Kleinschmidt, Highland Park, Ill.

Application August 2, 1941, Serial No. 405,150
12 Claims. (Cl. 93—93)



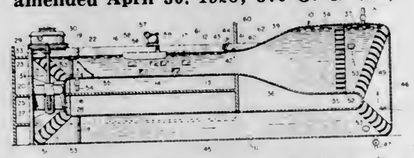
1. A sheet pile marker comprising means for feeding a web of marking material to the pile, continuously operated means for actuating said web feeding means, releasable means for normally holding said web feeding means against actuation by said actuator means a counter, means operated synchronously with the feeding of the sheets to the pile for operating said counter and controlled by said counter for releasing said holding means after a predetermined number of sheets have been fed to the pile, means for cutting a marker from the web of marking material, and means for actuating said cutting means after a number of sheets have been fed to the pile above the last placed marker.

2,382,999

CIRCULATING WATER CHANNEL

Charles A. Lee, United States Navy, Laramie, Wyo.

Application October 6, 1943, Serial No. 505,149
11 Claims. (Cl. 73—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



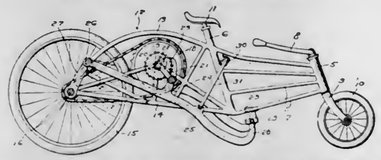
1. In testing apparatus of the character described, a duct forming a loop in a vertical plane and including a substantially horizontal open water channel section in the upper portion of the loop and a vertically disposed tubular section extending downwardly from the channel section, said loop being adapted to contain water below a given level in the channel section, a propeller shaft extending downwardly through the open water channel section into the tubular section and thus intersecting said water level so as to not require a shaft packing at the zone of entrance of the shaft into the water, a propeller fixed on the shaft within the tubular section, and means disposed above said water level for driving the shaft.

2,383,000

BICYCLE

John A. McLean, Edmonton, Alberta, Canada

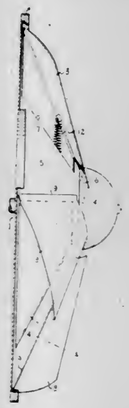
Application September 29, 1943, Serial No. 504,316
2 Claims. (Cl. 280—258)



1. In a bicycle, steering and seat posts, bars rigidly connecting said posts, a horizontally elongated and bifurcated rigid frame structure rigid with and extending rearwardly from said seat post, a rear supporting wheel mounted on an axle between the rear ends of the furcations of the bifurcated frame structure, a pair of sprocket wheels mounted on a shaft journaled in the bifurcated frame structure behind the upper portion of the seat post and in front of and above the axle of the rear supporting wheel, driving connections between said sprocket wheels and said rear supporting wheel, arms at the rear of the frame structure, extending upwardly from the rear wheel axle, beams pivoted at their rear ends to the upper ends of said arms, and extending forwardly and downwardly to a point in front of the lower end of the seat post, said beams having upstanding lugs intermediate their ends

and pedals on their forward ends, links pivoted on the shaft of the sprocket wheels and extending forwardly and downwardly and pivoted to the beam lugs, ratchet wheels on the shaft of the sprocket wheels, and upstanding pawls pivoted to the beam lugs and engaging said ratchet wheels.

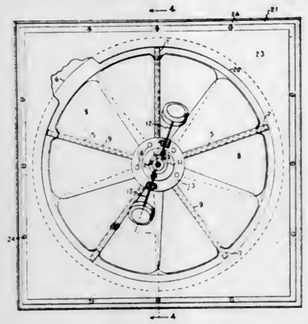
2,383,001
COMBINED IMPELLER AND CLOSURE
Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.
Application May 3, 1943, Serial No. 485,532
4 Claims. (Cl. 230—114)



1. The combination with an impeller comprising an approximately conical rotary carrier having radially elongated portions and a plurality of openings for fluid flow between such portions and having an annulus rigidly joining the outer ends of said elongated portions, said openings being in part defined by said annulus, a plurality of blades forming closures for said openings and lapping said annulus when the impeller is idle, means pivotally mounting the blades on the carrier to turn about axes extending outwardly from the mid portion of the impeller and inclined to conform to the conical form of the carrier, whereby centrifugal force tends to swing the blades about said axes upon impeller rotation to establish a fluid impelling position of the blades, and means yieldably urging the blades to their closure-forming position, of means fixed with respect to rotation of the impeller and correlated with said annulus to provide a seal against fluid flow across the periphery of the impeller.

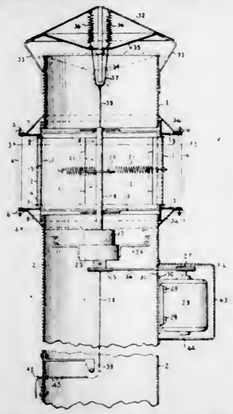
2,383,002
IMPELLER AND GOVERNOR FOR SAME
Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.
Application May 3, 1943, Serial No. 485,533
5 Claims. (Cl. 230—120)

1. The combination with an impeller comprising a rotary carrier having a fluid passage, a plurality of blades, and means pivoting said blades on the carrier to alternatively close said passage or impel air through the passage, of means yieldably urging the blades to their closure position, and a centrifugal speed responsive device for establishing the impelling position of the blades, including a member actuable to and from the impeller, and a plurality of pins rigidly mounted on said member and engaged in openings of the



blades to subject the blades to the speed responsive device.

2,383,003
FORCED VENTILATION APPARATUS
Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.
Application May 27, 1943, Serial No. 488,773
12 Claims. (Cl. 230—114)

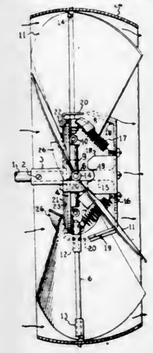


1. A blower comprising a shaft, a pair of rings coaxial with and spaced lengthwise of said shaft, means for mounting the rings coaxially on the shaft, members interconnecting the rings and forming a plurality of openings between the rings, closures for said openings pivoted on said interconnecting members and adapted to swing outwardly about their pivots to act as air impellers, the mass of said closures occupying a relation to their pivot axes affording a centrifugal outward actuation of the closures, means yieldably resisting outward actuation of the closures, and means for predeterminedly limiting outward actuation of the closures.

2,383,004
COMBINED IMPELLER AND CLOSURE
Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.
Application June 16, 1943, Serial No. 491,264
9 Claims. (Cl. 230—114)

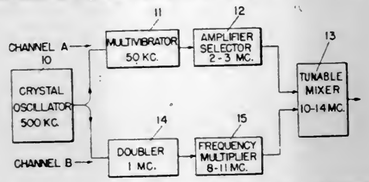
4. An impeller comprising a hub, a plurality of blades, supports for said blades outwardly extending from the hub, means pivoting said supports on the hub to swing toward and from the

plane of impeller rotation, means pivoting the blades respectively on the respective supports for movement between a position of effective impelling pitch and an idle position of substantially no pitch, means yieldably urging said supports from the plane of impeller rotation, said urging means including coiled springs and an anchorage member for such springs spaced from the hub, the impeller further comprising stops carried by said



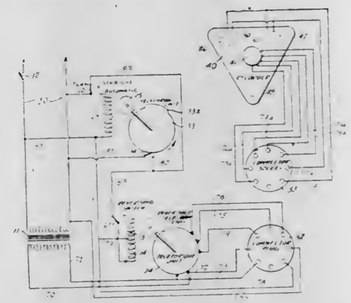
anchorage member limiting response of said supports to the urging means and establishing for the blades said position of substantially no pitch, the supports and blades being movable, upon driving the impeller, toward the plane of impeller rotation responsive to centrifugal force, and means for pivotally actuating the blades on the supports responsive to movement toward said plane to establish an effective pitch of the blades.

2,383,005
FREQUENCY CONTROL SYSTEM
William S. Marks, Jr., Long Branch, N. J.
Application November 6, 1942, Serial No. 464,755
4 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



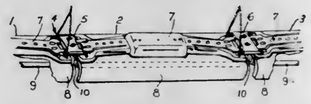
1. An alternating current system comprising a pair of channels fed in parallel from a source of alternating current, means in one of said channels and under the control of said source for generating waves having a fundamental frequency which is a submultiple of the frequency of said source and rich in harmonics of said submultiple frequency, means connected solely to the output of said last named means to filter any one of a series of contiguous submultiple harmonics within a first frequency band which is higher than the frequency of said source, means in the other of said channels and controlled by said source for generating a wave having a frequency which is a multiple of the frequency of said source and which is higher than any of the harmonics in said first band and displaced therefrom by an interval which is equal to at least several times the frequency of said source, and a mixer energized by a selected harmonic in the first channel and the multiple frequency output of said second channel.

2,383,006
TESTING APPARATUS FOR LINK TRAINER RECORDERS
Leland S. Marshall, Dayton, Ohio
Application September 3, 1943, Serial No. 501,127
4 Claims. (Cl. 73—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O G. 757)



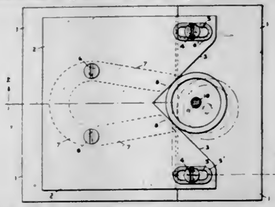
1. Testing apparatus for testing aviation ground trainer recorders, the recorders each comprising a frame, motor-operated drive wheels supporting the frame for very slow travel over a surface, recording means, and steering means for controlling the azimuth heading of the recorder, said steering means having an electrical motion-reproducing receiver operatively connected thereto to actuate the same, in combination, an electrical motion-transmitting member electrically connected to said receiver, a source of electricity, leads connecting the motion-transmitting member with the source of electricity, other leads connecting the motors of the drive wheels with the source of electricity, an automatically operated switch coupled to the source of electricity for putting the motion-transmitting member in and out of the circuit at predetermined times, electric motor means for driving the motion-transmitting member in opposite directions when in the circuit, and a reversing switch coupled to the electric motor means for controlling the direction of movement of the motion-transmitting member, hence the direction of travel of the recorder.

2,383,007
LIGHTING FIXTURE
René G. Maurette, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 19, 1943, Serial No. 491,740
1 Claim. (Cl. 240—78)



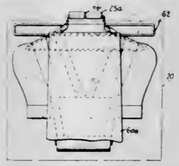
In a fluorescent lighting fixture assembly, readily mountable and demountable joining means for securing one fixture to another in end to end relation; said joining means comprising a top plate having legs extending therefrom to engage said fixtures, a bottom plate mounted at least in part between the ends of said fixtures, and means for joining said top and bottom plates, to lock said fixtures therebetween.

2,383,008
WORK POSITIONING APPARATUS
Leo Meister, Irvington, N. J.
Application June 1, 1942, Serial No. 445,383
8 Claims. (Cl. 90—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Work positioning apparatus comprising a block of non-magnetic material having sides angularly placed with respect to each other to receive a work piece and magnetic means of opposite polarity closely adjacent each of said sides for automatically positioning said workpiece.

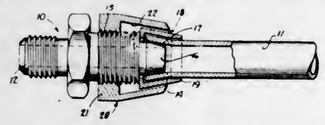
2,383,009
GARMENT HANGER FOR BAGS AND LIKE RECEPTACLES
Siegfried Meyer, New York, N. Y.
Application February 7, 1941, Serial No. 377,884
2 Claims. (Cl. 223—85)



1. A device for carrying garments and the like in folded condition comprising garment shoulder hanger means having downwardly directed diverging lateral ends, and substantially rectangular folding means extending beyond the lateral ends of said shoulder hanger means and adapted to be slipped over a garment when suspended from said shoulder hanger means, said folding means comprising a substantially U-shaped yoke and a transversely directed bar below said yoke and engaging the ends of said U-shaped yoke to fold the lower portion of said garment over said bar, said yoke being adapted for positioning side by side with said shoulder hanger means and being engageable with the latter, whereby said lower garment portion placed on said bar may be lifted to the folded position of said garment in which said yoke of said folding means engages said shoulder hanger means, said bar being arranged substantially above the lateral ends of said shoulder hanger means when said yoke is in said engagement position, said U-shaped yoke being adapted for abutment against the end wall of a garment bag for protecting said folded garment.

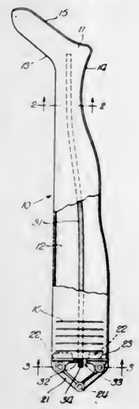
2,383,010
DETACHABLE COUPLING
Albert W. Miller, Jamaica, N. Y.
Application August 25, 1943, Serial No. 499,928
14 Claims. (Cl. 285—86)

1. In a detachable tube coupling including an exteriorly screw-threaded boss, a tube end fitting, a collar comprised of a plurality of longitudinal segments that act independently of each other, said segments having exterior tapered surfaces, an interiorly screw-threaded binding nut to engage the threaded boss of the said coupling, said binding nut having an extended portion shaped to conform to the exterior surfaces of said segments, friction means on the interior



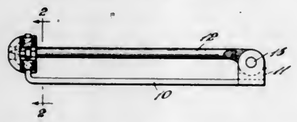
surfaces of said segments, means to control and limit the longitudinal movement of said segments, the said binding nut contracting the said segments to squeeze said segments into a gripping relation on a tube, said binding nut and said segments operating to force said tube into a firm connection with the said tube end fitting.

2,383,011
GARMENT TREATING FORM
Roy Mittelstadt, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Kankakee, Ill., a corporation of Illinois
Application September 24, 1941, Serial No. 412,101
4 Claims. (Cl. 223—76)



1. A garment form including in combination a hollow structure to receive the garment thereover and an inner rib comprising flexible stranded metallic cable, said rib adapted to control the inner surfaces of the said structure over substantially the entire length of said rib.

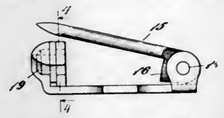
2,383,012
SAFETY CATCH
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application September 25, 1943, Serial No. 503,787
3 Claims. (Cl. 24—157)



1. In a safety catch a pair of members, one being generally U-shape providing a pair of ears and the other being sandwiched between said

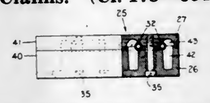
ears, said ears and portion sandwiched between being all deflected in the same direction along a portion of the surface of a sphere and with opposite deflected surfaces each conforming in shape to the other to rotatably mount the members while maintaining them in nested relation.

2,383,013
SAFETY CATCH
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application October 16, 1943, Serial No. 506,537
6 Claims. (Cl. 24—157)



1. A safety catch for a pin stem comprising a keeper member having its opposite ends reduced to provide pivotal trunnions, an elongated base member of sheet stock having an end portion thereof extending at an angle to provide an ear to receive and provide a bearing for one keeper member trunnion and an arm extending from said base at a side edge thereof on a curvature to embrace and provide a bearing for the other keeper member trunnion whereby said members are relatively rotatably mounted, said arm and base forming at the junction thereof a fold extending at right angles to the fold formed at the junction of the base and said ear.

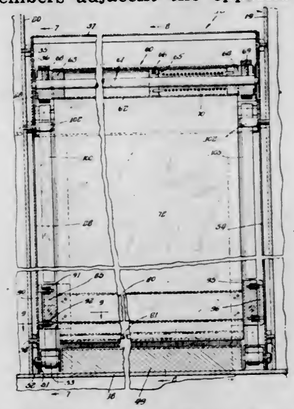
2,383,014
ELECTRICITY CONDUCTOR UNIT
Louis G. Morten, Teaneck, and Joseph F. O'Brien, Jersey City, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application September 13, 1940, Serial No. 356,604
6 Claims. (Cl. 173—334.1)



1. A unit of an electrical wiring system comprising complementary sections forming a housing, the sections being provided interiorly with complementary members respectively extending lengthwise of the unit and having complementary arcuate portions, said members further having recesses extending longitudinally interiorly of the unit and intersecting said complementary arcuate portions, reducing the angular arc of each of such intersected arcuate portions to less than one hundred and eighty angular degrees, and electrical conductors respectively supported within said complementary arcuate members.

2,383,015
CLOSURE
Raymond C. Pratt, Chicago, Ill.
Application November 1, 1941, Serial No. 417,448
9 Claims. (Cl. 160—265)

1. A closure structure comprising a closure member adapted to be drawn across an opening to be closed, said closure member being slidably shiftable in opposite directions of travel, means positively connected to opposite sides of the closure member at one end operable to urge the closure member in one direction of travel with a predetermined force, means positively connected to opposite sides of the closure member at its other end simultaneously operable to urge the closure member in the opposite direction of travel with the same predetermined force, a pair of frame members adjacent the opposite sides of

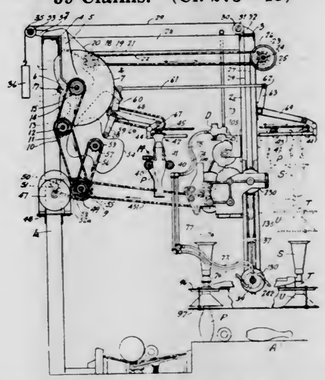


the closure member along which one end of the closure member is adapted to be slidably shifted, and friction means between the frame members and the sides of the closure member at said latter end for yieldably resisting movement thereof.

2,383,016
SEPARATION PROCESS
George Riethof, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 12, 1944, Serial No. 535,397
7 Claims. (Cl. 202—42)

1. The process of separating a mixture predominantly containing at least two of the bases 3-picoline, 4-picoline, and 2,6-lutidine which comprises including in the mixture phenol, and fractionally distilling the mass.

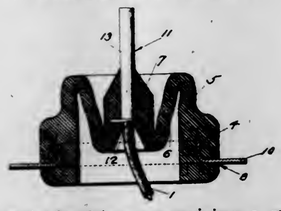
2,383,017
BOWLING PIN SETTING MACHINE CONTROL MECHANISM
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application June 28, 1941, Serial No. 400,164
39 Claims. (Cl. 273—43)



24. In a bowling pin setting machine, the combination with an alley bed, of a pin handling

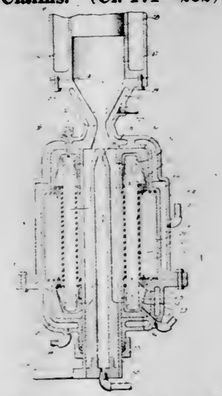
conveyor comprising a plurality of spaced pin holding elements mounted on said conveyor, control devices associated with each of said elements, mechanism operating said devices for effecting the movement of said conveyor and the delivery of a new set of pins to said bed if all the pins standing are knocked down on the throwing of a single ball, and means for preventing the operation of said mechanism if less than a full frame of standing pins is knocked down by said single ball.

2,383,018
FLEXIBLE BUSHING
Gerald D. Shere, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 3, 1943, Serial No. 477,897
7 Claims. (Cl. 174—167)



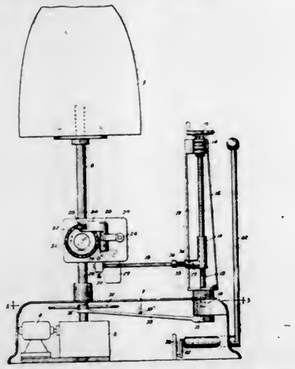
1. A lead-in bushing comprising a cup-shaped member of flexible insulating material, said member having an enlarged hollow base portion, a reduced tip and a hollow stepped portion between said base and said tip, said stepped portion having an external diameter less than the internal diameter of said base portion, and an internal diameter greater than the external diameter of said tip, whereby, when the pressure on the external surface of said cup-shaped member is greater than the pressure on the internal surface thereof, said tip will collapse into said stepped portion and said stepped portion will collapse into said base portion.

2,383,019
WINDING ELEMENT
Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation, a corporation of Ohio
Application June 4, 1943, Serial No. 489,614
4 Claims. (Cl. 171—252)



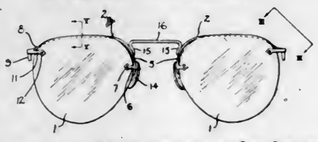
1. A liquid-tight element for a dynamo-electric machine comprising a magnetizable core having a plurality of winding slots, a winding comprising coils with coil sides in said slots and coil heads at the ends of the core, fluid-tight insulating coating means in the slots to substantially envelop the coil sides, anchoring means at the ends of the core and spaced therefrom, said anchoring means engaging and laterally supporting the coils, binding means tying the coil heads to the anchoring means for longitudinally supporting the coils, and a mass of fluid-tight insulating material in the slots comprising in conjunction with the fluid-tight insulating coating means a liquid-proof container about each coil side, said mass of fluid-tight insulating material terminating in an annular ring upon each end of the core and enclosing the coil heads to make a liquid-tight winding.

2,383,020
DRESS OR SKIRT TRIMMING MECHANISM
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application January 17, 1941, Serial No. 374,889
28 Claims. (Cl. 164—71)



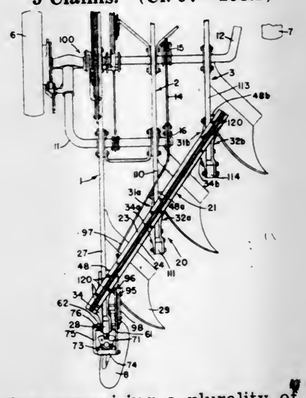
1. In combination, a rotatable dress supporting unit and operating means therefor, a trimming unit having a rotatable cutter and operating means therefor, and means for selectively controlling the relative speeds of rotation of said dress supporting unit and the trimming cutter.

2,383,021
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Original application January 3, 1938, Serial No. 182,936. Divided and this application June 30, 1941, Serial No. 400,419
4 Claims. (Cl. 88—41)



1. A lens supporting structure for lenses of an ophthalmic mounting each having a connection opening adjacent the nasal and temporal sides thereof spaced inwardly of the adjacent edges of the lenses, said lens supporting structure comprising means for connecting the lenses adjacent the nasal sides and a pair of long and slender bar-like members secured to said means and shaped substantially to follow the shape of the upper contour edge of each lens and to overlie only one surface portion of said lens to facilitate adjustment of said bar-like member in the direction of said surface portion when assembled with said lenses, lens connection means comprising a perforated ear extending from adjacent one end of each of said bar-like members and adapted to overlie one of the side surfaces of a respective lens and being adapted to be aligned with the connection opening thereof, a washer-like part adapted to be positioned in overlying relation with the other side surface of said lens and with the said connection opening, a hollow tubular part being adapted to extend within the connection opening with the major portion thereof lying between the perforated ear and the washer-like part and connection means adapted to be extended within said tubular part and to function cooperatively with the perforated ear and the washer-like part to clamp the lens therebetween, said washer-like part being free to be moved bodily into engagement with the adjacent surface of the lens throughout its entire contour when the parts are being assembled and said hollow tubular part being separable from the ear.

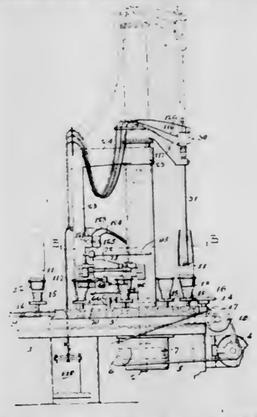
2,383,022
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 16, 1942, Serial No. 439,199
5 Claims. (Cl. 97—198.1)



1. A plow comprising a plurality of generally longitudinally extending beams, a pair of plates, each having a laterally outwardly directed flange, secured to opposite sides of each of said beams, and a brace member extending generally transversely of said beams and secured to the flanges of said side plates.

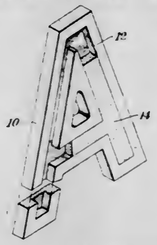
2,383,023
SPRAY COATING MACHINE
Robert E. Sykes and Bernard H. Moser, Toledo, Ohio, assignors to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application June 14, 1943, Serial No. 490,710
22 Claims. (Cl. 91—45)

3. In a machine for spray coating articles, the combination with a rotatable member, and a conveyor having at least a portion of its movement with the member and concentric to its axis of rotation and having an article holder, of a spray gun, a carrier for said gun, means operable to move said carrier to swing said gun throughout a predetermined arc of movement with said member and holder with the gun in spraying register with the article carried by the holder, means operable during swinging movement of the gun for imparting vertical reciprocatory movements to the carrier to vertically



reciprocate it relative to the article, means for causing said gun to have a spraying action during a predetermined portion of its swinging movement with the article, and means for swinging said carrier back to starting position after a spraying operation.

2,383,024
SIGN DEVICE
Leon A. Tarbox, Cranford, N. J.
Application April 16, 1941, Serial No. 388,719
10 Claims. (Cl. 40—140)

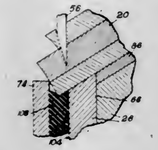


1. A three-dimensional detachable character for a sign or title, having a raised body portion of the predetermined shape and a thermoplastic surface on the back of and integral with said letter whereby on partial heating of the surface the letter can be rendered adherent to a surface, said material permitting substantially clean release of the character in the cold condition.

2,383,025
HEEL BREASTING MACHINE
Fred P. Taylor, Auburn, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 12, 1944, Serial No. 549,181
10 Claims. (Cl. 12—47)

1. In a trimming machine, a rigid support for a work piece, said support having an edge, a block of resilient material constructed and arranged to be engaged by a portion of the work piece projecting beyond said edge and to cause said work piece upon the support initially to be spaced from said edge, and a reciprocable knife movable past

said edge, said block being yieldable under pressure of the work piece operated upon by the knife to permit a portion of the work piece to be forced



against and tensioned crosswise of said edge preparatory to the severance of material from said portion of the work piece.

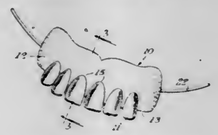
2,383,026
ALUMINUM ALLOYS
John A. Toleik, Berwyn, Ill.
No Drawing. Application August 15, 1940, Serial No. 352,719
1 Claim. (Cl. 75—142)

An aluminum alloy made by alloying the following constituents in substantially the following proportions:

	Per cent
Copper from	0.44 to 0.65
Cobalt	0.31
Nickel	0.31
Molybdenum	0.25
Magnesium	0.25
Silver	0.19
Vanadium	0.06
Tungsten	0.06
Chromium	0.06
Cadmium	0.25

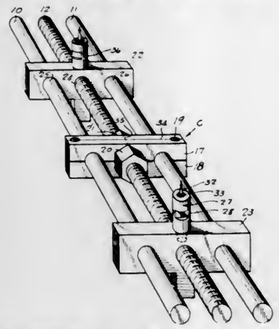
and the balance of aluminum.

2,383,027
CARRIER MEANS FOR ARTIFICIAL TEETH
Frederic Tryfus, Forest Hills, and Alfred Mendel, New York, N. Y.
Application November 16, 1940, Serial No. 365,878
2 Claims. (Cl. 32—71)



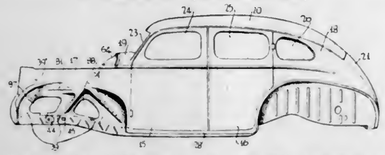
1. A carrier for display of artificial teeth comprising a substantially gum simulating body of a single piece of flexible and elastic material, said body having an upper portion tapering toward its upper end and a lower portion extending from said upper portion and provided with at least one pocket for the insertion of a tooth therein, said pocket being defined by a rear wall terminating in a lower edge, by an upper wall extending from said rear wall and recessed in said upper portion, and by a flexible and elastic lip integral with said body and projecting from said upper portion beyond said upper wall of said pocket; and means integral with said body and formed in the rear wall of said pocket, said means and said lip being adapted upon engagement with a tooth inserted in said pocket to retain said tooth therein for manual adjustment and for removal therefrom, said tooth when placed against said rear wall extending beyond said lower edge of the latter and toward said upper wall of said pocket.

2,383,028
EXPANDING TOOL
John J. Twardowski, Philadelphia, Pa.
Application October 25, 1943, Serial No. 507,559
4 Claims. (Cl. 33—159)



1. In an expanding tool of the character described, an actuating screw, a pair of slide bars arranged on opposite sides of said screw, a central clamp assembled on said slide bars and screw, means to hold said central clamp against longitudinal movement relative to said slide bars and screw, a pair of slides carried by said slide bars and screw on opposite sides of said central clamp, and a scribing point carried by each of said slides.

2,383,029
VEHICLE BODY
Theodore Ulrich, Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1939, Serial No. 299,595
2 Claims. (Cl. 296—28)

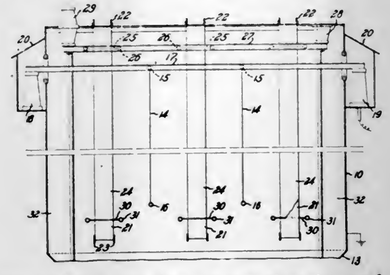


1. In a vehicle body, a wheel housing wall curved in cross section, a plurality of portions raised outwardly above the curvature of said wall and providing substantially flat surfaces, said raised portions meeting in one region from which they extend in different directions in a star like manner, a dash board having its side margin fastened to one of said raised portions, a reinforcing transverse member extending from the upper portion of said dash board downwardly and toward the end of the body and fastened by its side margin to a second raised portion, and a reinforcing rail extending in the general direction of the wheel housing wall and fastened to a third of said raised portions.

2,383,030
ELECTRICAL PRECIPITATION
Harry J. White, Cambridge, Mass., assignor, by direct and mesne assignments, of one-half to Research Corporation, New York, N. Y., a corporation of New York, and one-half to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application June 5, 1943, Serial No. 489,833
10 Claims. (Cl. 183—7)

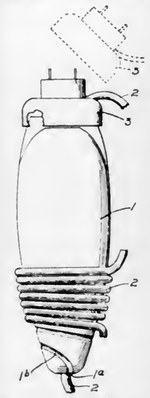
1. An electrical precipitator including opposed precipitating and collecting electrode structures

spaced apart to provide a gas passage therebetween, the collecting electrode structure comprising a plurality of extended surface members spaced apart longitudinally of the gas passage to define a plurality of pockets open to the gas passage but shielded by said extended surface



members from the flow of gas therein, and electrode members electrically insulated from said extended surface members, positioned in said pockets and maintained at an electric potential with respect to said extended surface members to impel charged particles in said pockets toward the surface of said members.

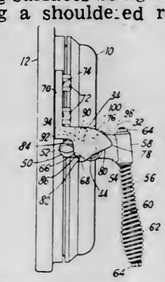
2,383,031
COMBINED ELECTRIC RAZOR CASING AND CORD SUPPORT
Robert C. Wilson, Chula Vista, Calif., assignor of one-fourth to Lyle Alcumbrack, Imperial Beach, Calif.
Application October 25, 1943, Serial No. 507,504
4 Claims. (Cl. 30—34)



1. In a combined electric razor casing and cord support of the class described, the combination of an electric razor casing provided with a spiral-like groove near one end of said casing and an electric razor operating cord wound in said groove and around the body of the casing.

2,383,032
DOOR LATCHING MECHANISM
John Abernethy, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Jersey City, N. J., a corporation of New Jersey
Application October 13, 1942, Serial No. 461,858
5 Claims. (Cl. 292—238)

1. A latching mechanism for use with relatively movable parts, one of which constitutes a horizontally swinging door and the other a stationary frame for said door, said mechanism comprising a latch rotatable about a horizontal axis fixed in relation to one of said parts, said latch having an integral bolt portion extending parallel to said axis for cooperation with a catch fixed in relation to the other of said parts, said catch having successive upright latching surfaces adapted to be separately engaged by said bolt portion for positively holding said door in any one of a plurality of latched positions against a force tending to swing said door in the opening direction, said latching surfaces being in stepped relation and forming a shouldered recess therebe-



tween at a level below said axis, said latch being adapted for arrangement relative to said catch whereby application of a force to said latch to rotate said latch solely in one direction will cause said bolt portion to be moved from engagement with the lower of said latching surfaces within said recess into engagement with said latching surface above said recess while causing said door to be swung from a partially closed to its fully closed position, said bolt portion being of rhomb-shaped cross section with respect to a major axis substantially in the plane of said rotational axis for engagement with each of said latching surfaces at one end of said major axis.

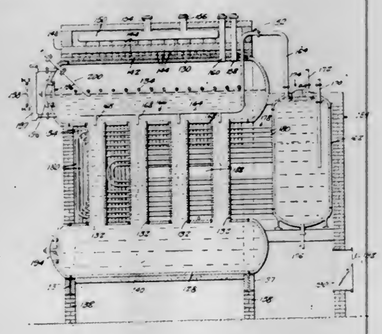
2,383,033
LUBRICANTS
Elmer Wade Adams, Hammond, Ind., and George W. Flint, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 2, 1942, Serial No. 464,246
9 Claims. (Cl. 252—33)

1. A composition of matter comprising a major proportion of a mineral oil having a Saybolt Universal viscosity at 100° F. within the range of about 45 seconds to about 70 seconds, from about 1% to about 40% of a soap of preferentially oil-soluble sulfonic acids obtained by treating a petroleum distillate having a Saybolt Universal viscosity at 100° F. within the range of about 50 seconds to about 1000 seconds with from about 6 pounds to about 9 pounds of concentrated sulfuric acid per gallon of distillate, and from about 0.5% to about 6% of a mixture of saturated aliphatic oxygen-containing compounds including alkyl ester, lactones, ketones, alcohols and alcohol-ketones, said saturated aliphatic oxygen-containing compounds being obtained by the partial oxidation of petroleum hydrocarbons.

2,383,034
STEAM BOILER
Constantine Alexandrou, Brooklyn, N. Y.
Application October 6, 1942, Serial No. 460,989
4 Claims. (Cl. 122—333)

1. In a boiler, a housing, a pair of elongated headers mounted horizontally in the upper and

lower parts of the housing, a plurality of vertical tubes of relatively large interior diameter connected to the headers at longitudinally spaced intervals and providing communication therebetween, a multiplicity of tubes of relatively small interior diameter connected to and providing communication between said headers, said smaller diameter tubes having their intermediate portions



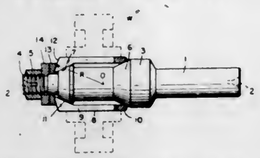
offset laterally to provide spaces between the same and the vertical tubes, a feed water pre-heating container mounted adjacent one end of the headers, and a plurality of conduits having their ends connected with upper and lower portions of said feed water container and extending through the spaces between the vertical tubes and the offset portions of the smaller diameter tubes.

2,383,035
ALUMINOUS ABRASIVE MATERIAL
Henry N. Baumann, Jr., and Charles E. Wooddell, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 18, 1944, Serial No. 559,200
6 Claims. (Cl. 51—309)



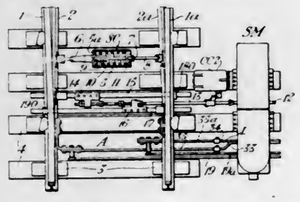
1. Aluminous abrasive material comprising by chemical analysis at least 90% of crystalline aluminum oxide, and a matrix consisting principally of a silicate of the group consisting of beryl and zircon, each crystal of said material having a micro-structure characterized by approximately parallel planes of matrix material bounding parallel columns, oriented lengthwise in the direction of the C-axis of the crystal, of micro-crystals of alpha alumina.

2,383,036
EXPANDING ARBOR
Milton L. Benjamin, Cleveland, and Stanley S. Benjamin, University Heights, Ohio; said Stanley S. Benjamin assignor to said Milton L. Benjamin
Application September 20, 1943, Serial No. 503,098
5 Claims. (Cl. 82—44)



2. An expanding arbor comprising the combination of a shank, an expansible sleeve adapted to fit over said shank and to engage the interior of the workpiece, means for exerting longitudinal pressure on said sleeve, axially spaced conical bearing surfaces fixed on said shank, and complementary conical bearing surfaces on said sleeve, the apices of said conical bearing surfaces coinciding with the axis of said shank and being disposed in the same axial direction thereon with respect to the bases of each of said conical surfaces.

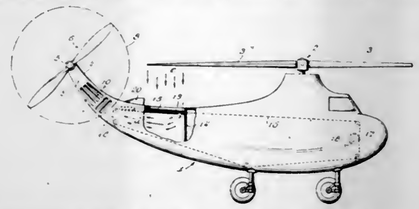
2,383,037
RAILWAY TRAFFIC CONTROLLING APPARATUS
Herbert L. Bone, Forest Hills, and Crawford E. Staples, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 15, 1944, Serial No. 531,212
12 Claims. (Cl. 246—219)



1. In combination, a normal and a reverse switch control relay each capable of assuming normal and reverse positions, means for selectively energizing said relays to cause them both to assume their normal positions, both to assume their reverse positions, or one to assume its normal position and the other its reverse position, a railway switch having independently movable switch points, and means controlled by said relays for causing said switch points to both assume closed positions or one or the other switch point to move to an open position according as one relay occupies its normal position and the other relay its reverse position, or as both relays occupy their normal positions or as both relays occupy their reverse positions.

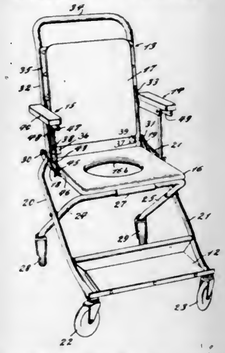
2,383,038
AIRING OF ANTITORQUE PROPELLERS
Enea Bossi, New York, N. Y.
Application June 4, 1943, Serial No. 489,634
6 Claims. (Cl. 244—17)

1. In an aircraft including a fulselage and a rotary wing system, the combination of an antitorque propeller rotatable about a horizontal axis in a vertical plane outside of and close to one of the side walls of the tail end of the fuselage, a portion of the disc of said propeller and a portion



of said side wall being in overlapping relationship to each other, and an air outlet in said overlapped portion of said side wall.

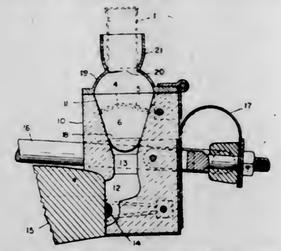
2,383,039
HOSPITAL CHAIR
Elizabeth W. Bushnell, Bridgeport, Conn., assignor to Berkley A. Thomas and Harry G. Marquis, both of Scarsdale, N. Y.
Application September 21, 1944, Serial No. 555,050
2 Claims. (Cl. 155—30)



2. In chair construction, in combination, a seat having an opening formed therein, front legs, means fastening the upper ends of said front legs adjacent the rear edge of said seat, a foot rest secured to and connecting the lower ends of said front legs, an open-ended inverted U-shaped member forming rear legs, thereby to provide a rearwardly open framework adapted to permit the chair to be backed over a low lying object, means fastening the cross piece of said U-shaped member to said seat adjacent the front edge thereof, and a caster secured to the end of each of said legs, the front and rear legs at each side of said seat being crossed and connected at their point of intersection.

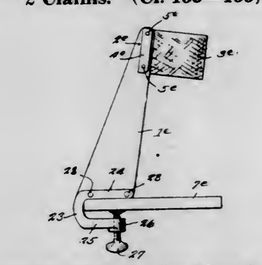
2,383,040
EXOTHERMIC REACTION CHARGE
Charles A. Cadwell, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application December 4, 1943, Serial No. 512,913
10 Claims. (Cl. 75—27)

5. In a method of controlling a self-propagating exothermic reaction of the character described, the steps which comprise placing in a crucible a main body of material wherein a metallic oxide is intermixed with a metallic element capable upon being heated of reducing such oxide to produce molten metal, disposing on top of such body a layer of such metallic oxide and intermixed metallic element having a higher intensity of reaction the amount of such metallic element in each body being sufficient substantially



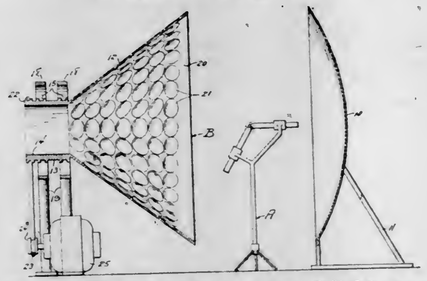
to reduce such intermixed oxide to metal upon ignition of the charge, and setting off such layer which in turn sets off such main body of reaction material.

2,383,041
BENCH BACK
Robert Arthur Campbell, Ann Arbor, Mich.
Application February 17, 1942, Serial No. 431,303
2 Claims. (Cl. 155—133)



2. A portable back for backless benches, comprising a pair of side rails, a flexible member constituting the sole connection between the rails, and means carried by the side rails for holding them detachably engaged with a bench, said means comprising strips secured to the rails adjacent to the forward edges thereof, the strips having arms extended backwardly under the lower edges of the rails, and binding screws threaded into the arms and operating toward the lower edges of the rails.

2,383,042
REVOLVING REFLECTOR
Edward N. Cavert, North Hollywood, Calif.
Application November 20, 1943, Serial No. 511,137
1 Claim. (Cl. 240—10.1)



The combination of a source of light, a concavo-convexed reflector centered with respect to

and spaced rearwardly from said light source, a conical shaped reflector centered with respect to and spaced forwardly from said light and tapered towards its front end, a tubular light emitting neck extruding forwardly from the small end of the conical reflector, a series of concavities on the inner reflection surface of said last mentioned reflector, the said concavities being arranged in rows annularly and radially of the said surface, and means for rotatively supporting the last mentioned reflector including standards having heads extending about said neck and rollers interposed between the heads and the neck of the last mentioned reflector.

2,383,043
STABILIZATION OF POLYMERIZABLE COMPOUNDS
Edwin L. Cline, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 26, 1943, Serial No. 492,419
14 Claims. (Cl. 260—486)

1. A method for stabilizing a monomeric polymerizable unsaturated organic compound selected from the group consisting of polymerizable styrene compounds, acrylates and vinyl esters, against polymerization during storage and handling at atmospheric and somewhat elevated temperatures, which comprises mixing a small proportion of hematoxylinoid material with the monomeric material.

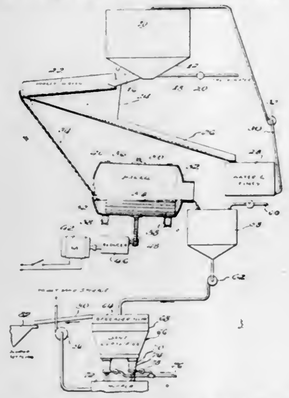
2,383,044
TRIGGER ACTION
Roscoe J. Craig, Crawford, Nebr.
Application July 23, 1942, Serial No. 452,044
3 Claims. (Cl. 42—69)



1. In a firearm, the combination of a finger operated trigger, a hand grip rotatably mounted on the firearm, a cam attached to the grip, a guide attached to the firearm, a rod slidably supported by said guide, and a spring acting on said guide and said rod to bias the latter against the cam and normally hold said cam in an inoperative position, said rod being engageable with said trigger through rotation of the cam for imparting longitudinal movement to the rod.

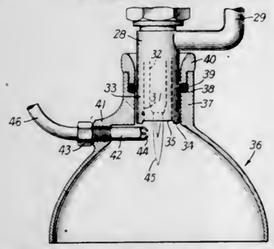
2,383,045
METHOD AND APPARATUS FOR SAND RECLAMATION
Adrian Den Breejen, Jasper James Amari, and Roy Luce, Chicago, Daniel H. Petty, Skokie, Ronald Webster, Evanston, and Towner K. Webster, Jr., Winnetka, Ill., assignors to The Hydro-Blast Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1942, Serial No. 436,760
8 Claims. (Cl. 22—89)

8. The method of reclaiming used foundry sand made up principally of sand grains coated with burned binding material which comprises mixing the sand to be treated with water to form a flowable mixture, dewatering the mixture while in a flowing stream to reduce the moisture content of the mixture to between 20 per cent and 5 per cent water by weight, mulling the resulting damp mixture so as to cause relative movement between the individual grains, and exerting a force upon the sand during the mull-



ing step so as to cause the relatively moving sand grains to scrub each other.

2,383,046
MEANS FOR IGNITING A TORCH UNDER WATER
Mario di Zoppola, New York, N. Y., assignor to General Bronze Corporation, Long Island City, N. Y., a corporation of New York
Application April 3, 1943, Serial No. 481,677
1 Claim. (Cl. 158—27.4)

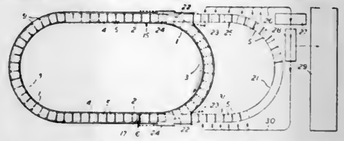


In apparatus for igniting a combustible mixture of gases under water, in combination, a torch having a nozzle for the flow of air and a combustible mixture of gases, a bell-shaped member having a neck extending therefrom, the diameter of said neck being greater than the diameter of said nozzle and the entrance end of said neck being flared to an even greater diameter than the neck diameter, gasket means in said neck and adapted to tightly engage said nozzle when the nozzle is inserted into the neck when the bell member is attached to the nozzle, and ignition means secured to said bell member adjacent the outlet end of said nozzle.

2,383,047
PROCESS AND APPARATUS FOR THE PRODUCTION OF PLASTIC SHEET MATERIAL
Henry Dreyfus, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application April 25, 1941, Serial No. 390,355
In Great Britain May 22, 1940
8 Claims. (Cl. 18—15)

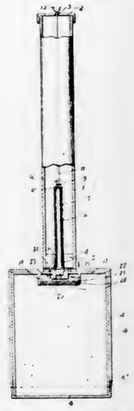
2. In an apparatus for producing plastic sheet material by flowing a sheet of dope continuously from a dope box on a series of casting plates, causing said sheet of dope to set on said plates

and stripping the set sheet from said plates, a series of trucks each adapted to carry a casting plate, means for repeatedly effecting a cycle of relative motions between said series of trucks and said dope box so that the one passes the other once in each cycle in a direction lengthwise of said series of trucks, means including a chamber for causing layers of dope cast on said plates to



set in the course of each cycle of motions, and doors in said chamber for permitting the entrance and exit of said trucks, the construction and arrangement being such that after a plurality of said cycles at least some of said trucks may be removed from said setting means to permit the removal of said plates from said trucks and for the stripping of said layers from said plates.

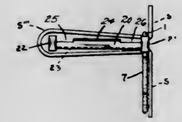
2,383,048
FIRE EXTINGUISHER
James C. Eckert, Jr., Jacksonville, Fla.
Application August 2, 1941, Serial No. 405,256
8 Claims. (Cl. 169—28)



1. In a fire extinguisher of the class described, a tubular handle, a cylindrical cartridge holder extending axially from one end of said handle and having an open end, a cartridge loaded with fire extinguishing material and detachably mountable in said holder so as to protrude but slightly beyond the open end thereof, means in said cartridge near the inner end thereof forming a rupturable explosive containing chamber, and explosion initiating means in said handle adapted to cooperate with said initiating means to ignite the explosion in said chamber.

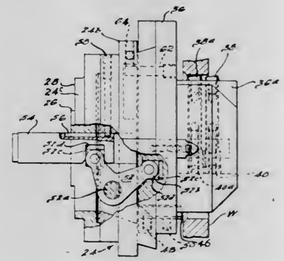
2,383,049
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application November 18, 1943, Serial No. 510,751
1 Claim. (Cl. 24—170)

A slide loop including a substantially rectangular wire loop formation having an upper bar, slightly resilient side bars and lower bar portions from which side arms of a button loop integrally depend; a sheet-material intermediate bar of which one extremity is movably carried by one of said side bars and adapted to engage the opposite side bar, said intermediate bar having sufficient width to substantially occupy the interior of the wire looped formation; a flanged projection provided by the upper edge of the intermediate bar and adapted to project outwardly from said rectangular formation; re-



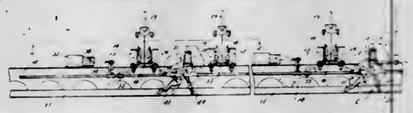
cesses provided by the upper edge of the intermediate bar, one on each side of said flanged projection; and a looped portion of a strap having marginal hems inserted into rectangular formation from the rear thereof, the looped strap portion receiving therethrough the movable bar as it is moved to its closed position, the taut strap being held between said hems by the flanged projection and said upper bar and the marginal hems within said recesses.

2,383,050
MULTIPLE OPERATION TOOLHEAD
Gordon Forbes Esson, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application June 9, 1943, Serial No. 490,173
5 Claims. (Cl. 77—58)



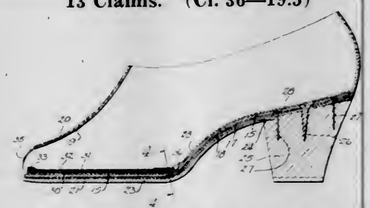
1. In a tool head for use with a machine adapted to cause movements of rotation and/or translation between said tool head and a workpiece, a tool slide supporting body having a member movable axially thereof, means for moving said member, a tool supporting cross slide movable in said body at an angle thereto, means connecting said member and cross slide for simultaneous movement relative to said body, a tool carried by said cross slide and adapted when said slide is in a fixed position to cut a predetermined diameter upon said workpiece, and another tool carried by said cross slide and adapted when said cross slide moves relative to said body to generate a face surface on said workpiece at an angle to said diameter, a second cross slide movable in said body at an angle to the first said cross slide and adapted to carry another tool for generating a second surface on the workpiece at an angle to said face surface, and means for moving said second cross slide responsively to movement of said first cross slide.

2,383,051
INTERLOCKING TRANSFER BRIDGE OR CRANE
Frederick W. Everard, Wickliffe, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application December 22, 1942, Serial No. 469,801
1 Claim. (Cl. 104—98)



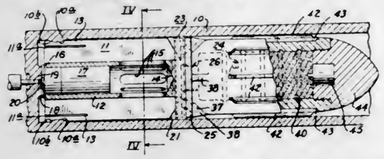
In an overhead underslung carrier system, the combination of: an overhead underslung carrier track assembly including a carrier supporting rail; a generally horizontal runway at one end of said track assembly; a second underslung carrier track assembly including a second carrier supporting rail; means for supporting said second track assembly for movement along said runway; means for selectively moving said second track assembly along said runway whereby said rails may be moved into and out of end to end position with respect to each other; one of said track assemblies comprising a guideway extending lengthwise of said runway and comprising upper and lower horizontal guide surfaces terminating in portions inclined with respect to a horizontal plane and side vertical guide surfaces terminating in portions inclined with respect to a vertical plane and the other of said track assemblies comprising a roller adapted to engage in said guideway as said rails are moved into end to end position and vertically align the ends thereof and position them in predetermined spaced relation; one of said track assemblies having a vertical slot at least a portion of the sides of which are inclined with respect to a vertical plane and the other of said track assemblies comprising a member adapted to be engaged within said slot; means for engaging said member within said slot whereby said vertically aligned rail ends are horizontally aligned and fixedly maintained in said alignment; means for disengaging said member from said slot; each of said track assemblies comprising a safety stop adjacent to the end thereof adapted to adjoin the other track assembly and which safety stop is normally positioned in the path of a carrier supported for movement along said rails; and means on said safety stops cooperating with adjacent parts of the adjoining track assembly upon engagement of said member within said slot for moving said safety stops to inoperative positions.

2,383,052
SHOE
Joseph H. Everston, Milwaukee, Wis.
Application June 26, 1943, Serial No. 492,340
13 Claims. (Cl. 36—19.5)



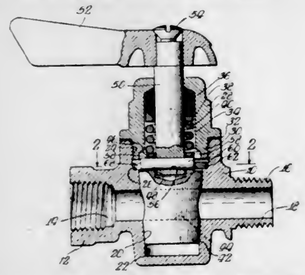
1. In a cement lasted shoe, the combination with an insole, an upper lasted about said insole throughout the shoe and cemented to the insole at the forepart, and an outsole cemented beneath the insole and upper, of a prefabricated glide unit resting free on the insole at the forepart of the shoe and comprising a cushion ply and at least one other ply, said unit having a rear terminus at the shank, and stitching extending transversely of the insole through all of said plies and connecting the rear terminus of said unit to the insole at the shank.

2,383,053
MOUNTING DEVICE FOR PROJECTILES
Herman J. Fanger and Henry Gruenhagen, Oakland, and Cleve F. Shaffer, San Francisco, Calif., assignors of thirty per cent to Martin C. Mogensen, Martinez, Calif., thirty per cent to Herbert W. Erskine, Piedmont, Calif., thirty per cent to said Cleve F. Shaffer, five per cent to said Henry Gruenhagen, and five per cent to said Herman J. Fanger
Application April 18, 1942, Serial No. 439,456
7 Claims. (Cl. 102—49)



4. A mounting device for explosively propelled projectiles, including a finned adapter having an elongated perforated tubular body and having at its rearward end an opening for receiving an explosive charge, a plurality of relatively rotatable disc plates coaxially mounted at the forward end portion of the adapter body, said plates having their disc portions in overlying sliding substantially contacting relation and each plate having openings therethrough, providing a disc control valve, said openings in the respective plates being selectively adapted, by relative rotation of the plates, for adjustment from an aligned open relationship to a closed relationship, two of said plates being of substantially rigid material and another of said plates being interposed therebetween and being of relatively softer and more flexible material and having a circumferential downwardly depending skirt at its periphery, and means for mounting a projectile body at the face of said disc valve farthest removed from the adapter.

2,383,054
PLUG COCK
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1944, Serial No. 545,096
5 Claims. (Cl. 251—152)



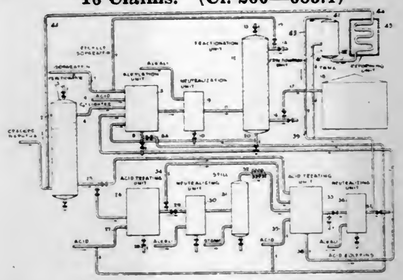
1. A valve having fixed open and closed positions comprising a body having a chamber and

inlet and outlet passages communicating therewith and a recess at one end of the chamber, a bonnet attached to the body closing the recess, a valve element in the chamber and a stem extending from the chamber through the bonnet, said valve element having a central pocket at one end adapted to loosely receive one end of the stem, said valve element having radial passages and said stem having a corresponding radial passage and a pin engaging said passages for loosely securing the stem to the valve element, a stop member comprising a washer having a fixed position in the recess and shoulders forming a segmental opening on one side, said pin having one end positioned in said opening between the shoulders having respectively a position against one shoulder in closed position for the valve and a position against the other shoulder in open position thereof.

2,383,055
POLYMERIZATION OF CONJUGATED DIENES
Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 28, 1941, Serial No. 385,757
10 Claims. (Cl. 260—84.5)

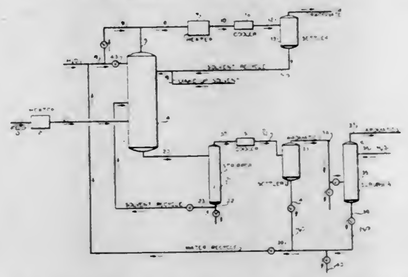
1. The process which comprises polymerizing a conjugated butadiene hydrocarbon in aqueous emulsion in the presence of an inorganic compound containing both sulfur and oxygen, which normally functions as a reducing agent.

2,383,056
MANUFACTURE OF MOTOR FUEL
Arthur R. Goldsby, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 25, 1941, Serial No. 375,918
16 Claims. (Cl. 260—683.4)



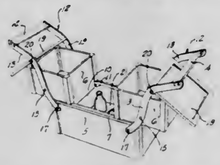
1. In the manufacture of motor fuel of high antiknock value the method which comprises treating naphtha containing olefinic and aromatic constituents with concentrated sulfuric acid of 96–100% strength at a temperature of about 10–60° F. and with short contact time such that olefin constituents of the naphtha coextensive in boiling range with aromatic constituents thereof are preferentially absorbed by the acid without any substantial absorption of the aromatic constituents, separating the acid and absorbed olefins from the naphtha, passing absorbed olefins substantially free from aromatics to an alkylation zone and subjecting the mixture therein to contact with a substantial molar excess of low-boiling isoparaffin in the presence of an alkylation catalyst maintained under alkylating conditions whereby branched chain gasoline hydrocarbons of high antiknock value are obtained.

2,383,057
EXTRACTION OF HYDROCARBONS
Howard H. Gross, Fishkill, and Irvine F. German, Jr., Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 2, 1943, Serial No. 508,704
8 Claims. (Cl. 196—13)



1. A process for effecting separation between hydrocarbon bodies of different chemical constitution by solvent extraction which comprises extracting a mixture of hydrocarbons with relatively concentrated aqueous levulinic acid at a temperature in the range about 150 to 300° F., forming an extract phase comprising soluble hydrocarbons dissolved in a larger proportion of the acid and a raffinate phase comprising relatively insoluble hydrocarbons mixed with a minor proportion of the acid, said raffinate phase containing a small amount of lactones formed from the acid during said extraction, separating said phases, commingling the separated raffinate phase with water in substantial molar excess over the lactones present, maintaining the commingled mixture at a temperature in the range 150 to 600° F. for a substantial period of time such that lactones therein are converted to acid, separating the resulting acid from the raffinate hydrocarbons and returning the separated acid to the extraction step.

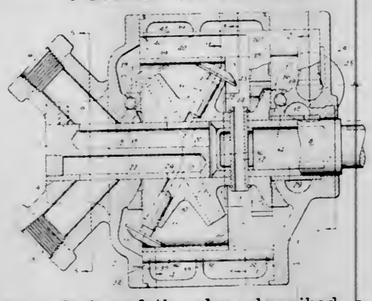
2,383,058
PORTABLE CONTAINER
Harley J. Hanson, Milwaukee, Wis.
Application March 10, 1944, Serial No. 525,957
1 Claim. (Cl. 206—16)



A container, comprising a main section having an open upper end, a pair of smaller, endwise adjacent trays longitudinally movably mounted on the top of the main section in covering relation thereto, means slidably connecting the trays with the main section but preventing upward displacement of said trays, a cover movably mounted on and closing each tray, and a pair of complementary carrying and operating handles, each having an end portion pivotally mounted on an opposite outer end portion of the main section and converging at their other end portions beyond the trays, intermediate portions of each handle being pivotally attached directly to the adjacent tray at a point medially of the ends and adjacent the lower edge thereof and to an inner end of its cover, the points of pivotal attachment of a handle with

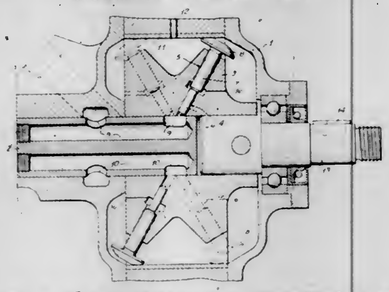
the main section, a tray and a cover being successively longitudinally inwardly removed from one another, the converging portions of the handles being swingable away from each other to slide the trays longitudinally outwardly of the main section away from each other and to simultaneously shift and tilt the covers relative to the trays with the covers pivotally moving directly on their respective handles.

2,383,059
FLUID PUMP
James F. Hoffer, Detroit, Mich., assignor, by mesne assignments, to Superdraulic Corporation, Dearborn, Mich., a corporation of Michigan
Application December 31, 1941, Serial No. 425,090
9 Claims. (Cl. 103—161)



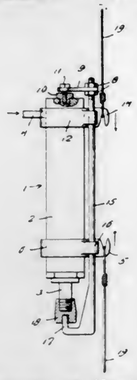
1. In a device of the class described, a rotor having a chamber therein, fluid inlet and outlet means for said chamber, a piston having a shank disposed in said chamber and having an exposed bearing portion, an elliptical reaction member encircling said rotor and adapted to contact said bearing portion said member comprising a continuous spring band, and means for varying the ellipticity of said band.

2,383,060
FLUID PUMP
James F. Hoffer, Detroit, Mich., assignor, by mesne assignments, to Superdraulic Corporation, Dearborn, Mich., a corporation of Michigan
Application August 26, 1942, Serial No. 456,222
2 Claims. (Cl. 103—161)



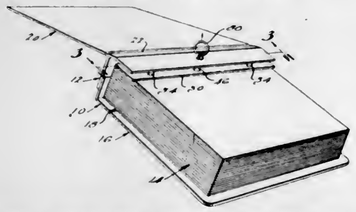
1. In a device of the class described, a rotor having a multiplicity of banks of cylinder bores disposed at equal and opposite angles and a tappet-guide bore substantially axially aligned with each cylinder bore and of relatively larger diameter than said cylinder bores, fluid inlet and outlet means for said cylinder bores, a piston in each cylinder bore, a tappet in each tappet-guide bore with one end engaging the associated piston and its other end extending outwardly of said rotor, and a reaction ring surrounding said rotor, the outwardly extending ends of said tappets being rounded and engaging said reaction member, said equal and opposite angularity of said banks being such as to dispose the tappets angularly with respect to the reaction member so that the point of contact of said rounded ends is offset from the axes of the tappets and induces rotation of said tappets through contact therewith.

2,383,061
JACK ATTACHMENT
Clarence D. Johnson, Bastrop, La., assignor of one-half to Willie P. Stephenson and one-half to Arthur E. Stephenson, both of Bastrop, La.
Application July 10, 1944, Serial No. 544,248
4 Claims. (Cl. 254—51)



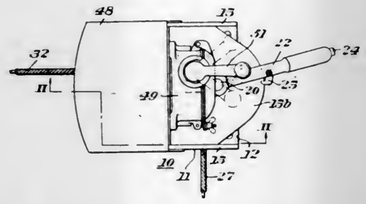
1. An attachment of the character described for jacks of the type including a barrel and a plunger operable therein, comprising parallel stationary and slidable rods, means for securing the stationary rods to the end of the barrel which is remote from the plunger, a ring on the stationary rod encircling the barrel, means slidably connecting the slidable rod to the ring, a ring on the slidable rod, the second-named ring slidably encircling the barrel, means slidably connecting the second-named ring to the stationary rod, means connecting the slidable rod to the plunger for actuation thereby, and opposed hooks on the rings.

2,383,062
POST BINDER
Stanley G. Johnson, Grosse Pointe, Mich., assignor to The Burkhardt Company, Detroit, Mich., a corporation of Michigan
Application May 15, 1944, Serial No. 535,618
5 Claims. (Cl. 129—13)



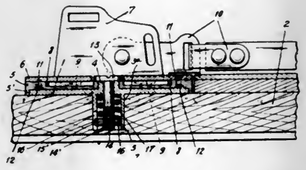
3. In a telescoping binder, in combination, a pair of hollow posts one telescopically received within the other, the inner of said posts having an opening therein, a locking member within said inner post pivoted thereto for movement about an axis extending transversely of said post on the side opposite said opening, said locking member projecting through said opening and into engagement with the inner surface of the outer of said posts, spring means constantly urging said locking member towards engagement with the inner surface of the outer of said posts, and means for releasing said locking member from said engagement comprising a bar member extending through said locking member in slidable but non-rotatable relation therewith and having one end thereof projecting beyond the upper end of said inner post, the opposite end of said bar member having a head extending in a direction away from the pivotal axis of said locking member and being engageable with the under side of said locking member to release the same from locking position upon upward movement of said bar member.

2,383,063
THROTTLE CONTROL FOR LOCOMOTIVES OR THE LIKE
William F. Kromer, Sharpsburg, Pa., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,797
4 Claims. (Cl. 290—4)



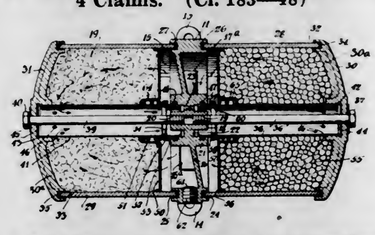
1. A throttle control for a locomotive or the like having two independent power plants each including an engine, a generator and a motor, said control comprising a switch for controlling the speed of said motors, a pair of rotatably mounted members each having means connected thereto for controlling the speed of one of said engines, means for adjustably securing said members together for simultaneous rotation in a predetermined angular relation, and means whereby rotation of said members actuates said switch.

2,383,064
SKI BINDING
Adrian Berchtold Lanz, Zurich, Switzerland
Application July 30, 1942, Serial No. 452,940
In Switzerland May 18, 1942
3 Claims. (Cl. 280—11.35)



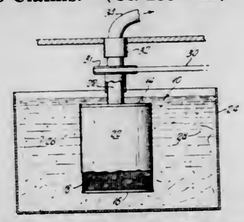
1. A ski binding comprising in combination with a ski, a binding plate rigidly attached to the ski, a toe clamp having a base plate movably mounted on the binding plate and adapted for rotation in a horizontal plane, means for normally resisting rotary movements of the base plate and a spring for forcing the base plate into holding engagement with the binding plate.

2,383,065
FLUID FILTER
Samuel K. Lehman, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 30, 1942, Serial No. 452,941
4 Claims. (Cl. 183—48)



4. A fluid filter comprising a base member having supporting means integral therewith, a fluid inlet and a fluid outlet formed on said base member, a first filtering housing containing a cleaning agent, a second filtering housing containing a drying agent, fluid conduits extending through said housings and in communication with each other at their adjacent ends, said conduits being apertured for affording fluid communication through said cleaning and drying agents respectively with said inlet and said outlet, whereby fluid may be continuously circulated through said agents in sequence, and means for mounting said filtering housings on said base member at opposite sides of said base member.

2,383,066
FILTER UNIT AND METHOD OF MAKING THE SAME
Paul F. McDermott, Martinsville, N. J., assignor to Johns-Manville, Corporation, New York, N. Y., a corporation of New York
Application March 25, 1943, Serial No. 480,467
5 Claims. (Cl. 183—44)



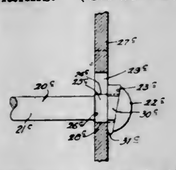
1. A filter for the removal of suspended particles from gases, said filter comprising a foraminous supporting member, a continuous mat of relatively fine mineral wool fibers with an interspersed binder in limited amount overlying said member and conforming to the surface contours thereof, and a substantially continuous mat of coarse mineral wool fibers overlying said first mat, the mats being interfelted at their zones of contact.

2,383,067
LUMINESCENT CAST SYNTHETIC RESIN ARTICLES
Maurice L. Macht, Jersey City, and Malcolm M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1942, Serial No. 450,078
5 Claims. (Cl. 252—301.3)

1. A composition for the production of luminescent cast synthetic resin articles, which com-

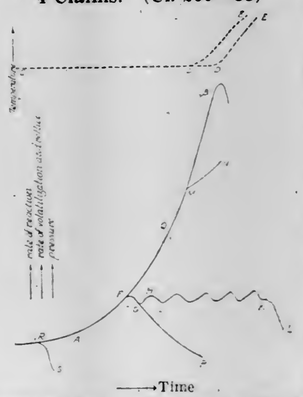
prises a luminescent pigment and finely divided polymerized methyl methacrylate suspended in a liquid polymerizable vehicle comprising a monomer from the group consisting of the esters of acrylic and methacrylic acids, said composition being pourable but sufficiently viscous to prevent the settling of the pigment during the casting of the composition.

2,383,068
BOLT AND MOUNTING THEREFOR
John A. MacLean, Jr., Winnetka, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1943, Serial No. 494,137
2 Claims. (Cl. 85—1)



1. A bolt comprising a shank threaded rearwardly from its forward end, a head at the rear end of the bolt presenting a forwardly-facing shoulder, a neck adjoining the head shoulder and having substantially parallel chordal flats, rearwardly-facing shank shoulders lying in a common plane and formed by the rear end of the shank at the forward ends of the flats, the plane of the aforesaid forwardly facing shoulder being oblique to the axis of the shank and the common plane of the shank shoulders being at a normal to the axis of the shank, and a U-shaped wedge-like retainer adapted to straddle the bolt neck, with the retainer legs extending alongside the neck flats, and to lie between the forwardly facing shoulder of the bolt head and the rear face of a plate through which the neck extends and against the front face of which the shank shoulders of the bolt bear.

2,383,069
POLYMERIZATION OF ETHENOID MONOMERS
Barnard M. Marks, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 23, 1940, Serial No. 347,084
4 Claims. (Cl. 260—83)

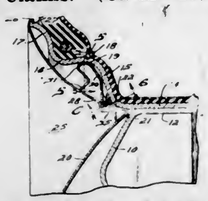


1. Process of polymerizing an aqueous suspension of a monomeric polymerizable organic liquid compound which is a solid at normal temperature in its fully polymerized state, in a reaction vessel provided with means for condensing and returning to said vessel volatilized material, which comprises initiating polymerization of said monomer and, thereafter until the completion of the polymerization reaction, abstracting heat from said suspension for a period sufficient momentarily to terminate the acceleration of the rate of said polymerization reaction whenever said polymerization reaction accelerates to a rate approaching that sufficient to cause clustering of the polymerizing compound due to an excessive rate of reflux.

2,383,070
DRY MILK PRODUCT AND THE PREPARATION THEREOF
Donald E. Mook, Perry, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1940, Serial No. 348,737
10 Claims. (Cl. 99—203)

1. A method of preparing an improved dry milk product comprising condensing a fluid milk product to produce a milk solids-not-fat content of at least about 20%, superheating said condensed milk product at a temperature above 160° F. for a sufficient time to produce a slightly toughened curd, and drying said condensed superheated milk product.

2,383,071
TRIM RING
William A. Mulhern, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 18, 1942, Serial No. 458,818
4 Claims. (Cl. 41—10)

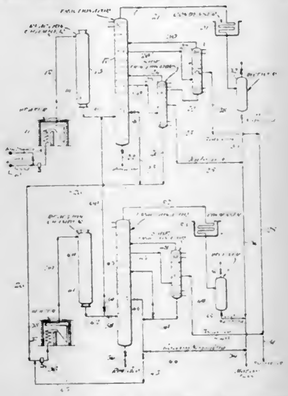


1. A collar adapted to be detachably mounted on a wheel assembly including a rim having a circumferentially extending ridge provided with convexed inner and concaved outer sides, said collar including an outer edge portion adapted to engage said rim, an inner edge portion adapted to abut said assembly and an intermediate shrouding part, and a locking ring engaged with said collar at said inner edge thereof and including a curved portion adapted to engage the concaved side of said ridge and operable when compressed thereagainst to thrust the inner edge of said collar against the assembly, and a plurality of bowed projections extending from said curved portion toward said intermediate part and adapted to engage therewith for yieldably opposing deflection of the locking ring during mounting of the collar.

2,383,072
PRODUCING TOLUENE
Alex G. Oblad, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 12, 1940, Serial No. 369,843
7 Claims. (Cl. 260—668)

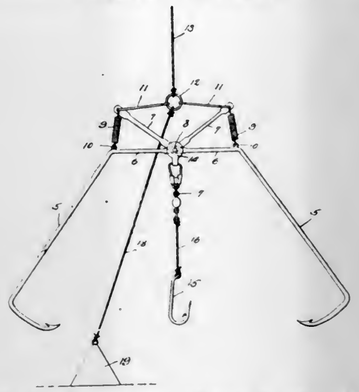
1. The process of making toluene from petroleum naphtha which comprises initially subject-

ing said naphtha to catalytic conversion in the presence of hydrogen and a hydrogenating-dehydrogenating catalyst under aromatizing conditions of temperature and pressure whereby said naphtha is substantially converted into a mixture of aromatic hydrocarbons containing toluene, xylene and heavier aromatics, fractionating said hydrocarbons and removing therefrom a toluene



fraction and a fraction heavier than xylene boiling chiefly in the range of about 146° to about 210° C., subjecting said heavier than xylene fraction to conversion in the presence of a porous, solid cracking catalyst at a high conversion temperature and a pressure of about 0 to 50 pounds per square inch gage, whereby additional toluene is produced and separating said additional toluene from the conversion products.

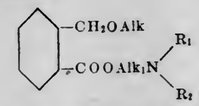
2,383,073
FISHHOOK
Thomas K. Oden and Ralph L. Wight, Sacramento, Calif.
Application June 1, 1944, Serial No. 538,228
1 Claim. (Cl. 43—37)



A fishing device comprising a pair of gaffs, arms formed at the upper ends of the gaffs, said arms having upwardly inclined end portions, the upwardly inclined end portion of one arm overlying the arm of the adjacent gaff in spaced relation therewith, coiled springs connecting the free ends of the upwardly inclined ends of the arms with the adjacent lower arms, normally holding the gaffs open, a bait hook secured between the gaffs, and means for connecting a line to said gaffs, and said gaffs being adapted to embed themselves in a fish caught on the bait hook, when the bait hook and line are pulled in opposite directions.

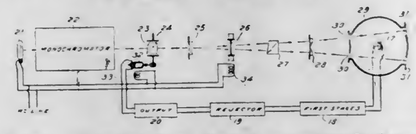
2,383,074
ALKAMINE DERIVATIVES OF o-ALKOXYMETHYL BENZOIC ACID
Robert P. Parker, Somerville, N. J., and Arthur J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 16, 1942, Serial No. 439,232
6 Claims. (Cl. 260—477)

1. A compound included in the group consisting of alkamine esters of o-alkoxymethyl benzoic acid having the formula:



in which Alk is an aliphatic hydrocarbon, Alk_1 is an alkylene, and R_1 and R_2 are included in the group consisting of aliphatic hydrocarbon radicals and radicals forming a portion of a saturated heterocyclic ring and salts thereof.

2,383,075
SPECTROPHOTOMETER
Orrin Weston Pineo, Milo, Maine, assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 29, 1942, Serial No. 441,031
4 Claims. (Cl. 88—14)

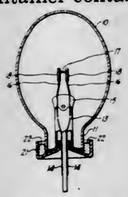


1. In a flickering beam spectrophotometer utilizing an integrating sphere and a source of illumination operated by alternating current which produces in the integrating sphere a spurious light pulsation of frequency higher than the flicker frequency resulting from operation of the flickering mechanism of the spectrophotometer, the integrated light from the integrating sphere being impressed on a photoelectric device capable of transforming the light pulsations into electric currents, said photoelectric device feeding a high gain audiofrequency vacuum tube amplifying means, the improvement which comprises a rejector circuit fed by the first stages of the amplifying means and followed by at least one amplifying output stage, said rejector circuit including at least one diode vacuum tube in series between the output of the preceding stage and the control grid of the succeeding stage, said diode being provided with a capacity and resistance circuit having a time constant greater than the period of a single cycle of the spurious signal and a grid leak for the control grid of the succeeding amplifying stage.

2,383,076
FLASH LAMP AND METHOD OF MANUFACTURE THEREOF
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 31, 1941, Serial No. 425,014
2 Claims. (Cl. 18—59)

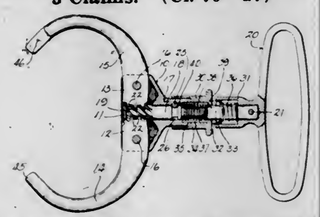
1. In the manufacture of a lamp comprising a bulb of organic plastic material and a mount

structure comprising a flanged stem tube having an exhaust tube depending therefrom, the steps which comprise assembling the mount and bulb with the stem tube telescoped in the bulb neck and with the lower end of the bulb neck and the adjoining stem flange located in an annular trough-shaped container containing a solvent for



the material of the bulb and with the exhaust tube extending through the central opening in the annular trough, whereby the bulb neck is softened by the solvent and shrunk around the stem flange, removing the assembly from the trough, and then pressing the softened neck portion into firm engagement with the stem flange.

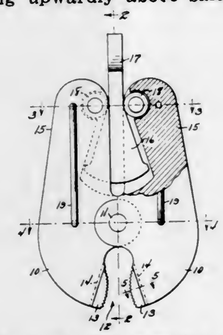
2,383,077
MANACLE
William M. Powell, Milwaukee, Wis.
Application December 6, 1941, Serial No. 421,881
3 Claims. (Cl. 70—17)



1. In a manacle having a frame and a pair of arms one of which is movable toward the other, a handle having a shaft extending axially revolubly through the frame and provided with connections to the movable arm for the operation thereof in the relative rotation of the handle shaft with respect to said arm, and a resilient torsion member connected to said handle and its connections and biased to cause relative movement between the handle and frame whereby to cause the arm to move to open position.

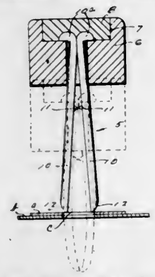
2,383,078
CLAMP
Floyd J. Pringle, Massena, N. Y.
Application February 26, 1944, Serial No. 524,055
3 Claims. (Cl. 294—116)

2. A device of the character described comprising companion jaws having inwardly projecting overlapped ears spaced upwardly from their lower ends and pivotally connected to mount the jaws for swinging movement to opened and closed positions, portions of said jaws above said ears constituting operating levers and having their inner side faces formed with longitudinally extending channels gradually reduced in depth towards their upper ends to provide sloping inner walls constituting upwardly converging cam surfaces, there being pockets adjacent upper ends of said channels, rollers rotatably mounted in said pockets and projecting into said channels, an upwardly tapered wedge between said levers having opposite side portions fitting within said channels and its side edge pieces bearing against said rollers, and said wedge having a shank at its upper end projecting upwardly above said levers and



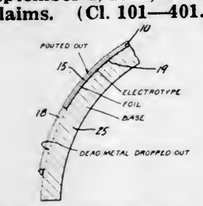
provided with means for engaging a suspension cable.

2,383,079
FASTENER
Albert V. Reed, Inglewood, Calif.
Application April 7, 1944, Serial No. 530,019
1 Claim. (Cl. 85—5)



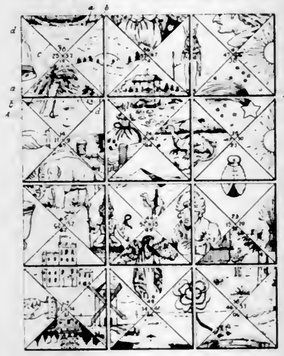
A fastener of the character described comprising a head structure, a pair of diverged leg members of spring material, said leg members being provided with portions embedded in the head structure, the intermediate inside portions of the leg members being provided with oppositely projecting contacting fulcrum points for maintaining the legs in diverged relation, the free ends of said leg members being rounded.

2,383,080
METHOD OF MAKING CURVED PRINTING MEMBERS
Frank E. Reilly, Chicago, and Chester Holsinger, River Forest, Ill., assignors to Electrographic Corporation, New York, N. Y., a corporation of Delaware
Application September 4, 1941, Serial No. 409,572
4 Claims. (Cl. 101—401.3)



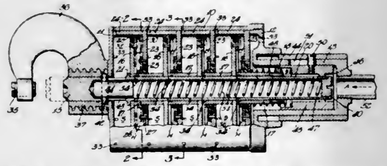
1. The method of producing curved printing members which comprises preparing a flat, relief printing plate, routing out certain non-printing areas, applying soldering foil to the back of the plate, curving the plate, securing the plate by said foil to a rigid curved base and thereafter cutting through the plate around the large non-printing areas so that these portions may be removed from the curved base.

2,383,081
ORACLE CARD GAME
Ruth Ribbe, Seattle, Wash.
Application September 14, 1942, Serial No. 458,261
6 Claims. (Cl. 273—157)



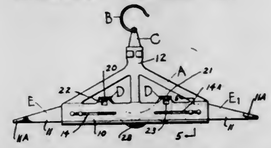
1. In a card game, a plurality of multisided cards, each of said cards having its face provided with a similar plurality of indicia-bearing divisions, each of said divisions having as one boundary an adjacent edge of the card, the indicia being of a nature to provide fragmentary mating portions upon one division of each of two cards only, whereby only such two cards may be arranged in edge juxtaposition to completely display such indicia.

2,383,082
RIVET SQUEEZER AND THE LIKE
Peter F. Rossmann, Snyder, N. Y.
Application June 30, 1942, Serial No. 449,191
4 Claims. (Cl. 78—42)



1. In a rivet squeezer, a housing forming a cylinder having a plurality of chambers, a plurality of pistons each movable within one of said chambers, a hollow piston rod extending into all the chambers and projecting from both ends of said cylinder, said piston rod having inlet port means connecting the inside thereof with said chambers on one side of said pistons, a rivet set at one of the projecting ends of said rod, a yoke carrying a cooperating riveting tool and secured to said housing, control means for admitting compressed air or fluid through said rod to said chambers, said control means comprising an adjustable valve member carried by an extension of said housing and cooperating with an inlet opening of and arranged at the opposite projecting end of said rod, and means to resiliently urge both said piston rod and said valve member to a predetermined starting position, whereby to normally interrupt the supply of compressed air or fluid to said chambers and to synchronize in a continual follow-up action the advance and return of said pistons with the adjusting movement of said valve member.

2,383,083
GARMENT HANGER
Jerome Hale Rotheraine, Philadelphia, Pa.
Application December 10, 1943, Serial No. 513,668
2 Claims. (Cl. 223—91)

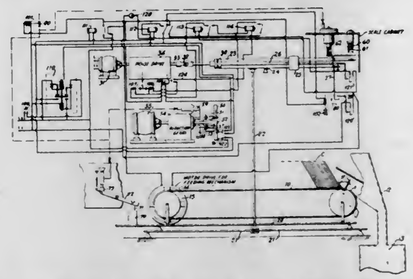


1. A garment hanger comprising coat supporting members fixedly connected together at their upper end, a pair of trouser or skirt clamping members integrally formed on said coat supporting member, said clamping members having a slot therein, a jaw at each end of each clamping member, means to lock said clamping members together, said locking means comprising a hook pivoted on one of said clamping members and the hook being adapted to engage said other member to close the members, each of said jaws having a semi-circular extension thereon at its free end, and means whereby each jaw may be extended, said means comprising a rivet on each jaw longitudinally movable in a slot in one of said clamping members.

2,383,084
TERPENE RESINS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 6, 1942, Serial No. 437,841
15 Claims. (Cl. 260—86)

1. A resinous product resulting from the copolymerization of an acyclic terpene having three double bonds per molecule, and an aromatic compound having attached to the aromatic nucleus an unsaturated aliphatic substituent containing not more than five carbon atoms and an atomic grouping selected from the group consisting of vinyl and vinylene groups, at a temperature between about −60° C. and about 200° C., in the presence of a catalyst capable of effecting the copolymerization of the reactants at the said temperature to form a resinous copolymer.

2,383,085
MATERIAL FEEDING APPARATUS
William Richard Schmitz, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 29, 1943, Serial No. 484,957
6 Claims. (Cl. 271—39)



1. In a controlled material feeding apparatus comprising a beam scale, a poise arranged to move

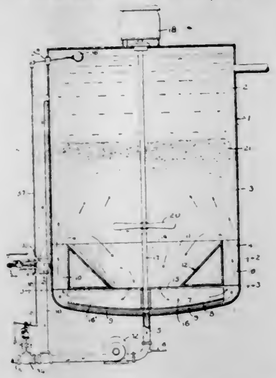
at a predetermined rate on the beam toward the fulcrum thereof to continuously urge the beam into unbalanced condition and a material carrier mounted on the platform of said scale and provided with means to discharge said material from the carrier, said means being operative to discharge material from the carrier in response to the unbalanced condition of the beam whereby to urge the beam into balanced condition, the improvement which comprises means for simultaneously stopping the movement of the poise and of the discharge means for a predetermined period of time sufficient to permit loading of the carrier, means for automatically resetting the poise to a point of balance corresponding to the load on the carrier, and means including an additional compensating weight added to the carrier immediately after the carrier is loaded operatively immediately after said predetermined period of time for discharging from said carrier an added amount of material to compensate for that amount which normally would have been discharged during a period equal to said predetermined period of time, said compensating weight being equal in weight to the additional amount of material to be discharged.

2,383,086

WATER TREATING APPARATUS

Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application July 9, 1942, Serial No. 450,263
7 Claims. (Cl. 210—16)



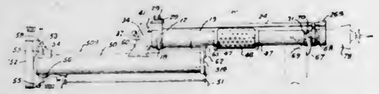
1. In a water treating and purifying apparatus, a receptacle having an inlet for raw water at the center of the bottom thereof, said receptacle providing a storage space for treated water in its top portion and a precipitation space below the storage space in which precipitation space foreign matter is precipitated from the water, an outlet for treated water from said storage space, a passage forming member of annulose form in said receptacle between the inlet and the precipitation space and located concentrically of the vertical axis of the receptacle with its outer periphery spaced inwardly of the wall of the receptacle to form an annular mixing passage discharging into the precipitation space, a raw water pumping impeller in said receptacle and positioned to receive at its inlet incoming water from said raw water inlet and to discharge it into said annular mixing passage, a slurry recirculation impeller in said receptacle located to receive slurry constituting water and precipitate passing through said passage-forming member from said precipitation space and to discharge said slurry into said mixing passage for mixing with water discharged thereinto by said raw water impeller, and means for operating said impellers.

2,383,087

COMBINATION MORTAR

Cleve F. Shaffer, San Francisco, Calif., assignor of thirty per cent to Martin C. Mogensen, Martinez, thirty per cent to Herbert W. Erskine, Piedmont, five per cent to Herman J. Fanger, Oakland, and five per cent to Henry Gruenhagen, Oakland, Calif.

Application August 11, 1941, Serial No. 406,301
5 Claims. (Cl. 89—1)



1. A military mortar including a barrel having a muzzle end for receiving an explosive projectile, and having its opposite end closed by a breech block, and having a firing pin in the breech block and a trigger for operating the firing pin, in combination with a casing adapted selectively to receive the mortar barrel therein and as a shoulder stock, said casing having an exterior buttress block intermediate its ends adapted for receiving thereagainst the bastion block of the mortar barrel, and a shoulder butt hingedly connected to the casing at an end portion, the said shoulder butt having a spring hook member adapted for lockingly engaging the bastion block when the mortar is within the casing and for lockingly engaging the casing body when the mortar is mounted on the exterior of the casing, the barrel of the mortar including adjacent its muzzle end a claw member for engaging an extraneous object for stabilizing the mortar barrel and absorbing recoil when the mortar is employed as a shoulder weapon.

5. A mortar comprising a unitary assembly of a barrel having a muzzle end for receiving an explosive projectile and being closed at its opposite end by a breech block having a firing pin and a trigger for operating the firing pin, in combination with a hollow casing having internal dimensions sufficient for receiving and enclosing the unitary barrel assembly, said casing having at one end a closure member adapted, selectively, as a shoulder butt and as a releasable closure member for said casing end, and said casing and said barrel assembly each having on the exterior thereof a plurality of relatively spaced releasable locking connecting means adapted for interengagement to releasably connect the barrel assembly and casing, one of said locking means being spaced intermediate the ends of the respective barrel and casing, whereby, when said plurality of locking means of casing and barrel are interengaged, an end portion of the barrel and an end portion of the casing overlap each other in locked engagement.

2,383,088

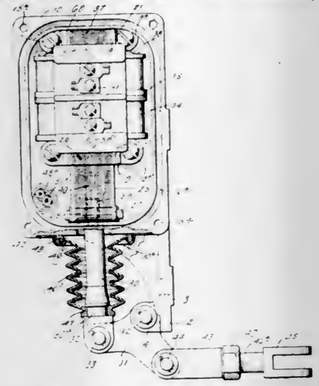
GUN FIRING SOLENOID

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application May 11, 1942, Serial No. 442,458
7 Claims. (Cl. 89—28)

5. In a solenoid structure, a housing, a removable water-tight cover plate therefor, a solenoid coil mounted in said housing, a terminal block

in said housing adjacent said cover plate, a cable receiving boss on said housing, a cable through said boss for connection to said terminal block, packing in said boss to form a water-tight joint between said cable and boss, a plunger slidably mounted in said solenoid coil, an actuating stem connected with said plunger, said housing having



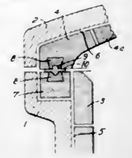
an opening through which said actuating stem extends to the exterior of said housing, means for sealing said actuating stem relative to said housing, a bell crank pivoted to said housing, said outer end of said actuating stem being pivoted to one arm of said bell crank, and an operating link pivoted to the other arm of said bell crank.

2,383,089

DEVICE FOR THE CONSTRUCTION OF TIGHT FLANGE JOINTS IN LINED APPARATUS

Casimir Theiler, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

Application March 26, 1942, Serial No. 436,375
In Switzerland January 16, 1941
4 Claims. (Cl. 138—63)



1. In a tight joint construction on a flanged hollow body made of material insufficiently resistant to chemical, mechanical and thermal influences, the inside of which flanged body is at least partially covered by a plurality of plates made of material resistant to chemical, mechanical and thermal influences, which cover plates are jointed together, means for sealing the joints including at least one seamless ring of set plastic material over-bridging the joints of the cover plates, said ring lying within alined recesses located in the cover plates of the flange.

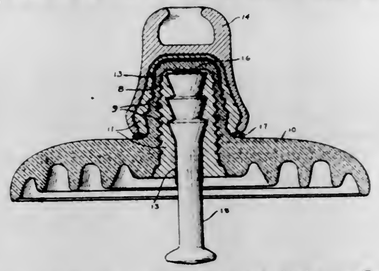
2,383,090

ELECTRIC INSULATOR

Julius J. Torok, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application September 25, 1941, Serial No. 412,319
3 Claims. (Cl. 174—196)

1. In an insulator assembly a transparent dielectric part having a head with a pinhole therein with a metal cap covering the head and a metal pin occupying the pinhole, a cement mixture in the space between the metal parts and the dielectric, a film of plastic material preventing direct contact of the cement mixture with the in-



sulator parts, and a film of light reflecting enamel covering the head portion of the dielectric to facilitate visual inspection of that portion of the dielectric arranged between the pin and cap.

2,383,091

METHOD OF MAKING HALOGENATED ETHERS

Walter J. Toussaint, South Charleston, W. Va., and Louis G. MacDowell, Jr., Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Original application December 12, 1939, Serial No. 308,820. Divided and this application December 17, 1942, Serial No. 469,358
10 Claims. (Cl. 260—615)

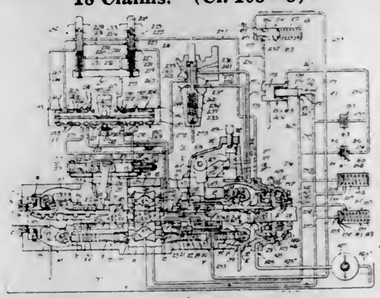
1. Method of making halogenated ethers by splitting carbon-to-oxygen-to-carbon linkages of aliphatic cyclic ethers containing at least two such linkages in a heterocyclic ring to form halogenated open chain ethers containing no more ether linkages than the number of carbon-to-oxygen-to-carbon linkages in said cyclic ethers, which comprises causing halogen and an unsaturated hydrocarbon to react with said cyclic ethers and separating said halogenated ethers from the products of reaction, said unsaturated hydrocarbon containing an ethylenic group, C:C in which each ethylenic carbon atom has at least one hydrogen atom attached thereto, and each valence not holding a hydrogen atom holding only an aliphatic carbon atom.

2,383,092

HYDRAULIC CIRCUIT

Gunnar A. Wahlmark, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois

Application September 15, 1941, Serial No. 410,860
18 Claims. (Cl. 103—5)



1. A pumping mechanism comprising, in combination a main pump, an auxiliary pump, for

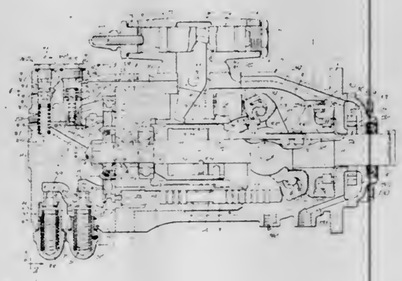
supplying make-up fluid to the main pump, and means for controlling the pressure of the make-up fluid, said last mentioned means being responsive to the pressure of the fluid discharged by said main pump for governing the pressure of the fluid discharged by said auxiliary pump.

2,383,093

FLUID PRESSURE GENERATING MEANS

Gunnar A. Wahlmark, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois

Application September 15, 1941, Serial No. 410,861
10 Claims. (Cl. 103—173)



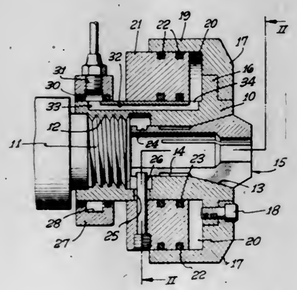
1. In a fluid device, a casing, a cylinder block having a plurality of annularly arranged cylinders therein, a piston reciprocable in each cylinder and projecting at one end therefrom, a shaft rotatably mounted concentrically of said cylinders, a wobbler on said shaft operatively engaging said pistons, said wobbler being adjustably mounted to vary the stroke of said pistons, and control means governing the adjustment of said wobbler including hydraulic means for placing a pre-load on said wobbler biasing the same toward no-stroke position including an annular piston member concentric with said shaft and movable longitudinally thereof, said member having an end edge disposed in a plane perpendicular to said shaft and adapted to engage said wobbler.

2,383,094

AIR CHUCK

Robert B. Walder, Los Angeles, Calif.

Application August 30, 1943, Serial No. 500,474
3 Claims. (Cl. 279—4)



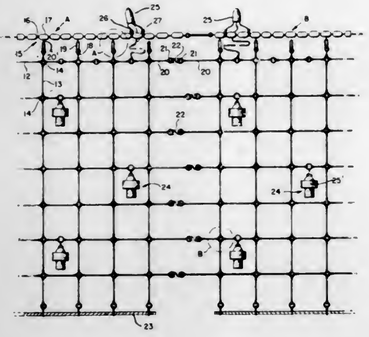
1. In a fluid pressure-actuated chuck: a hollow cylindrical chuck body provided with means for attachment to a driving spindle at one end and an outwardly tapered collet-receiving bore at the other; a nose piece carried by the chuck body, said nose piece including an outer cylindrical portion spaced from the outer surface of the chuck body; a cylindrical piston carried by and in slidable contact with the chuck body and the outer portion of the nose piece; a feeder ring rotatably carried by the chuck body; means for supplying pressure fluid to the feeder ring; an axial passageway in the chuck body provided with a radial port in communication with the feeder ring and a radial port in communication with the space between the piston and the nose piece; a collet within the chuck body, said collet being provided with a circumferentially extending race; a plurality of radial ports in the chuck body opposite said race; and pins carried by the piston and extending inwardly through said ports into said collet race, whereby said collet may be opened and closed in response to fluid pressure supplied to the feeder ring and the movement of the piston resulting therefrom.

2,383,095

SUBMARINE NET

David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 17, 1943, Serial No. 487,225
11 Claims. (Cl. 114—241)



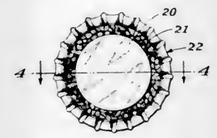
1. A submarine net comprising an upper line member having a plurality of float elements thereon, and a net structure attached along one of its extremities to and adapted to depend from said upper member comprising a plurality of net sections each including a multiplicity of wire bars arranged in polygonal formation, the side of each polygon of said formation comprising an individual wire bar, means universally shiftably connecting the adjacent extremities of the bars of each polygon together and to the extremities of the bars of adjacent polygons, weight means attached to said net structure along the opposite extremity thereof, and a plurality of parting clips connecting the upper sides of each section to said upper line member and connecting the lateral sides of said sections together, said parting clips being adapted to open when subjected to a predetermined strain for accommodating separation of one or more sections from the others of said net when a submarine contacts therewith.

2,383,096

CORK COMPOSITION AND PRODUCTS MADE THEREFROM

Albin H. Warth and Paul Grabus, Jr., Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application August 3, 1942, Serial No. 453,462
15 Claims. (Cl. 215—40)



3. A cork composition comprising granulated cork and granulated hollyhock pith material, and a binder.

2,383,097

BITUMINOUS COATING COMPOSITIONS AND PROCESSES

Bruce Weetman, Glenham, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application August 15, 1941, Serial No. 407,068
9 Claims. (Cl. 106—278)

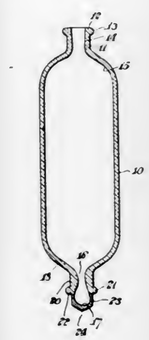
1. A process for coating mineral aggregate which comprises treating the aggregate with lime and coating the lime-treated aggregate with a bituminous cut-back in the presence of a phosphatide.

2,383,098

DOUBLE-MOUTHED BOTTLE

Frank H. Wheaton, Jr., Millville, N. J.

Application July 21, 1942, Serial No. 451,798
2 Claims. (Cl. 49—79)



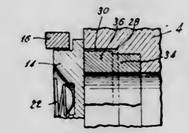
1. The method of forming a double mouthed bottle from a molded bottle having a mouth at one end only while having at the other end an elongated hollow neck closed by a removable tip with the internal surface of the bottle continuing in an irregular passage into the tip through the neck, which comprises molding such bottle, cutting away the tip transversely of the neck to expose an irregular aperture leading into the bottle, then reaming out the aperture to form a regular aperture opening as a mouth in the end of the neck to receive a stopper.

2,383,099

LUBRICATED GATE VALVE

William J. Wiehl, Roselle, N. J., assignor of one-half to Everlasting Valve Company, Jersey City, N. J., a corporation of New Jersey

Application July 30, 1943, Serial No. 496,759
1 Claim. (Cl. 251—18)



A gate valve comprising in combination, a casing enclosing a chamber and having alined inlet and outlet passages for fluid communicating with said chamber, a lever arm mounted in said chamber for pivotal movement about one end and provided with a recess at its other end, a valve disk carried in said recess for closure of said outlet passage in one angular position, a spring in said recess which, when the valve is closed, acts together with the pressure of fluid in the inlet passage and in the chamber to hold the valve disk in valve closing position, and a seat ring within the outlet passage, said seat ring having a shoulder portion, one end of which, together with the casing wall at the entrance to the outlet passage, provides a seating surface for the valve disk when the valve is closed and a shank portion secured for the major portion of its length in the outlet passage, the part of the outlet passage surrounding the shoulder portion of said seat ring being cylindrical and of a diameter such as to provide an annular space between the shoulder and walls of the passage, the length of such cylindrical part of the outlet passage being greater than the length of the shoulder of the seat ring so as to provide an annular trough at the base of the shoulder of the seat ring, said casing being provided with a passage for introduction of lubricant into said trough, whereby when the valve is closed lubricant delivered under pressure to the valve disk through said annular space from said trough acts upon the valve disk in opposition to said spring and to the pressure of the fluid in the inlet passage and in the chamber to lift the valve disk from the seat ring.

2,383,100

SLIPPER

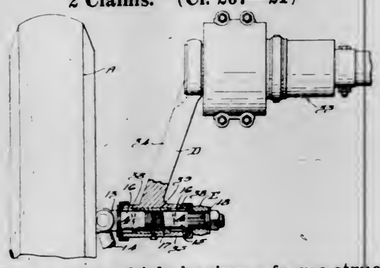
Isadore B. Witlin, Los Angeles, Calif.

Application February 21, 1944, Serial No. 523,269
8 Claims. (Cl. 36—9)



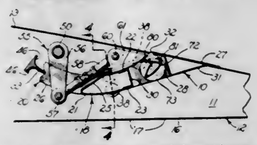
1. A slipper including, a body of fabric to receive a foot and including a bottom and an upper permanently secured together and a flap secured only at the heel portion of the body to overlie the bottom to completely cover it, and an insert to be arranged in the body under the flap and over the bottom, the insert being detachable from the body and forming a pad and stiffening element for the slipper.

2,383,101
WHEEL SUSPENSION FOR MOTOR VEHICLES
Harry T. Woolson, Detroit, Alexander G. Herreshoff, Grosse Pointe, Harold A. Hicks, Detroit, Glenn H. Parker, Royal Oak, and Raymond A. Wyatt, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application November 2, 1938, Serial No. 238,422, now Patent No. 2,270,572, dated January 20, 1942. Divided and this application May 31, 1941, Serial No. 395,994
2 Claims. (Cl. 267—21)



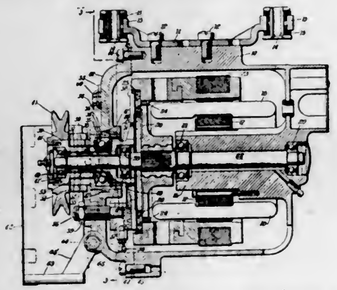
1. In a motor vehicle having a frame structure and a steerable ground wheel disposed adjacent thereto, an axle structure swivelly mounting said wheel and extending inwardly therefrom in a direction transverse to the vehicle, an arm structure pivoted to the frame structure having an end portion thereof adapted to receive said axle structure, spaced bearings journalling said axle structure in said end portion and adapted to transmit thrust from said wheel to said arm structure in a direction transversely to the axis of said axle structure, said bearings accommodating limited displacement of said axle structure in the direction of its axis relative to said arm structure, said axle and arm structures having interengaged threaded portions intermediate said bearings for thrust transmission from said wheel to said arm structure in a direction axially of said axle structure, said threads engaging with axial clearance sufficient to insure loading of said bearings for thrust transmission in the first mentioned direction while accommodating thrust transmission from said wheel to said arm structure in the second mentioned direction.

2,383,102
AERODYNAMIC MEMBER
Edward F. Zap, Los Angeles, Calif.
Application February 13, 1942, Serial No. 430,721
7 Claims. (Cl. 244—90)



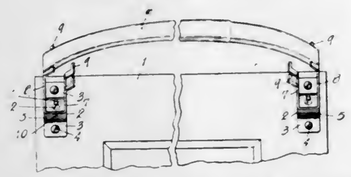
1. In an aircraft, the combination of: an airfoil having a hollow portion with an opening to the surface of the airfoil; an aerodynamic member mounted in said hollow portion, said aerodynamic member being movable along a path through said opening into the air stream outside the airfoil; actuating means to move said aerodynamic member along said path; means movably mounted on said aerodynamic member to present a deflection surface to the air stream thereby to create a force tending to move the aerodynamic member along said path; and means to move said deflection means relative to said aerodynamic member in accord with changes in position of the aerodynamic member along said path.

2,383,103
ELECTRIC POWER TRANSMITTER
George Abel, Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 9, 1943, Serial No. 478,531
8 Claims. (Cl. 192—18)



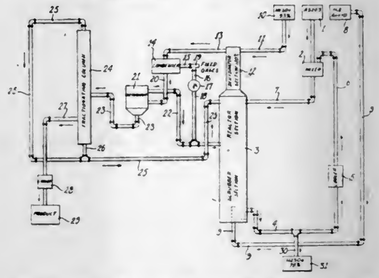
1. An electric transmitter comprising a hollow cylindrical frame having a tubular portion projecting into said frame from one end thereof, a stationary motor member mounted on said tubular portion, a shaft supported by said tubular portion, a rotary motor member carried by said shaft and having a driving clutch face, a driven clutch element also carried by said shaft, a bearing supported by said frame and externally embracing a portion of said driven element, and manual means for shifting said bearing to cause the driven element to move relative to the shaft and engage the driving clutch face of the motor member.

2,383,104
CURTAIN ROD OR DRAPERY FIXTURE
Archie A. Allen, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application December 27, 1943, Serial No. 515,769
1 Claim. (Cl. 248—263)



A curtain rod fixture comprising an outwardly curved strap-like base member terminating at its ends in attaching ears, the curved face of said base member having a plurality of transverse serrations of substantial depth, a U-shaped bracket member having parallel arms, the bight portion of said bracket member being curved outwardly to correspond to the curvature of said base and being vertically slotted and having a plurality of inwardly facing transverse serrations meshingly engageable with the serrations of said base member, the arms of said bracket member terminating in pairs of upwardly directed rod engaging lugs, the outer arm being substantially longer than the inner arm, and a screw engaged in said slot in said bracket and threaded into said base member for clampingly securing the bracket member in its adjusted positions.

2,383,105
PROCESS FOR MAKING ARSENIC CHLORIDE
Charles F. Booth, Anniston, Ala., assignor to Monsanto Chemical Company, a corporation of Delaware
Application December 14, 1942, Serial No. 468,911
14 Claims. (Cl. 23—98)



1. A process which comprises supplying a flowable slurry of arsenic trioxide and sulfuric acid to a reaction zone, flowing into said reaction zone a stream of hydrogen chloride gas, and producing thereby a reaction temperature sufficient to volatilize arsenic trichloride, thereupon passing said voltailized arsenic trichloride into contact with sulfuric acid substantially free of arsenic oxide and maintained at a temperature sufficiently high to prevent condensation of substantial amounts of said arsenic trichloride.

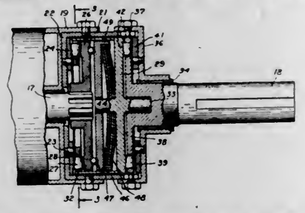
12. The process which comprises supplying a flowable mixture of arsenous oxide and sulfuric acid to a packed tower, reacting said arsenous oxide with gaseous hydrogen chloride and maintaining thereby a temperature in excess of 120° C. in said tower and simultaneously volatilizing therefrom arsenic trichloride, said mixture and said hydrogen chloride being passed through said tower countercurrently with respect to each other.

2,383,106
WETTABLE AND DISPERSIBLE THIOCARBANILIDE
Robert Ben Booth, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 10, 1944, Serial No. 548,931
12 Claims. (Cl. 252—61)

1. A dispersible thiocarbanilide comprising thiocarbanilide the individual particles of which are coated with a film of a sulfide promoter selected in the group consisting of organic esters of dithiophosphoric acid, xanthates and water soluble mercaptobenzothiazoles, the sulfide promoter being present in a minor proportion in comparison to the thiocarbanilide and the coating being sufficiently uniform to produce a product which is readily dispersible in water and in the pulp in froth flotation operations.

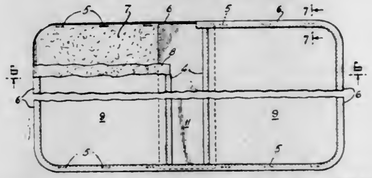
2,383,107
TRANSMISSION MECHANISM
Carl W. Cherry, Carmel, and Alex S. Mulligardt, Altadena, Calif.
Application January 18, 1943, Serial No. 472,802
21 Claims. (Cl. 74—302)

1. In a transmission of the character described, three substantially parallel disc elements, a plurality of roller members rotatably held in the central disc element so as to be in frictional engagement with the adjacent surfaces of the other two disc elements at the opposite sides of the center disc element, a transmission shaft connected to at least one of said outer disc elements, means to connect the center disc element to another transmission shaft so that the rotary motion caused by the rotation of the roller members is transmitted from one of said transmission



shafts to the other transmission shaft of said mechanism, adjustable means to substantially axially press the outer disc elements against said roller members, and antifriction bearing means interposed between said adjustable pressing means and the disc element against which it bears.

2,383,108
FIRE RESISTANT PORTFOLIO, DOCUMENT FOLDER, OR THE LIKE
Harold Cibert, Brooklyn, N. Y., assignor to Joseph Miller and Samuel Miller, both of New York, N. Y.
Application May 19, 1944, Serial No. 536,249
1 Claim. (Cl. 150—38)

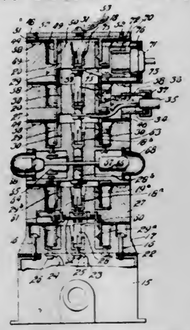


A document folder comprising two sections on opposite sides of a foldable center line, each section having a pocket whose confronting surfaces are composed of sheetings of closely fitting asbestos material, metallic staples securing together the side edges of said asbestos sheetings, said pockets having slit-like openings adjacent said center line, a covering for said asbestos material independently stitched to the edges of said pockets and covering said staples, and a narrow strip of said covering extending between said openings along the center line of said folder and having its edges extend at most for only a short distance within said pockets to conceal the asbestos when the folder is opened, whereby the staples hold said asbestos sheetings together to thereby prevent the separation of said asbestos sheetings and the consequent exposure of the contents to fire even while the covering and stitches are consumed by said fire.

2,383,109
ELECTRICAL APPARATUS
David Conlan, New York, N. Y.
Application December 5, 1942, Serial No. 468,176
5 Claims. (Cl. 173—334)

1. An attachment plug unit, comprising an insulating plug base, a set of sleeve contacts on opposite ends of said base, one having an internal diameter approximating the external diameter of the other, a set of pin and socket center contacts on the opposite ends of said base, companion screw elements on the contacts of one of said sets of contacts, the contacts of said sets of sleeve and center contacts being elec-

trically connected together and provided with wiring terminals, the wiring terminal for said sleeve contacts comprising a terminal lug struck out of the sleeve structure and providing an

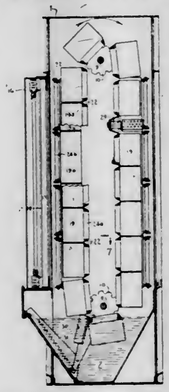


opening in the side of said sleeve structure for a wire to be extended to the wiring terminal for said center contacts and the plug base having an opening in the side of the same open to said wiring terminals.

2,383,110
SPONGE RUBBER PRODUCTS
Alfred Cooper, Croydon, England, assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 4, 1943, Serial No. 477,991. In Great Britain April 29, 1941
1 Claim. (Cl. 260—722)

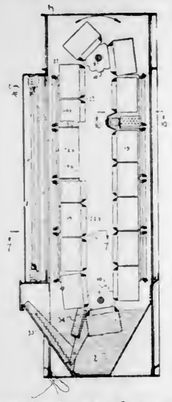
The process of manufacturing porous expanded rubber products which comprises first producing a vulcanized gas expanded cell tight structure; cutting the gas expanded cell tight structure to the desired final shape of any desired article, and thereafter submerging the vulcanized gas expanded cell-tight structure in boiling water and maintaining the water boiling until the cells become inter-communicating.

2,383,111
AUTOMATIC ELECTRICAL PRECIPITATOR
Verner Dahlman, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application March 18, 1943, Serial No. 479,665
13 Claims. (Cl. 183—7)



1. In an electrical gas cleaner: a series of spaced alternate precipitating plates of one electrical sign; means for moving the plates bodily along a path having gas-cleaning and filter-cleaning areas; a series of spaced intermediate precipitating plates of opposite electrical sign mounted in the gas-cleaning area to interleave the alternate plates as they pass bodily through said area, said interleaved plates cooperating to form gas passages therebetween; and means for establishing an electrostatic precipitating field in the gas passages between plates in the gas-cleaning area.

2,383,112
AUTOMATIC ELECTRICAL AIR CLEANER
Verner Dahlman, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application June 5, 1943, Serial No. 489,849
17 Claims. (Cl. 183—7)

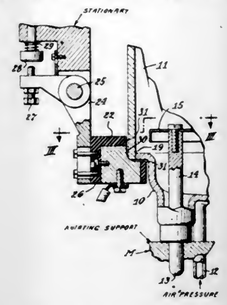


1. In an electrical gas cleaner having a frame and means on the frame prescribing a path of movement extending through a plate-wiping area: a plate assembly composed of a series of spaced parallel plate elements; a wiper assembly composed of a similar series of spaced parallel plate-wiping elements; means mounting one of said assemblies on the frame with its elements extending into said path at the plate-wiping area; means movably mounting the other assembly upon the frame for movement along said path with its elements extending into said path; the elements of both assemblies being so arranged in said path that the wiping elements interleave, and wipe the precipitating faces of, the plate elements during movement of the movable assembly through the plate-wiping area; and means for so moving the movable assembly.

2,383,113
MEANS FOR UNITING PARTS
Hampton Jennings Dailey, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1942, Serial No. 426,965
8 Claims. (Cl. 49—2)

1. A means for sealing a junction between glass parts of a bulbous enclosure to form a closed joint thereat, comprising means for making electrical contact with the glass contiguous to the junction and joint and at parts separated lengthwise of the junction and joint, said means having a surface portion for making surface contact with the glass on both sides of the

joint, and said means having electrically non-conducting areas toward the glass and forming

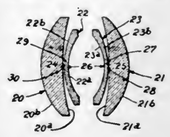


part of said surface for making guiding contact with the glass.

2,383,114
DETERGENT COMPOSITION
Truman E. De Villiers, Okmulgee, Okla., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 24, 1942, Serial No. 452,172
5 Claims. (Cl. 252—118)

1. A detergent mixture comprising approximately 30% of orthodichlorbenzene, approximately 20% of ethylene glycol monobutyl ether, approximately 15% of glycerin, approximately 7% of water, the remainder of the mixture consisting essentially of an ethanolamine oleate soap.

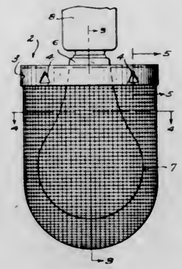
2,383,115
PHOTOGRAPHIC LENS
Milo A. Durand, Jackson Heights, N. Y., assignor to C. P. Goerz American Optical Company, a corporation of New York
Application April 17, 1943, Serial No. 483,368
8 Claims. (Cl. 88—57)



1. A photographic objective lens system comprised of at least four glass elements with spherical refracting surfaces, said elements being grouped in pairs axially spaced apart a distance greater than three-and-one-half per cent and less than thirteen per cent of the focal length of said system, the outer surfaces of the two outer elements having radii of between one-fifth and one-fourth of the focal length of said system and having inner surfaces the radii of which lie between one-half and two-thirds of said focal length, the refractive index of the two inner elements being less than 1.65.

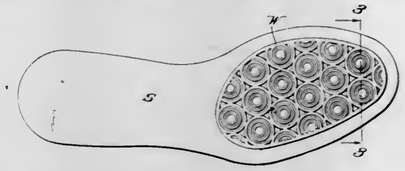
2,383,116
ELECTRIC LAMP SCREEN
Gunard H. Elg, Comfrey, Minn.
Application February 7, 1944, Serial No. 521,422
1 Claim. (Cl. 240—102)

An electric lamp screen comprising a substantially cup-shaped relatively resilient foraminous body of relatively fine mesh screen open at its top for the reception of a lamp, said body including a substantially rounded, integral bottom, and a top removably mounted on the body, said top having a circular, centrally located opening therein for the passage of the base of the lamp and adapted to seat on the neck portion thereof, said



top including a depending skirt for the reception of the upper portion of the body, and prongs struck inwardly from said skirt and adapted to penetrate the upper portion of the foraminous body for anchoring said body in said top.

2,383,117
TREADED SHOE SOLE AND HEEL
Abraham C. Fellman, Norfolk, Va.
Application December 18, 1942, Serial No. 469,431
1 Claim. (Cl. 36—59)

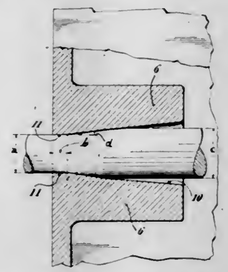


A shoe sole of the character described including a flexible base portion having a depression therein and extending throughout the major portion thereof, and a resilient tread portion secured within and filling said depression and being of a substantial uniform thickness throughout so as to extend outwardly beyond the plane of the base portion, said tread portion having a non-slipping surface-engaging face formed to provide a rit extending circumferentially therearound, and a multiplicity of independent surface gripping areas completely filling the space defined by said circumferentially extending rib, each of said independent areas being composed of a series of spaced concentric ribs, the outermost rib of each of said independent areas being disposed in contacting relation with at least two of the outermost ribs of the adjacent independent surface gripping areas so as to provide a vacuum producing area of substantially triangular configuration therebetween, whereby to afford a planar non-slipping surface gripping tread portion having a plurality of vacuum producing areas of substantially uniform depth and distribution throughout substantially the entire area of said tread portion.

2,383,118
METHOD AND MEANS FOR DRAWING WIRES
John T. Ferenci, Trenton, N. J.
Application February 18, 1943, Serial No. 476,260
3 Claims. (Cl. 205—21)

1. The method of drawing a wire which comprises pulling a wire of stock size in the direction

of its length while gradually increasing pressure upon the wire until the wire reaches the desired drawn size, the value of the angle of the conical portion of the drawing die in degrees being equal numerically to the difference in diameter between



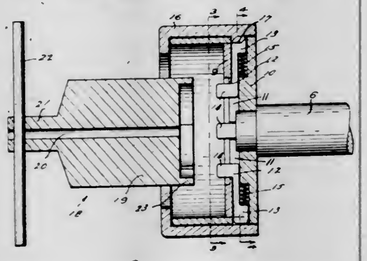
the entrance and exit sizes of the stock, and then maintaining uniform pressure upon the wire during a length of its passage which is proportional to the difference between said stock and drawn sizes.

2,383,119

DEMOUNTABLE ROTOR

Roy W. Ferris, Muskegon Heights, Mich.

Application April 4, 1944, Serial No. 529,522
3 Claims. (Cl. 287—53)



1. A demountable rotor comprising a hub forming drum having peripheral bayonet slots therein provided with outer ends opening onto one edge of the drum, a sleeve fitting over the drum, internal lugs on said sleeve fitting in the inner ends of said slots, and radial latches in said drum, spring pressed into said slots between said lugs and said outer ends of the slots, said latches being slidable to retract the same out of the slots.

2,383,120

PURIFICATION OF SULPHONATED PRODUCTS

William Alfred Fessler, Camillus, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

Application January 19, 1942, Serial No. 427,321
9 Claims. (Cl. 260—513)

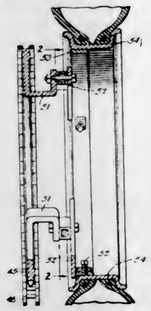
1. The method of improving an organic nitrosation-sulphitation product which comprises extracting impurities from the nitrosation-sulphitation product in an aqueous phase containing an emulsion breaker of the group consisting of water-soluble alcohols, ketones and ethers, normally boiling below 125° C., with a non-aromatic hydrocarbon liquid normally boiling between 50° and 150° C., the amount of the emulsion breaker being between ½% and 8% by weight of the aqueous nitrosation-sulphitation product.

2,383,121

WHEEL DRIVEN DISTRIBUTOR TRUCK

Allen R. Flink, Streator, Ill.

Original application August 6, 1941, Serial No. 405,637, now Patent No. 2,359,412, dated October 3, 1944. Divided and this application May 26, 1944, Serial No. 537,417
7 Claims. (Cl. 301—6)



1. In a truck adapted to be provided with a distributor for material, in combination, a truck wheel including a wheel rim, a ring adapted to be inserted freely into said rim, set screws on said ring adapted to secure said ring directly to said rim, chord members on said ring, a sprocket wheel, and means for mounting said sprocket wheel on said chord members to locate said sprocket wheel clear of said rim.

2,383,122

RUBBER OR PLASTIC ENCASED FLEXIBLE REINFORCEMENT OR FLEXIBLE MEMBER

Henry Ghez and Oscar Ghez, New York, N. Y.

Application May 19, 1942, Serial No. 443,648
6 Claims. (Cl. 36—32)



1. A resilient shoe sole including an elongated reinforcing member of normally stiff material having spaced slot portions extending alternately a distance from the two side edges in upon said member, and an elastic material encasing the outer edges or periphery of the same member and extending into the slot portions thereof so as to prevent undue distortion or breakage of said member and further having a sufficient marginal width about the member for stitching to an upper, while exposing the upper and lower surfaces of said member to view.

2,383,123

CATALYTIC PROCESS

Manuel H. Gorin, Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application September 24, 1941, Serial No. 412,108
3 Claims. (Cl. 260—683.4)

1. The process of catalytically treating gasoline to transform hydrocarbons therein into more desirable hydrocarbons for motor fuel use which comprises admixing a substantial portion of a light isoparaffin with a large bulk supply of the gasoline and dissolving aluminum bromide therein, leaving the aluminum bromide associated with

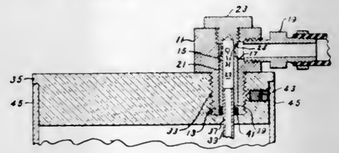
said gasoline isoparaffin mixture for a prolonged period of time while the gasoline is kept is bulk storage at usual atmospheric storage conditions whereby the desired improvement in the gasoline is effected, separating the gasoline boiling hydrocarbons from aluminum bromide remaining in solution, and recovering the gasoline boiling hydrocarbons.

2,383,124

CONNECTOR

Henry V. Harding, Royal Oak, Mich., assignor to Elox Corporation, a corporation of Michigan

Application October 13, 1943, Serial No. 506,119
4 Claims. (Cl. 174—21)



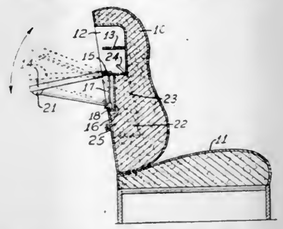
1. A connector comprising, a connector block, an externally threaded extension projecting from one end of said block, an aperture extending through said extension and block from end-to-end, a port connecting from said aperture and opening from one side of said block, internal threads in the end of the aperture remote from the extension, a connector bolt adapted to extend into the aperture through the connector block, external threads on said bolt for threadably engaging the threads in said aperture, a circumferential groove on said bolt adjacent the external threads thereon and adapted to connect into said port opening from one side of the block when the bolt is inserted into the block, a head on the end of the threaded portion of the bolt for turning the bolt into the block, a central aperture extending in said bolt and opening from the end which extends into the extended portion of the block, the opening end of the aperture in the bolt having a diverging side wall providing space for receiving packing for wedging and sealing around a pipe inserted into the end of the bolt for connection, and lateral passages opening from the central aperture into said circumferential groove.

2,383,125

RAILROAD SEAT

Joanna Hill, Bangor, Saskatchewan, Canada

Application May 13, 1942, Serial No. 442,795
1 Claim. (Cl. 155—123)



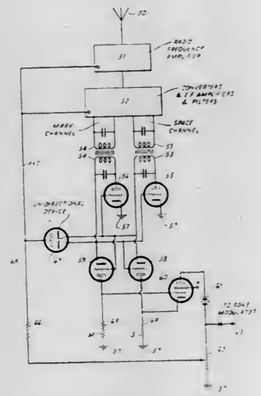
The combination with a railway car seat having a storage compartment in the rear face of the back, of a hinged cover secured to the lower edge of the compartment so as to fold upward to close the compartment, a pair of vertical posts mounted in channels formed in the back of the seat below said compartment, and supporting rods having one end hingedly connected to said cover adjacent its free edge and their opposite ends slidably adjustably mounted on said posts whereby said cover may be adjusted in various positions.

2,383,126

SPACED WAVE KEYING

"R" Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 8, 1943, Serial No. 493,846
18 Claims. (Cl. 250—8)



18. In apparatus of the class described, an amplifier of controllable gain responsive to wave energy keyed from a first frequency representing a first keying condition to a second frequency representing a second keying condition, two rectifiers for deriving from said wave energy a first current representing said first signalling condition, and a second current representing said second signalling condition, a circuit including a first impedance wherein said first current flows, a circuit including a second impedance wherein said second current flows, a gain control circuit coupling said impedances to said amplifier to control the gain thereof, and a bias supply tube having a control grid coupled to one of said first two impedances and having an output electrode in a circuit including an impedance, and connections including some at least of said last named impedance in said gain control circuit.

2,383,127

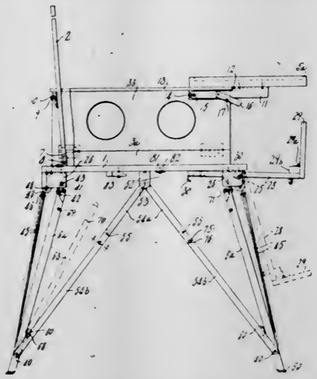
FOLDING HIGH CHAIR

Harold Howe, Rowayton, Conn.

Continuation of application Serial No. 385,395, March 27, 1941. This application June 26, 1943, Serial No. 492,365
6 Claims. (Cl. 155—148)

1. An infant's folding high chair having a seat, legs pivoted to brackets depending from said seat, and movable from extended position to a folded position parallel to the seat, leg rest means movable from a position of angular relation to said seat into a collapsed position between said folded legs and said seat, foot rest means when folded being spaced over said leg rest and hingedly related thereto so that when the leg rest is collapsed said foot rest is foldable into a plane adjacent the top of said seat, a back pivotally and slidably secured to said seat so as to be movable a short distance relatively thereto, in a vertical

plane, and adapted to be moved into a folded position in which it is superimposed on said folded over foot rest, and side arm members projecting upwardly from the sides of said seat and comprising rigid portions the height of which is substantially equal to the thickness of said super-



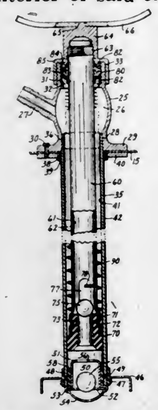
imposed back and foot rest, and portions hinged to said rigid portions and foldable over said superimposed foot rest and back portion and connecting means therebetween to hold said back rest and hinged side arm member in erect position.

2,383,128
ACETYLSULPHANILYL CHLORIDE
Martin Everett Hultquist, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 5, 1943, Serial No. 471,365
8 Claims. (Cl. 260—543)

1. A method of producing dry acetylsulphanilyl chloride from an aqueous slurry which comprises adding sufficient water immiscible inert organic liquid to the slurry to expel water out of the acetylsulphanilyl chloride, mechanically removing the major portion of the water and drying the resulting cake.

2,383,129
FIRE EXTINGUISHER
Roscoe C. Iddings, Edward R. Bork, and Horace G. Williams, Dayton, Ohio, assignors to The Fyr-Fyter Company, Dayton, Ohio, a corporation of Ohio
Continuation of application Serial No. 433,842, March 9, 1942. This application July 29, 1944, Serial No. 547,173
8 Claims. (Cl. 169—33)

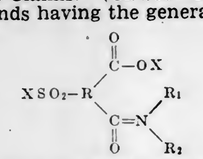
1. A fire extinguisher of the character described comprising a casing for receiving a quantity of fire extinguishing liquid, a discharge fitting fastened to one end of said casing, a metal pump cylinder extending through the end of said casing and having one end received within said fitting, said cylinder having an inner and an outer coating of enamel, means on the opposite end of said casing for supporting and securing the other end of said cylinder against movement relative to the casing, resilient protective members interposed between the enameled surface of said cylinder and said casing at each end thereof to prevent direct contact therebetween, a hollow metal piston rod extending through said discharge fitting, and means to operate said piston rod from the exterior of said casing, said piston



rod also having a rust resisting coating of enamel on its inner and outer surfaces.

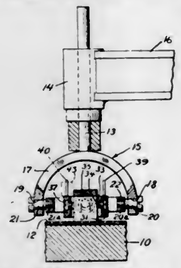
2,383,130
SULPHOPOLYCARBOXYLIC ACID MONOAMIDES AND THEIR PREPARATION
Alphons O. Jaeger, Greenwich, and Kathryn L. Lynch, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 7, 1942, Serial No. 429,946
10 Claims. (Cl. 260—513)

1. Compounds having the general formula



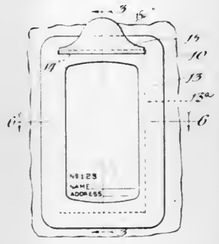
in which R is the residue of an aliphatic polycarboxylic acid, R_1 is a member of the group consisting of hydrogen, alkyl, and alkoxyalkyl radicals, R_2 is an alkoxyalkyl radical, and X is a member of the group consisting of hydrogen and salt-forming radicals.

2,383,131
APPARATUS FOR POLISHING OPTICAL FLATS
Paul Kirsch, Woodhaven, N. Y., assignor to C. P. Goerz American Optical Company, a corporation of New York
Application December 1, 1942, Serial No. 467,486
7 Claims. (Cl. 51—217)



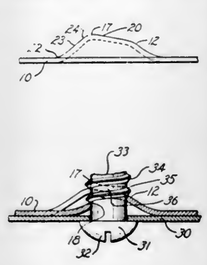
1. In apparatus for polishing prisms, a lap, a prism holder, a prism mounted in said holder and having a surface to be polished in contact with said lap, an oscillating arm, means connected to said arm and engaging said fixture for floatingly oscillating said fixture and the prism therein in contact with the surface of said lap, said holder having its mass so distributed that the contact pressure of the surface to be polished is substantially equal throughout the area of contact, and weight means adapted to be mounted on said holder for changing the distributed mass of the combination of said weight means and said holder, thereby changing the rate at which material is removed from corresponding portions of the surface of said prism.

2,383,132
WINDOW-SHIELD
William R. Kohl, Glenview, Ill.
Application October 1, 1941, Serial No. 413,104
4 Claims. (Cl. 206—44)



1. The combination with a container having a window opening, a mountable mask having an opening coextensive with the window opening in the body of the container, a transparency covering said window opening having a margin of attachment around the opening, the mask sealingly attached to the container body having an unsealed margin adjacent the opening in the mask, a transverse slot in one end of the mask adapted to permit the passage under said unsealed margin of a window closing shutter, a slidable window closing shutter.

2,383,133
METHOD OF FORMING FASTENING DEVICES
Harold W. Kost, Birmingham, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application January 31, 1942, Serial No. 429,030
4 Claims. (Cl. 113—116)



1. The method of forming a sheet metal structure or element for self-locking engagement by a screw comprising pressing a portion of the metal out of the normal plane of the sheet to produce an imperforate substantially frusto-conical protuberance with an end wall inclinedly disposed relative to the plane of the sheet and side walls inclining gradually from the end wall to the sheet, piercing a round hole in said end wall with the circumferential wall thereof disposed perpendicular to the plane of the sheet, radially slitting the protuberance from one edge of the hole at the highest point of the protuberance and in a direction radially thereof to a point adjacent the base of the protuberance, pressing the metal at one side of the slit in a direction toward the sheet so that a portion of the wall of the opening is formed into the inner or lower portion of a helix which extends progressively and uniformly to the outer or higher portion of the helix, and holding the edge wall of the opening perpendicular to the sheet during said last pressing operation.

2,383,134
PREPARATION OF SYMMETRICAL DIARYL HYDRAZINES
Harold T. Lacey, Plainfield, and Robert E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 18, 1943, Serial No. 502,977
2 Claims. (Cl. 260—569)

1. A method of producing 2,2′-dichlorohydrazobenzene which comprises reducing orthochlornitrobenzene to 2,2′-dichloroazoxybenzene by a reducing sugar and caustic soda and reducing the azoxybenzene thus prepared to 2,2′-dichlorohydrazobenzene by means of zinc and caustic soda.

2,383,135
STAPLE
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 4, 1943, Serial No. 489,641
13 Claims. (Cl. 85—49)

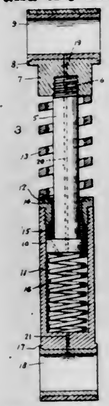


1. A sheet metal staple of the tilt-top type having a head portion and having two legs, one of which is attached to each side of the head portion intermediate the top and bottom thereof, the top of each leg being downwardly and outwardly sloped, there being a perforation through the staple downwardly and inwardly from each of said sloped portions, the perforations being at the juncture of the legs and the head.

2,383,136
DOUBLE-ACTION PISTON ROD
Roy C. Laurain, Dearborn, Mich.
Application July 20, 1943, Serial No. 495,508
1 Claim. (Cl. 74—582)

A piston rod structure comprising a barrel having a bushing at one end thereof, a rod slidably disposed in the bushing and provided at one end with a head in the barrel, a bearing at the other end of the rod, a compression spring interposed between the bearing and the bushing, and means in the barrel acting on said head comprising a spring interposed between the bushing and the head of the rod and weaker than the

first-mentioned spring, and a spring interposed between the head and the other end of the bar-

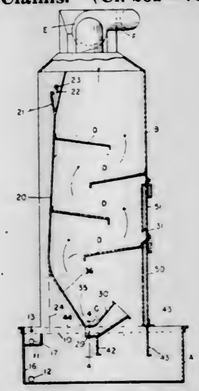


rel weaker than the first-mentioned spring and stronger than the second-mentioned spring.

2,383,137
ACETYLATION OF CYANOHYDRINS
Hans Z. Lecher, Plainfield, and James Kenneth Dixon, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 5, 1939, Serial No. 307,584
16 Claims. (Cl. 260—464)

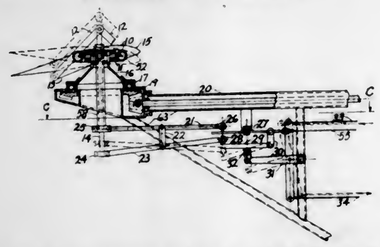
1. A method of producing acetic acid esters of cyanohydrins included in the group consisting of α,α' and α,β cyanohydrins which comprises subprises subjecting the cyanohydrin to reaction with ketene.

2,383,138
AIR CLEANER
John E. Ludwig, Sr., Detroit, Mich., assignor to David-Ludwig Company, Detroit, Mich., a corporation of Michigan
Application February 1, 1943, Serial No. 474,361
2 Claims. (Cl. 261—76)



1. In an apparatus for removing particles from particle laden air, the combination with a tank for water, an upright casing rising from said tank, the lower end portion of one upright wall of said casing inclining inwardly toward the center of said casing, and means for maintaining the water in said tank at a predetermined level, of means at the lower end of the inwardly inclined end portion of said casing forming an open ended imperforate duct through which particle laden air from outside the casing may enter said casing, the inlet end portion of said duct being substantially straight and being partially submerged in water in the tank so that said inlet portion will constantly contain water to be commingled in said duct with particle laden air passing therethrough, the outlet end portion of said duct being also substantially straight, said outlet portion inclining upwardly from said inlet portion and discharging toward an opposite upright wall of said casing, means carried by said upright casing above said duct for creating suction in said duct so that particle laden air will be drawn through the duct into the casing and water in the inlet portion of the duct will be drawn upwardly in said duct to be commingled with the particle laden air as it is drawn through the duct as aforesaid, and means cooperating with the duct to prevent particles floating on the water in the tank in rear of said duct from reaching the area of water in front of the inlet end portion of said duct, including a substantially vertical baffle projecting down within the water in the tank from the underside of said duct and terminating short of the bottom of said tank.

2,383,139
AIRCRAFT
Cecil E. McGuire, Douglas, Ariz.
Application August 12, 1943, Serial No. 498,339
3 Claims. (Cl. 244—17)



3. In a helicopter rotor, a rotatable hub, universal joint means secured to said hub, symmetrically disposed blades mounted on and extending radially from said universal joint means, said blades being arranged to pivot about their longitudinal axis, a hollow, normally vertical axle connected to and extending through the center of said universal joint means, a longitudinally displaceable shaft extending through said axle, the extremities of said shaft extending beyond the ends of said axle, means interconnecting the top of said shaft and said blades, whereby relative motion of said shaft will cause said blades to pivot about their longitudinal axes for pitch variation, means for swinging said axle out of vertical position to effect tilting of the plane of rotation of said blades, and means for displacing said shaft upwardly and downwardly with relation to said axle.

2,383,140
LOOM REED
Virgle Franklin McLane and Samuel Fuller McLane, Gaffney, S. C., assignors to Southern Loom Reed Manufacturing Company, Inc., Gaffney, S. C., a corporation of South Carolina
Application March 26, 1945, Serial No. 584,922
4 Claims. (Cl. 139—192)

2. A loom reed having splits and a pair of half round members fitting against the edges of the

splits, a pair of end bars having their ends fitting between the ends of the half round members and provided with shoulders adjacent the proximate surfaces of two pairs of half round mem-



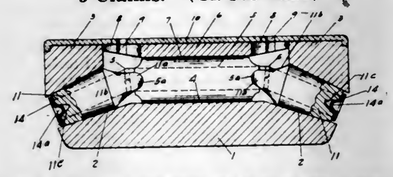
bers, and metallic caps each having a pair of slots therein for fitting over the ends of the half round members and receiving the end bars within said slots.

2,383,141
WING NUT
Alfred E. Maage, Jr., Milwaukee, Wis.
Application February 23, 1943, Serial No. 476,816
4 Claims. (Cl. 85—32)



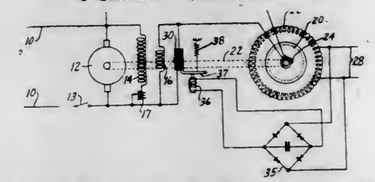
1. A sheet metal nut comprising a stamping formed to include, a body portion having a centrally disposed threaded opening to receive a bolt, an upstanding marginal edge on said body portion, a pair of flat portions formed on said upstanding marginal edge, a wing extending upwardly and outwardly from one of said flat portions, a second wing extending upwardly and outwardly in a direction opposite to said first named wing from the other of said flat portions, said wings and flat portions providing pressure areas adapted to be utilized for manipulating said nut on the bolt.

2,383,142
ROLLER BEARING
Nicholas Medved, Cleveland, Ohio
Application November 26, 1943, Serial No. 511,830
3 Claims. (Cl. 308—214)



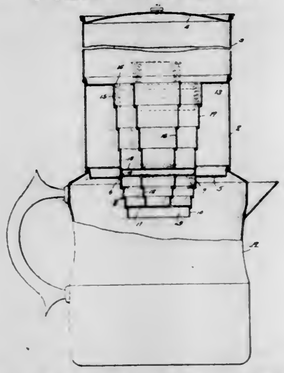
1. In a roller bearing of the class described, in combination, an inner sleeve provided with end raceways or cones and a straight raceway between said end raceways, end cups having outer raceways spaced from the raceways or cones of said sleeve, an outer sleeve intermediate said end cups and having a straight raceway parallel to and spaced from the straight raceway of the inner sleeve, cylindric rollers intermediate the outer sleeve and the inner sleeve for resisting radial loads, tapered rollers at the ends of the cylindric rollers and disposed between the raceways of the end cups and the cones or raceways of the inner sleeve, said cylindric rollers being formed with spherical sockets in their end portions, and the said tapered rollers having at their inner ends spherical bearing members, the inner ends of the tapered rollers being provided with end extensions symmetrically tapered from the inner extremities of their peripheral portions to the spherical bearing members which virtually form the ends of said extensions, so that the body of the tapered rollers merges from the inner bearing periphery to the spherical bearing members to ensure uniform hardening, said inner end bearing members of the tapered rollers being seated for bearing engagement in the bearing sockets in the ends of the cylindric rollers.

2,383,143
REGULATING MECHANISM
Thomas W. Moore, Dayton, Ohio, assignor to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application August 15, 1942, Serial No. 455,011
6 Claims. (Cl. 171—119)



1. A control system of the character described which comprises a drive motor adapted to be energized from a source of direct current, said motor having main and auxiliary shunt field windings, an alternator driven by said motor, said alternator having a field winding adapted to be energized from said source and connected in series with said auxiliary motor field, a variable resistor connected in parallel with one of said series connected field windings for effecting control thereof in inverse relation to each other, means for deriving a characteristic responsive to the voltage generated by said alternator, and means controlled by said characteristic for effecting variation of said variable resistor to regulate the output voltage of said alternator.

2,383,144
COFFEE MAKER
Ralph H. Moore, Pasadena, Calif.
Application September 24, 1943, Serial No. 503,702
3 Claims. (Cl. 99—285)



1. In a coffee maker the combination with a coffee-pot and a coffee container thereon having a perforated bottom, of a coffee-measuring

device carried by said bottom and including telescopically connected coffee-measuring sections, one of said sections having a perforated bottom movable into and out of position flush with the perforated bottom of the container, and means for directing water onto the contents of the coffee-measuring sections.

2,383,145
CHEWING GUM BASE
Joe E. Moose, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 31, 1944, Serial No. 528,951
18 Claims. (Cl. 99—135)

1. A chewing gum base comprising a terphenyl, a vinyl resin selected from the group consisting of polyvinyl acetate and polystyrene and a wax.

2,383,146
LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 10, 1942, Serial No. 450,417
10 Claims. (Cl. 252—42)

1. A lubricant consisting essentially of a dialkyl oxalate having dissolved therein a small proportion of an extreme pressure agent sufficient to impart extreme pressure properties thereto.

10. A lubricating grease comprising aproximately 6% of lithium stearate, the remainder of the grease consisting essentially of a dialkyl oxalate.

2,383,147
LOW TEMPERATURE GREASES
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application August 27, 1942, Serial No. 456,365
5 Claims. (Cl. 252—36)

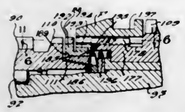
5. A low temperature blended grease comprising a blend of about 70% to 90% of a mineral oil grease containing from about 86% to about 96% of a mineral lubricating oil, from 4% to about 12% of a lithium soap and from 0.5% to 3% of an aluminum soap, with approximately 30% to 10% of an ester grease containing approximately 93% of an alkyl ester selected from the group consisting of alkyl acetyl ricinoleates, alkyl lactates, alkyl benzoates, and dialkyl oxalates, about 6% of a lithium soap and about 1% of an aluminum soap.

2,383,148
PROTECTIVE GREASE
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application June 3, 1943, Serial No. 489,444
7 Claims. (Cl. 252—19)

1. A protective grease for coating and protecting the mechanical equipment and other exposed metal parts on the outside of a submarine, comprising approximately 68% of crude petrolatum, approximately 8% of a lithium soap, approximately 2% of aluminum soap, a small proportion of a lead soap, and approximately 20% of finely divided metallic lead.

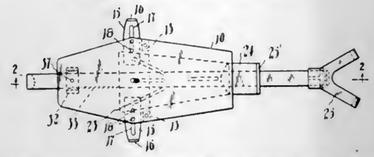
3. A protective grease coating composition for coating exposed mechanical equipment and other metal parts, comprising from about 9% to about 11% of lithium stearate, approximately 2% of aluminum stearate, a small proportion of a lead soap, the remainder of the composition being essentially crude petrolatum.

2,383,149
POWER TRANSMISSION
Carl A. Neracher, William T. Dunn, Teno Iavelli, and Augustin J. Syrovy, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application May 15, 1940, Serial No. 335,310. Divided and this application June 17, 1941, Serial No. 398,453
5 Claims. (Cl. 192—53)



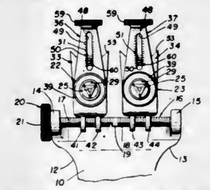
1. In a motor vehicle drive having a rotatable driving structure adapted to receive drive from the engine and a rotatable driven structure adapted to transmit drive from the driving structure for driving the vehicle, teeth drivingly connected to one of said structures, a shiftable clutching member carrying a set of teeth adapted to positively clutchingly engage the teeth of said one structure, the shiftable teeth comprising a plurality of circumferentially spaced pairs of blocker-engaging teeth, one tooth of each pair extending axially beyond the other tooth of such pair in the direction of clutching shift of said clutching member thereby defining relatively long and short teeth respectively, a blocker member carrying a set of blocker teeth each tooth thereof being adapted for blocking engagement with said blocker-engaging teeth of the shiftable member, means drivingly connecting one of said sets of teeth with the other of said structures, means drivingly connecting said sets of teeth together with rotative clearance to accommodate limited relative rotation therebetween, means for causing said one of said sets of teeth to rotatably lead the other of said sets of teeth when the driving structure rotates faster than the driven structure and to rotatably lag said other set of teeth when the driving structure tends to rotate slower than the driven structure, the blocker teeth being so arranged with respect to the pairs of blocker-engaging teeth that when the said leading-and-lagging sets of teeth leads or lags the other of said sets of teeth as aforesaid each of the blocker teeth will lie in the path of shift of the relatively short and long teeth respectively of each of said pairs of blocker-engaging teeth, means for urging clutching shift of said shiftable clutching member, the pairs of blocker-engaging teeth being of such relatively different lengths as aforesaid such that when the driving structure coast down from a speed faster than that of the driven structure while the shift means urges clutching shift of said clutching member the blocker member will rotate relative to the shiftable member until the blocker teeth engage the sides respectively of the axially extending portions of the relatively long teeth of said pairs to accommodate clutching shift of said clutching member into engagement with the teeth of said one structure accompanied by passage of the blocker teeth relatively between the pairs of blocker-engaging teeth respectively and such that when the driving structure speeds up from a condition tending to rotate slower than the driven structure while the shift means urges clutching shift of said clutching member the blocker member will rotate relative to the shiftable member to disengage the blocker teeth from the relatively long teeth of said pairs and engage the relatively short teeth of said pairs thereby maintaining the clutching member blocked against engagement with the teeth of said one structure, the teeth of at least one of said pairs of blocker engaging teeth being bridged to provide an abutment adapted for engagement with a tooth of said one structure during the aforesaid clutching shift of said clutching member.

2,383,150
SHOESHINE FIXTURE
James G. Nevin, Toronto, Ontario, Canada
Application April 15, 1944, Serial No. 531,161
3 Claims. (Cl. 15—267)



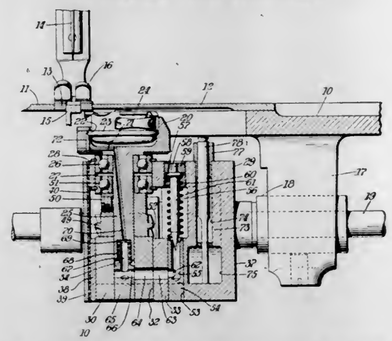
1. A shoeshine fixture comprising a top plate for supporting the sole portion of a shoe, ears slidably mounted at the sides of the top plate for movement to and away from each other, a subtending cam plate mounted for reciprocal movement longitudinally of the top plate, said cam plate having cam surfaces arranged to cause said ears to move inwardly to clamp the sole portion of the shoe when the cam plate is urged forwardly, an abutment plate for engaging the front wall portion of the shoe-heel, said abutment plate being secured to the cam plate for unitary movement therewith a forwardly slidable heel rest having upwardly directed lugs for engaging the rear wall portion of the shoe-heel, a pull rod for urging the heel rest forwardly to cause the heel of the shoe to abut said abutment plate and thus urge the cam plate forwardly, and means for locking the pull rod against retraction so as to retain the heel rest in any position to which it may be advanced.

2,383,151
SAW FILING DEVICE
Michael Orskog, Elmwood Park, Ill.
Application April 6, 1942, Serial No. 438,555
7 Claims. (Cl. 76—36)



1. In a sharpening device of the character described, the combination with a handle member, of a screw journalled on said handle member, threads of opposite pitch on said screw rod file holder mounts threadedly connected to said screw rod, file holders rotatively connected to said mounts, means for fastening said holders in any position of rotary adjustment relative to said mounts, angular guides fixed to said file holder mounts, and guide tripping means mounted for displacement along a predetermined path within the limits of said angular guides to determine the limiting angle set for said file holder mounts.

2,383,152
LUBRICATING DEVICE FOR SEWING MACHINE LOOP-TAKERS
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 21, 1943, Serial No. 515,083
17 Claims. (Cl. 112—256)

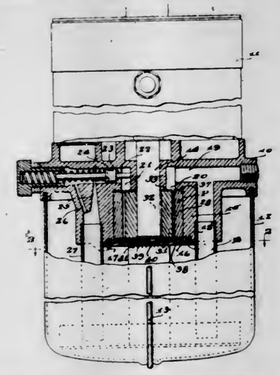


1. A loop-taker mechanism for sewing machines, comprising, a chambered casing providing a lubricant-reservoir cavity, a vertical-axis shaft rotatably journaled in said casing and longitudinally provided with a lubricant-duct having its lower end forming a lubricant-intake opening, said lubricant-duct being upwardly inclined away from the rotation axis of said shaft, a loop-taker carried by the upper end of said shaft and having a thread-carrier raceway, lubricant-conducting connections between the upper end of said lubricant-duct of the rotary shaft and said raceway, a stationary lubricant-conduit having lubricant conducting connections with the intake opening of said lubricant-duct of the shaft, said stationary conduit having an intake opening disposed above the level of the intake end of said lubricant-duct of the shaft and above the level of the supply of lubricant in said reservoir cavity, and means automatically rendered effective upon initiating rotation of said loop-taker for supplying lubricant from said reservoir-cavity into the intake opening of said stationary conduit.

2,383,153
SEALING DEVICE FOR INTERNAL GEAR PUMPS
John B. Parsons, Toledo, Ohio
Application October 7, 1943, Serial No. 505,304
1 Claim. (Cl. 103—126)

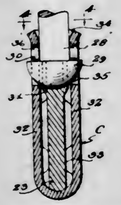
Pump sealing means comprising in combination, a housing having a cylindrical cavity provided at one end with inlet and outlet passages, mating toothed pump rotor members arranged one within the other, the outer rotor having an annular periphery providing a rotating fit with the walls of said cavity, shaft means projecting into one end of said housing and secured at its inner end portion to the inner of said rotor members for driving said rotors in eccentric relation to each other for creating expanding and contracting chambers thereby to force fluid under pressure from the inlet to the outlet passage, said rotor members being spaced slightly from the opposite end of said cavity to provide a pressure space, a flexible plate of sheet material disposed in said pressure space and abutting against the

adjacent surface of both rotors, pressure fluid being adapted to pass between said plate and rotors and about the edges of said plate to said pressure space said plate having an imperforate region covering such area of the rotors creating said expanding and contracting chambers, said plate being sufficiently thin to enable the fluid pressure within said pressure space to cause the same to effect a sealing relation with the end



faces of the rotors adjacent thereto, said plate being of such shape and dimensions relative to the side walls of said cavity as to maintain said region in position to cover said area, and means for normally holding said plate in abutment with said pump rotor members.

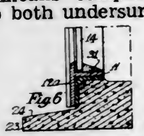
2,383,154
FASTENING DEVICE
John B. Parsons, Toledo, Ohio
Application November 20, 1943, Serial No. 511,191
2 Claims. (Cl. 287—91)



1. A coupling between two structural elements, one of said elements having a substantially semi-spherical end portion, comprising a substantially U-shaped clip embracing a portion of the other of said elements, opposite side portions of said U-shaped clip having transversely aligned holes of substantially circular configuration receiving the semi-spherical end portion of said one element, at least one side of said U-shaped clip having integral means at the edge of the opening therein extending to and constituting a fulcrum for the chord of said semi-spherical end portion aforesaid, the engagement of said fulcrum with said semi-spherical portion being such as to preclude displacement of said semi-spherical end portion from said aligned holes.

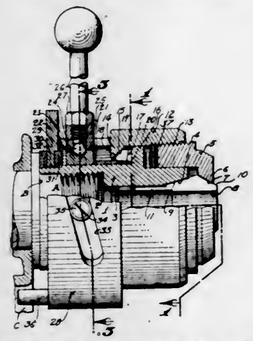
2,383,155
SEAL FOR WINDOW SASH
Harold T. Peirson, Brooklyn, N. Y.
2 Claims. (Cl. 189—75)
Application July 21, 1941, Serial No. 403,388

1. In combination with a metallic window frame having a sill member of substantially right angle cross section, and a sill to receive the sill member, of means for sealing the joint between the sill member and sill against corrosion and infiltrations, said means comprising a strip of asphalt affixed to both undersurfaces of the sill



member by an adhesive, the asphalt strip having a V formed adjacent the center thereof whereby the same is adjustable to different sizes of sill members.

2,383,156
COLLET CHUCK
Ellsworth B. Phillips, Los Angeles, Calif., assignor of fifty per cent to Florian Trinajstrich and fifty per cent to Ludwig Trinajstrich, both of Los Angeles, Calif.
Application February 28, 1944, Serial No. 524,318
6 Claims. (Cl. 279—50)

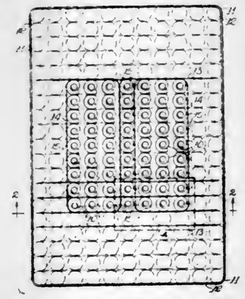


1. A collet chuck, comprising: a tubular mandrel adapted to be mounted on a lathe spindle; a sleeve structure slidable on said mandrel and including an internal flange overhanging the end thereof; means incorporating said flange and end of said mandrel for radially compressing a collet positioned therebetween upon axial movement of said sleeve onto said mandrel; cam segments mounted around said mandrel and within said sleeve structure and movable radially outward to cause said axial movement of said sleeve; a spreader ring axially slidable between said mandrel and said cam segments to urge said segments radially outward; an actuator ring; a thrust bearing between said actuator ring and said spreader ring; a housing around said rings, and fixed against rotation; and helically arranged cam and rider means connecting said housing and actuator ring to effect longitudinal movement of said actuator ring and spreader ring upon arcuate movement of said actuator ring.

2,383,157
SPRING CONSTRUCTION FOR MATTRESSES AND THE LIKE
Chester A. Pink, Chicago, Ill., assignor to The Englander Company, Inc., a corporation of Delaware
Application October 13, 1941, Serial No. 414,801
3 Claims. (Cl. 5—248)

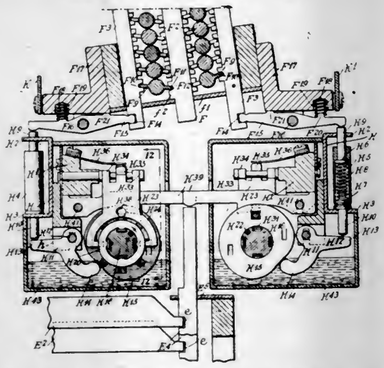
2. In a spring system for spring mattresses or the like, the combination of a plurality of springs alined in longitudinally and transversely similar springs arranged in the same plane to provide a flat supporting surface and having the

extending rows, means for connecting said springs into a unitary structure including border supporting means and transversely extending resilient ties connecting the springs in adjoining rows together, a pair of subdividing frames located on said supporting surface and disposed one on each longitudinally divided half of the system, said frames being flexible wire loops



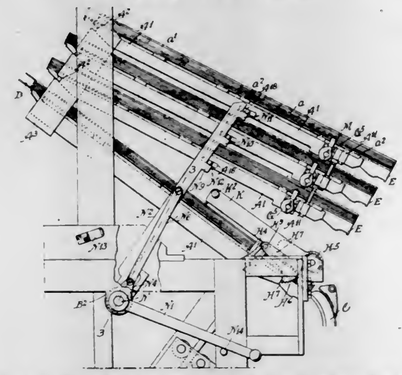
dimensioned to encircle a plurality of springs and to extend along the edges of predetermined lines of springs inwardly of said border supporting means, and means for directly connecting said frames to each of the springs in said predetermined lines of springs, the adjacent sides of said frames being directly connected respectively with opposite sides of the innermost or central line of springs.

2,383,158
TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINE
James C. Plastaras, Laurelton, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application September 24, 1941, Serial No. 412,144
141 Claims. (Cl. 199—20)



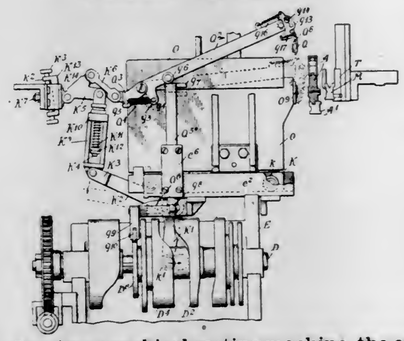
1. In a typographical composing machine equipped with two superposed magazines, one containing a set of matrices occupying certain channels according to character, and the other a set of matrices occupying differently located channels according to character, and with escapement devices for said magazines, the combination of two groups of escapement reeds adapted to cooperate with the escapement devices of the respective magazines, key controlled actuating elements, and intermediate rock bars permanently allocated to said elements and shiftable endwise to connect them with one group of escapement reeds or the other according to the magazine in use.

2,383,159
TYPOGRAPHICAL MACHINE
James C. Plastaras, Laurelton, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 17, 1941, Serial No. 423,262
28 Claims. (Cl. 199—46)



1. A typographical machine including, in combination, a plurality of matrix magazines, a shift frame therefor comprising a plurality of base frames upon which the respective magazines are removably supported, said shift frame being movable to locate a selected magazine in operative position, and magazine spreading mechanism mounted in a fixed part of the machine frame independently of the shift frame and operable to cooperate with the base frames above the magazine in operative position to separate them from said magazine.

2,383,160
MOUTHPIECE WIPER FOR METAL POTS OF TYPOGRAPHICAL CASTING MACHINES
James C. Plastaras, Laurelton, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Original application August 27, 1941, Serial No. 408,456. Divided and this application December 21, 1943, Serial No. 515,084
5 Claims. (Cl. 199—62)



1. In a typographical casting machine, the combination of a metal pot having a mold engaging mouthpiece, and mouthpiece wiping mechanism comprising a carrier, side plates journalled thereto for rocking movement, means to limit the rocking movement of the side plates, a wiping element journalled at its opposite ends in the side plates, stop means on the side plates to determine the normal operative position of the wiping element,

and means to hold the wiping element yieldingly in its operative position, whereby the wiping means is movable in one direction relatively to the side plates when in use and is movable with the side plates as a unit in the opposite direction when not in use.

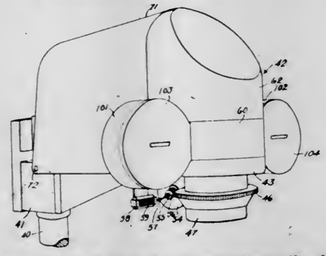
2,383,161

FOCUSING MEANS FOR CAMERAS

Verneur E. Pratt, Norwalk, Conn., assignor to Microstat Corporation, a corporation of Delaware

Original application January 3, 1942, Serial No. 425,528. Divided and this application July 1, 1943, Serial No. 493,036

4 Claims. (Cl. 95—44)



1. In a device of the character described, a casing, a lens in said casing and adapted to be moved therein on the line of the optical axis of said lens to focus the same, rotary means to move said lens on said line, a reversible motor, positive speed reducing means connecting said motor to said rotary focusing means, a counter spaced apart from said motor and said casing and having visual characters indicating predetermined increments of movement of said lens, and a flexible shaft connected to said motor and to said counter for positively operating the latter, said characters being visible outside the device.

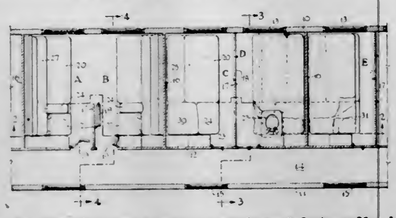
2,383,162

SLEEPING CAR ROOM ARRANGEMENT

Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 14, 1943, Serial No. 506,207

9 Claims. (Cl. 105—315)



1. A sleeping car room enclosed laterally by a longitudinally extending outside wall of the car, an opposed longitudinally extending aisle wall and spaced transverse walls interconnecting said outside and aisle walls, a bed arranged a short distance above the floor extending in length along one of said transverse walls and being of a width approaching the width of the room leaving a relatively narrow standing room space between it and the opposite transverse wall, a hopper arranged under one end of the bed, said end of the bed being readily removable while leaving the remainder of the bed undisturbed to provide access to the hopper.

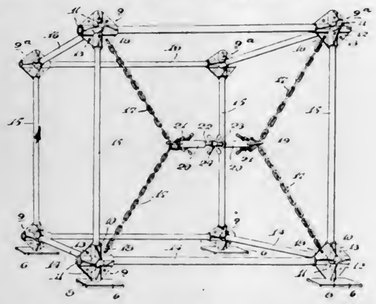
2,383,163

SCAFFOLD

Henry G. Roten, Houston, Tex.

Application May 5, 1944, Serial No. 534,297

9 Claims. (Cl. 304—2)



1. A scaffold comprising a unit including socketed joint elements each provided with upper and lower aligned vertical sockets and horizontal sockets radiating from the axis of the vertical sockets of that element, apertured webs rigidly united with the vertical sockets and horizontal sockets, of each element, bars joining said elements and extending into horizontal sockets thereof, posts extending into vertical sockets of the elements, similar joint elements arranged at the tops of the posts, each post extending into one of the vertical sockets of one of the last mentioned elements, connecting elements connected to the apertured portions of the webs, and turnbuckles each connected respectively to two pairs of the connecting elements and arranged at the sides of the unit for making it rigid.

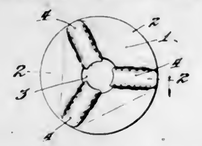
2,383,164

MECHANICAL NUT

Charles D. Ryder, Covington, Ky., assignor to The Grote Manufacturing Company, Bellevue, Ky., a corporation of Kentucky

Application February 24, 1944, Serial No. 523,674

7 Claims. (Cl. 85—36)



1. A sheet metal mechanical nut, comprising: a disk having a central opening and a plurality of circumferentially spaced ridges of U-shaped cross section on one side of the disk and extending radially from the edge of said control opening, the ridges inclined longitudinally and merging with the rim of the base, giving conical shape to the nut, the inner edges of the sides as well as the curved edge of the trough adjacent the opening of each of the ridges being adapted for cooperation with the threads of a screw traversing said opening in the disk.

2,383,165

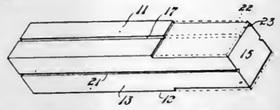
MARKED STEEL BAR AND METHOD OF MARKING

Charles V. Schuyler, Philadelphia, Pa.

Application January 10, 1944, Serial No. 517,760

4 Claims. (Cl. 29—148)

1. The method of forming bar surfaces of metal bar stock as a preliminary to heat treatment which consists in ascertaining the depth of mill skin on the surface of the bar, forming a surface-piercing aperture in the surface of the depth of the mill skin, removing an area of the surface layer of mill skin until the part of the aperture in said area has been removed to insure removal of all of the mill skin in said area of the surface.



2. As an article of manufacture, a steel bar stock having a surface layer formed of mill skin, a surface-piercing aperture disposed in and extending completely through the mill skin layer only as a visual indication of the existence of the mill skin and as a depth gauge of the thickness of the layer of mill skin.

2,383,166

SECTIONAL PLUMB AND LEVEL

Theodore F. Seiwell, Washington, D. C.

Application August 8, 1944, Serial No. 548,519

5 Claims. (Cl. 287—9)



1. In a sectional plumb and level in which the sections are fitted together by lap joints, of means for holding the sections together including a plate attached to one of the sections and having prongs projecting therefrom, said prongs being notched at one side thereof, a keeper plate attached to the companion section and having holes through which the prongs project when the sections of the implement are brought together on a line with each other, and a spring in the rear of the keeper plate adapted to engage the notches in the prongs for yieldingly holding the sections together.

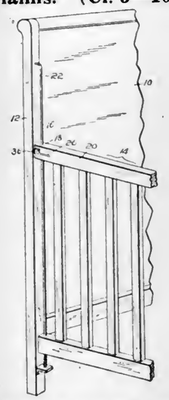
2,383,167

DROP-SIDE CRIB

Harold F. Shaw, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a corporation of Massachusetts

Application January 25, 1945, Serial No. 574,477

4 Claims. (Cl. 5—100)



4. In a crib comprising end members supporting vertical slideways and a drop side arranged between said members having top and bottom rails apertured to pass the slideways for vertical movement of the side along the same, the slideways presenting horizontal shoulders, latches each comprising a plate pivoted to the top rail to swing in a horizontal plane and having holes therethrough adapted to swing between positions wherein the hole respectively completely and partially aligns with the aperture, a marginal portion of the hole engaging the shoulder in the latter position, spring means tending to swing the plate to the latter position, and a finger engageable extension of the plate then exposed beyond the rail for moving the plate to the former position against the force of the spring.

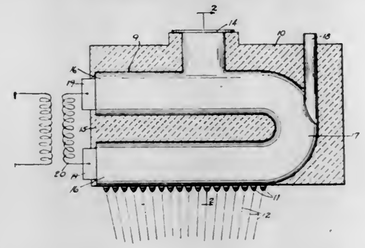
2,383,168

APPARATUS FOR MELTING GLASS

Games Slayter, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application May 23, 1944, Serial No. 536,995

6 Claims. (Cl. 13—6)



1. Apparatus for flowing a multiplicity of streams of material comprising a generally U-shaped container adapted to contain a body of molten material and supported with one leg portion positioned directly opposite the other leg portion, an intake opening formed in the top wall of one leg portion of the container at a point offset laterally from the connecting base portion of the U-shaped container and a plurality of discharge orifices in the bottom wall of the other leg portion, and means for supplying melting heat to the contents of said container.

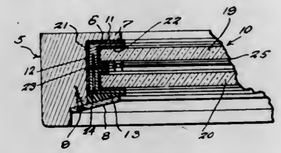
2,383,169

WINDSHIELD

Edward W. Slicer, Colora, Md.

Application April 24, 1942, Serial No. 440,371

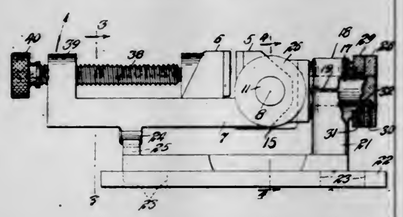
1 Claim. (Cl. 20—40.5)



Vehicle windshield construction comprising a windshield frame formed with a windshield accommodating channel, the forward side of the channel defining a stop flange and the rearward side of said channel comprising a removable trim frame, a windshield comprising a panel composed of a front section and a rear section each section containing a windshield glass, means spacing the glasses to define a space therebetween, said front section being frictionally fitted stationarily in said channel next to said stop flange, and securing means exposed by removal of said trim frame

for removably securing said rear section to said front section, insulated heater wire mounts fixed on the rear side of said front section, heater wires strung around said mounts to heat said space, said panel comprising marginal frames behind which the said mounts are located whereby said mounts and the heater wires are concealed from view by the marginal frames.

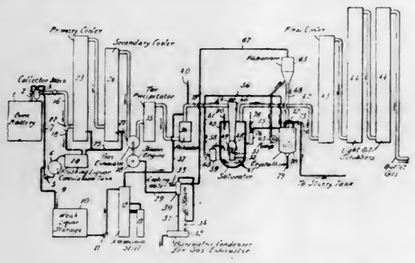
2,383,170
UNIVERSAL VISE
Henry C. Stoll, Jackson Heights, N. Y.
Application October 20, 1943, Serial No. 507,216
2 Claims. (Cl. 81—41)



1. A universal vise comprising a main base having an upright post at one end and a supporting rest element at a point removed from said post, said post having a bearing extending therethrough in line with said rest element, a yoke having spaced parallel arms disposed at the side of the post toward said rest element and provided with a spindle rotatably engaged in said bearing, means for securing said spindle in various angularly adjusted relations in said bearing, a vise base disposed between the spaced arms of said yoke and having a supporting shaft rotatably engaged in the arms of the yoke on an axis intersecting the axis of the spindle, said vise base extending away from the yoke over the main base and having a companion rest element engaging the rest element on the main base when the vise base is lined up with the spindle, and said companion rest elements in said engaging relation having surfaces engaging on an arc described from the axis of the spindle, means for securing the vise base in variously inclined relations in the arms of the supporting yoke, fixed and movable jaws on the vise base, and screw means on the vise base for effecting adjustments of the movable jaw thereon.

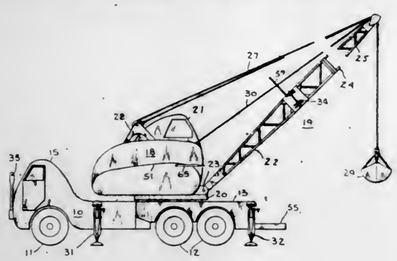
2,383,171
AMMONIUM SALT PRODUCTION
William Tiddy, New York, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application June 18, 1942, Serial No. 447,497
3 Claims. (Cl. 23—119)

1. A process for the recovery of ammonia from ammonia-containing gas produced during the coking of coal as relatively large crystals of an ammonium salt of a mineral acid, which comprises heating said gas containing ammonia to a temperature within the range of 30° to 60° C., adding sufficient moisture to the gas to raise its humidity to at least 70%, passing the humidified gas at a temperature within the range of 30° to 60° C. beneath the surface of a body of solution in a saturator containing free mineral acid and an insufficient amount of ammonium salt of said acid to saturate said solution, whereby ammonia present in the gas reacts with the acid to form additional salt, withdrawing solution of said salt from said saturator, cooling and concentrating the withdrawn solution to a condition of metastable supersaturation by evaporation under vacuum, passing the supersaturated solution into contact with a suspension of crystals of said ammonium salt, whereby said salt deposits from the solution on the surfaces of said crystals causing them to increase in size, recirculating the solution to said



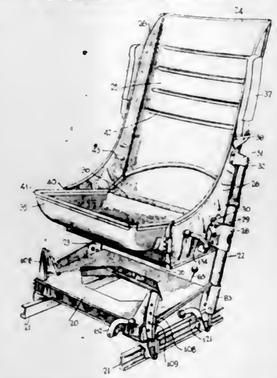
saturator, adding water and free mineral acid to said saturator, correlating the rates of addition of water and acid and of recirculation of the solution to the saturator and the humidity of the coke oven gas to prevent the ammonium salt concentration of the solution in the saturator from rising above saturation, and effecting circulation of the solution within the saturator to prevent local supersaturation and crystal growth within the saturator.

2,383,172
PORTABLE CRANE
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application March 27, 1944, Serial No. 528,212
10 Claims. (Cl. 212—144)



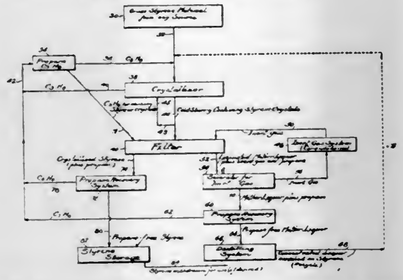
1. A portable crane comprising a truck, an operator's compartment on said truck, a cab on said truck supported for rotation about a vertical axis, a boom pivotally secured to the base of said cab centrally thereof, an operator's compartment on one side of said cab, said two operator's compartment being on the same side of said truck, a portion of said cab on the opposite side with respect to said operator's compartment being of reduced height, a hinge joint intermediate the ends of said boom, the axis of said hinge joint extending vertically with said boom extending in a lowered inoperative position, the outermost end portion of said boom being foldable back upon the remainder of said boom in the inoperative position and along the side of said truck opposite to said operator's compartment, said outermost boom portion extending over said reduced height cab portion.

2,383,173
AIRPLANE SEAT
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1942, Serial No. 463,762
4 Claims. (Cl. 155—5)



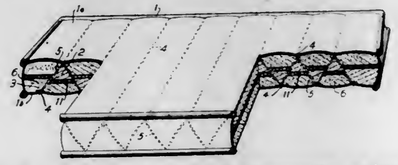
1. In an adjustable seat for airplanes, a mounting element having forward and rearward portions, a seat portion, a seat prop for connecting the seat portion to the mounting element, means for connecting the lower end of the seat prop to the rearward portion of the mounting element for pivotal adjustment with respect thereto, an arm on the lower end of the prop carrying a manually manipulable latch element accessible to the seat portion, a vertically extended projection on the forward portion of the mounting element adapted to retain the latch element in a plurality of vertical locations thereon, whereby said seat portion may be retained in fore and aft adjusted positions.

2,383,174
RECOVERY OF VALUABLE HYDROCARBONS
Horace M. Weir, Wynnewood, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application February 17, 1940, Serial No. 319,373
12 Claims. (Cl. 62—124)



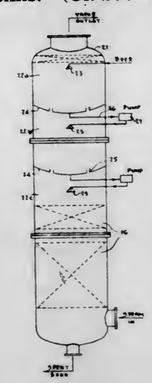
10. In a process for the separation of styrene by crystallization from a light oil styrene fraction, the steps of concentrating styrene in a light oil styrene fraction containing xylene sufficiently so that styrene crystals will form upon reduction in temperature of said concentrated fraction before the solidification of any other material present including xylene, dissolving said concentrated fraction in a liquefied normally gaseous saturated hydrocarbon solvent, cooling the resulting solution sufficiently by the evaporation of a portion of said solvent to produce from said solution styrene crystals in a medium of liquid phase material including xylene, separating said styrene crystals from said liquid phase material including xylene under temperature conditions sufficiently high to preclude the presence of any substantial quantity of other solidified material derived from said solution, and washing said separated crystals with a chilled portion of said liquefied normally gaseous saturated hydrocarbon solvent.

2,383,175
MATTRESS CONSTRUCTION
Max Weisberg, Brooklyn, N. Y.
Application October 26, 1942, Serial No. 463,362
3 Claims. (Cl. 5—359)



1. A mattress having transversely extending partitions dividing the interior of the mattress into a series of wedge-shaped compartments and having horizontal partitions of flexible semi-rigid material sub-dividing the entire length of each wedge-shaped compartment, said horizontal partitions being arranged in staggered relation with respect to the horizontal partitions in the next adjacent compartments.

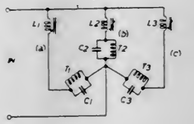
2,383,176
ART OF DISTILLING SPIRITUOUS LIQUORS
Herman F. Willkie, Prospect, Ky., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
Application January 31, 1942, Serial No. 428,990
4 Claims. (Cl. 202—46)



1. In a method of fractionally distilling distillers beer to produce a spirituous liquor characterized by a relatively light body and freedom from impurities imparting objectionable taste and/or odor characteristics, an improvement comprising: passing a column of steam upwardly at a controlled rate through a fractionating column; passing distillers beer downwardly through the fractionating column, in counter current relation to the steam column, at a substantially constant rate such that the length of time the beer is in the counter current steam path is not more than five minutes; and maintaining an extensive and uniform distribution of beer across and along

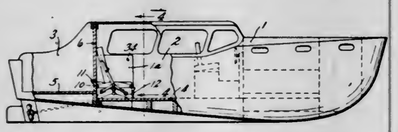
the counter current steam path so that it presents a steam-contacting surface area sufficiently extensive, at the rates of beer and steam flows, to boil the beer throughout the counter current path and cause complete fractional distillation from the beer of its alcoholic content in the form of vapor, leaving a waste slop residue substantially free of alcohol, the concentration of alcohol in the beer and vapor increasing in a progressive manner upwardly along the counter current path.

2,383,177
ELECTRIC FREQUENCY DIVIDING SYSTEM
Bernard Drake, Bromley, England
Application August 10, 1943, Serial No. 498,121
In Great Britain August 27, 1942
9 Claims. (Cl. 172—281)



1. A frequency converter network comprising input terminals for connection to a single phase source of alternating current, a plurality of reactive frequency converting paths connected between said input terminals, each path including at least one non-linear reactive circuit element, an output circuit resonant at a sub-harmonic frequency of said single phase source, said output circuit having circuit elements coupled to each of said converting paths, and means establishing a phase displacement between currents in the several converting paths.

2,383,178
CONVERTIBLE SEAT STRUCTURE FOR CABIN CRUISERS
Charles L. Edwards, Springfield, Mass.
Application January 18, 1944, Serial No. 518,719
10 Claims. (Cl. 9—7)

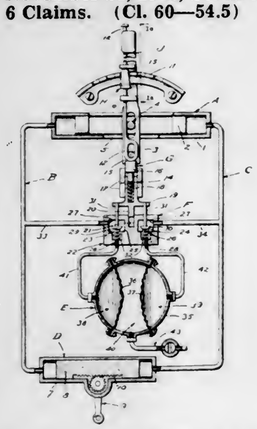


1. The combination with a cabin cruiser having a deck house and cockpit with the floor of the deck house at a lower level than the floor of the cockpit, and a removable partition between said deck house and cockpit, of a convertible seat structure adjacent said partition and comprising a seat member at the forward side of said partition and a back member, means connecting said seat member and back member constructed and arranged to control an adjusting movement of said back member into different positions, one adjusted position being with said back member substantially vertically disposed at the rear end of said seat member and another adjusted position with said back member substantially vertically disposed at the front end of said seat member, and means acting in conjunction with said connecting means when said back member is moved to said latter position to elevate the seat member and back member by an amount approximately equal to the difference in level between said deck house floor and said cockpit floor.

2,383,179
MANUFACTURE OF VINYL AROMATICS
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,487
3 Claims. (Cl. 260—669)

3. A process for producing styrene which comprises interacting benzene and a C_2 aliphatic hydrocarbon at a temperature of from about 400° C. to about 900° C. and in the presence of a catalyst comprising alumina and chromia.

2,383,180
HYDRAULIC FLUID VOLUME COMPENSATOR
Herman Ray Ellinwood, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application November 24, 1942, Serial No. 466,783
6 Claims. (Cl. 60—54.5)

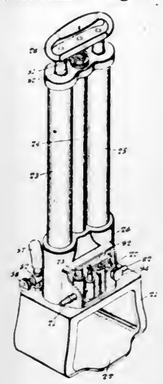


1. In a hydraulic motor system, a pump unit, a motor unit, hydraulic lines for conducting fluid between said units to operate said motor unit, a lever for operating said pump unit, a lever locking means including a rod carried by said lever and slidable longitudinally therealong, a hydraulic fluid volume compensating means connected with lines, a valve means for controlling the operation of said compensating means, and means operating responsive to the release of said locking means by a sliding movement of said rod, for closing said valve means and rendering the compensating means inoperative, and for opening said valve means and rendering the compensating means operative when the locking means is manipulated to lock said lever and render the pump unit inoperative.

2,383,181
APPARATUS FOR INDUCING RESPIRATION
Herbert E. Enslin, Beverly, Mass., and Edgren C. Wallace, Miami, Fla., assignors to Revair Corporation, Boston, Mass., a corporation of Massachusetts
Application January 29, 1943, Serial No. 474,020
4 Claims. (Cl. 128—29)

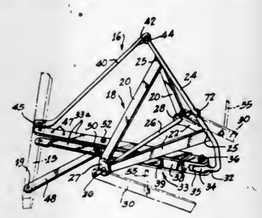
1. In respirating apparatus of the character described having a pressure cylinder, a suction cylinder and outlet and intake ducts leading from the respective cylinders to inspirating and expirating hose connectors, pressure control means comprising movable valves operatively disposed in the respective ducts, said ducts having vent

openings controlled by said valves to permit the escape of air therefrom when the valves are opened, a bar interconnecting said valves, a cam



engaging said bar, and manually operable means for rotating said cam to simultaneously regulate both valves.

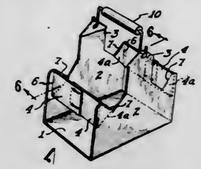
2,383,182
TRACTOR HITCH
Russell T. Evans and John H. Clasen, Anaheim, Calif.
Application April 16, 1945, Serial No. 588,636
19 Claims. (Cl. 280—33.44)



1. In combination in a hitch for connecting a drawn implement with a tractive vehicle; a framework; an inclined positioning and supporting bar connected with said framework and extending upward and rearward from a forward part; a substantially horizontal draft tongue swingingly connected with a forward portion of said bar, a rear portion of said tongue being adapted for connection to the drawn implement; a lifting link having an upper end swingingly connected with the upper end of said supporting bar, its lower end being connected with a rearward portion of said tongue; and means for supporting said framework from a tractive vehicle.

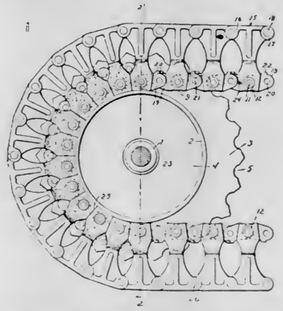
2,383,183
BOTTLE CARRIER
Howard J. Fischer, Springfield Township, Hamilton County, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application December 22, 1941, Serial No. 424,035
4 Claims. (Cl. 224—45)

3. A bottle carrier comprising a blank having means to form a side wall, a base and a side wall in the order named, upper portions of said side walls being cut to provide each a central, upstanding, handle receiving portion and a pair of tongues, one lying on each side of the handle receiving portion, said tongues each being articulated to the side walls by score lines diagonal to the lateral edges of the side walls, there being lines of cut extending diagonally downward from inner edges of said tongues and meeting said diagonal score lines, said tongues also being scored parallel to the lines of articulation of said side walls to said base, and being of a length to con-



nect with the respective opposite tongues across between the side walls and thereby be attached together in pairs at their ends, whereby each pair of the joined tongues may be turned downwardly and outwardly to occupy a substantially vertical plane so as to form an end wall connecting said side walls substantially at each end thereof.

2,383,184
TRACTION WHEEL AND CHAIN
Clayton Erasmus Frederickson, Chicago, Ill.
Application September 1, 1943, Serial No. 500,827
15 Claims. (Cl. 305—10)

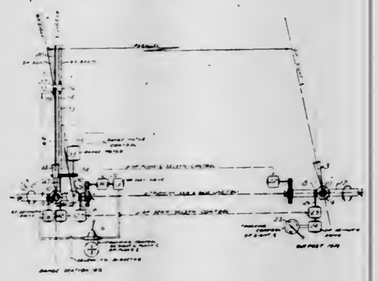


1. In traction wheels and chains wherein an endless chain of traction links, connected by chains of links, passes around drive wheels: the improvement which comprises the provision of rule-jointed cam links between each two traction links, the cam portions of the cam links functioning to engage the rims of the traction wheels as the chains pass around the traction wheels thereby to break the rule joints as the traction links approach the turn around the traction wheels.

2,383,185
RANGE FINDER
Joseph Galamb, Detroit, and Albert O. Roberts and Horace A. Chubbuck, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 23, 1942, Serial No. 444,292
1 Claim. (Cl. 33—66)

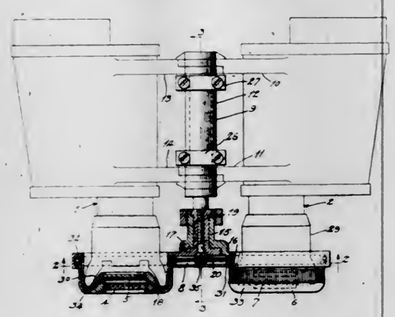
In a range-finder instrument for use in a two-station system, a pair of beams pivoted at spaced points on a common base line and universally movable to represent, respectively, bearings taken from said stations, said beams including exposed longitudinal conductors and being normally insulated one from the other, a contact contacting normally at least one of said beams and contacting both of said beams only when

said contact is at the point of intersection of said beams, a screw mounted on one of said beams, a carriage on said screw supporting said contact, a motor to rotate said screw selectively in either direction to move said carriage in or out along said beam, an electrical connection between said contact and said motor, said con-



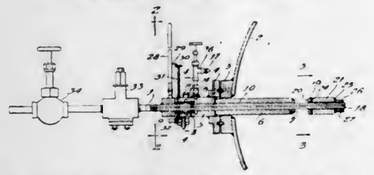
nection being operable when said contact is in contact with but one of said beams to operate said motor in one direction and when said contact means is in contact with the other of said beams to operate said motor in the other direction and when said contact means is in contact with both of said beams at their point of intersection said motor to be inoperable.

2,383,186
BINOCULARS WITH POLARIZED LIGHT FILTERS
Charles J. Glasser, Chicago, Ill.
Application August 6, 1943, Serial No. 497,576
20 Claims. (Cl. 88—34)



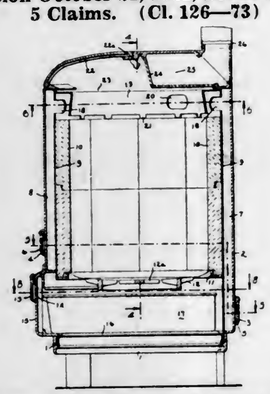
1. The combination with a pair of binoculars including two barrels connected to swing about a common axis for interpupillary adjustment toward and from each other and eyepieces carried by said barrel, respectively, of two pairs of polarized lenses, one pair for each barrel, means for mounting each pair to swing about said axis with the barrel and to maintain the axis of said lenses in operative relation to the eyepiece of the binocular, the two lenses of each pair being juxtaposed, one lens being rotarily adjustable with respect to the other and its eyepiece, and transmission means between said adjustable lenses whereby rotarily adjusting one lens of one pair will cause a corresponding rotary adjustment of a lens of the other pair in any adjusted position of the barrels.

2,383,187
LIQUID LEVEL INDICATOR
Frank E. Grapes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 28, 1944, Serial No. 524,169
4 Claims. (Cl. 73—298)



1. A liquid level indicating device for use in conjunction with a vessel which comprises in combination a nozzle provided in a wall of said vessel, said nozzle being provided with a port, a substantially horizontally disposed rotatable conduit positioned in said port, said conduit projecting through said wall being closed at its end within said vessel and carrying on said end an angularly projecting conduit communicating at one end with said rotatable conduit and at the other end with the interior of said vessel, opening and closing means for the end of said rotatable conduit which is exterior to said vessel, sealing means provided in said port comprising a grease packing between the outer wall of said rotatable conduit and the wall of said port, and means indicating the angular displacement of said rotatable conduit, said port and said rotatable conduit being provided with complementary threaded portions at that end of said port which is exterior to said vessel.

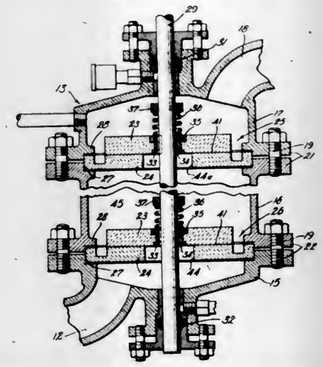
2,383,188
HEATING APPARATUS
William A. Griswold, Cleveland, Tenn.
Application October 21, 1941, Serial No. 415,931
5 Claims. (Cl. 126—73)



1. In a heating appliance of the magazine type, a grate means, a fuel chamber having open ends and an imperforate side wall structure positioned above said grate with the bottom edge of the chamber substantially at grate level so that all air that enters the fuel chamber must enter through the open bottom end portion thereof, means forming a gas combustion chamber directly above the fuel chamber, means providing an opening in said gas combustion chamber through which fuel is admitted for filling the fuel chamber, means for continuously supplying primary air to the fuel chamber through only the

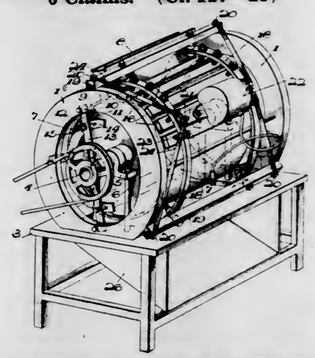
open bottom end portion thereof whereby to support combustion in only the lowermost portion of a body of fuel in the fuel chamber and cause hot gasses to pass upwardly through the body of fuel in the upper portion of the fuel chamber that is not in a state of combustion to drive raw gases therefrom into said gas combustion chamber, means for regulating the quantity of primary air supplied to the fuel chamber, separate means forming an air distributing ring directly above said fuel chamber having the inner peripheral wall thereof substantially in alignment with the inner peripheral surface of the fuel chamber and having opening means in the inner peripheral wall of the distributing ring immediately adjacent the upper edge of the fuel chamber whereby air received in the distributing ring is discharged directly over the upper edge of said fuel chamber and around substantially the entire periphery thereof forming an air blanket at substantially the level of the top edge of the fuel chamber which divides the fuel chamber and the gas combustion chamber, said imperforate wall extending to the level of said air discharge opening means to prevent admission of any secondary air into the fuel chamber below the said level, means forming an air passage in thermal association with the fuel chamber having an air inlet opening through which to receive air entirely independent of said primary air connected to said air distributing ring for conducting secondary air thereto after being heated by its movement through the air passage in thermal association with the fuel chamber, means for regulating the quantity of air supplied through said air passage means, and means forming a flue opening from said gas combustion chamber.

2,383,189
POLYMERIZATION OF OILS
William T. Hancock, Long Beach, Calif., assignor to Hancock Oil Company of California, Long Beach, Calif., a corporation of California
Application March 25, 1942, Serial No. 436,138
1 Claim. (Cl. 196—78)



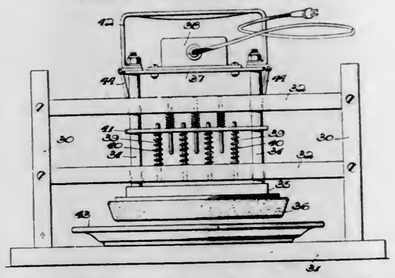
The method of polymerizing hydrocarbons, that includes constantly urging together a pair of surfaces with one surface moving relative to the other at high velocity, at least one of said surfaces being finely roughened and containing silicon carbide as a polymerizing catalyst, passing a stream of hydrocarbons between said surfaces and thereby causing the hydrocarbons to become polymerized by the action of said catalyst and the relative movement of said surfaces, and withdrawing the polymerized hydrocarbons in a fluid stream from between said surfaces.

2,383,190
APPLICATION OF CERAMIC COLOR
Eugene Hardesty, New Brighton, Pa., assignor to Fuller Label & Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1941, Serial No. 409,105
6 Claims. (Cl. 117—13)



1. In the method of applying ceramic color to a transfer sheet prepared with an adhesive coating, the steps which comprise depositing ceramic color on the coated surface of said sheet, moving such surface into contact with an applicator surface, and then embedding the color in the coating by vibrating the applicator surface with reference to said sheet at not less than substantially 400 vibrations per minute in all directions.

2,383,191
APPLICATION OF CERAMIC COLOR
Eugene Hardesty, New Brighton, Pa., assignor to Fuller Label & Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 30, 1941, Serial No. 409,105. Divided and this application January 22, 1945, Serial No. 573,998
3 Claims. (Cl. 117—13)

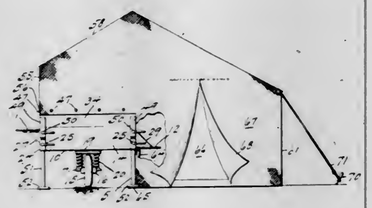


1. In the method of applying ceramic color to a surface prepared with an adhesive coating, the steps which comprise depositing ceramic color on such surface and then embedding the color in the coating by contacting the deposited color with an applicator and effecting relative vibration between said applicator and said surface at not less than substantially 400 vibrations per minute in all directions.

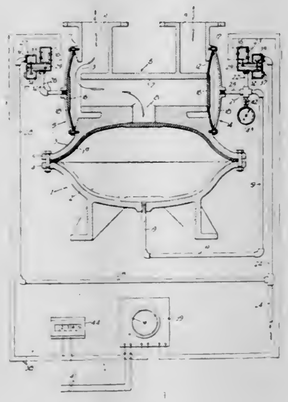
2,383,192
CONVERTIBLE UTILITY AND CAMP TRAILER AND CAMP TENT
Theodore Heil, Berkeley, Calif.
Application June 6, 1944, Serial No. 538,919
9 Claims. (Cl. 296—23)

9. A trailer having a body having bottom, and side and end walls, a superstructure having a bot-

tom, side and end walls and mountable on said trailer, and means for alignably securing said superstructure on said trailer and when so secured forming a storage compartment within the trailer body with one of the side walls of said trailer openable to provide access to said compartment; said means for alignably securing said superstructure on said trailer including support means for selectively supporting the four corners, of said trailer, of said superstructure, or, of said trailer and said superstructure; tent posts hingedly mounted in said superstructure, and a tent in which said superstructure forms a portion thereof to form a complete enclosure.

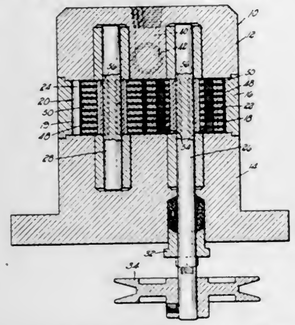


2,383,193
DIAPHRAGM PUMP
Elmer H. Herbert, Oakland, Calif., assignor to Oliver United Felters Incorporated, Oakland, Calif., a corporation of Nevada
Application November 1, 1943, Serial No. 508,528
4 Claims. (Cl. 103—152)



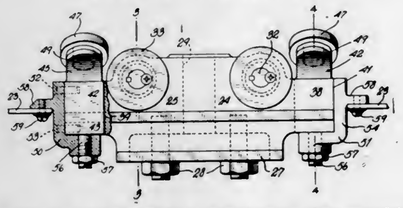
1. A pump comprising: a slurry chamber; a working diaphragm sealed across said chamber and arranged for reciprocation therein; slurry inlet and outlet conduits communicating with said chamber; inlet and outlet diaphragm gates respectively associated with said inlet and outlet conduits; and solenoid-operated time-controlled fluid means for actuating said working diaphragm and said inlet and outlet diaphragm gates in a cycle wherein when said working diaphragm is making its discharge stroke, said inlet diaphragm gate is in its closed position and said outlet diaphragm gate is in its open position, and wherein when said working diaphragm is making its intake stroke, the positions of said gates are reversed.

2,383,194
PUMP
Penrose R. Hoopes, Philadelphia, Pa.
Application July 19, 1941, Serial No. 403,141
4 Claims. (Cl. 103—126)



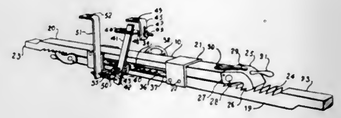
1. In a liquid gear pump of the character described, a casing having a chamber therein, a pair of mating gears having intermeshing teeth and mounted in said chamber and dividing said chamber into a low pressure and a high pressure side, said low pressure side being provided with an inlet port and said high pressure side with an outlet port, the interior wall of said chamber including wall portions concentric with a portion of each of said gears, each of said gears including a rigid core and a plurality of alternate laminations of metal provided with radially extending teeth on their peripheries and plastic nonrotatably secured to said core, and an outer face of resilient plastic completely covering the teeth of the gear and contacting the concentric wall portions of the casing, said central core and metal laminations resisting major deformations of the gear, and said plastic laminations and face allowing small distortions of the gear to maintain positive contact with the casing wall to provide a seal trapping the liquid between the gear and the casing wall.

2,383,195
WOODWORKING MACHINE CARRIAGE
Alfred E. Horman, New York, N. Y.
Application October 6, 1943, Serial No. 505,106
9 Claims. (Cl. 308—6)



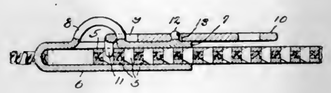
1. In a woodworking machine, the combination of a hollow cantilever arm including a lower wall provided with a longitudinally extending slot and forming a pair of tracks on opposite sides of the slot, said tracks having their upper surfaces in a horizontal plane, said arm also provided therein with a pair of inclined guide rails, one above each track, and a carriage including a rugged block-like body portion fitted with a rather snug but freely sliding fit transversely in the slot and having its upper portion within the arm and its lower portion depending below the same, the upper portion having a pair of wheel trucks journalled therein for transmitting the weight of the carriage on to the upper surface of the tracks at four widely spaced apart points, opposite ends of the carriage provided with non-circular sockets extending vertically therethrough and open through the adjacent end of the carriage, a pair of yokes, one for each socket and provided with a similar non-circular stem portion vertically adjustably mounted therein, each yoke including a pair of upwardly and outwardly facing rollers, one for each guide rail and initially prefixed in their relative relation and closure plates L-shaped in cross-section longitudinally of the carriage, demountably secured to the carriage at its opposite ends for closing the open ends and bottoms of the sockets.

2,383,196
SLACK ADJUSTING DEVICE
Ernest A. Jenkins, Waco, Tex.
Application March 20, 1944, Serial No. 527,329
4 Claims. (Cl. 188—198)



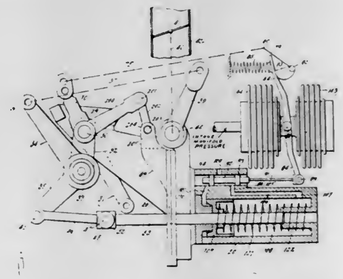
1. A slack adjusting device including, a pair of longitudinal members disposed in overlapping parallel relationship, the members being movable longitudinally relative to each other and being reciprocal longitudinally as a unit, means adjustably fastening said members in a fixed variable relation, a gear rack formed on each member, a gear interposed between and meshing with the gear racks for driving the same and moving the members relative to each other, the gear being reciprocal with said members, coacting ratchet means having connection with and reciprocal with said gear, one ratchet means being rotatable with the gear, means for limiting reciprocation of the other ratchet means so as to rotate the same relative to the first ratchet means upon such reciprocation, and means for resisting movement of said second ratchet means and for rotating the same in the opposite direction to its original position upon reverse reciprocation of the members, whereby excessive reciprocation will rotate the second ratchet means relative to the first ratchet means so that upon reverse reciprocation both ratchet means will be rotated in the opposite direction to turn the gear and drive the gear racks for moving said members relative to each other.

2,383,197
SLIDE FASTENER TAB LOCKING DEVICE
Alice E. Johnson, Garberville, Calif.
Application March 22, 1943, Serial No. 480,069
1 Claim. (Cl. 24—205.5)



In a slide fastener having interlocking fastening members and a slide member movable over the interlocking members and adapted to move the interlocking members to their interlocked or disengaged positions, the combination with said slide member of spaced loops rising from the slide adjacent to one end thereof, a tab having elongated openings in which said loops are disposed, pivotally mounting the tab on the slide member whereby said tab may move longitudinally of the slide member, a locking member carried by the tab and adapted to engage the interlocking fastening members, securing the slide member against movement, a head rising from the upper surface of the slide member, said tab having a socket formed in the tab a distance shorter from the loop members than the distance between the loop members and head, said head being adapted to extend into the socket, thereby setting up a binding action between the head and socket, for holding the tab in its locked position.

2,383,198
ENGINE CONTROLLER
Clarence H. Jorgensen, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 11, 1943, Serial No. 475,559
4 Claims. (Cl. 123—119)

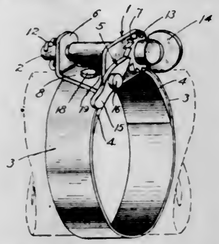


1. A throttle valve controller for supercharged internal combustion engines comprising a throttle valve operating element, manually operated means for moving the element to open the throttle valve, a servo-motor operating in response to engine intake pressure for moving the element to effect such additional opening movements of the throttle valve as are necessary to maintain a required intake pressure, means operated by the manual means for selecting the pressure to be maintained by operation of the servo-motor, and an adjustable stop operated by the manual means for variably limiting the servo-motor-effected movement of the throttle valve operating element to that required for moving the throttle valve to a predetermined open position when critical altitude is reached throughout a range of pressure selections required for cruising, take-off and emergency.

2,383,199
HOSE CLAMP
William Kitts, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application August 20, 1943, Serial No. 499,426
8 Claims. (Cl. 24—19)

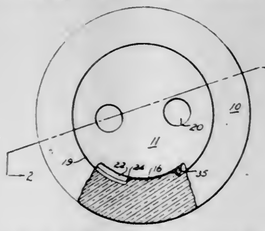
1. In a hose clamp, a body member, a rotary winding shaft supported on said body member, a flexible hose clamping band having one end fixed to and adapted to be wound on the said shaft, means for detachably connecting the other end of the band to the body member, an arcuate hose-engaging shoe fixed intermediate its ends to said other end of the band so that it will be disposed

between the hose and the body member when said other end of the band is connected with the body



member, and means for releasably holding said shaft against unwinding.

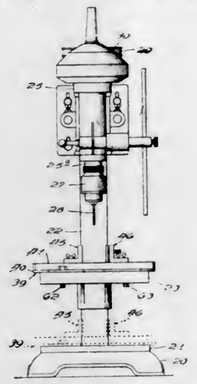
2,383,200
HANDHOLE CLOSURE
Clarence F. Kramer, Birmingham, and Herbert F. Cromwell, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 12, 1943, Serial No. 475,656
3 Claims. (Cl. 244—129)



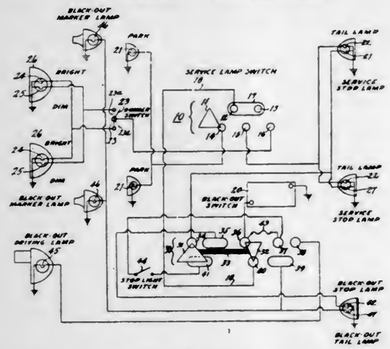
1. In a handhole closure, a molded plastic ring flange having internally directed lugs, the bottom surfaces of said flange and said lugs being substantially coplanar, a molded plastic disc-shaped closure adapted to be received centrally of said flange, depending means on said closure adjacent the circumference thereof having radially outwardly extending portions spaced from said disc forming retaining chambers closed at one end corresponding to the spacing of said lugs, the circumferential length of said chambers being substantially equivalent to the length of said lugs, said lugs being received in said retaining chambers between said disc and said extending portions, a shoulder at the other end of each said chamber on said extending portion, and an integral projecting boss formed on the lower side of said disc substantially midway of said chamber adapted to flex said lug passing between said shoulder and said boss.

2,383,201
WORK-HOLDING AND POSITIONING MEANS
Edward Q. Kruchten, Chicago, Ill.
Application March 2, 1942, Serial No. 432,965
11 Claims. (Cl. 77—63)

6. Work-holding and positioning means for use with work tables having either parallel or radial slots, comprising: a plate of a size of the same order as that of the tables with which it is to be used, having at least two continuous generally parallel slots, each slot being at least as long as the shortest distance therebetween, portions of the slots of the table and plate registering in different positions of adjustment of the plate on the table; and at least two means for releasably securing said plate to the table in adjusted positions thereon, at least one securing means passing through each of two slots in the plate and through registering portions of slots in the table.

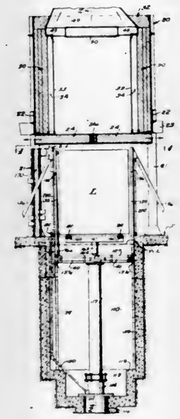


2,383,202
LIGHTING SYSTEM
John W. Lawson, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 23, 1942, Serial No. 463,119
4 Claims. (Cl. 315—83)



1. An automobile lighting system comprising service lamp filaments including head and tail-lamp filaments and a stop-light filament, black-out lamp filaments including driving and tail lamp filaments and a stop-light filament, a current source, a service lamp switch for controlling the service head and tail lamp filaments, a stop-light switch for controlling either the service stop-light filament or the black-out stop-light filament and having a movable contact connected with the source and a terminal contact adapted to be engaged by the movable contact, and a black-out lamp controlling switch having an "off" position providing a connection between the source and service lamp switch and a connection between the terminal contact of the stop-light switch and the service stop-light filament, and having an "on" position providing for interruption of the connection between the current source and service lamp switch and of the connection between said terminal contact of the stop light switch and the service stop-light filament and providing a connection between said terminal contact of the stop-light switch and the black-out stop-light filament.

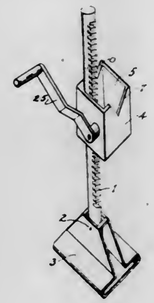
2,383,203
HEAT-TREATING SYSTEM
Jess Max Lee, Los Angeles, Calif.
Application December 9, 1941, Serial No. 422,214
4 Claims. (Cl. 266—4)



1. In systems for heat treating metal articles and the like by first heating and then quenching them, and which comprise a heating furnace having a closure at its lower side and means for opening and closing the closure, a quenching bath spaced below the furnace, and an article carrying elevator mechanism adapted to move articles vertically into and between the furnace and bath; the improvement which comprises an elevator having a lower fluid pressure cylinder located below the quenching bath, a lift plunger extending upwardly from the cylinder through the bath, an elevator carriage frame mounted on the upper end of the plunger, a columnar supporting means extending upwardly from the carriage frame, a load receiving platform mounted on said columnar supporting means so as to be vertically spaced above the carriage frame, said furnace closure comprising oppositely movable doors arranged to have their inner ends meet when the doors are closed, and the inner ends of said doors having openings for receiving the columnar supporting means when the doors are closed and the platform is moved into the furnace, so that the carriage frame below the doors is not subjected to the furnace heat.

2,383,204
LIFTING JACK
Gustave E. Le Veque, Detroit, Mich.
Substituted for abandoned application Serial No. 364,801, November 8, 1940. This application January 31, 1945, Serial No. 575,405
3 Claims. (Cl. 254—97)

1. In a lifting jack, the combination of a lifting bar substantially cylindrical in cross-section having rack teeth formed on a part of its surface, a unitary housing having a substantially rectangular hollow cross-section, notches formed in two opposite walls of said housing forming a lifting head, one interior corner of said housing being formed to conform to and provide a bearing for a portion of the circumference of said bar, a worm gear, a pinion secured thereto, said worm gear and pinion being mounted on a shaft journalled in two opposite walls of said housing, a worm journalled in the other two opposite sides of said housing and meshing with said worm gear, the teeth of said pinion meshing with said rack teeth, means for turning the worm, endwise movement of the worm gear and pinion in



each direction being opposed by opposite inner walls of the housing, and endwise movement of the worm gear in response to the lowering action being directly resisted by an inner wall of said housing.

2,383,205
MANUFACTURE OF BUTADIENE
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 16, 1942, Serial No. 465,698
6 Claims. (Cl. 260—681)

1. A process for producing butadiene which comprises subjecting a butanediol dialkanoate to contact with zirconium oxide at a temperature sufficient to convert it into butadiene and an alkanoic acid.

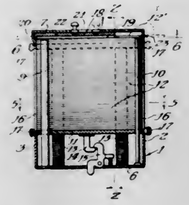
2,383,206
TREATMENT OF HYDROCARBONS
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 30, 1943, Serial No. 504,458
9 Claims. (Cl. 260—683)

1. A process for converting a normally liquid olefinic hydrocarbon into substantial yields of normally gaseous olefinic hydrocarbons including propylene and butylenes which comprises subjecting said normally liquid olefinic hydrocarbon to cracking conditions in the presence of a catalyst composite comprising essentially aluminum sulfate and silica.

2,383,207
HAIRPIN HOLDER AND DISPENSER
Jacque C. Morrell, Oak Park, Ill.
Application August 15, 1941, Serial No. 407,038
5 Claims. (Cl. 312—68)

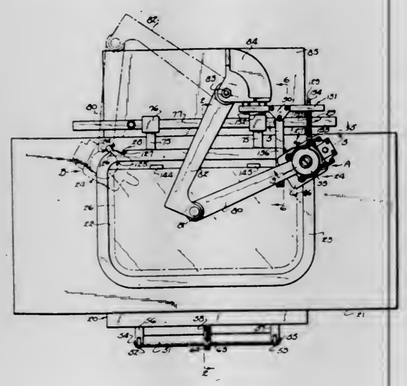
5. A hairpin dispenser comprising, in combination, a case adapted to receive a stack of hairpins, a member carrying said stack and slidably mounted within the case on spaced posts disposed adjacent opposite ends of the pins and extending lengthwise of the stack between the prongs of the pins, means urging said carrier member and said stack toward an end wall of the case, and means for ejecting the outermost

pin of the stack adjacent said end wall from the case through an opening provided in the case adjacent one end of said pin, the side walls of the case adjacent the free ends of the pins being so formed and the post adjacent said free ends of



said pins being of such size that the prongs of the pins are forced toward each other at their free ends, whereby to prevent crossing of the prongs of the pins and keep them in substantially parallel alignment.

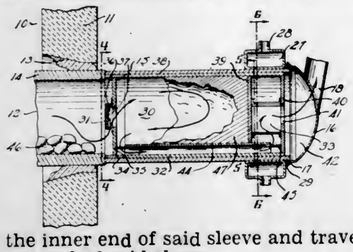
2,383,208
CUTTING MACHINE
Ralph Arthur Mustered, Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1942, Serial No. 433,136
7 Claims. (Cl. 33—27)



1. In a machine for cutting plates or sheets of glass or the like, means for supporting the plate to be cut, a track template mounted above said plate supporting means, a cutting unit including a cutting tool mounted to travel along said template for scoring the plate, and adjustable stop means associated with the template and engageable by said cutting unit at opposite ends of its travel for limiting the movement of said cutting unit in one direction to prevent the cutting tool from moving over the edge of said plate.

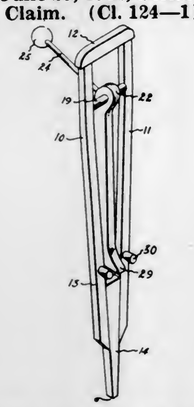
2,383,209
CONDENSATION DEVICE FOR RETORTS
Daniel L. Newkirk, Inkster, and Elbert E. Ensign, Ypsilanti, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 11, 1943, Serial No. 498,209
7 Claims. (Cl. 266—19)

1. In a condensing unit for a tube retort, a sleeve fitting within said tube open at the inner end and closed at the outer end, and a conduit providing a supplementary passage opening ad-



jacent the inner end of said sleeve and traversing the closed end of said sleeve.

2,383,210
GAME DEVICE
Joseph W. Patterson, Tulsa, Okla.
Application June 29, 1942, Serial No. 448,945
1 Claim. (Cl. 124—1)

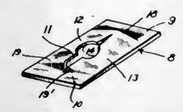


A game device for imparting movement to a movable object including, a substantially yoke-shaped frame having the lower end engageable with any suitable surface for supporting the device, a handle portion at the upper end of the frame to readily permit manual holding of said device in engagement with a suitable surface at any desired angle relative thereto, said frame having a pair of spaced legs, a transverse pivot pin having its ends journaled in the spaced legs of the frame adjacent their upper ends, an elongate actuating member of less length than said frame having its upper portion pivotally supported upon the pin so as to be freely swingable between said legs, and means connected to and forming a part of the actuating member for permitting manual swinging of said member, whereby the lower end of the member may be swung manually into engagement with the object to which it is desired to impart movement, the means for manually swinging said member extending into the same and engaging the surface of said pivot pin to assist in maintaining the member in a fixed position relative to the pin.

2,383,211
SPRING NUT
George W. Plumb, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application December 6, 1944, Serial No. 566,845
8 Claims. (Cl. 85—36)

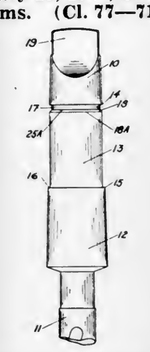
1. In a spring nut, an elongated body portion having an outward bend extending transversely

across the full width thereof at a point spaced inwardly of an end of the body portion, a pair of similar outward bends differing as to outward extent from one another and the first named bends, extending across the body portion at a point spaced inwardly of the other end of the body portion, the said bends providing seat portions at the ends of the body portion and disposing substantially all of the remainder of the body



portion in outwardly offset relation to said seat portions, said outwardly offset portion being divided by a slit to define laterally juxtaposed arch portions having their opposed edges spaced apart and shaped to provide edge portions defining an opening for reception of a bolt or screw, said arch portions being oppositely inclined transversely from their opposed edges to their outer edges with the outer edges in substantially coplanar relation to said seat portion.

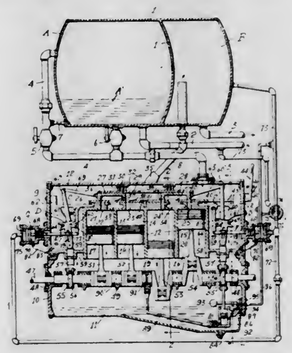
2,383,212
SHANK CONSTRUCTION
Walter B. Pohle, Lynn, Mass.
Application February 19, 1944, Serial No. 523,164
4 Claims. (Cl. 77—71)



1. A shank construction characterized by two spaced frusto-conical surfaced portions one of which has a larger mean diameter than the other and both of which have the same generatrix, directrix, and vertex, and by a cylindrical portion located between said two spaced portions, the diameter of the cylindrical portion being at least equal to the diameter of the larger base of that spaced portion having the smaller mean diameter and being smaller than the diameter of the smaller base of that spaced portion having the larger mean diameter.

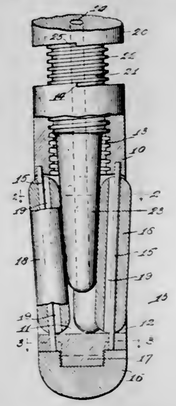
2,383,213
ENGINE
Albert M. Porter, Newton, Kans.
Application March 3, 1944, Serial No. 524,890
4 Claims. (Cl. 60—60)

2. In an engine of the class described, an engine block, a plurality of vertically disposed cylinders rigidly carried therein, pistons for said cylinders and means to connect the pistons to a crankshaft, an apertured head to close the upper end of the cylinders, a manually controlled operated throttle plate movable over the head, said plate having apertures to register with the apertures in the head, a pair of box-shaped valves movably arranged on the said apertured plate, a rockably mounted arm for each valve, one end of said arm being secured to its respective valve, the other end having a pair of pins thereon in spaced relation, a doubled-hooked element to engage a selected pin, an eccentric disc for each



valve mounted on the crankshaft and means to rockably connect the double-hooked element to the disc to rock the valves, a double-acting suction and pressure actuated piston for each valve and means to connect the piston to the double-hooked element to engage a pin selectively, and a source of compression and suction to operate the double action pistons, and the cylinder's pistons as controlled by the valves.

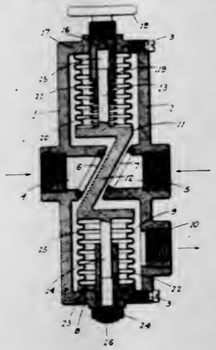
2,383,214
WELL CASING EXPANDER
Arthur L. Prout, Long Beach, Calif., assignor of one-half to Bessie Pugsley, Long Beach, and one-half to Mary A. Campbell, Los Angeles, Calif.
Application May 18, 1943, Serial No. 487,467
3 Claims. (Cl. 153—82)



1. A tube or casing expander comprising a cylindrical body having an axial chamber, the wall of said body surrounding the lower portion of said chamber being slotted lengthwise to form a plurality of pockets, the inner surface of the wall above said pockets being threaded, inclined rods extending lengthwise through said pockets, rollers mounted for rotary and radial movement upon said rods, a mandrel having a threaded upper portion which engages the thread in the upper portion of the chamber in said body, the

lower portion of which mandrel is tapered and engages said rollers and said mandrel having a fluid circulation duct communicating with the pockets in said body.

2,383,215
MIXING VALVE
Burl A. Reynolds, Lodi, Calif.
Application July 26, 1943, Serial No. 496,164
1 Claim. (Cl. 236—12)



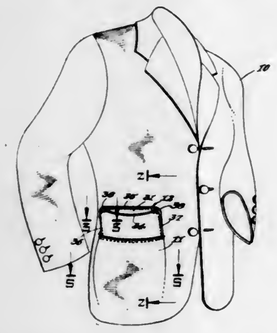
A mixing valve comprising a casing, a pair of opposed ports opening into the casing from opposite sides thereof, the inner ends of the ports being cut diagonally of the longitudinal axes of the ports and such diagonal ends being parallel to each other and disposed in spaced apart relation, a relatively flat plate disposed between the spaced diagonal ends of the ports and in parallel relation thereto, the thickness of the plate being less than the space between the ports, each end of the plate extending to a point spaced from said ports, a secondary plate connected with each end of the first plate and lying substantially parallel to the ports and to each other, a guide pin extending outwardly from each of the last named plates, guide sleeves projecting into the casing from each end of such casing, the pins being movable in guided relation in said sleeves, bellows connected in sealed relation between each of said last named plates and the adjacent end of the casing and enclosing said pins and sleeves, one of said bellows being filled with an expansible fluid; and an outlet port leading from the casing.

2,383,216
TRAILER VEHICLE
Charles Runyan, Great Meadows, N. J.
Application June 30, 1944, Serial No. 543,018
15 Claims. (Cl. 280—33.55)



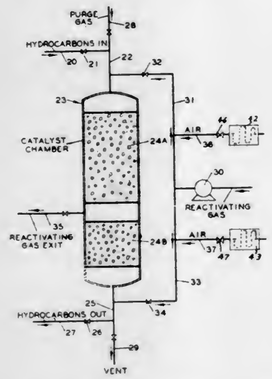
1. A self-supporting trailer having at least one rear pair of wheels and one front pair of wheels, a tongue member for attaching the trailer to a tractor vehicle, steering connections between said tongue member and both the front pair and rear pair of wheels, a steering wheel attached to the trailer and located within reach of the operator of the tractor vehicle, steering connections between said steering wheel and at least the rear pair of wheels, a manual control located adjacent said steering wheel for disconnecting the steering connections between the tongue member and the rear pair of wheels.

2,383,217
SECRET GARMENT POCKET CONSTRUCTION
Jacob I. Schaffer, New York, N. Y.
Application April 16, 1943, Serial No. 483,242
2 Claims. (Cl. 2—253)



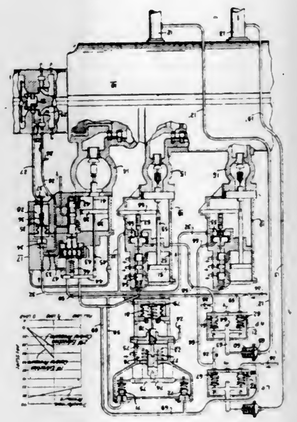
1. In a coat having a conventional lining and a conventional pocket structure having a multiply flap covering the mouth of the pocket, a secret pocket extending within said structure including its flap, said plies being separated at their upper longitudinal extremities providing a mouth for said secret pocket, said plies being secured together at their transverse extremities and over the corners formed by said transverse and longitudinal extremities and said secret pocket including a wall comprising a portion of said conventional lining.

2,383,218
HYDROCARBON CONVERSION
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 10, 1942. Serial No. 430,277
6 Claims. (Cl. 196—52)



4. A method for the catalytic conversion of hydrocarbons over solid adsorbent contact catalysts which are progressively deactivated by the deposition of carbonaceous residues thereon during said conversion, which comprises flowing said hydrocarbon vapors under conversion conditions successively through a pair of catalyst beds spaced from each other and defining a free-space therebetween until said catalyst beds are substantially deactivated, then separately reactivating each of said beds by simultaneously introducing separate streams of oxygen-containing reactivating gas under combustion conditions into each of said beds at opposite ends thereof and flowing same in opposite directions toward said free space while separately controlling the amount, flow rate, temperature and oxygen content of each of said streams in accordance with the depth and carbonaceous content of each of said beds to effectuate said reactivation simultaneously and in the same time period, thereby preventing disarrangement of said catalyst and permitting uniform combustion by the back-pressure in said free-space caused by said gas streams flowing in opposite directions, and withdrawing a combined stream of spent reactivation gases from said free-space.

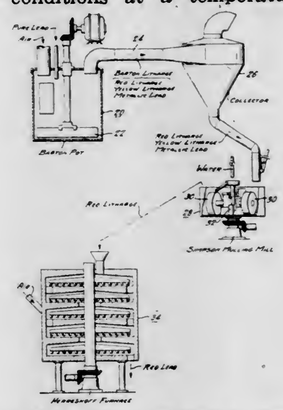
2,383,219
CONTROL APPARATUS
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 21, 1944, Serial No. 523,225
8 Claims. (Cl. 60—67)



1. The combination with an elastic-fluid turbine having an admission valve and an extraction opening, of a control system for said admission valve comprising governing means responsive to the speed of the turbine for controlling said admission valve, means for modifying the action of said governing means in response to variation in the extraction demand, and means operable in response to change in load on the turbine for limiting the control of the last-mentioned means and effecting modifying action corresponding to load on the turbine.

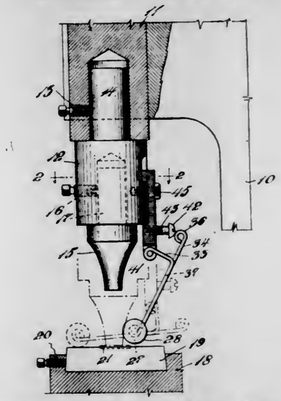
2,383,220
MANUFACTURE OF RED LEAD
Ralph L. Seabury and Robert A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1942, Serial No. 448,214
3 Claims. (Cl. 23—146)

2. In a process of making red lead from lead containing material consisting of a mixture of red and yellow litharge and metallic lead, the steps comprising converting said mixture to red litharge which is free of metallic lead, and then causing said red litharge to be transformed to red lead by agitating the red litharge under oxidizing conditions at a temperature above



750° F. and for a time sufficient to complete the reaction desired.

2,383,221
SAFETY ATTACHMENT FOR PRESSES
Joseph E. Skoog, Cranston, R. I.
Application April 21, 1944, Serial No. 532,135
4 Claims. (Cl. 74—615)

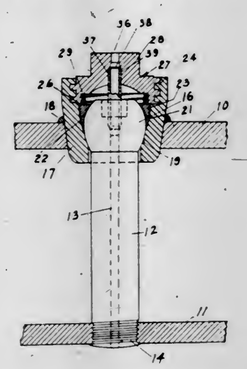


1. A safety attachment for a press having a reciprocating punch carrier and a die block comprising a member carrying a guard, means to pivotally support said member in a dependent relation on said punch carrier clear of the die block, and an adjustable stop to engage said member to position the same at such an angle to said die block that the guard will engage the die block and sweep across the path of movement of the punch carrier as the same descends.

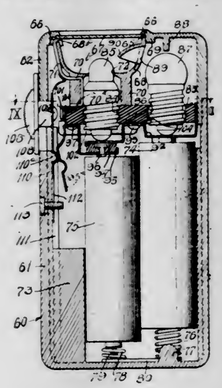
2,383,222
FLEXIBLE STAY BOLT
Lawrence W. Smith, Birmingham, Ala.
Application October 30, 1944, Serial No. 560,991
3 Claims. (Cl. 85—1.5)

1. In a flexible stay bolt having a tell tale hole extending through the outer end thereof, a sleeve surrounding the outer end of the stay bolt, and provided with a spherical seat and a wall flaring outwardly from the seat a rounded head on the stay bolt seated in the sleeve, packing in the space between the head and the flaring wall of

the sleeve, a packing ring bearing on the packing, a spring bearing against the packing ring, a plug for the sleeve having a recess therein for receiving the spring and bearing against the outer perimeter of the packing ring, and a shoulder in the sleeve against which the plug bottoms.

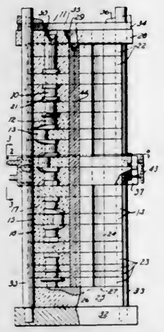


2,383,223
SEARCHLIGHT
Leland H. Snyder, Chicago, Ill., assignor to Quality Hardware and Machine Corporation, Chicago, Ill., a corporation of Illinois
Application September 21, 1942, Serial No. 459,093
5 Claims. (Cl. 240—10.6)



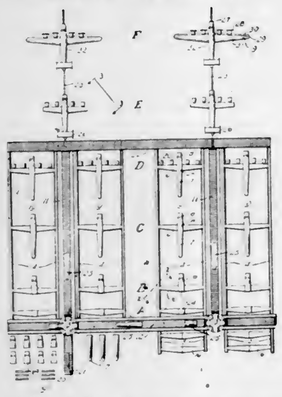
1. A battery operated flashlight adapted for use both under normal conditions and under blackout conditions including a casing, an apertured cover, an insulating reflector having a hooded slot within said cover below said aperture, an insulating panel extending within said casing, an electric bulb seated in said panel and extending into said reflector, a second electric bulb seated in said panel and extending into the vicinity of said hooded slot, an electrically conducting wire contracing the base of said first electric bulb and extending over the outside of said reflector, a second electrically conducting wire contacting the base of said second electric bulb and extending along said panel to form a post adjacent but spaced from said first wire extending over said reflector, and switch means for selectively connecting said post and said first wire extending over said reflector to a battery electrically connected to the contact points of said two electric bulbs.

2,383,224
MOLD
Charles E. Sorensen, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 25, 1942, Serial No. 432,214
9 Claims. (Cl. 22—130)



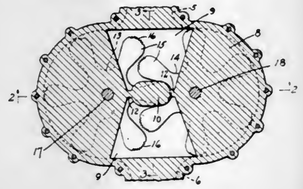
1. A mold for casting engine crankshafts having a plurality of axially aligned main bearing sections spaced therealong and having axially offset crankpin bearing sections integral therewith, comprising, adjacent stacks, each comprising a plurality of superimposed baked core sand plates, all of said plates having openings therethrough, certain of said plates having depressions on the faces thereof in communication with said openings, notches correspondingly located on the sides of each plate, said notches aligning throughout when said depressions and openings are in register, the notches on the adjacent faces of said stacks co-operating to form a pouring sprue.

2,383,225
AIRCRAFT MANUFACTURE
Charles E. Sorensen, Detroit, and Roscoe M. Smith, Ann Arbor, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 24, 1942, Serial No. 463,266
2 Claims. (Cl. 29—148)



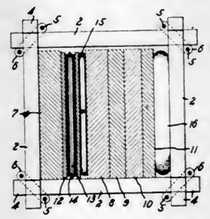
1. The method of fabricating aircraft having large wing spread from a plurality of initially fabricated major subassembly components thereof, one of said major subassembly components comprising a wing unit subassembly composed of centrally joined wing sections, and certain other of said components comprising fuselage subassemblies, said method comprising, solely supporting said wing unit by the tips of said wings, leaving the remaining portions of the unit unsupported, and while said wing unit is so supported, assembling said fuselage sections with the central portion of said wing unit, and thereafter assembling other major subassembly components thereof.

2,383,226
LIQUID METER
John A. Swindle, Whittier, Calif.
Application September 20, 1943, Serial No. 503,012
5 Claims. (Cl. 73—261)



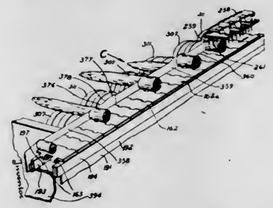
1. In a liquid meter, close, interfiitting gears having enlarged, curved tooth ends provided with reduced connections with the bodies of the gears, and having curved surfaces between the gear teeth closely interfitting the enlarged tooth ends of the opposite gear teeth, the gears having particle crushing serrations at their tips arranged to move in orbits in close proximity to the sides of teeth on the opposite gear and a housing for the gears having inlet and outlet ports.

2,383,227
APPARATUS FOR PRODUCING LAMINATED STRUCTURES
Herbert V. Thaden, Roanoke, Va., assignor to Thaden Engineering Company, Roanoke, Va., a company of Virginia
Application May 8, 1943, Serial No. 486,222
5 Claims. (Cl. 144—281)



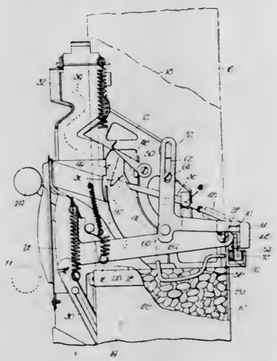
1. Apparatus for the production of laminated structures comprising a room of fixed dimensions which is closed on at least four sides by plane walls and open on at least one side in combination with at least one caul member having one side adapted to fit against one of said walls and its opposite side shaped to the desired shape of the laminated structure, at least one thin flexible sheet-like heater member and at least one thin flexible sheet-like pressure bag, said caul member, heater member and pressure bag together with the laminated structure being of such size as completely to fill the space between two opposite walls of said room when the bag is inflated, said heater member being adapted to transmit heat to and said bag being adapted to be inflated to apply pressure to an assembly of sheets of material arranged between said caul member and said heater.

2,383,228
METHOD AND APPARATUS FOR PREPARING ASPARAGUS OR THE LIKE
Albert R. Thompson, Los Gatos, and Richard D. Fox, San Jose, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 13, 1941, Serial No. 374,260
38 Claims. (Cl. 146—81)



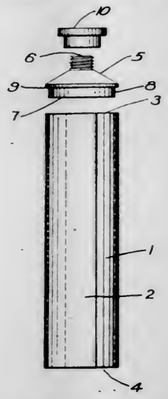
1. A machine for grading asparagus comprising a conveyor for moving the spears of asparagus along a predetermined path, means on the conveyor for supporting the butt ends of the asparagus with the free ends thereof extending laterally from said conveyor, a knife having a cutting edge inclined relative to said conveyor and arranged adjacent thereto for cutting the spears transversely of their length with an increasing depth of cut as they move along said path whereby the spears are severed according to their thickness at separated points in their travel along said path, and means at each separate point along said path for receiving the severed spears as they gravitate at said points.

2,383,229
EMPTY LOCK FOR VENDING MACHINES
Ernest H. Thompson, Winnetka, Ill.
Application April 13, 1940, Serial No. 329,436
5 Claims. (Cl. 194—1)



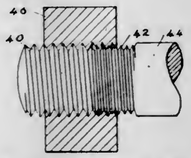
1. An empty lock for a vending machine comprising a storage bin for bulk material, means for rendering the machine inoperative, a rigid wire shaft horizontally journaled at one side of said storage bin and having an extension within the storage bin bent out of alignment with the axis of the shaft whereby said extension is responsive to the absence of bulk material in the bin and an oscillatory movement thereof will cause a rotation of said shaft, and a train of members extending between said shaft and said first named means so arranged that movement of said extension due to absence of bulk material in said bin will result in actuation of said first named means.

2,383,230
MANUFACTURE OF COLLAPSIBLE TUBES AND THE LIKE
Carl Edward Voke, Norfolk, Va.
Application April 16, 1941, Serial No. 388,717
1 Claim. (Cl. 154—42)



The method of making collapsible tubes and the like elements which include a tubular body member of one thermoplastic material and an end member of another plastic material, which comprises applying a solvent to said members, fitting the members together, permitting a preliminary bond between said members to set, and subsequently applying heat and pressure to the bonded members in sufficient amounts to thermally bond them integrally together.

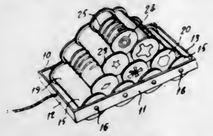
2,383,231
NUT LOCK
Edward Covey Anderton, Tappahannock, Va.
Application May 10, 1944, Serial No. 534,949
2 Claims. (Cl. 151—14)



1. An assembly of bolt and nut members in which one member thereof has a thread portion of coarse pitch and an immediately adjacent portion of fine pitch, while the other member has a thread of uniform pitch conforming to one of those of the first mentioned member; the relative positions of the threaded portions of unlike pitch being such that whether it be on the bolt or on the nut the fine pitch portion will lie between the bolt head and the coarse pitch portion.

2,383,232
TOY
Waldemar A. Ayres, Flushing, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 28, 1945, Serial No. 585,342
4 Claims. (Cl. 46—201)

1. A toy comprising a frame, a plurality of spools having a cylindrical body portion and having end flanges, means to mount the spools in the frame on axes substantially in a single plane parallel with one another and spaced slightly greater than the diameter of the spool flanges whereby the spools may act as wheels which revolve freely in the same direction when the toy is moved over a supporting surface with which the flanges are in contact, and a lesser number



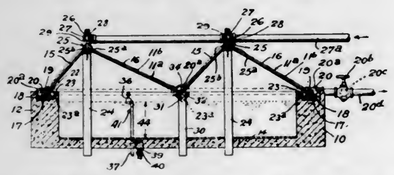
of similar spools having flanges of lesser extreme spacing than the least spacing of the flanges of the first named spools, each of the second named spools resting on the bodies of two of the first named spools between the flanges and being driven by the first named spools in a direction opposite that of the first named spools.

2,383,233
CAGE FOR ROLLER BEARINGS
John B. Baker, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application October 11, 1944, Serial No. 558,136
6 Claims. (Cl. 308—218)



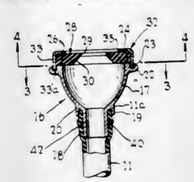
1. A cage for a roller bearing comprising a resilient strip shaped to form separate but interconnected sections constituting individual roller pockets, each section comprising end members each forming one end of a roller pocket and side or bridge members, each of said bridge members having a portion extending along a portion of a side of one roller pocket, a cross-over portion and a portion extending along a portion of one side of an adjacent roller pocket, whereby said sections are spaced apart to accommodate movement of individual rollers and are restored to normal position by the resilience of the cage.

2,383,234
SOLAR WATER STILL
William Speight Barnes, Tucson, Ariz.
Application April 29, 1942, Serial No. 440,951
2 Claims. (Cl. 202—234)



1. In a solar distilling apparatus, a raw water receptacle having watertight walls, a sheet of transparent material having its lower edge supported by one of said walls whereby same is permanently secured in watertight relation thereto, said sheet extending upwards from said wall at an angle so as to overlie the water surface of said receptacle, an apex support for the upper edge of said sheet secured to said receptacle, a second sheet having its upper edge secured to said support and extending downwardly at an angle and overlying the water surface of said receptacle, a bottom support for the bottom edge of said second sheet, means enclosed by said sheets and walls for collecting condensate formed on the underside of said sheets and delivering said condensate to a point outside said still, and a sprinkler pipe mounted on said apex support above the apex of said sheets whereby water may be delivered to the outer surface of both said sheets to cool the condensate formed on the inner surfaces thereof.

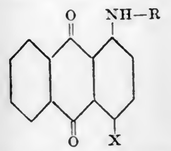
2,383,235
SPRAYING DEVICE
Percy M. Brown, Tenafly, N. J.
Application November 15, 1943, Serial No. 510,312
2 Claims. (Cl. 285—90)



1. An adaptor, comprising a funnel like member formed with an annular groove at its large open end, a disc on said large end, said disc being formed with a central opening, the outer diameter of said disc being less than the diameter of said groove, and a retainer for retaining said disc on said member, said retainer having a cylindrical wall surrounding the outer edge of said disc, one end edge of said cylindrical wall being received in said annular groove and fixed therein, and said retainer having a top flange engaging the top of said disc to retain the same on the large end of said member.

2,383,236
ANTHRAQUINONE DERIVATIVES
Gerard Dunstan Buckley and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 13, 1942, Serial No. 446,928. In Great Britain July 7, 1941
2 Claims. (Cl. 260—379)

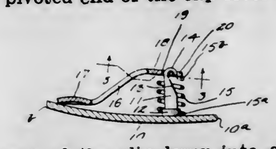
1. The anthraquinone compounds of the formula:



wherein X stands for a substituent of the class consisting of —NHCH$_3$ and —NHR where in each case R stands for an alkoxy substituted alkyl radical of the group consisting of alkoxy-alkoxy-alkyl- and alkoxy-alkoxy-alkoxy-alkyl-radicals in which the alkoxy substituted alkyl radicals contain from 5 to 10 carbon atoms.

2,383,237
ATTACHING CLIP FOR EAR ORNAMENTS
Charles A. Buick, Rockville Centre, N. Y.
Application April 29, 1943, Serial No. 485,068
9 Claims. (Cl. 63—14)

9. In an attaching clip for ear ornaments, an ornamental body having a pedestal rising therefrom, a clip lever having one end loosely and removably engaged with the upper end of the pedestal, and a spring interposed between the body and pivoted end of the clip lever for forcing



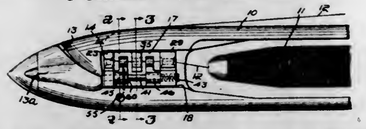
the free end of the clip lever into engagement with said body, said spring having an interfitting connection with said pedestal for maintaining the spring in operative position relative to the associated clip lever.

2,383,238
BUTTON
Magnus Cohen, Chiswick, London, England
Application July 23, 1943, Serial No. 495,877
In Great Britain August 21, 1942
5 Claims. (Cl. 24—90)



1. A button for the purpose described, comprising a central portion, said central portion consisting of four strips arranged at 90° apart and integral with one another at the centre of the button, and a flat circular rim with which the outer ends of the strips are formed integral, each of said strips being of a width about equal to the thickness thereof and of the rim, said strips and rim inclosing four segmental openings.

2,383,239
SHUTTLE THREADING AND TENSIONING DEVICE
Joseph Coldwell, Fall River, Mass., assignor to John S. Coldwell, Fall River, Mass.
Application July 24, 1943, Serial No. 496,256
8 Claims. (Cl. 139—215)



1. In a threading and tensioning device for a shuttle, a base having spaced standards, said standards having aligned thread retaining eyes, slots communicating with said eyes, guide openings for said slots, whereby a thread may be drawn through said guide openings and said thread retaining eyes, and a thread tensioning device mounted on said base between said spaced standards for engaging the thread passing through the aligned thread retaining eyes.

2,383,240
CENTRIFUGING MACHINE
Henry Crewdson, Chester County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 3, 1942, Serial No. 433,155
7 Claims. (Cl. 210—71)

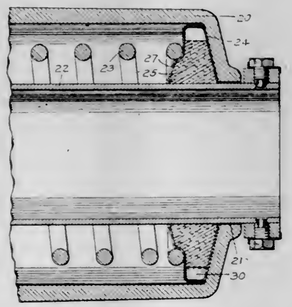
1. In apparatus for treating filamentary material, a plurality of centrifugal buckets, axially

movable means in said buckets comprising a platform for supporting filamentary material, a plurality of motors, spindles concentric with the movable means and connecting the motors directly with the buckets for driving said buckets, means for continuously moving said motors and



buckets in a predetermined path, means for operating said motors during a portion of said motion, and cam means at a different portion of said path arranged to axially move said movable means to at least partially eject said filamentary material from said buckets when they pass said portion.

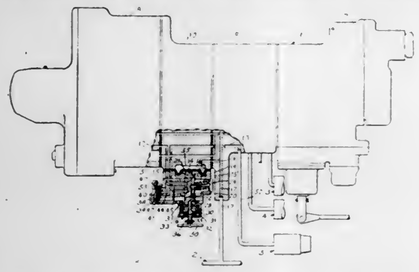
2,383,241
BRAKE CYLINDER
Sidney G. Down,, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 6, 1943, Serial No. 481,995
3 Claims. (Cl. 286—30)



1. In a brake cylinder having a non-pressure head, a piston rod extending through an opening therein, and a piston return spring coiled coaxially about said rod, the combination therewith of a piston rod packing assembly comprising an annular channel member interposed between said spring and an end wall of said non-pressure head and encircling said piston rod, and an annular fibrous packing element mounted within said channel element and having an inner surface disposed in sealing engagement with said piston rod, said channel member having a skirt portion which is yieldable so as to transmit a component of the total force exerted by said spring to said fibrous packing element for urging same against the piston rod.

2,383,242
BRAKE CYLINDER RELEASE MEANS
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 12, 1943, Serial No. 498,324
13 Claims. (Cl. 303—68)

1. In a release valve device of the type constructed and arranged for interposition in a fluid conducting communication leading from the brake controlling valve device to the brake cylinder of a fluid pressure brake apparatus, said valve device comprising in combination, a valve having an open position and a closed position interposed in said communication, said valve being responsive to the pressure of fluid supplied by said brake controlling valve device to said brake cylinder for moving said valve to its open position, fluid pressure means responsive to the pressure of fluid sup-



plied by said brake controlling valve device to said brake cylinder for actuating said valve to, and for maintaining it in, its closed position, and manually operative means having a normal position in which said fluid pressure means is rendered ineffective to actuate said valve to its closed position and movable to another position in which the fluid pressure means is rendered effective to actuate said valve to its closed position and to vent the brake cylinder.

2,383,243
ANGLE AND DISTANCE GAUGE
Robert L. Ebinger and Cecil E. Meree, Charleston, S. C.
Application January 23, 1943, Serial No. 473,366
7 Claims. (Cl. 33—174)

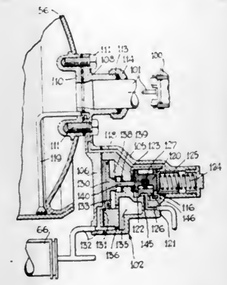


1. A gauge comprising a pair of parallel bars, a pair of adjustable clamping devices mounted at spaced points along said bars for adjustably clamping said bars in fixed spaced relation, a rotary shaft carried by said gauge and mounted substantially parallel with said bars, said rotary shaft having threaded engagement with the movable operating element of one of said clamping devices so that rotation of said shaft moves said operating element towards or away from the other clamping device.

2,383,244
AUTOMATIC DRAIN VALVE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,670
3 Claims. (Cl. 303—88)

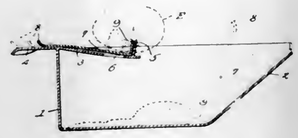
1. The combination with a main reservoir and a brake cylinder in an air brake equipment, of a drain valve device comprising a casing having a drain passage and a discharge port, a spring, a movable abutment subject to the opposing pressures of air in the brake cylinder and of said spring, and a slide valve actuated by said movable

abutment and operative to establish communication between said drain passage and said dis-



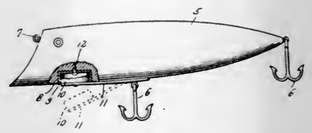
charge port, said slide valve being constructed and arranged to be constantly loaded under the pressure of air in said reservoir.

2,383,245
EGG SEPARATOR
Ida J. Fedje, Minneapolis, Minn.
Application March 5, 1945, Serial No. 581,134
3 Claims. (Cl. 146—2)



1. An egg separator including a container, a shelf overlying a portion of the container and extending downwardly thereinto, said shelf having an opening therethrough for the delivery of the contents of an egg shell into the container, an upstanding flange on the shelf, a cover movably mounted on the shelf and normally closing the opening, and an upstanding flange on the cover and normally positioned against the flange on the shelf, said flanges constituting means for breaking through the shell of an egg when struck thereagainst.

2,383,246
FISH LURE
Otto A. Fiskaali, Fitchburg, Mass.
Application June 21, 1943, Serial No. 491,684
5 Claims. (Cl. 43—46)

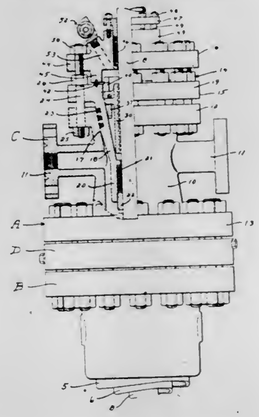


4. A fish lure comprising a body, and a bubble-producing unit carried by the body, said unit comprising a cup-shaped structure adapted for holding an oxygen tablet or the like, said body having a recess therein for receiving the cup-shaped structure, and a flat spring arm attached to the body and having one end arranged to retain the cup in the recess.

2,383,247
TREATMENT OF CERTAIN SODIUM-SULPHUR COMPOUNDS TO PRODUCE CERTAIN SOLUBLE NONSULPHUR COMPOUNDS OF SODIUM
Daniel Gardner, New York, N. Y.
No Drawing. Application June 5, 1942, Serial No. 445,966
5 Claims. (Cl. 23—63)

1. In a continuous process for the production of a sulphur-free sodium carbonate from a sodium-sulphur salt of the group consisting of sodium sulphate, sodium acid sulphate and sodium sulphide; the steps comprising heating a mixture of the starting sodium salt and a reacting agent of the group consisting of the hydroxide, oxide, and carbonate of the metals calcium, barium, and lead above the melting temperature of the mixture, flowing the molten mixture into water, and reacting it during such flow with water and carbon dioxide to produce sodium carbonate, dissolving the carbonate in the water, and separating the sulphur-free carbonate from the insoluble residue.

2,383,248
COMBINATION TUBING HEAD AND TUBING SUPPORT
Ernest Dean Garrett, Shreveport, La., assignor to The Brewster Company, Inc., Shreveport, La., a corporation
Application October 25, 1941, Serial No. 416,567
5 Claims. (Cl. 166—14)

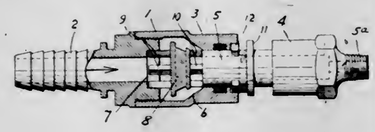


1. A combination tubing support and double seal head, comprising a tubing head body having an upper flange, a tubing supporting means carrier seated in said body having a flange at its upper end and primary tubing sealing means at its lower end, a secondary tubing sealing member having a flange, and flange bolts and nuts connecting said body, carrier and sealing member in assembled relation and permitting removal of the secondary sealing member independent of the connection between the tubing head body and tubing supporting means carrier.

2,383,249
HOSE COUPLING WITH CHECK VALVE
Pierre M. Hardwick, Altadena, Calif.
Application May 13, 1943, Serial No. 486,795
4 Claims. (Cl. 284—19)

1. In a hose fitting provided with built-in check valve and having a hollow internally un-

obstructed valve body provided at one end with a tubular shank and at the other end with a tubular neck and with a valve seat and having a valve, the combination of two sets of oppositely disposed spaced fingers projecting from the respective faces of the valve and of which one set



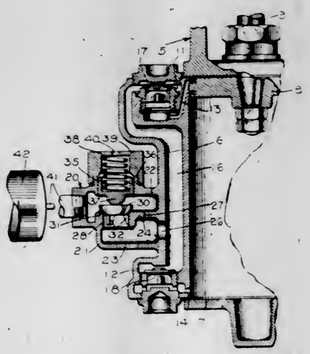
projects into the shank and slides on the internal cylindrical surface thereof when the valve is open and seats on a stop flange provided in the shank and of which the other set slides on the internal cylindrical face of the tubular neck when the valve is open.

2,383,250

COMPRESSOR THROTTLING APPARATUS

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 29, 1942, Serial No. 460,131
14 Claims. (Cl. 230—2)



1. In an apparatus of the class described including a compressor and a reservoir, in combination, a throttling valve device comprising casing means including a wall interposed in the communication between the outlet of said compressor and said reservoir, said wall having an always-open restricted passage, and valve means controlling an additional communication of larger capacity between said compressor outlet and said reservoir, said valve means being responsive to pressure of fluid in said reservoir.

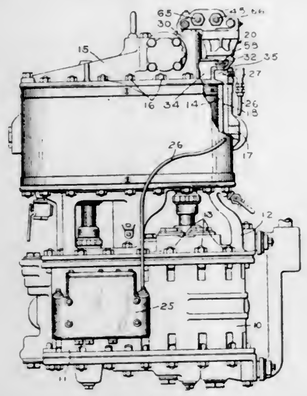
2,383,251

COMPRESSOR HEAD AND GOVERNOR ASSEMBLY

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 30, 1943, Serial No. 485,192
4 Claims. (Cl. 230—9)

1. A combination head and governor assembly for a steam driven air compressor comprising a compressor head having an elevated controlling valve portion and a steam inlet passage, steam cut-off valve means interposed in said passage, and a governor device mounted on said head for operating said cut-off valve means, said governor



device having a casing structure conformed to fit about said elevated control valve portion and substantially within the outside clearance dimensions of the compressor.

2,383,252

METHOD OF MAKING PLASTER RETARDER

Harry N. Huntzicker, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 12, 1940, Serial No. 369,805
3 Claims. (Cl. 106—315)

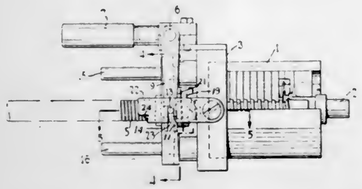
1. The process of producing a substantially non-hygroscopic and non-aging organic retarder for gypsum plasters which comprises hydrolyzing 100 parts of a protein with water under a steam pressure of about 40 pounds per square inch with from 2 to 5 parts of an alkali metal hydroxide in the presence of from 20 to 30 parts of calcium hydroxide for a time sufficient to produce a calcium compound of the hydrolyzation product.

2,383,253

APPARATUS FOR MAKING CORRUGATED TUBING

David Ingalls, Westfield, N. J., assignor to Titeflex, Inc., a corporation of New Jersey

Application October 31, 1942, Serial No. 464,004
11 Claims. (Cl. 113—35)



1. In means for compressing a helically corrugated tube, the combination with an abutment defining a helical path of a given pitch for the helical corrugation of said tube passing therethrough, of a second abutment defining a helical path for the helical corrugation of less pitch than

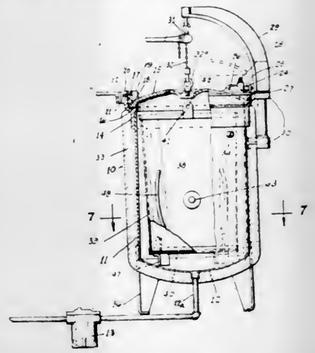
the aforesaid path, said second abutment being adapted to receive the said tube from said first mentioned abutment, and means for relatively rotating said tube and said abutments, said abutments being relatively longitudinally movable to initially compress the said tube.

2,383,254

CALCINING PROCESS AND APPARATUS

Heinrich C. Jessen, Wilmette, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 4, 1941, Serial No. 405,364
6 Claims. (Cl. 23—122)



5. A process of calcining a body of gypsum rock which includes the steps of removing fines from the rock to be calcined; loading the resulting rock into a receptacle; transporting the receptacle and rock bodily into a calcination zone; introducing steam under pressure into said calcination zone for a time to effect uniform calcination of said gypsum rock; removing said calcined gypsum rock and said receptacle bodily from said calcination zone; discharging said calcined rock from said receptacle while still hot into a heating zone whereby steam is expelled from the rock to prevent rehydration thereof during subsequent cooling; and finally comminuting the resulting mass to produce a finely divided, uniformly calcined product.

6. In an apparatus for producing pressure-calcined gypsum, a calcination chamber having an open top, a removable cover normally closing the top of said chamber in pressure sealing relationship, a bucket disposed within said chamber, said bucket having a perforated bottom spaced from the bottom of said chamber and having side walls with outwardly and vertically extending flanges secured thereto and in a central portion thereof whereby positively to space said side walls from the walls of the chamber, means for introducing steam into said chamber, means for withdrawing water of condensation from said chamber, and means for lifting said bucket from said chamber through the open top.

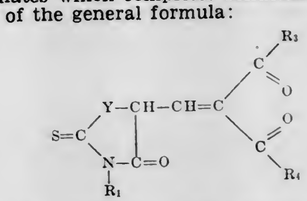
2,383,255

DYESTUFF INTERMEDIATES

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application April 9, 1943, Serial No. 482,494. In Great Britain April 23, 1942
18 Claims. (Cl. 260—302)

1. Process for the production of dyestuff intermediates which comprises condensing a compound of the general formula:



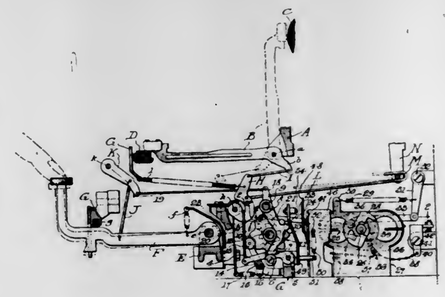
(where Y represents an atom selected from the class consisting of oxygen atoms and sulphur atoms, R_1 is selected from the class consisting of the hydrogen atom and hydrocarbon groups and R_3 and R_4 are each hydrocarbon groups) with a compound selected from the class consisting of compounds of the formula R_2SH, $(R_2S)_3CH$ and $(R_2O)_3CH$ where R_2 is a hydrocarbon group, in the presence of a condensing agent selected from the class consisting of mineral acids and alkyl and aralkyl salts of mineral acids and in the presence of a solvent for the reactants.

2,383,256

TYPEWRITING MACHINE

John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application July 3, 1943, Serial No. 493,449
17 Claims. (Cl. 197—17)



1. In a typewriter or like machine, a movable type member; power means urging said member to typing position; means normally restraining said power means; key responsive means for releasing said restraining means to enable said power means to move said member to printing position; means for both piloting said member to printing position and for resetting said member in inactive position; an electric motor including a pivoted oscillatory armature; and means operatively connecting said armature to said piloting and resetting means.

2,383,257

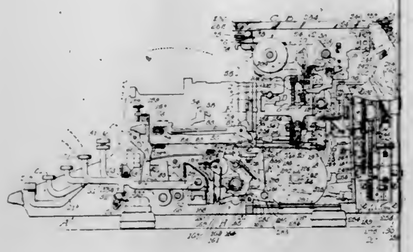
TYPEWRITING MACHINE

John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application July 3, 1943, Serial No. 493,450
27 Claims. (Cl. 197—17)

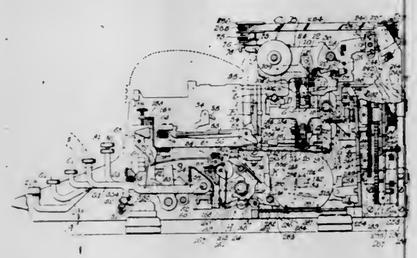
19. In a typewriter or like machine, a movable type member; a loaded spring urging said mem-

ber to typing position; a keeper normally restraining said loaded spring to permit said type member to remain in normal position; a resetting member normally positioned to also restrain said



loaded spring; and key controlled mechanism for actuating said keeper and said resetting member to discontinue the restraint of both on said loaded spring.

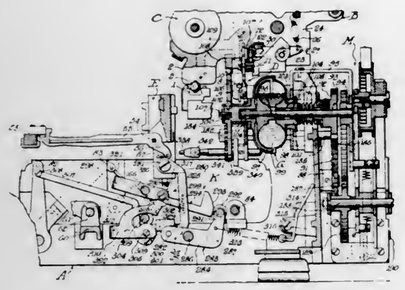
2,383,258
TYPEWRITING MACHINE
John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application July 3, 1943, Serial No. 493,450. Divided and this application March 4, 1944, Serial No. 525,058
44 Claims. (Cl. 197—66)



1. In a typewriter or like machine, a frame; a carriage mounted thereon for letter-spacing and return movements; a motor; an impositive drive fluid coupling having a propeller element and a runner element; driving connections between said runner element and said carriage; and reversible constantly meshing driving gear connections between said motor and said propeller element.

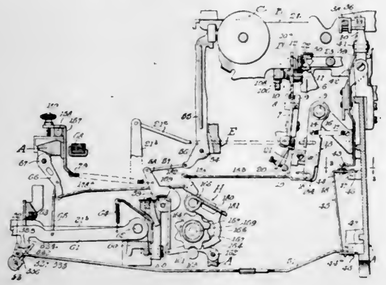
2,383,259
TYPEWRITING MACHINE
John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application July 3, 1943, Serial No. 493,450. Divided and this application March 4, 1944, Serial No. 525,059
14 Claims. (Cl. 197—74)

1. In a typewriter or like machine, a case shift member movable selectively to two positions and being biased toward one of said positions; a cam follower connected to said member; a cam engageable with said follower and normally positioned to maintain said member in the other of said positions against said bias; a shift key; means responsive to operation of said shift key for moving said cam to enable said follower to move under the urge of said bias and to thus permit movement of said shift member to said one



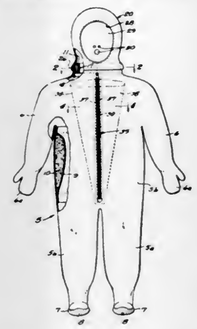
of said positions; a shift reset key; and power driven means responsive to operation of said shift reset key for actuating said cam to move said follower against said bias and to thereby move said shift member back to said other of said positions.

2,383,260
TYPEWRITING MACHINE
John Joseph Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application July 3, 1943, Serial No. 493,450. Divided and this application March 4, 1944, Serial No. 525,060
2 Claims. (Cl. 197—107)



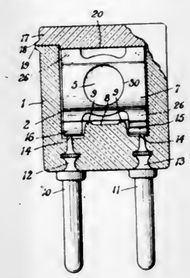
1. In a typewriter or like machine, a plurality of type members; means including a plurality of key levers associated respectively with said type members for effecting selective operation of said type members; aligned abutments on said key levers, each including a heel and a toe spaced horizontally from said heel and at substantially the same level therewith; a blocking device; and means pivoting said device to rock about an axis parallel to the direction of alignment of said abutments, said device comprising a blocking part positioned out of the paths of said abutment toes when said device is in normal position and an operating part formed integrally with the blocking part and normally being disposed in the paths of said abutment heels and being engageable by the abutment heels on an operated key lever for rocking said device to position said blocking part thereof in the paths of the other abutment toes.

2,383,261
LIFE PRESERVING SUIT
Semen Kronhaus, Los Angeles, Calif.
Application June 1, 1942, Serial No. 445,292
2 Claims. (Cl. 2—2.1)



1. A life-preserving device of the class described comprising a garment member adapted to receive and enclose the body of the user, said garment member having a neck opening, a longitudinal slit intersecting the neck opening whereby to enable the user to don the garment by pulling it longitudinally over the body, and a laterally expansible ring secured to the garment around the neck opening, said ring being composed of hinged segments detachably secured together in end-to-end engagement at the front ends thereof.

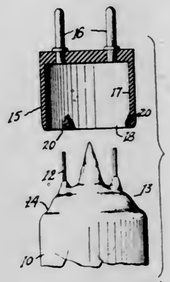
2,383,262
CRYSTAL
Walter E. Kuenstler, Cliffside Park, N. J.
Application September 16, 1944, Serial No. 554,401
8 Claims. (Cl. 171—327)



1. In a crystal assembly, a casing composed of X-ray penetrable material, a crystal, electrodes of X-ray penetrable material between which the crystal is sandwiched, a plate member operative against one of the electrodes, said plate member being centrally apertured to expose the central portion of the electrode against which the plate member is disposed.

2,383,263
TUBE AND BASE STRUCTURE
William P. Kruger, New York, N. Y., assignor to Electrons, Inc., Newark, N. J., a corporation of Delaware
Application February 12, 1944, Serial No. 522,170
2 Claims. (Cl. 176—32)

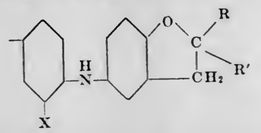
1. A bulb and base comprising a glass bulb having an annular surface for attachment to a base, a base of material of different coefficient of expansion from the glass of said bulb and having a hollow formation with a deformable edge adapted for attachment to said annular surface of said bulb, and a plurality of individual masses of cement between said bulb and base spaced to leave intermediate open uncemented spaces and bond-



ed to the bulb and base surfaces to form separated anchorages firmly attaching said edge to said annular surfaces while maintaining relatively extensive intermediate surfaces of said bulb and base unattached and free to shift relatively without overstressing the bulb under variations in heating and cooling of the tube.

2,383,264
AZO DYESTUFFS FROM 5-AMINO COUMARAN
Hans Z. Lecher, Plainfield, and Robert Prescott Parker and Robert Sidney Long, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 10, 1943, Serial No. 513,740
6 Claims. (Cl. 260—152)

1. New azo dyestuffs of the general formula A—N=N—B in which A is the residue of a coupling component and B is the residue of a diazotized N-para-aminophenyl-5-amino coumaran having the type formula

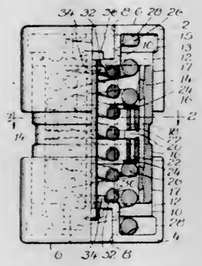


in which X is a member of the group consisting of hydrogen and sulfonic acid radicals and R and R′ are selected from the group consisting of hydrogen and the lower alkyl radicals.

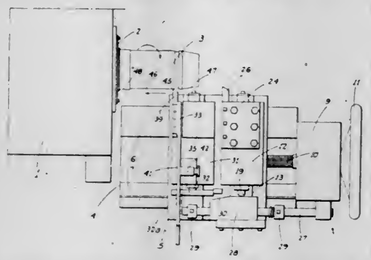
2,383,265
SNUBBER
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 27, 1942, Serial No. 452,425
16 Claims. (Cl. 267—9)

1. In a friction device, top and bottom followers presenting inner cylindrical friction faces, a plurality of arcuate friction shoes having friction surfaces seated against said faces, a ring spring assembly confined within said shoes urging them outwardly into engagement with said followers, and a plurality of compression springs housed within said followers, certain of said com-

pression springs extending between said followers and other of said compression springs being confined within the respective followers and seating against said assembly.

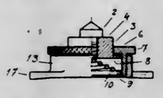


2,383,266
FEED CARRIAGE ASSEMBLY FOR LATHES
Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application November 24, 1941, Serial No. 420,244
6 Claims. (Cl. 82—14)



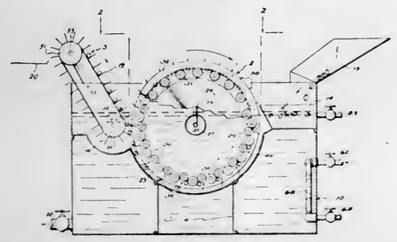
1. In a lathe which includes a bed and a power fed longitudinally movable carriage mounted thereon; a cross slide mounted on the carriage, a tool carried by the cross slide, a horizontal shaft mounted in fixed connection with the bed and disposed adjacent but outwardly of the cross slide parallel to the direction of movement of the carriage, a cam member slidably mounted on said shaft, means on the shaft to limit movement of said cam member through a predetermined path, said member having a cam face of predetermined pattern facing the cross slide, and an element mounted on said cross slide and normally engaging said cam face in frictional but sliding relation.

2,383,267
NONSKIDDING DEVICE
Thure Malmqvist, Stockholm, Sweden
Application September 9, 1943, Serial No. 501,697
In Sweden October 2, 1942
11 Claims. (Cl. 36—66)



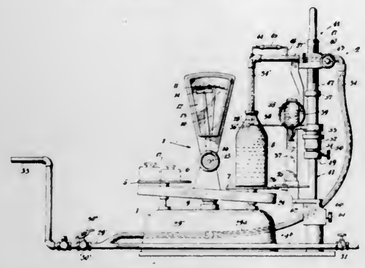
1. A non-skidding device for shoes, consisting of a mounting adapted to be attached to the shoe beneath the shank immediately in front of the heel, and a spike removably fastened to the mounting by means of bayonet catches and resiliently yieldable in the direction in which it is pressed in.

2,383,268
METHOD AND APPARATUS FOR REMOVING THE STEMS AND CAPS FROM BERRIES AND SIMILAR TYPES OF FRUIT, ETC.
Arthur H. Morgan, Knoxville, Tenn.
Application February 12, 1944, Serial No. 522,126
12 Claims. (Cl. 146—55)



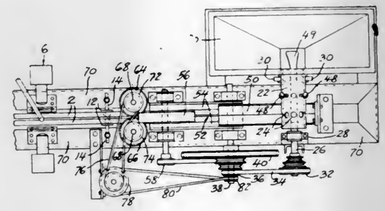
1. In the destemming of fruit and the like wherein a tank is employed containing a liquid in which the fruit tends to float and a rotating destemming cylinder is supported in the tank partly immersed in the liquid and with its axis mounted substantially horizontally, the process which comprises introducing fruit to be destemmed into the liquid on the side of said rotating cylinder which is rotating downwardly into the liquid, causing the fruit to contact the cylinder and to pass circumferentially and underneath it to the opposite discharging side thereof, removing the stems while the fruit is being held in contact with said cylinder by its tendency to float and removing the destemmed fruit from the liquid on the discharging side of said cylinder.

2,383,269
WEIGHT AND CAPACITY TESTING DEVICE
George P. Nairn, Salem, N. J., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application January 29, 1943, Serial No. 474,021
12 Claims. (Cl. 73—149)



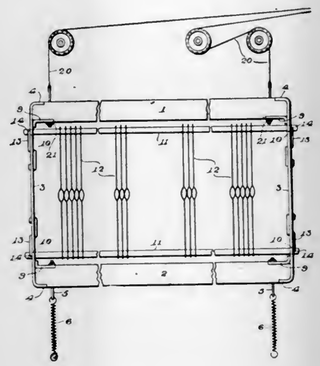
6. The combination with a balance having a platform, of a scale and pointer for indicating on the scale small fractions of the weight of a container on the platform, a device settable to hold the platform against movement, a second pointer, a siphon including a rapid flow tube for rapidly filling and partly emptying the container with liquid, a smaller tube for slowly siphoning off liquid after a first portion of liquid has been rapidly siphoned off, means for setting the smaller tube to a height to correspond with said second pointer, and a second scale graduated to show small volumes of liquid in the container and settable along the travel of the first pointer to show by said first pointer said volume of liquid.

2,383,270
DEVICE FOR ARRANGING ARTICLES ON CONVEYING MEANS
Herbert O. Niederer and Otto C. Niederer, Titusville, N. J.
Application November 21, 1942, Serial No. 466,504
3 Claims. (Cl. 198—34)



1. In a rivet handling device having parallel bands spaced apart a sufficient distance to support rivets with the heads thereof resting on the bands and with the shanks thereof extending downward between the bands, means for arranging the rivets on said bands in said position and in spaced relation, comprising, means for delivering rivets to said bands, guide means located adjacent said bands for directing said rivets to the space between the bands, means for returning to said guide means those rivets carried by the bands and not so positioned, and means located below said bands and engageable with the shanks of the positioned rivets to space them apart along the bands.

2,383,271
HEDDLE FRAME SUPPORT
Richard T. Osteen, Greenville, S. C., assignor to Walker Manufacturing Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Original application June 17, 1943, Serial No. 491,215, now Patent No. 2,344,212, dated March 14, 1944. Divided and this application November 2, 1943, Serial No. 508,703
6 Claims. (Cl. 139—92)



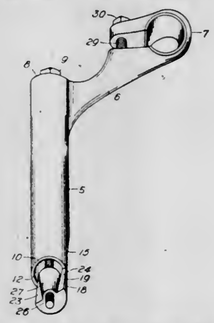
1. A heddle-supporting frame, comprising spaced shafts, spacing members having angular extensions and connecting the end portions of said shafts, heddle bars operatively supported between said shafts, and frame-shifting means, said shifting means being connected to said angular extensions.

2,383,272
DEEP HOLE INDICATING APPLIANCE
Ernest V. Page, Portsmouth, N. H., assignor of one-half to Harold V. Flanders, No. Weare, N. H.
Application April 30, 1943, Serial No. 485,230
2 Claims. (Cl. 33—172)



1. A hole gauge of the character described comprising an elongated barrel, a shaft disposed longitudinally through the barrel and adapted for rotation, a springable feeler pivotally secured to one end of the barrel, means at a corresponding end of the shaft for engaging the feeler whereby the shaft is rotated when pressure is exerted on the feeler, a gauge instrument at the other end of the barrel and means driven by the shaft for actuating the instrument, said means for engaging the feeler comprising a pair of pintles projecting laterally from the shaft one at each side of the feeler.

2,383,273
STEERING POST
Ewald F. Pawsat, Maysville, Ky.
Application May 26, 1944, Serial No. 537,429
6 Claims. (Cl. 287—54.1)

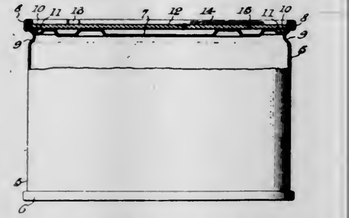


1. In a device of the class described, the combination of a hollow post having an apertured upper end, and a blunt open stub end including a peripheral edge of approximate half-circle extent lying in a plane substantially perpendicular to the longitudinal axis of the post, a pair of wedge surfaces beginning at the terminal ends of said edge and converging to a point on the outer surface of the post, a wedge nut internally threaded and including wedge surfaces complementary to the wedge surfaces of the post, and a bolt having a headed shank received in the aperture of the post, and a threaded end engaging the threads of the wedge nut, for moving the nut in opposite directions lengthwise of the post.

2,383,274
RECLOSABLE METAL CONTAINER
William F. Punte, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 4, 1943, Serial No. 504,943
5 Claims. (Cl. 220—48)

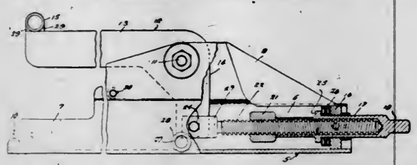
1. In a metallic container of the character described, a body having an inwardly directed bead adjacent an end thereof, and a metal closure

affixed to said end by an upstanding rolled seam, said closure having a peripheral portion directly contacting the upper portion of the bead and a pinch score in said peripheral portion extending continuously therearound at a diameter greater than the internal diameter of said bead and weakening the closure so as to permit easy tearing out



of the central part of the closure without destroying the effectiveness of the closure in the original sealing of the container, the projection of the bead inwardly beyond the score serving to shield the metal edge provided as a result of the tearing out of the central part of said closure from direct contact by a hand of a user of the container.

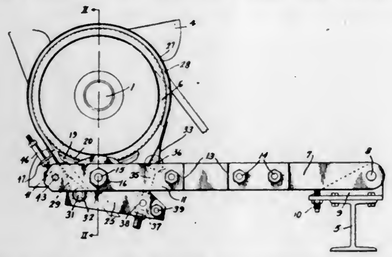
2,383,275
VEHICLE JACK
James W. Scane, Windsor, Ontario, Canada
Application January 25, 1945, Serial No. 574,485
5 Claims. (Cl. 254—126)



1. A vehicle jack comprising an elongated base adapted to lie on the ground along one side of the vehicle wheel, a stationary thrust block carried by one end of the base, a thrust sleeve journaled in said thrust block and disposed parallel with and above the bottom of the base, said thrust sleeve having a polygonal outer end to facilitate the application of a wrench thereto for turning the same, a nut rigid with the inner end of the thrust sleeve, an operating screw having threaded engagement in the nut and movable within the thrust sleeve, a thrust bearing between the thrust sleeve and the thrust block, a lifting lever of bell crank form pivoted on the base upon an axis transverse to the latter, said lifting lever including an arm projecting toward the end of the base opposite that at which the thrust block is located and a shorter arm depending adjacent the inner end of the operating screw, and a pivotal connection between said operating screw and the second-named arm of said lifting lever.

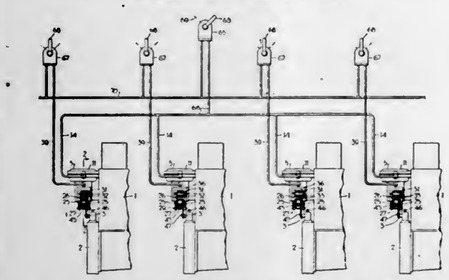
2,383,276
DIFFERENTIAL BACKSTOP FOR CONVEYERS, ELEVATORS, ETC.
Paul A. Smith, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a corporation of Illinois
Application July 31, 1944, Serial No. 547,458
2 Claims. (Cl. 188—82)

1. In an automatic backstop brake for an elevating machine, a brake drum on a shaft of the machine, a freely projecting supporting arm pivoted near one end to the frame of the machine, a brake shoe pivotally connected to the free portion of said arm, a brake band around said drum, a bell crank member carried by said arm with its elbow pivoted on the same axis as the brake shoe, the ends of said band being connected to said bell crank member on opposite sides of the pivot point but at different distances therefrom,



means to limit the pivotal movement of said arm away from said drum, and means to limit the release movement of said band when the drum rotates in a forward direction to maintain sufficient friction to automatically cause a locking of the band when the drum tends to turn in a reverse direction.

2,383,277
CONTROL APPARATUS
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 27, 1942, Serial No. 444,742
8 Claims. (Cl. 60—97)

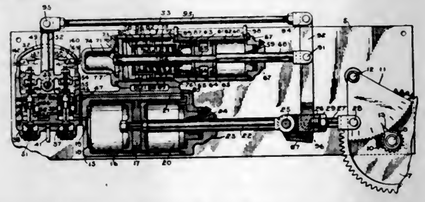


6. In a control apparatus, a plurality of movable control elements, means operative to effect simultaneous movement of all of said control elements, another and separately operable means operative to effect individual movement of one of said control elements relative to movement effected in response to operation of the first named means to obtain the same movement of all of said elements, and means operative upon a certain operation of the first mentioned means to provide like movements of all of said elements and to render the second mentioned means ineffective to effect movement of the respective element.

2,383,278
FLUID PRESSURE CONTROL MECHANISM
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 29, 1942, Serial No. 463,792
5 Claims. (Cl. 121—38)

4. A control device comprising in combination a casing, piston means in said casing movable in one direction upon supply of fluid under pressure

to one side and in the opposite direction upon supply of fluid under pressure to the opposite side, a pre-compressed spring in said casing interposed between said piston means and casing for opposing movement of said piston means in either di-

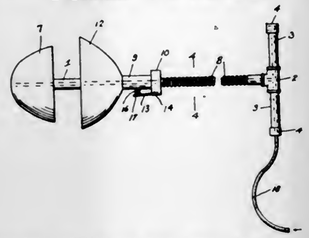


rection from a neutral position by fluid under pressure, and one or more other pre-compressed springs in said casing cooperative with the first named spring in certain positions of said piston means at both sides of said neutral position to define said certain positions.

2,383,279
DEALKYLATION OF ALKYLPHENOLS
Gordon H. Stillson, Oakmont, Pa., and John B. Fishel, Hagerstown, Md., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 30, 1942, Serial No. 460,308
2 Claims. (Cl. 260—621)

1. A process for producing mono-olefins containing at least four carbon atoms and phenols comprising heating at an elevated temperature below about 270° C., an alkylphenol phenol having an alkyl substituent containing at least four carbon atoms, with a small amount of tetraphosphoric acid.

2,383,280
SYRINGE
Alonzo J. Williams, McLoud, Okla.
Application November 8, 1943, Serial No. 509,483
1 Claim. (Cl. 128—239)

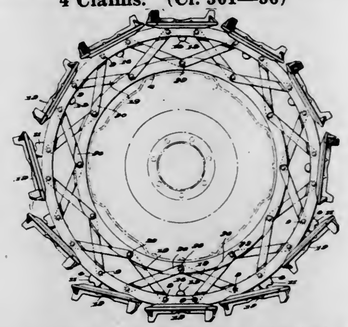


A syringe of the class described comprising a tubular stem for passing liquid therethrough and provided with a rear end hollow handle adapted for connection to a liquid pressure line, a shell-like head mounted on the front end of said stem, said head having a rounded front end and flaring rearwardly, a clamping shell similar to and larger than said head and flaring forwardly, and means to mount said clamping shell on said stem for sliding movement along the stem toward said head into different set positions comprising circular ratched teeth on said stem, a sleeve endwise slidable and rotatable on said stem over said teeth said clamping shell being threaded on said sleeve, and a dog on said sleeve ratcheting forwardly over said teeth and coacting with said teeth to dog rearward movement of said sleeve, the mounting for said head comprising a sleeve on the front end of said stem and upon which said head is threaded, the last-mentioned sleeve being adjustable along the stem to adjust said head and of the same diameter as the sleeve first mentioned whereby said head and shell are interchangeable.

2,383,281
PROCESS FOR PRODUCING MAGNESIUM CONTAINING BERYLLIUM
Charles B. Willmore, New Kensington, Pa., and Frank D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 8, 1944, Serial No. 517,604
4 Claims. (Cl. 75—168)

1. A process for processing magnesium containing beryllium comprising producing magnesium vapor and beryllium fluoride vapor, condensing said vapors together, and melting the resulting condensate at a temperature at which beryllium fluoride reacts with magnesium to produce beryllium.

2,383,282
TRACTION UNIT
William E. Wine, Toledo, Ohio
Application May 5, 1943, Serial No. 485,764
4 Claims. (Cl. 301—56)



1. An annular traction unit adapted to form the peripheral portion of a tractor wheel, said unit comprising an inner annular member adapted to be secured to the outer portion of said wheel, a pair of laterally spaced annular rim members encircling said inner annular member, spacer members interposed between and rigidly connected to said rim elements, and a plurality of pairs of elongated members rigidly connecting each of said rim elements to said inner annular member, the members of each of said pairs converging toward each other from their points of connection with the annular member to their points of connection with the rim element, the outer ends of each of said pairs of members being alternately connected to different ones of said rim elements and being secured to an adjacent spacer member at circumferentially spaced points.

2,383,283
STABILIZING PHENOLIC RESINS
Robert W. Auxier, Pittsburgh 21, and William C. Weltman, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 29, 1941, Serial No. 408,808
6 Claims. (Cl. 260—19)

1. A stabilized resinous composition comprising, in combination, the potentially thermoset-

table product of the substantially simultaneous reaction of a phenol, aldehyde and an oil selected from the group consisting of tung oil and oiticica oil, the amount of oil being from about 10% to 100% of the weight of the phenol, and a minor proportion of the weight of the reaction product of a nitrogenous organic compound incapable of materially catalyzing the simultaneous reaction, the nitrogenous organic compound selected from the group consisting of pyridine homologues, lecithin and dicyandiamide, the nitrogenous organic compound providing for good greenness for a storage period of the order of one month in a base material impregnated with the stabilized resinous composition.

2,383,284

LEAD PIGMENTS AND METHODS OF MAKING SAME

Louis E. Barton, Windsor, Conn.

No Drawing. Application February 24, 1944, Serial No. 523,745

13 Claims. (Cl. 106—297)

1. The method of making opaque white lead alumino-silicate pigments consisting preponderantly of chemically combined lead oxide (PbO), alumina and silica, the lead oxide being in excess of each of the ingredients alumina and silica, the sum of the alumina and silica being not more than 55% of the total lead oxide, alumina and silica, and 0.5 to 40% of lead sulphate associated therewith, which consists in making an intimate mixture of lead sulphate and such lead, aluminum and silicon compounds as will upon heating supply to the pigment product respectively only lead oxide (PbO), alumina and silica, and then heating the mixture in the temperature range 400 to 850° C. until the said oxides chemically combine in the solid phase in the presence of lead sulphate to form said pigment.

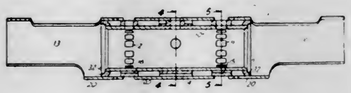
2,383,285

ENGINE FRAME

Allison L. Bayles, Larchmont, N. Y.

Application September 2, 1944, Serial No. 552,514

8 Claims. (Cl. 123—195)



1. A cylinder block assembly for an opposed-piston internal combustion engine comprising a series of plates, holes similarly spaced in said plates, and a plurality of cylinder units fitting said holes, each of said cylinder units comprising an inner tubular member forming the cylinder wall and having intake ports toward one end and exhaust ports toward the other end thereof, an outer tube of larger diameter forming the cylinder water jacket for the length of said cylinder wall and the engine crosshead guides beyond each end of said cylinder wall, said outer tube in three lengths, one extending from said intake ports to said exhaust ports, another from said intake ports outward to one end of said unit, and the other from said exhaust ports outward to the other end of said unit, the several parts brazed together into an integral unit.

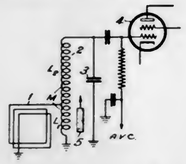
2,383,286

LOOP INPUT SYSTEM FOR RADIO RECEIVERS

George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 28, 1943, Serial No. 473,806

14 Claims. (Cl. 250—20)



1. In a radio receiver, an input circuit for said receiver having a tuning inductor which is connected to ground at one end, a magnetic core movable in said inductor for tuning the circuit over a frequency range, and a loop antenna connected between a tap on said inductor and ground.

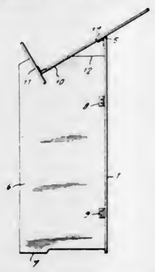
2,383,287

UNITARY FOLDABLE MUSIC STAND

Willie Berg, Chicago, Ill.

Application September 23, 1944, Serial No. 555,558

9 Claims. (Cl. 45—57)



7. A foldable stand comprising a vertical flat piece resting on its base, a similar second piece attached to said first piece by hinges and adapted to be held at right angles thereto and to be folded against the same, a flat holder hinged to the top of said first piece, a foot board hinged to the lower edge of said holder, the top of said second piece being notched and adapted to retain said holder in an inclined position, and a tongue and slot connection between said second piece and holder for locking the pieces, holder and foot board against relative movement, including a tongue on said notch and a slot in said foot board adapted to lock the same together when said stand is in operative position.

2,383,288

CIRCUIT BREAKER

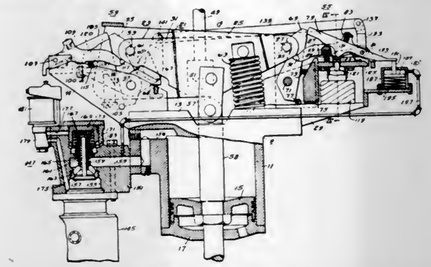
Samuel H. Boden, Turtle Creek, and Henry L. Peek, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 19, 1942, Serial No. 443,550

15 Claims. (Cl. 200—82)

1. In combination, a circuit breaker, a motor for closing the breaker, tripping means for effecting opening of the breaker irrespective of the energized condition of the motor, additional tripping means for effecting opening of the breaker only when said motor is deenergized, a single trip coil operable in response to predetermined

conditions for operating either of said tripping means, a source of power for energizing said motor, a device effective when deenergized to prevent operation of said first mentioned tripping means and operable when energized to permit



operation of said first mentioned tripping means, and stationary power transmitting means having parallel connections to said motor and to said device for energizing said device simultaneously with said motor.

2,383,289

ROSIN CONDENSATION PRODUCTS AND METHOD OF PRODUCING

Edward A. Bried, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 2, 1944, Serial No. 538,551

12 Claims. (Cl. 260—98)

1. The method of improving a material selected from the group consisting of a condensation product of a natural rosin with an aldehyde obtained by condensation in the presence of an organic carboxylic acid having an ionization constant of at least 1×10^{-6} and a reaction product of said condensation product with an aliphatic acid having from 6 to 18 carbon atoms, which comprises contacting said material with hydrogen in the presence of an active hydrogenation catalyst until said material has become saturated with hydrogen to an extent equivalent to at least 50% saturation of the rosin nucleus of said material, hydrolyzing the hydrogenated material to liberate the carbinol and thereafter contacting said carbinol with a sulfating agent to produce a sulfated product.

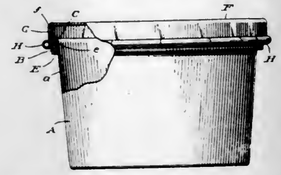
2,383,290

ADJUSTABLE CLOSED OR SEALED CONTAINER

Herman Carew, Easton, Pa., assignor to Dixie Cup Company, Easton, Pa., a corporation of Delaware

Application July 17, 1943, Serial No. 495,173

7 Claims. (Cl. 229—5.5)



1. A paper container comprising a tapered body having at its open top portion a relatively rigid ring offset to occupy a vertical position laterally of the inclined wall of the body and connected to the latter by an arched portion bridging the area between the ring and wall, the rigidity of the ring being augmented by folding the material of the ring back upon itself and spaced throughout away from contact with the wall of the body so that the wall may change its contour under expansion of container contents without affecting said ring, in combination with a cover having a depending relatively resilient imperforate flange concentric to the ring of the body and of a diameter to hug the ring and have riding frictional engagement therewith to permit the cover to be raised under said expansion of the container contents to correspondingly enlarge the capacity of the container while maintaining sealing relationship between the cover flange and the ring throughout their range of adjustment.

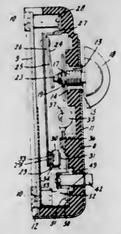
2,383,291

HEAT CONTROL DEVICE

Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application August 28, 1942, Serial No. 456,509

5 Claims. (Cl. 200—122)



1. In combination, a housing of insulating material, a bimetallic member having one end fastened to said housing and an electric contact mounted on the other end thereof, a stationary contact secured to said housing and adapted to be engaged by said first mentioned contact, said first mentioned contact being of a magnetic material having a contacting surface of suitable material and said stationary contact comprising a magnet having a contact of suitable non-magnetic material secured across the poles of said magnet and forming the contacting surface thereof engaged by said first mentioned contact.

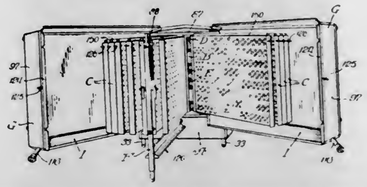
2,383,292

HEAT EXCHANGE DEVICE

Charles Brown Dalzell and Ellsworth Wyman, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation

Application November 30, 1938, Serial No. 243,130

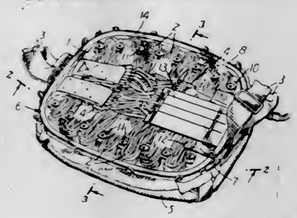
4 Claims. (Cl. 257—180)



1. In a heat exchanger for liquids, a base, a plurality of heat exchange sections mounted at one end upon said base and extending outwardly therefrom, a standard adjacent the free ends of one of said sections, a tie beam fixed intermediate said base and said standard, a sectional cabinet-like closure for said heat exchange sections, means

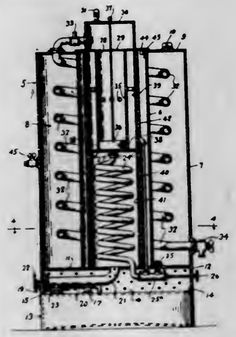
for supplying liquid to be treated to said heat exchange sections, and means formed integrally with the sections of said cabinet-like closure for collecting treated liquid, said collecting means being so constructed and arranged as to rest at its lower edge upon said tie beam when the sections of the cabinet-like closure are in operative position enclosing said heat exchange sections.

2,383,293
PARACHUTE PACK
Lewis Dearstyne, Upper Darby, Pa., and Joseph J. Rutkowski, Trenton, N. J., assignors to Switlik Parachute Company, Trenton, N. J., a partnership of New Jersey composed of Stanley Switlik, Walter Switlik, Richard Switlik, and Lottie Switlik
Application November 3, 1943, Serial No. 508,778
10 Claims. (Cl. 244—148)



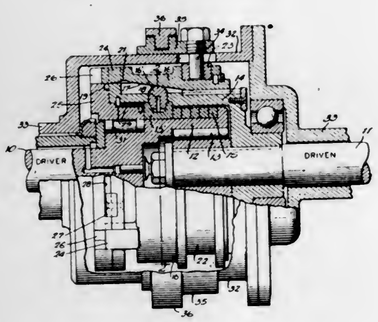
1. A parachute pack including a container consisting of a cover and a tray, a canopy, suspension lines, and lift webs, the tray having a substantially rigid frame and a resiliently flexible, transparent sheet of plastic material attached to and closing said frame.

2,383,294
SEA WATER DISTILLING DEVICE
John De Stefano, Jackson Heights, N. Y.
Application July 8, 1943, Serial No. 493,909
6 Claims. (Cl. 202—180)



1. An emergency type sea water distilling device of a portable type suitable for use in connection with rafts, lifeboats, landing barges and the like comprising an annular water receiving, storing and supply tank embodying inner and outer spaced parallel walls of corresponding lengths adjoined by flat top and bottom walls, said tank being provided at its bottom with a depending annular apertured skirt defining a heat trapping chamber, a disc-like burner hingedly mounted on and coacting with the lower edge of said skirt to serve as a closure for the skirt as well as a base for the complete device, a steam condensing coil in the water space between said inner and outer walls, the lower end of said coil opening through the bottom portion of the outer wall and being provided with a distilled water delivery valve, the upper end of the coil extending through said top wall, and a bodily insertable and removable water holding and steam generating unit disposed in concentric spaced relation in the flue-like chamber defined by said inner wall, said unit including an auxiliary limited capacity tank and a water feeding and heating coil, the lower end of the coil being positioned for coaction with the burner, and the upper protruding end of said condensing coil being connected with the upper portion of the auxiliary tank.

2,383,295
CLUTCH
Adiel Y. Dodge, Rockford, Ill.
Application November 5, 1942, Serial No. 464,591
18 Claims. (Cl. 192—47)

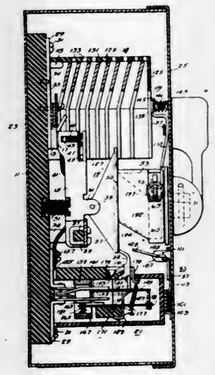


1. A clutch for connecting coaxial inner and outer members comprising connecting means drivably connected to one of the members and movable radially into driving engagement with the other member, control means for the connecting means including parts slidably carried by and projecting radially beyond the outer member, a control collar slidable on the outer member and engageable with said parts to move them radially inward when the collar is moved in one direction to engage the clutch, and means to prevent movement of the control collar to engage the clutch except when rotation of the members is synchronized.

2,383,296
ENCLOSED CIRCUIT-BREAKER
Hiller D. Dorfman, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1942, Serial No. 448,237
24 Claims. (Cl. 200—50)

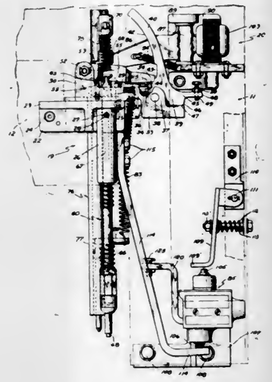
1. A circuit breaker comprising a switch member movable to open and close the circuit, a casing including an openable cover for enclosing said breaker, operating mechanism for the switch member including a cam member mounted on and movable with said cover, said cam member cooperating with a part movable with the switch member to cause opening and closing movements of said switch member, a first locking means mounted on the cover and actuated with said cam member to prevent opening of said cover until the cam member is actuated to cause opening of the switch member, and a second locking

means mounted on the cover and operable independently of said first locking means upon open-



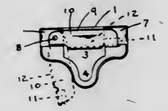
ing movement of said cover to lock the cam member in open position until the cover is closed.

2,383,297
ARTICLE INSPECTING MACHINE
Gale Dorothea, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 28, 1943, Serial No. 496,503
17 Claims. (Cl. 209—88)



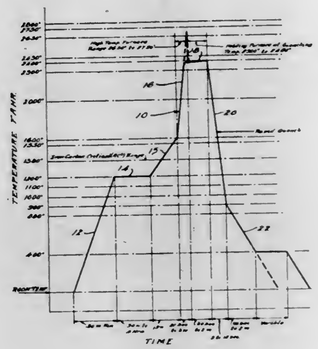
1. In a machine, article inspection means comprising a punch for gauging articles of different lengths; an element constructed and arranged to be held continuously in engagement with said punch, said element being in a normal position corresponding to the position of said punch when in engagement with a short article and adapted to be displaced from said normal position by said punch whenever said punch engages an overlong article; a member movable with said punch and said element, said member being constructed and arranged to be positively held in a normal immobile position relatively to said punch by engagement with said element in both its normal and displaced positions; article ejection means; and means adapted to be engaged by said movable member to energize said ejection means whenever said member is positively held in said immobile position.

2,383,298
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application August 9, 1943, Serial No. 497,908
2 Claims. (Cl. 24—73)



1. A slide loop comprising a body and a part relatively movable therewith, the body having a flat face provided with an opening therethrough; side brackets provided by said body and spaced from the rear of, and parallel with, said face, said brackets extending toward one another and, with the rear surface of said body, providing a strap passage; a movable bar pivotally supported at one end by one of said brackets, and the bar at its opposite end being provided with means adapted to lock the bar against upward movement relative to the other of said brackets; a flange centrally provided at the lower edge of said bar, said central flange, in bracket connecting position of said bar, projecting into the upper portion of said opening; and a strap in a vertical plane within said passage and, in part, adapted to be rearwardly off-set into another vertical plane by said flange projected into said opening adjacent an edge thereof.

2,383,299
HEAT-TREATING HIGH-SPEED TOOL STEEL
Frederick A. Endress, Detroit, Mich., assignor to Tuff-Hard Corporation, Detroit, Mich., a corporation of Michigan
Application September 6, 1943, Serial No. 501,394
2 Claims. (Cl. 148—21.55)



1. A process of heat treating a preheated high-speed tool steel having a secondary hardness range upon drawing, comprising the steps of heating of said steel from a starting temperature of about 1500° F. and not in excess of 1650° F. approximately to a quenching temperature of 2150° to 2450° F. in a furnace having a sufficient head of heat to raise the temperature of an outer layer of the steel to said temperature within a time period of from about twenty seconds to about one and one-half minutes, immediately transferring said steel into a second furnace of a temperature ap-

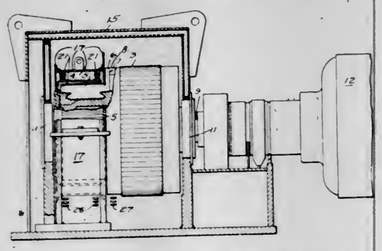
proximately the same as the quenching temperature and holding said steel in said furnace for a period of time of from about twenty seconds to two minutes, and then quenching the steel.

2,383,300

COMMUTATOR-SEASONING APPARATUS

William H. Eunson, Wilkinsburg, and Herbert W. Graybrook, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 29, 1943, Serial No. 473,930
4 Claims. (Cl. 219—35)



1. Heat-treatment apparatus, adapted to treat a rotatably supported rotor-member of a type comprising a relatively large-diameter, wound armature-member part of a dynamo-electric machine, and a relatively smaller-diameter cylindrical commutator-part having a commutator-neck portion which is electrically secured to a winding on said armature-member, said armature-member and said commutator-part having a common shaft, and said heat-treatment apparatus being characterized by comprising a hood-means adapted to substantially surround said rotor-member, partitioning means for at least partially shieldably separating the space adapted to contain said commutator-neck portion and said armature-member from a compartment adapted to contain said commutator-part, and compartment-heating means adapted to supply radiant heat to the cylindrical commutator-surface of the commutator-part within said compartment, said compartment-heating means being out of rubbing-contact with said commutator-part, said compartment-heating means having a rate of heat-input suitable for approaching and reaching the seasoning temperature at a controlled rate without the risk of suddenly increasing the commutator-temperature to a point considerably beyond the desired seasoning temperature, and said partitioning means comprising annular baffle-means disposed transversely with respect to the rotor-shaft in such position as to shield the commutator-necks and the armature-portion of the rotor-member from the heat within said compartment.

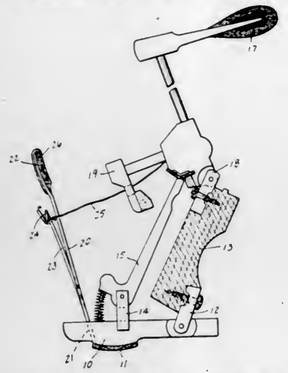
2,383,301

VERTICAL PIANO ACTION

Cyril Farny, St. Charles, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation

Application March 10, 1944, Serial No. 525,862
8 Claims. (Cl. 84—253)

1. In a piano action having a wippen, a one piece back check and bridle strap wire secured thereon to extend upwardly therefrom, said back check and bridle strap wire comprising a stamping from sheet material partially split to space their respective shank and head portions from each other and provide a common base portion, the head of said bridle strap wire being formed to receive a bridle strap and the head of the back



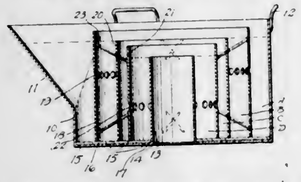
check being of a width to provide a cushioning seat.

2,383,302

LIQUID PURIFICATION

Lyman R. Feinauer and Roland S. Payne, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application August 20, 1943, Serial No. 499,308
12 Claims. (Cl. 210—43)



1. In a filtering apparatus, a liquid container having a plurality of successively arranged liquid-receiving walled compartments, one of which constitutes an initial filtering compartment in which the liquid to be filtered is initially flowed, and each of said compartments having a liquid drainage base, filtering means in relation to the bases of said compartments adapted to filter solid material from liquid passing therethrough, and an impervious baffle wall separating said compartments having overflow means at a substantial distance above the bases of said compartments whereby the liquid rises in said initial compartment and overflows into the adjacent compartment as filtered solid material collecting in the filter means of said initial compartment arrests the drainage of liquid therethrough.

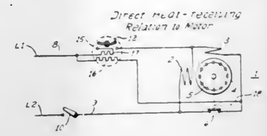
2,383,303

DELAYED-START CONNECTION FOR ELECTRIC MOTORS

Dwain E. Fritz, Wapakoneta, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application July 14, 1942, Serial No. 450,844. Divided and this application April 14, 1944, Serial No. 530,974
3 Claims. (Cl. 172—279)

1. A delayed-start electric motor having primary and secondary windings, connection means for connecting said primary windings to a supply line, said connection means including a thermally-responsive switch means, said thermally-responsive switch means having contacts which are normally open and being adapted to close its contacts when it is heated to a predetermined temperature, said switch means being located in direct heat-receiving relation to the motor and also having an electric heating element, means for



connecting said heating element across the supply line to be energized thereby, means for disconnecting the heating element from the supply line in response to starting of the motor, and auxiliary heating means for heating the thermally-responsive switch during operation of the motor.

2,383,304

INSECTICIDAL MIXTURE

Robert J. Geary, Blue Point, N. Y.

No Drawing. Application July 8, 1943, Serial No. 493,899
8 Claims. (Cl. 167—24)

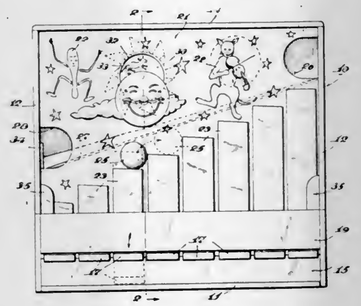
1. An insecticidal composition comprising as active toxic ingredients pyrethrins and an insecticidal product selected from the group consisting of finely-ground yam bean and extracts of yam bean.

2,383,305

TOY

Joseph Greene, Brooklyn, N. Y., assignor to Holgate Brothers Company, Kane, Pa., a corporation of Pennsylvania

Application December 18, 1943, Serial No. 514,833
10 Claims. (Cl. 46—177)



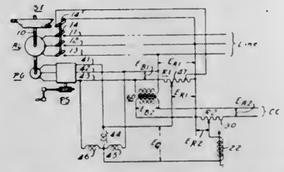
1. A toy of the character described comprising a wall having an entrance opening and an exit opening therein, a ball runway communicating with said openings and inclined downwardly from the entrance opening to the exit opening, musical creating means defining a portion of said runway and arranged to be actuated by said ball as it travels down the runway, said runway being arranged at one side of said wall, and manually operated means arranged at the opposite side of the wall and comprising successively actuated posts, movable relatively to one another, for progressively elevating a ball from the exit opening to the entrance opening and for discharging the ball into the latter.

2,383,306

PHASE-RESPONSIVE GOVERNOR SYSTEM

Clinton R. Hanna and William O. Osbon, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 15, 1943, Serial No. 502,489
19 Claims. (Cl. 290—4)



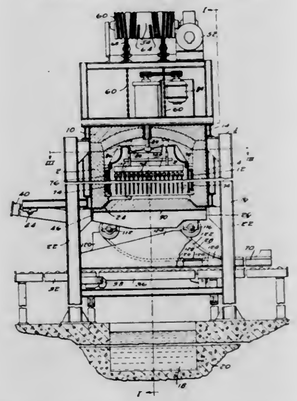
1. In apparatus for controlling the motive fluid admission valve of a prime mover driving a generator for an alternating current system, force-responsive means for operating the admission valve, means providing a first alternating current voltage whose phase relation with respect to rotational movement of the prime mover is fixed irrespective of generator load, means providing a second alternating current voltage serving as a reference voltage, electrical means responsive to the phase angle between said first and second voltages to provide a first controlling force, and means including a governing system providing a second controlling force responsive to speed of the prime mover and utilizing said first and second controlling forces to control the operation of the force-responsive means.

2,383,307

HEAT-TREATING FURNACE

Elmer K. Hansen, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

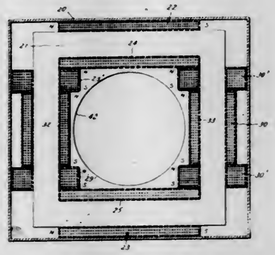
Application June 7, 1941, Serial No. 397,007
3 Claims. (Cl. 266—4)



1. A heat-treating furnace comprising a heating-chamber having a charging-opening, a movable closure for said charging-opening, furnace loading and unloading means comprising a charge-rack having means for suspendedly supporting a charge comprising a plurality of spaced suspended metallic objects, rail means for movably supporting said charge-rack so that a loaded charge-rack can be moved to a position in substantially vertical alignment with said charging-opening, said rail means including a section directly below said charging-opening, quenching

means below said section of said rail means, charge-moving means for lowering a loaded charge-rack from said heating-chamber into said quenching means, and means for pivotally supporting an end of said section of said rail means so that said section can be swung to a position in which it will be out of the path of a loaded charge-rack being lowered into said quenching means.

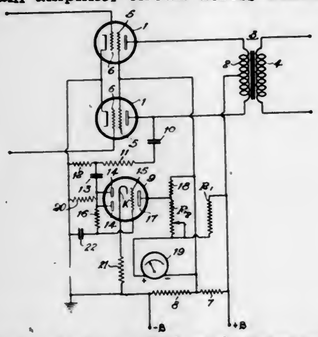
2,383,308
CATHODE-RAY DEFLECTING MEANS
Siegfried Hansen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 8, 1941, Serial No. 392,503
4 Claims. (Cl. 250—157)



1. In combination, a cathode-ray tube and a ray-deflecting system, said system comprising a rectangular ferromagnetic frame surrounding the axis of the said tube, a first pair of coils respectively surrounding parallel legs of said frame and extending substantially the entire length of such legs, said coils being of uniform cross section throughout and being connected so that their leakage fields within the space enclosed by the frame are in a common direction transverse to the axis of the tube, a second pair of coils respectively surrounding the remaining two legs of the frame and also connected so that their leakage fields within the space enclosed by the frame are in a common direction, the members of said second pair of coils having their extremities substantially abutting against the surfaces of the first coils and having additional end turns to improve the uniformity of the deflecting field established by them, and terminals associated with the various coils for connecting the respective coil pairs to separate sources of deflecting potential.

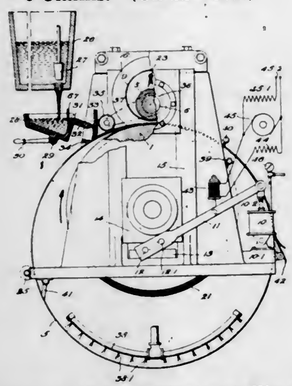
2,383,309
AUTOMATIC VOLTAGE REGULATOR
Jarrett L. Hathaway, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1941, Serial No. 404,670
8 Claims. (Cl. 179—171)

1. A voltage regulator for a main amplifier circuit, comprising an electron discharge device having a diode rectifier section and a triode amplifier section, a circuit for diverting a portion of the signal energy from the output side of said main amplifier circuit to be fed to said rectifier section for rectification therein, means responsive to variations in the amplitude of said signal energy so rectified for varying the control bias on the amplifier section of said discharge device, a direct current power source having connections arranged and adapted to deliver operating potentials to said main amplifier circuit and to the amplifier section of said discharge device, said connections being such that the space path of said discharge device is in shunt with a space path portion of said main amplifier circuit across which voltage



regulation is to be applied, and means controlled by the space path current in said amplifier section for effecting said voltage regulation.

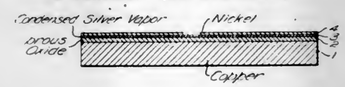
2,383,310
CONTINUOUS CASTING APPARATUS AND PROCESS
Clarence W. Hazelett, Greenwich, Conn.
Application March 16, 1939, Serial No. 262,223
6 Claims. (Cl. 22—57.2)



1. The process of producing metallic shapes of substantially constant cross section throughout their length directly from molten metal which comprises pouring molten metal onto the exterior surface of a continuously moving cylindrical cooling member at a point located not more than 40 degrees from the vertical center line of said member without forming an appreciable bath thereon to cause upward displacement of metal partly solidified thereon, and directing a stream of compressed gas against said partly solidified metal to reduce sidewise and downward flow thereof.

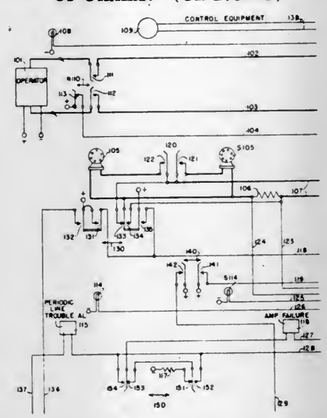
2. In a combination of the class described, a pair of moving surfaces, pressure means yieldingly pressing one of said surfaces toward the other along a predetermined line, means for supplying molten metal to said surfaces at one side of said line, said metal then passing between said surfaces and under the influence of said pressure means, and means actuated through the separation of said surfaces against said pressure means by the metal passing between said surfaces, for changing the ratio of the speed of movement of said surfaces to the rate of supplying of said metal whereby to control the thickness of the metal to be formed by said surfaces.

2,383,311
CONTACT FOR COPPER OXIDE RECTIFIERS
Carl C. Hein, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1942, Serial No. 439,093
4 Claims. (Cl. 175—366)



1. The method of manufacturing copper oxide rectifiers which comprises heating a copper blank in contact with an oxidizing atmosphere at a temperature just below its melting point, cooling it to room temperature, removing any cupric oxide formed on its surface, condensing a vaporized metal on a portion of the oxidized surface, and electroplating the surface of the sublimed metal.

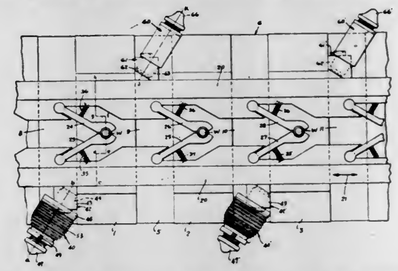
2,383,312
COMMUNICATION SYSTEM
Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 21, 1943, Serial No. 495,548
35 Claims. (Cl. 179—5)



1. A communication system comprising a control station and a plurality of outlying stations, means providing loudspeaker communication with one or more outlying stations at a time, impulse transmitting means at each outlying station for acknowledging communication received from said control station, means at said control station responsive to said impulses to provide an acknowledgment indication.

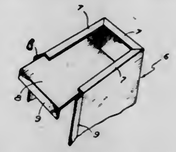
2,383,313
PROTECTION APPARATUS
Harry William Hoffman, Anoka, and Grover H. Helmer, Minneapolis, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application May 7, 1943, Serial No. 486,026
17 Claims. (Cl. 192—125)

1. A photoelectric inspection apparatus for work parts that are periodically moved into a work inspection station comprising means for focusing a light beam across said work inspection station in a position to shine upon work parts in position at the station, a photocell positioned to collect light not intercepted by said work parts, a thermionic amplifier for said photocell having a cathode, grid and plate, a source of direct current potential having its negative side connected to said cathode and positive side connected to said plate, said photocell being connected to said grid and negative side of the direct current source, a high resistance feed circuit connecting the grid and a source of positive poten-



tial which is positive in respect to the negative side of said source of direct current potential, a low resistance feed circuit connecting said grid and a said source of positive potential, and means for interrupting said low resistance feed circuit when the work should normally be at said inspection station.

2,383,314
SOLDERING JIG
Howard W. Hubbard, Salt Lake City, Utah, assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 30, 1943, Serial No. 496,712
5 Claims. (Cl. 113—100)

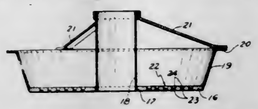


1. A soldering fixture for use in soldering ends on trough shaped metal structures comprising a fixed base; a pair of spaced parallel irons fixed to said base having ends overhanging an edge of said base; structure supporting means fixed to said base and extending in spaced relationship between the overhanging ends of said irons, said structure supporting means comprising spaced parallel bars supported by and movable with respect to said supporting means into cooperative engagement with said fixed irons to clamp the marginal portions of said structure between said bars and said irons; and means on said structure supporting means to engage said spaced parallel bars to simultaneously move said bars into cooperative engagement with said irons.

2,383,315
AMMUNITION
George E. Hyde, Jr., Stratford, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 30, 1943, Serial No. 474,209
1 Claim. (Cl. 83—91)

A pouring receptacle for producing shot comprising a pan for holding molten metal; a bottom in said pan, said bottom comprising a pair of superposed plates each having a plurality of apertures, the apertures of the upper plate being

larger than and in axial alignment with the apertures of the lower plate; and dross in each pair



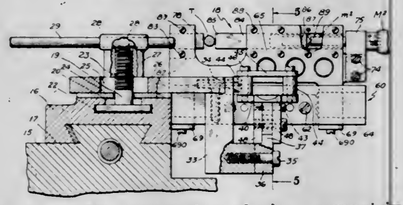
of axially aligned apertures, said dross terminating flush with the upper and lower ends thereof.

2,383,316

GEOMETRICAL INSTRUMENT

Paul G. Jennings, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application March 6, 1943, Serial No. 478,171
9 Claims. (Cl. 33—174)



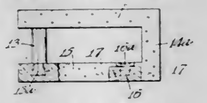
1. A profile measuring device comprising a frame; a micrometer gauge fixedly secured on said frame; a carriage slidably supported on said frame, said carriage having a pair of transversely disposed guide rails; a second carriage mounted to slide freely on said guide rails; and a second micrometer gauge fixedly supported on said second carriage parallel to the longitudinal axis of said guide rails, said first carriage being slidable along said frame by manipulation of said first gauge.

2,383,317

CONCRETE WALL BUILDING BLOCK

Enoch B. Johnson and Arnold A. Kaehler, Red Wing, Minn.

Application August 31, 1942, Serial No. 456,758
1 Claim. (Cl. 72—43)



A corner building block for the construction of walls comprising an outer molded slab having its main section provided with inner and outer parallel flat surfaces and having an end section integrally formed therewith and extending at a right angle thereto, a second molded slab of less length than said first slab and spaced from the main portion thereof having parallel flat surfaces, a transverse handling and connecting member constructed of tough, fibrous material interposed between the ends of said slabs adjacent one end of the block and having its ends embedded and anchored in said slabs, and a second connecting member also constructed of tough, fibrous material such as wood interposed between the end section of said first slab and the opposing end of said shorter slab and extending the full height of said slabs, means for anchoring the ends of said second connecting member within the connected portions of said slabs, said second connecting member having its outer surface disposed substantially flush with the outer surface of said shorter slab.

2,383,318

TETRAALKYLTHIURAM MONOSULPHIDE PREPARATION

Eric Kay, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 27, 1944, Serial No. 533,084. In Great Britain November 16, 1942
4 Claims. (Cl. 167—58)

1. A self-emulsifiable composition comprising a tetraalkylthiuram sulphide, water, and a compound selected from the class consisting of sodium, potassium, ammonium, and triethanolamine salts of dibenzylsulphanilic acid, the proportions being such as to give a clear solution.

2,383,319

PRODUCTION OF SULPHONYL CHLORIDES

Morris Selig Kharasch, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 23, 1939, Serial No. 291,515
8 Claims. (Cl. 204—158)

1. A process of producing a sulphonyl chloride which comprises reacting a hydrocarbon selected from the group consisting of saturated aliphatic and alicyclic hydrocarbons that contain at least 3 carbon atoms with sulphuryl chloride in the presence of a catalyst and actinic light, and then further reacting the sulphonyl chloride thereby formed.

2,383,320

REACTION OF SATURATED ALIPHATIC CARBOXYLIC ACIDS WITH SULPHURYL CHLORIDE AND PRODUCTS THEREOF

Morris Selig Kharasch, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 9, 1940, Serial No. 369,353
14 Claims. (Cl. 260—327)

1. A process which comprises reacting an unsubstituted saturated aliphatic carboxylic acid compound containing a chain of at least 2 carbon atoms attached to the carbonyl group, in the liquid phase, with sulphuryl chloride in the presence of actinic light, under conditions such that not more than minor amounts of water are present.

2,383,321

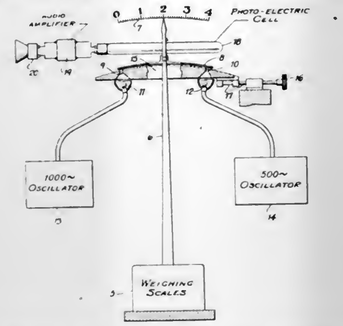
WEIGHING APPARATUS ADAPTED FOR OPERATION BY THE BLIND

Jackson O. Kleber, Long Island City, N. Y.

Application March 2, 1944, Serial No. 524,724
2 Claims. (Cl. 177—311)

1. Weighing apparatus adapted for operation by the blind, comprising in combination, weighing scales having a movable member for indicating the weight, a light shutter member carried by said indicating member, a relatively fixed shutter member cooperating therewith, one of said shutter members having two apertures positioned to be both covered by the other shutter member when a predetermined weight is indicated, and to be alternatively uncovered respectively when a higher or lower weight is indicated, means for illuminating said apertures respectively with light having relatively high and low frequency variations, and means responsive to such light passing through said apertures for providing audible signals of corresponding high and low frequencies,

whereby when the material on the scales weighs in excess of or less than the desired predetermined weight, the higher or lower frequency signals respectively will sound.

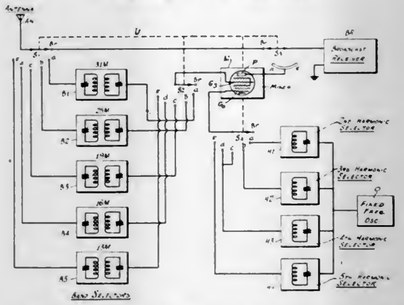


2,383,322

MULTIBAND RECEIVER WITH BAND SPREAD

Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 25, 1942, Serial No. 452,307
7 Claims. (Cl. 250—20)



1. The method of effecting band spread tuning of a plurality of short wave bands utilizing a receiver adapted for broadcast reception, which consists in selectively receiving the entire range of frequencies in any one of the short wave bands, locally producing a fixed fundamental and a plurality of distinct harmonic frequencies thereof, mixing the received frequencies in each of the selected ranges with a predetermined harmonic of the locally-produced fixed frequency to obtain a band of intermediate frequencies which is different for the several bands and which falls within the range of the broadcast band frequencies, and tuning the broadcast receiver through said several bands of intermediate frequencies.

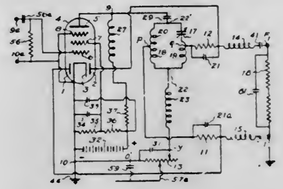
2,383,323

DEMODULATOR DEVICE FOR FREQUENCY AND AMPLITUDE MODULATION

Edward H. Lange, Baltimore, Md.

Application April 28, 1943, Serial No. 484,937
22 Claims. (Cl. 250—20)

1. In a demodulator-device, a thermionic tube having a double-diode with a first anode, a second anode, and a common cathode, a resonant circuit including an inductance coil, a tuning condenser connected across said coil, and connections between a first terminal and a second terminal upon said inductance coil, said connections including a first resistance connected from said first terminal to said first anode, a second resistance connected from said second terminal to said second anode, a third resistance bridged between the first and second anodes, said bridge including a serially connected first choke-coil and condenser between the first anode and one terminal of said third resistance, and a serially connected



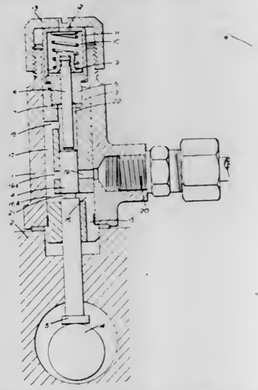
second choke-coil and condenser between the second anode and the other terminal of said third resistance, and condensers shunted across each of said resistances; a third choke-coil conductively connected from a third terminal upon said inductance coil at the half-inductance point between said first and second terminals, to said cathode, and a ground connection to said cathode.

2,383,324

RECIPROCATING PUMP

Camille Clare Sprankling Le Clair, Acton, London, England

Application August 11, 1943, Serial No. 498,169
In Great Britain August 24, 1942
7 Claims. (Cl. 103—154)



1. A reciprocating pump, comprising a cylinder provided with an inlet port connected to a source of liquid and an outlet port, a plunger slidable in said cylinder and adapted to control the opening and closing of said inlet port and said outlet port, the extent of movement of said plunger being such that it leaves a space between its end and the end of said cylinder at the terminus of its instroke, a transfer passageway connecting said inlet port and said outlet port with said space, said transfer passageway being adapted to permit flow of liquid to said space when put in communication with said inlet port by said plunger and being adapted to permit flow of liquid from said space when put in communication with said outlet port by said plunger, a differential piston having a diameter smaller than the diameter of said plunger and reciprocable in said space in said cylinder, and resilient means

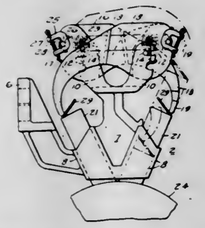
acting on said differential piston, said differential piston being moved against said resilient means on the instroke of said plunger and being moved through a pumping stroke by said resilient means when said plunger opens said outlet port.

2,383,325

OPPOSED-ANGLE BRUSH HOLDER

Gerhard P. Lessmann, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 6, 1943, Serial No. 509,250
2 Claims. (Cl. 171—324)



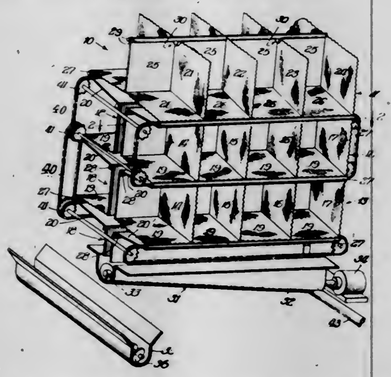
1. An opposed-angle double-brush brushholder comprising a V-shaped center part, an inclined brush-box on each side thereof, two upstanding finger-supporting arms, one on each side of the brushholder, two fingers, each finger being pivoted on the finger-supporting arm on one side of the brushholder and extending over to the brush-box on the other side of the brushholder, each finger having an extended, downwardly curved finger-arm having a finger-tip adapted to engage the top of a brush, and a linearly acting spring having its respective ends in engagement with the respective fingers for biasing the fingers toward the respective brushes.

2,383,326

POULTRY BATTERY SYSTEM AND CLEANING APPARATUS THEREFOR

Raymond L. Lovell, South Lyon, Mich.

Application November 14, 1941, Serial No. 419,074
4 Claims. (Cl. 119—22)



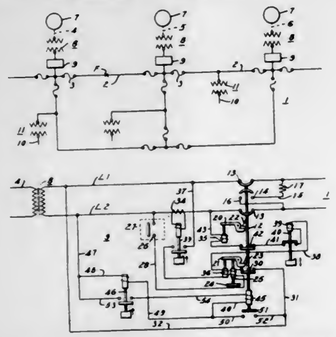
1. A poultry house, poultry raising apparatus in the house, said apparatus comprising in combination, upper and lower decks each having manure receiving sections therebeneath, said sections being downwardly and inwardly inclined and in centrally spaced apart relationship and continuing substantially vertically downwardly to form spaced apart longitudinal partitions defining open-ended communicating passages between upper and lower decks, a scraping element for each of said decks located on said manure receiving sections and being shaped so as progressively and simultaneously to scrape said manure from said sections forwardly and inwardly between said spaced apart partitions, and means for receiving the manure and removing it from the house, said means including an accumulating pit located beneath the lowest deck to receive said manure, said pit consisting of a trough encasing a screw expeller whereby accumulated manure from all of said decks is expelled from beneath said apparatus.

2,383,327

ELECTRICAL SYSTEM

Leon R. Ludwig and Royal C. Bergvall, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 7, 1941, Serial No. 418,168
16 Claims. (Cl. 175—294)



1. In an electrical system, an electrical circuit, a plurality of sources of electrical energy connected to said electrical circuit, means responsive to a condition of said electrical circuit when a fault occurs thereon for disconnecting a part of said sources of electrical energy from the fault, said means operating with inverse time delay, means effective only after operation of said disconnecting means for short-circuiting the conductors of said electrical circuit to assist in lowering the voltage of said electrical circuit adjacent said fault, and means effective after operation of said short-circuiting means for restoring the connection of said part of said sources.

2,383,328

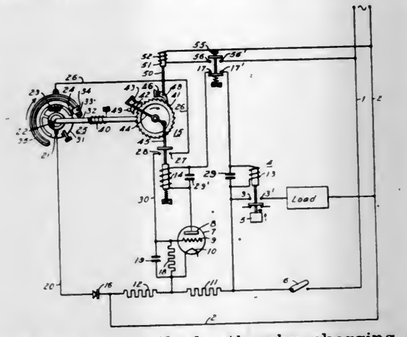
TIME DELAY DEVICE

Frederick W. Lyle, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 27, 1941, Serial No. 400,009
7 Claims. (Cl. 175—320)

1. In a time delay circuit for retarding the actuation of a relay, a vacuum tube having anode, cathode and control electrodes, a circuit between said anode and cathode including in series a source of anode potential, the energizing winding of said relay and the energizing winding of an electromagnetic device; said device comprising an actuating arm, a pair of contacts and a lever operable by said arm, a second pair of contacts in series with said first pair comprising a conductive segment and a slidable member adapted to be positioned at various distances over said

segment, means for moving said segment from a certain starting position upon each actuation of said lever for a fractional portion of its peripheral length whereby said last-mentioned contacts may be held in physical engagement for repeated actuation of said lever depending upon the displacement of said sliding contact with respect to the length of said segment and said starting position, a resistance and a capacity connected in parallel between control electrode and cathode of said tube, a voltage source for applying a potential to said control electrode which is negative with



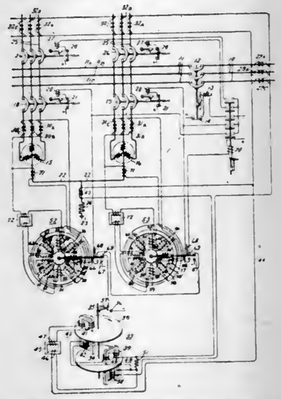
respect to said cathode, thereby charging said condenser, a charging circuit including said two pairs of contacts in series whereby, upon actuation of said electromagnetic device due to anode current, said first pair of contacts complete said charging circuit to said condenser, said tube being so biased thereby as to release said device until repeated actuation thereof following each discharge-time of said condenser displaces said second pair of contacts to an open position, said relay being operatively energized upon anode current flow maintained in said tube when said sliding contacts are disengaged.

2,383,329

PROTECTIVE SYSTEM

Andrew J. McConnell, Albany, N. Y., assignor to General Electric Company, a corporation of New York

Application September 23, 1942, Serial No. 459,353
15 Claims. (Cl. 175—294)



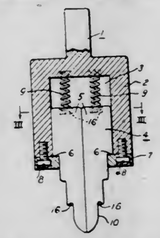
1. In a differential ground-fault protective system for an alternating-current circuit, a differential circuit associated with said alternating current circuit so that two different currents flow in said differential circuit, a circuit control device, means responsive to a function of the product of a ground current of said system and the differential current of said differential circuit for actuating said control device, and means responsive to said product of the two currents flowing in said differential circuit for opposing the actuation of said control device.

2,383,330

SPINNING TOOL

Lawrence W. Michael, Lima, Ohio

Application May 5, 1943, Serial No. 485,789
5 Claims. (Cl. 218—14)



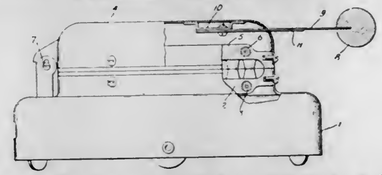
1. A spinning tool for shaping the end of a grommet to conform with a surface of irregular contour comprising a rotatable holder, a grommet shaping die comprised of a plurality of separate cooperating sections of sector-shaped cross-section arranged so as to form a substantially continuous cylindrical die surface, and means mounting said sections in said holder for movement, independently of each other, in an axial direction with respect to said holder.

2,383,331

WAFFLE IRON

Harold A. Michaelis, Elmhurst, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application September 12, 1944, Serial No. 553,703
3 Claims. (Cl. 99—372)



1. A waffle iron comprising upper and lower baking grids joined together by a lost motion hinge and a weight supported by the upper grid and at a distance therefrom by a spring projecting from the grid at a point opposite the hinge, said weight and spring being so proportioned with reference to the mass of the top grid as to cause a vibration and rocking motion of the grid when the weight is struck a glancing blow and thereby release the waffle in case it adheres to the grids, said weight also acting as a handle for lifting the top grid to remove the waffle.

2,383,332

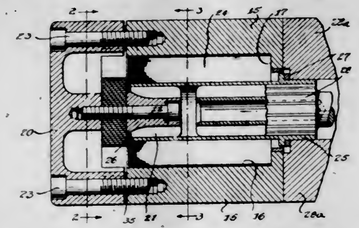
SOLENOID CONSTRUCTION

Raymond S. Miller and Kamill Seidel, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application July 21, 1941, Serial No. 403,352
7 Claims. (Cl. 175—341)

1. A solenoid construction comprising a casing of non-magnetic material, fields of laminated magnetic material embedded in said casing in

spaced relation around a central bore therein, a solenoid winding in said bore, means at the end of said winding in said bore for forming an end pole comprising longitudinal blocks of laminated magnetic material arranged in transverse relation and positioned whereby the ends thereof register with the magnetic material in said main housing, a magnetic pole piece on said blocks, and a cap for maintaining said blocks in position relative to said main housing.



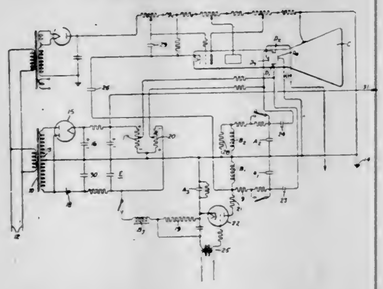
4. The method of forming a solenoid housing which comprises arranging corner to corner L-ends of elongated blocks of magnetic material parallel to, and in spaced relation around, an imaginary locus, surrounding said pieces in a non-magnetic material in a plastic state, hardening said material to embed said blocks firmly, and machining blocks and the embedding material to provide an opening to receive a solenoid winding.

2,383,333

SWEEP CIRCUIT FOR CATHODE RAY TUBES

Victor Ellis Milward, Clifton, Rugby, England, assignor to General Electric Company, a corporation of New York

Application March 7, 1944, Serial No. 525,433
In Great Britain October 30, 1941
3 Claims. (Cl. 315—29)



1. A circuit arrangement for obtaining symmetrical linearly rising voltages of short duration, comprising a first condenser, an inductance, means for charging said condenser, means for discharging said condenser through said inductance, a second condenser of materially lower capacity than said first condenser, a resistance, means for charging said second condenser through said resistance from the voltage developed across said inductance, a second inductance forming with said first mentioned inductance the winding of a centre-tapped transformer, a third condenser charged from said second inductance through a second resistance, and a controlled electric discharge device for effecting the discharge of said first condenser to provide symmetrical impulses across said second and third condensers.

2,383,334

BETA AMYLOSE-IODINE COMPOUND AND METHODS FOR THE PRODUCTION OF THE SAME

Wallace L. Minto, Jersey City, N. J., assignor of twenty-one and sixty-six hundredths per cent to H. R. Van Deventer, twenty-one and sixty-six hundredths per cent to D. R. Keller, and twenty-one and sixty-six hundredths per cent to E. F. Waller, all of New York, N. Y.

No Drawing. Application May 28, 1943, Serial No. 488,928
4 Claims. (Cl. 260—209)

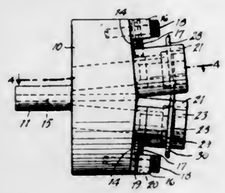
4. The product produced by reacting one mole of substantially pure beta amylose with three moles of iodine in a solvent selected from the group consisting of water and glycerine, which product has therapeutic properties, forms a true solution in water, is dialyzable, the solution selectively absorbs wave lengths above 5500 angstrom units, the band of strongest absorption being between 5600 and 6100 angstrom units and has the formula $(C_{36}H_{60}O_{30}I_3)_2$.

2,383,335

TRIMMING TOOL

Edward J. Moffitt, Lakewood, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application November 18, 1943, Serial No. 510,729
4 Claims. (Cl. 29—105)



1. In a tool, a rotatable head, a tool holder pivotally mounted on said head for adjustment in a plane inclined to a plane substantially perpendicular to the axis of rotation of said head, and a tool carried by said holder on an axial line disposed at substantially right angles to said plane of adjustment, said tool having a circumferential workpiece engaging edge disposed in a plane parallel to said plane of adjustment and intersecting said rotational axis, said edge being adapted to make an outwardly spiralling trimming cut on the open end of a tubular workpiece disposed coaxially with said rotational axis during the rotation of said head.

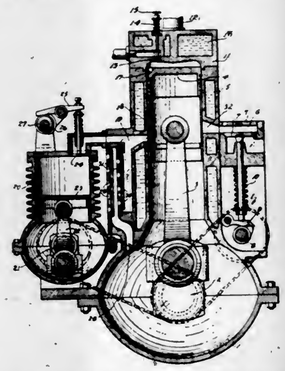
2,383,336

TWO-CYCLE SOLID-FUEL INJECTION SUPERCHARGED ENGINE

Edward Moore, Newark, N. J.

Application December 11, 1943, Serial No. 513,864
7 Claims. (Cl. 123—68)

4. In an engine of the class described having a main crank case carrying a crank shaft, a power cylinder having a piston connected to said crank shaft and adapted to set up at least some compression of the air in said crank case, an auxiliary cylinder mounted adjacent the power cylinder, an air chamber located between the two cylinders, the power cylinder having a port leading into said chamber, the port being opened and closed by the power piston, said air chamber being divided into main and secondary parts, the main part being directly connected to said auxiliary cylinder through a valve therein, while the secondary part is operatively connected with said crank case, valve means for controlling the flow of air from the crank case from said secondary part into the main part, further valve means for controlling the flow of outside air into the sec-



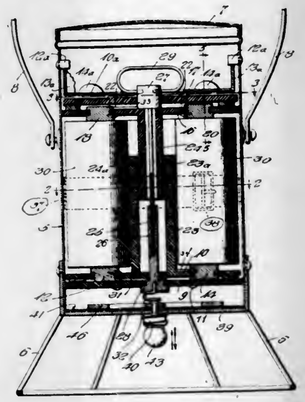
ondary part, an exhaust chamber associated with the power cylinder and having a port leading into the power cylinder controlled by the power piston, and a valve for opening and closing an exit from said exhaust chamber at the proper time.

2,383,337

EXTENSIBLE BATTERY CELL HOLDER FOR ELECTRIC LANTERNS

William M. Moxley, Kansas City, Mo.

Application February 23, 1944, Serial No. 523,607
6 Claims. (Cl. 240—10.63)



1. The combination with an electric lantern body comprising a casing and a cover for the same, of a carrier for battery cells dimensioned to be mounted therein, said carrier comprising upper and lower heads, means constituting a part of and bodily movable with the carrier for moving said heads toward and from each other and a plurality of contact members carried by each of said heads positioned to be engaged by battery cells clamped between said heads, means movable bodily with the carrier for holding the upper and lower heads from turning with respect to each other as they are moved toward and from each other, a plurality of light bulbs carried upon the underside of the lantern body, contact members with which said light bulbs are engaged, additional contact members carried by and bodily movable with the carrier, positioned to engage the said contact members of the bulbs and means carried by the lantern body for bodily thrusting the carrier as a whole toward the contact members of the bulbs.

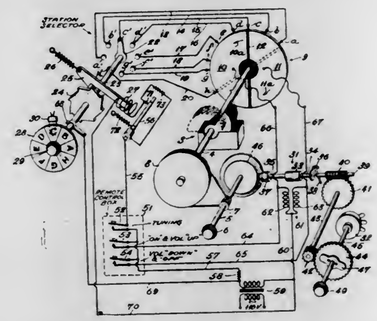
3. A battery cell carrier for electric lanterns comprising spaced upper and lower heads of insulating material, a group of metallic contacts carried by each of said heads, telescoping sleeves carried by said heads, a male screw engaged with one of said heads, a female screw engaged with the other of said heads, said screws engaging with each other to draw the heads forcibly together and to clamp conventional battery cells between the contact members of said heads.

2,383,338

REMOTE CONTROL SYSTEM FOR RADIO RECEIVERS

William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

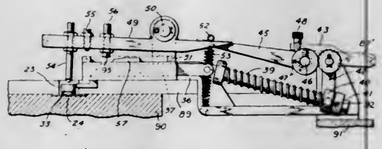
Application January 8, 1944, Serial No. 517,585
3 Claims. (Cl. 250—20)



3. Control mechanism for a radio receiver provided with a tuning device and a combined on-off switch and volume control device for effecting automatic adjustment of the tuning device to positions corresponding each to one of a plurality of predetermined broadcasting stations and for turning the receiver on or off and adjusting its volume, comprising a motor for actuating the tuning device, said motor having an armature adapted to assume one or the other of two axial positions and to rotate in opposite directions in each of said positions, a selector disc movable with the tuning device and electrically associated with the motor for determining the position to which the tuning device is actuated by the motor before the latter is stopped, a plurality of adjustably set brush contacts cooperatively associated with the selector disc and each corresponding to one of the predetermined stations, a selector switch having a movable arm and a plurality of contacts which are connected each to a respective one of the brush contacts, means for moving said switch arm step-by-step to effect successive contact thereof with the switch contacts, a first manually-operable member adapted upon each operation to actuate the stepping means one step, cause the motor armature to assume one axial position and rotate in either direction to effect adjustment of the tuning device to a position corresponding to the stepped position of the switch, a second man-

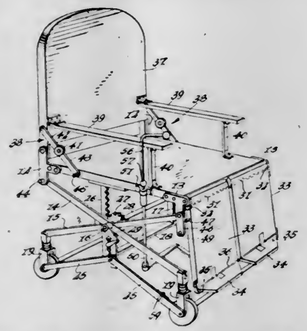
ually-operable member adapted upon operation to cause the motor armature to assume the other axial position and to rotate in one direction whereby the switch is first turned on and the volume control device then adjusted to increase the volume, and a third manually-operable member adapted upon operation to cause the motor armature to assume said other axial position and to rotate in the opposite direction whereby the volume control device is first actuated to decrease the volume and then to turn the switch off.

2,383,339
INVERTED PRIMER REMOVAL DEVICE
Leland B. Petersen, Salt Lake City, Utah, assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 20, 1943, Serial No. 514,886
5 Claims. (Cl. 209—88)



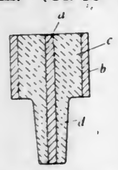
1. An inverted primer removal device comprising a conveyor for primers; a feeler operable to contact primers on said conveyor at an inverted primer removal station; a pusher member for removing primers from said conveyor at said station; and means mounted directly on and actuated by said feeler to move in front of said pusher and block movement of said pusher when a primer is located in the correct direction under said feeler.

2,383,340
COMBINATION WHEEL CHAIR, TABLE, AND BED
Joseph Pezzano, Staten Island, N. Y.
Application June 6, 1944, Serial No. 538,926
1 Claim. (Cl. 155—91)



A chair seat having a chair back pivoted thereto, upright lazy tong members secured to the underside of said seat to support the same, casters secured to the lower extremities of said members, rack bars extending vertically downward from said seat, a shaft extending horizontally under said seat and having its extremities journaled in two opposed pivots of said lazy tong members, pinions on said shaft engaging said rack bars, said shaft having a crank thereon, rotation of said crank in one direction causing said pinion to raise said rack to extend said lazy tongs and raise said seat, and vice versa.

2,383,341
PLUG GAUGE
Maurice Riddihough, Birmingham, England, assignor to Deloro Smelting & Refining Company Limited, Birmingham, England
Application January 28, 1944, Serial No. 520,091
In Great Britain June 7, 1943
1 Claim. (Cl. 33—178)



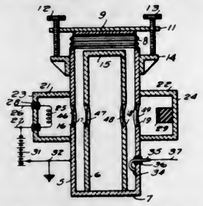
A plug gauge having in combination with a metal core and a hard metal sleeve, an intermediate uniting member consisting of hard non-metallic material.

2,383,342
HOLLOW PROPELLER
William H. Riley, Pittsburgh, Pa.
Application October 21, 1941, Serial No. 415,980
1 Claim. (Cl. 170—159)



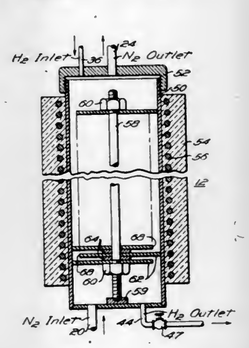
An airplane propeller blade comprising a hollow metallic body portion of flattened, tubular shape, extending the full length of the blade, one of the edges of such body portion being reenforced and strengthened by additional metal at such edge, and a supplementary body portion of plastic material thermoplastically bonded to only one side of the blade, leaving the opposite metallic side of the body portion exposed, said supplementary plastic body portion being substantially thickened at its leading and trailing edges and extending for the full length of the blade, and serving to complete the airfoil contour thereof.

2,383,343
TWO-CYLINDER SHORT-WAVE RESONATOR APPARATUS
Alden H. Ryan, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1940, Serial No. 352,413
17 Claims. (Cl. 250—27.5)



1. An electron tube comprising an evacuated container; means therein for producing an electron-beam; a modulating beam-coupling means for operating on said electron-beam at a buncher-region thereof for modulating the electron-velocity of said beam at a predetermined high-frequency rate; an excitable beam-coupling means to be acted upon by said electron-beam at a catcher-region thereof for absorbing high-frequency energy from the modulations of said beam; means for providing an intermediate space between said buncher- and catcher-regions of the electron-beam, said intermediate space being of a drift-space length which causes the electrons to become bunched as a result of the velocity-modulation in said buncher-region, so that the electrons traverse said catcher-region in a substantially bunched condition; said modulating and excitable beam-coupling means being two different portions of a single, conductor-ensheathed hollow-body resonator, for passing the electron-beam successively first in operative relation to the beam-modulating portion and later in operative relation to the energy-absorbing portion of the resonating space of the resonator, said resonator comprising the two different portions of the resonating space in open-space communication with one another, sufficiently free of conducting partitions so that a high-frequency oscillating condition in the energy-absorbing portion of the resonating space will directly communicate a high-frequency oscillating condition to the beam-modulating portion of the resonating space; and coupling means for coupling the resonator to some external device.

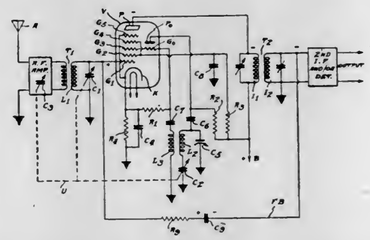
2,383,344
PURIFICATION OF GASES
Howard Scott, Forest Hills, and Philip R. Kalischer, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1942, Serial No. 442,766
2 Claims. (Cl. 23—277)



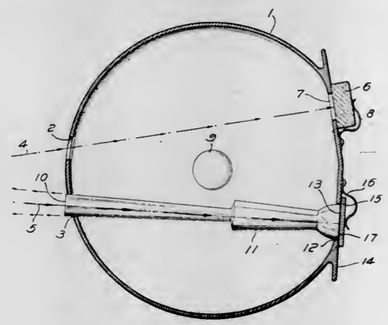
1. A device for treating gases to remove oxygenous impurities therefrom comprising, in combination, a cylindrical shell forming an enclosed chamber, a plurality of ferrous metal plates of relatively massive shape and form stacked within the chamber, the plates being circular in shape, each plate having a portion of the edge cut out, a spacer positioned between each plate to provide a space for flow of gases, the plates being so arranged within the shell and the cut out edge portions staggered so that gas is forced to travel back and forth across the surfaces of successive metal plates.

2,383,345
REFLEX CONVERTER CIRCUIT
Karl Seiler, 3rd, Jenkintown, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1942, Serial No. 458,432
10 Claims. (Cl. 250—20)

1. In a superheterodyne receiver, a circuit for performing the combined functions of first detector-oscillator and intermediate frequency amplifier, comprising an electron discharge tube having within a common envelope a cathode, a plurality of grid electrodes and a pair of anode electrodes, a tuned input circuit having impressed thereon the received signal oscillations connected between cathode and one of the grid electrodes, external circuit elements connected between a second grid electrode, said cathode and one of the anode electrodes to serve as a generator of local oscillations, an intermediate frequency circuit connected to the second anode electrode and having an output terminal, and a circuit for feeding back some of the intermediate frequency energy for amplification by said tube, said circuit being connected between the output terminal of the intermediate frequency circuit and the grid electrode to which the tuned input circuit is connected.



2,383,346
SPECTROPHOTOMETER ATTACHMENT FOR ELIMINATING SPECULAR REFLECTION
William A. Shurcliff, Washington, D. C., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 20, 1944, Serial No. 536,542
1 Claim. (Cl. 88—14)



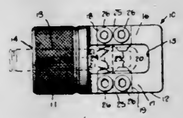
In a flickering-beam type spectrophotometer, an integrating sphere having at least one opening for the admission of light into the sphere; at least one sample mounting window; a transparent adapter located in said window, said adapter having one face forming a substantially continuous surface with that portion of the external sphere surface surrounding and adjacent to said window, said adapter extending across the sphere, projecting through and fitting in said light-admitting opening, whereby specular reflectance from the face of the adapter occurs outside the sphere, and a mounting means adapted to hold a sample in contact with the surface formed by said adapter and sphere surface.

2,383,347
REFRACTOMETER
Martin Silge, Oakland, Calif.
Application September 21, 1942, Serial No. 459,139
3 Claims. (Cl. 88—14)



1. A refractometer comprising a rigid housing, a series of spaced scales of consecutive values mounted in a limited field in said housing, a refracting means rigidly mounted in the housing in operative relation to the scales for refracting rays passing through samples under observation in accordance with the refractive indices of the samples, the refracting means comprising a plurality of fixed sections of different refractive powers for splitting the total range of refracted rays passing therethrough into a series of sub-ranges of consecutive sample index values corresponding to the scale values and for directing the sub-ranges toward the corresponding scales, and rigid means interposed between the refracting means and the scales for rendering the sub-ranges of refracted rays readable on the scales of corresponding measuring values, whereby the refractometer is made to selectively register the index value of any sample within the total range on one of the scales without requiring mechanical adjustment.

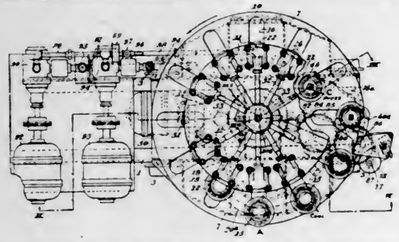
2,383,348
GEOMETRICAL INSTRUMENT
Russell S. Sink, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 24, 1942, Serial No. 459,483
4 Claims. (Cl. 33—174)



4. In a gauge for cartridge cases, the combination with a substantially rectangular frame having an aperture; of a cylindrical element joined integrally to one end of said frame, said cylindrical element having an axial hole in alignment with the aperture of said frame for supporting a cartridge case to be gauged, the neck portion thereof being positioned in said frame aperture; gauging elements; and means for adjustably securing said gauging elements in said frame on opposite sides of said aperture for detecting the eccentricity of said neck portion with respect to the body portion of said case.

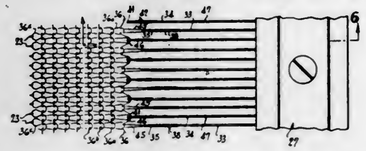
2,383,349
GLASSWARE WORKING APPARATUS
Edwin E. Slick, Pittsburgh, Pa.
Continuation of application Serial No. 64,227, February 17, 1936. This application May 27, 1940, Serial No. 337,545
9 Claims. (Cl. 49—5)

1. In a machine for forming hot fluid-like, viscous, or plastic material into a suitable shape where variations in power requirements occur during the operation of the machine and during the forming operations, a forming means, hydraulic pressure means operably associated with said forming means for moving said forming means to a forming position and for forming the material thereafter without interrupting the movement of said forming means, and means operably associated with said hydraulic pressure means, said last-mentioned means supplying hydraulic pressure energy to said hydraulic pres-



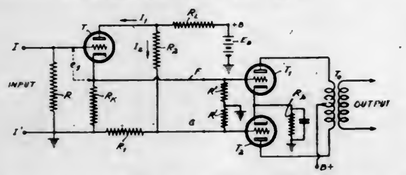
sure means at a constant rate and at a pressure that is directly proportional to the resistance encountered by said forming means in its movement, to first overcome resistance encountered in moving said forming means to a forming position, and thereafter, to increase the pressure energy as the forming operation progresses and as the material cools and becomes more viscous.

2,383,350
METHOD AND MEANS FOR PRODUCING STOCKING WELT CONSTRUCTION
Otto F. Smetana, Concord, N. C.
Application September 19, 1942, Serial No. 458,982
17 Claims. (Cl. 66—96)



8. That method of joining the initial welt courses of a stocking to a subsequent course which comprises releasably holding alternate sinker loops only of the first two courses, and at the same time releasably holding the remaining sinker loops of the first course, then knitting a plurality of subsequent courses, and then uniting said releasably held loops to the corresponding loops of one of the subsequent courses.

2,383,351
PHASE INVERTER CIRCUIT
James Ernest Smith, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1943, Serial No. 477,484
2 Claims. (Cl. 178—44)



1. In combination, an electron discharge tube provided with a grid, an anode, and a cathode and having a D. C. plate resistance of value R_p, a resistor of value R_k connected between cathode and ground, a pair of resistances of values R_2 and R_1 respectively connected between anode and ground, a resistor of value R_L connected between the anode and a source of positive potential, said values satisfying each of the following equations

$$\frac{R_p}{R_k}=\frac{R_2}{R_1}$$

$$\frac{R_k}{R_1}=\frac{R_L}{R_1+R_2+R_L}$$

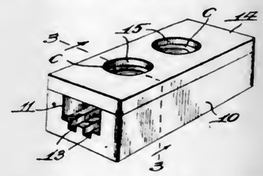
whereby there is developed at the cathode end of the resistor R_k and at the common terminal between R_1 and R_2 equal A. C. and equal D. C. voltages but of opposite polarities.

2,383,352
CHEESE PACKAGE
James E. Snyder, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 27, 1939, Serial No. 286,813
16 Claims. (Cl. 99—178)



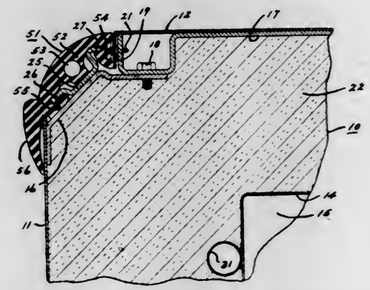
1. The method of forming a package from a flat envelope of sheet material having a continuous fluid-tight and fusible inner surface the two walls of which at the top are free from seams and folds between the ends thereof which comprises spreading the bottom of the envelope to conform to the interior of a box, filling the envelope to substantially the height of the upper edge of the box, separating said ends of the walls of the envelope at the top thereof until the walls are brought together at the top and uniting them by heating to cause them to coalesce.

2,383,353
CUPEL MUFFLE
Doty M. Steele, Los Angeles, Calif.
Application April 5, 1943, Serial No. 481,875
1 Claim. (Cl. 263—11)



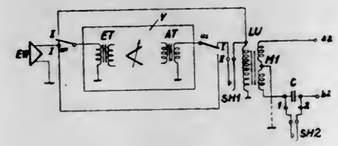
A cupel muffle comprising a one piece base provided in its upper portion with a longitudinally disposed channel, open at both ends, a portion of which channel is widened to provide a substantially circular cupel chamber, the diameter of which is substantially greater than the cupel positioned in said chamber, so that the entire outer face of the cupel within said chamber is exposed to atmosphere, there being a pair of longitudinally disposed parallel grooves formed in the bottom of said channel, the ends of which grooves are open, the intermediate portions of which grooves communicate with said cupel chamber and a one piece cover plate removably positioned on said base for wholly covering said channel, which cover plate is provided with an aperture, the size of which is such as to snugly receive the upper edge of the cupel positioned in the cupel chamber, so that the pocket in said cupel is open to atmosphere.

2,383,354
REFRIGERATING APPARATUS
Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 29, 1943, Serial No. 508,141
3 Claims. (Cl. 220—71)



1. A refrigerator cabinet having a bottom wall, a top wall and an upright wall structure forming a food storage chamber within said cabinet, means in said cabinet top wall providing an access opening for said chamber, movable means normally closing said chamber access opening, a sheet member disposed over said cabinet top wall, a sheet member disposed over said cabinet upright wall structure, the juncture of said top wall with said upright wall structure providing an exposed corner extending horizontally around the top of said cabinet, said first and said second named sheet members having their edges at said corner terminating short thereof and in spaced apart relation to one another, and a non-metallic resilient element interposed between and concealing the spaced apart edges of said members and being secured to said cabinet to form the exterior wall of said corner.

2,383,355
SUBSCRIBER'S CALLING DEVICE IN ELECTROACOUSTIC TRANSMISSION APPARATUS
Otto Tschumi, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application May 12, 1944, Serial No. 535,294
In Switzerland November 6, 1942
6 Claims. (Cl. 179—81)



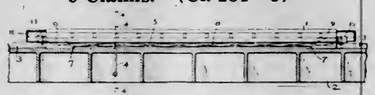
1. In an electro-acoustic transmission apparatus, a subscriber's calling device including a subscriber's station, means in said subscriber's station, destined to allow the speaking signals to be locked at will in one or both speaking directions, these means comprising two switches capable of effecting the change in the direction of communication, and two contacts to be controlled by the subscriber.

2,383,356
FIREARM
Merle H. Walker, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 5, 1944, Serial No. 529,640
2 Claims. (Cl. 29—1.1)



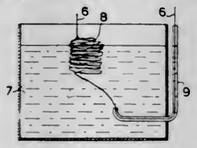
1. In the manufacture of rifled gun barrels, the method comprising the steps of forming a hole through the length of a barrel blank, said blank having a substantially uniform exterior diameter from end to end, plating said hole with an anti-friction metal, inserting into said hole a swaged forming tool of substantially the diameter of said hole and having raised spiral surfaces, pushing said tool through said plated barrel to form grooves in the walls of said barrel hole by plastic deformation of the barrel metal, relief annealing said blank after said plastic deformation to relieve expansion stresses set up by said plastic deformation, and subsequently exteriorly tapering said blank to the desired finished barrel configuration.

2,383,357
MACHINE TOOL LUBRICATION SYSTEM
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application February 3, 1943, Serial No. 474,618
9 Claims. (Cl. 184—6)



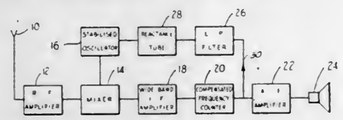
3. In a planer or the like a bed having V-shaped guideways, a table reciprocating on said bed and having V's to engage in said guideways, a system of interconnected oil grooves formed in the table V's, terminating short of the ends of the V's, said groove system communicating with the space between the guideways and V's, whereby oil supplied to said space will enter the system of grooves, and conduit means connecting the two ends of the system of grooves to each other, said conduit arranged to bypass the system of grooves thus forming a closed system with the grooves themselves.

2,383,358
TREATMENT OF CASEIN OR THE LIKE PROTEIN FIBERS
Robert Louis Wormell, Coventry, England, assignor to Courtaulds Limited, London, England, a British company
Application November 18, 1943, Serial No. 510,817
In Great Britain January 25, 1943
1 Claim. (Cl. 8—151.2)



A process of treating a tow of casein or the like protein fibers with a hardening liquid of specific gravity greater than the specific gravity of the fibers which consists in continuously feeding the tow in convolutions on to the surface of a bath of the said liquid so that the convolutions of the tow float on or in the liquid, allowing the tow to become at least partially hardened in the liquid and thereafter continuously withdrawing the tow from the treating liquid at a rate substantially equal to the rate of feed by removing the tow from the underside of the mass of convolutions and then conducting the tow out of the liquid through guiding means situated below the level of the underside of the mass of convolutions so that entanglement of the tow is avoided.

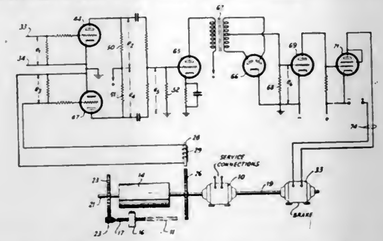
2,383,359
FREQUENCY MODULATION RECEIVER
Marc Ziegler, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 10, 1943, Serial No. 478,705
20 Claims. (Cl. 250—20)



1. The method of receiving frequency modulated waves which comprises mixing the received wave with frequency controllable local oscillations to obtain an intermediate frequency wave, counting the intermediate frequency wave by creating equal electrical voltage impulses equal in number to the number of periods of said intermediate frequency wave non-responsively to the amplitude thereof, to obtain an output voltage containing an audio frequency component reproducing the intelligence, while opposing to said output voltage a constant direct current voltage to obtain a compensated resultant voltage the mean value of which is zero for a pre-determined value of the central frequency of the incoming intermediate frequency wave, averaging the compensated resultant voltage over a time large in comparison with the lowest modulation frequency, so that the averaged resultant voltage is proportional to the slow deviations of the intermediate frequency from said predetermined value, and applying said averaged resultant voltage to the source of frequency controllable local oscillations to stabilize the frequency thereof with respect to a desired value differing from the central frequency of the incoming wave by said pre-determined value of the central intermediate frequency.

2,383,360
SYNCHRONIZING DEVICE
Maurice Artzt, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1943, Serial No. 504,337
6 Claims. (Cl. 178—69.5)

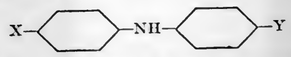
1. In a facsimile system, a scanner, power drive means for operating said scanner, means for deriving a signal representing the speed of scanning, means for deriving a signal representing the desired scanning speed, means for producing substantially square waves from both said signals, means for combining said square waves to produce pulses having a value thereof proportional to the phase difference between said signals, means for producing a unidirectional current having a value proportional to the amplitude of said pulses, and an electro-magnetically operated brake exerting a retarding force on said



scanner, said retarding force in any instant being proportional to the value of said pulses.

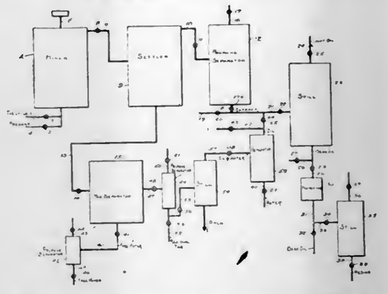
2,383,361
STABILIZING CELLULOSE ETHERS
Shailer L. Bass and Lawrence A. Rauner, Midland, and Paul H. Lipke, Jr., Bay City, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 5, 1943, Serial No. 485,756
9 Claims. (Cl. 106—186)

1. A process for insolubilizing and stabilizing cellulose ether compositions soluble in organic solvents and subject to deterioration by heat whereby they become less soluble in such solvents and less subject to such deterioration which comprises dispersing therein a compound having the general formula:



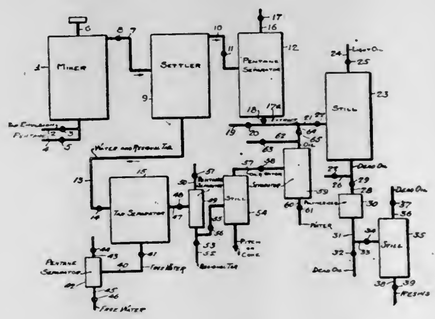
wherein X is a member of the group consisting of hydrogen, hydroxyl and alkoxyl radicals having a straight chain of 1 to 4 carbon atoms inclusive, and Y is a member of the group consisting of hydroxyl, arylamino, arylsulfonylamino, and alkoxyl radicals having a straight chain of 1 to 4 carbon atoms inclusive, and heating the mixture.

2,383,362
SEPARATION OF HYDROCARBON EMULSIONS
Howard R. Batchelder, Drexel Hill, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application August 17, 1940, Serial No. 353,034
22 Claims. (Cl. 196—5)



1. A method comprising commingling a tar emulsion comprised of products of pyrolysis of petroleum oil and water with a liquefied normally gaseous hydrocarbon solvent, said emulsion having water as the inner phase thereof and comprising hydrocarbon material at least in part soluble in said solvent, thereby dissolving at least a portion of said hydrocarbon material in said solvent and thereby liberating from said emulsion at least a portion of said hydrocarbon material and at least a portion of said water.

2,383,363
CHEMICAL PROCESS
Howard R. Batchelder, Drexel Hill, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,363
11 Claims. (Cl. 196—4)

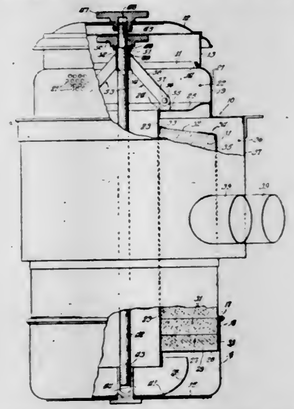


1. A method for fractionating a tar emulsion comprised of water and tar produced in the pyrolysis of petroleum oil, said tar containing readily heat polymerizable resin-forming unsaturated aromatic hydrocarbon components boiling above 210° C., comprising mixing with said tar emulsion sufficient liquid aliphatic hydrocarbon solvent containing from 5 to 6 carbon atoms per molecule to dissolve in said solvent as a separate liquid phase hydrocarbon components of said tar emulsion including readily heat polymerizable resin-forming unsaturated aromatic hydrocarbon components boiling above 210° C., and separating said solvent containing readily heat polymerizable resin-forming unsaturated aromatic hydrocarbon components in solution from said water and from undissolved tar components including hydrocarbon components insoluble in said solvent.

2,383,364
AIR CLEANER
William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 26, 1942, Serial No. 463,352
5 Claims. (Cl. 220—55)

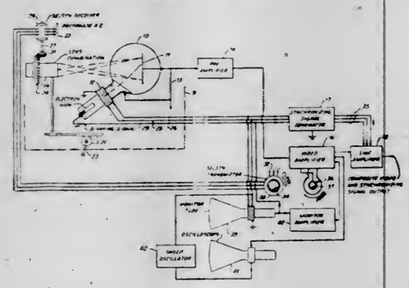
5. In an air filter structure including a casing wherein there are top and bottom end openings, and a cover member and a receptacle member respectively for and in removable closing association with said openings; means for releasably retaining said members in such association with said openings, comprising a rod having a lower end portion in threaded relation with said receptacle member and projecting upwardly in the casing where an upper end portion of such rod is disposed adjacently to the upper end opening of the casing, force-receiving means non-rotatively upon and of greater diameter than said upper end portion of the rod for manipulation in imparting to said rod a rotational force for unscrewing it from said receptacle member to release the

same, rod-holding means comprising split collar members embracing the rod below said force-receiving means to prevent downward displacement of the rod and accidental removal of the receptacle member from the bottom opening though being loosely associated with said rod to facilitate its rotation in effecting the aforesaid unscrewing from the receptacle member, said holding means also comprising mounts supported on and in said



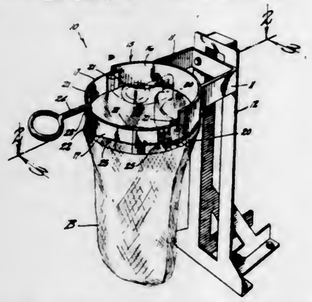
casing for said split collar members and being manipulatable in effecting separation of said collar members to provide clearance facilitating downward displacement of the rod and of the force-receiving means therepast pursuant to removal of the receptacle member, and said force-receiving means and said rod-holding means being disposed adjacently to the top opening by means of which they are accessible for their said manipulations.

2,383,365
TELEVISION PICKUP CONTROL SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1943, Serial No. 496,905
5 Claims. (Cl. 178—7.2)



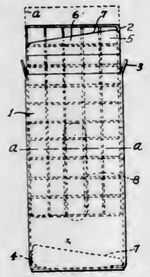
1. A television pickup control system comprising a television camera having a picture scanning tube, a lens, means for providing relative movement between said tube and said lens for focussing purposes, an amplifier, a transmission line connecting said tube with said amplifier, an adjustable gain control for said amplifier, a stop adjustment for said lens, remote control means for said stop adjustment means located adjacent to said gain control, an oscilloscope, and means to supply said oscilloscope with signals produced by said picture scanning tube, said remote control means and said adjustable gain control being accessible to and having a combined control for manipulation by an operator stationed within viewing distance of said oscilloscope whereby the aperture of said lens and the gain of said amplifier may be correlated to produce a signal having an optimum value of signal to noise ratio and signal components representing maximum depth of focus of said camera.

2,383,366
BAG HOLDER
John C. Broome, Dunedin, Fla., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 5, 1943, Serial No. 493,603
10 Claims. (Cl. 248—100)



1. A bag holder comprising: an annulus adapted to extend into and be expanded in the mouth of a bag, said annulus being formed of at least three sections hinged together at their respective contiguous ends on axes parallel with the axis of the annulus, certain of said sections being collapsible inwardly by pivoting said sections relative to each other about said hinge axis to disengage said holder from a bag.

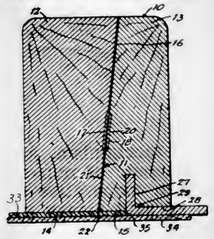
2,383,367
DISPENSING DEVICE
Walter O. Brown, Detroit, Mich.
Application July 26, 1943, Serial No. 496,243
2 Claims. (Cl. 206—42)



1. A device for dispensing pills, tablets, capsules or other elements comprising a container having cells opening through one face thereof and arranged in parallel rows both longitudinally and transversely thereof, an open ended cover member in which the container is slidable, the cover member having a foldable end portion extending from one side thereof and having an end edge at such angle to a transverse row of cells that, by relatively moving the container and cover, the cover may be positioned with the said angular edge exposing a desired number of cells

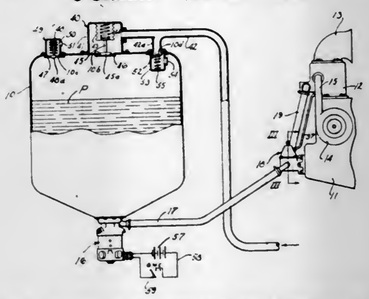
of a transverse row whereby the elements contained in the exposed cell or cells may be discharged by gravity by turning the device to position the open end of the cells downwardly.

2,383,368
DEVICE FOR CUTTING LINOLEUM AND THE LIKE
George H. Callaghan, Chicago, Ill., assignor, by direct and mesne assignments, to John H. Glover, Chicago, Ill.
Application December 26, 1942, Serial No. 470,173
5 Claims. (Cl. 30—293)



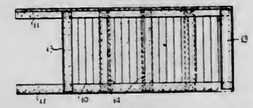
4. A device for cutting linoleum and the like, comprising a base member having a flat portion at the lower end thereof, a cutting blade carried by said member and extending downwardly therefrom below said flat portion, said blade being disposed at a small acute angle with respect to the normal to said flat portion and having a cutting edge at the lower end thereof, said member being equipped with a longitudinal recess therein laterally spaced from said cutting blade and adapted to slidably receive a guide member.

2,383,369
FUEL SYSTEM
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application July 2, 1942, Serial No. 449,421
8 Claims. (Cl. 158—36.3)



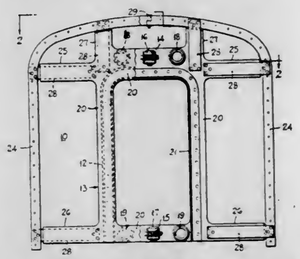
1. A combination vented and pressurized fuel system adapted for high ultitude aircraft performance which comprises a fuel tank, a booster pump mounted for receiving fuel from the bottom portion of the tank for delivering fuel from said tank, agitating means on said booster pump for beating out bubbles of gas and vapor from the fuel before pressurizing the fuel, a valve for venting the tank to the ambient air, means for closing said valve whenever the air pressure on fuel in the tank drops below a predetermined pressure, and a relief valve for said tank adapted to open whenever the pressure differential between the inside and outside of the tank exceeds a predetermined value.

2,383,370
SHEET METAL STRUCTURE AND METHOD OF MAKING THE SAME
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1943, Serial No. 506,477
9 Claims. (Cl. 189—34)



1. A metal structure comprising in combination, a longitudinal member, and a sheet metal panel secured thereto, said panel having transverse non-abrupt undulations which are relatively very shallow and relatively wide but narrow in absolute width, the undulations of the panel being substantially flattened along the frame member transversely of the undulations when secured, the unattached areas of the panel retaining the undulated appearance after attachment but being so nearly flat as to provide the strength of a flat panel, the unattached areas of the panel being placed in a state of pretension due to the flattening of the undulations along said member.

2,383,371
RAIL CAR END STRUCTURE
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1943, Serial No. 507,509
5 Claims. (Cl. 105—10)

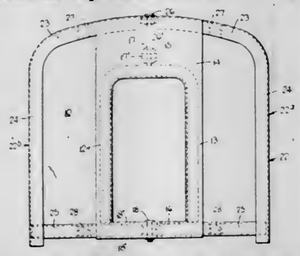


1. In combination, a rail car end wall, a diaphragm face plate supported in spaced relation from said end wall for in and out and pivotal movement substantially in the vertical central plane of the car, an outer peripheral member conforming to the sides and top of the car contour supported from said face plate solely by resilient means biasing it normally to an outer position, and a flexible diaphragm bridging the space between said peripheral member and the outer margin of the car end wall.

2,383,372
RAIL CAR CONSTRUCTION
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1943, Serial No. 507,510
4 Claims. (Cl. 105—10)

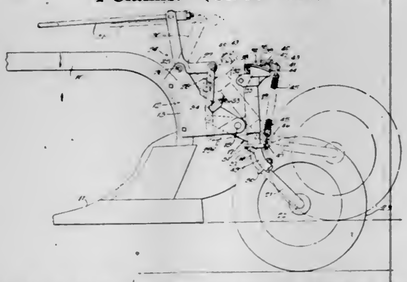
1. In combination, a rail car end wall having a doorway opening therein, an inner diaphragm face plate supported in spaced relation from said end wall for in and out and pivotal movement substantially in the vertical central plane of the car, said face plate being laterally of a width

to provide a framed doorway opening therein and extending from top to bottom of the car, an inner flexible diaphragm connecting the sides and tops of said doorway openings, lateral members together conforming to the sides and top of the car, each said members having inwardly extending portions at top and bottom overlapping the



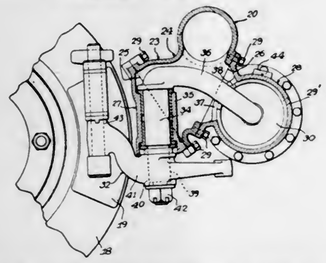
inner face of said face plate and pivoted thereto at top and bottom substantially in the central plane of the car, a flexible outer diaphragm connecting the sides and top of said lateral members with the periphery of the sides and top of said car end, and means urging said members and face plate outwardly to maintain said outer diaphragm taut.

2,383,373
PLOW
Frederick L. Dewey, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 10, 1943, Serial No. 482,594
4 Claims. (Cl. 97—127)



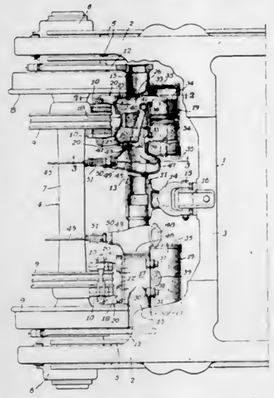
1. In a plow, in combination, a frame, earth-working tools carried by the frame, a bracket mounted on the rear of the frame and including a sleeve, a member axially rotatable in said sleeve, a furrow wheel carried by said member in alinement with said earth-working tools, means yieldably holding said furrow wheel in alined position when the plow is traveling in a straight line, said holding means including an arcuate member affixed to said sleeve and having a notch, a pivotal member mounted on the end of said rotatable member and arranged to engage said notch to prevent rotation of said rotatable member, said pivotal member being arranged to ride out of said notch and move in an arc coincident with said arcuate member and in contact therewith upon movement of said furrow wheel to positions out of alinement with said working tools, a spring, means connecting one end of said spring to said bracket, and means connecting the other end of said spring to said pivotal member for movement therewith in the direction of rotation thereof with respect to said bracket, whereby said furrow wheel is resiliently urged into alinement with said working tools.

2,383,374
BRAKE MECHANISM
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 15, 1944, Serial No. 526,514
8 Claims. (Cl. 188—153)



1. In a brake mechanism, a rotary disc-like brake member, a pair of non-rotary brake elements arranged in cooperative relation with the opposed faces of said rotary member, a brake support including a transversely extending member expanded into an enlarged housing in the region of said rotary member, said housing comprising a main body portion divided along a transverse plane from a separate portion carrying a cylinder actuator which is disposed wholly without the main body portion and having removable end walls, means demountably securing said portions together, and brake levers pivotally mounted in the main body portion and operatively associated with the respective non-rotary elements and said actuator.

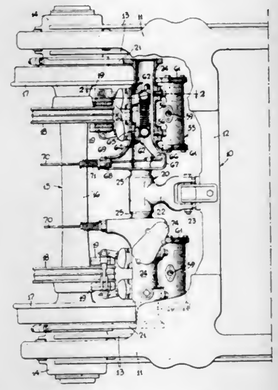
2,383,375
BRAKE MECHANISM
Carolus L. Eksergian and Paul W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1944, Serial No. 541,772
8 Claims. (Cl. 188—153)



1. In a brake arrangement, a vehicle frame, a supporting wheel and axle assembly, a brake disc mounted for rotation with each wheel of said assembly, brake shoes arranged for cooperation with the opposite faces of said discs, and a support for said shoes carried at its ends by said wheel and axle assembly and connected to the vehicle frame to prevent rotation thereof, said

support comprising a transverse member adjacent the peripheries of said discs and in the region of each disc being expanded to form a closed housing, brake levers pivoted in each housing and carrying respective shoes, a demountable brake cylinder forming a part of said housing for actuating said levers, and manual actuating means also enclosed in said housing comprising a lever and link connected to said brake levers, and means connected to said lever extending outside the housing in a direction longitudinally of the vehicle.

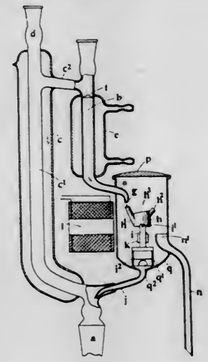
2,383,376
BRAKE ARRANGEMENT
Paul W. Gaenssle, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 24, 1944, Serial No. 550,957
10 Claims. (Cl. 188—59)



1. In a brake arrangement for vehicles, a rotary brake disc, a pair of brake shoes cooperating therewith, and support means for said shoes comprising a transverse beam having portions thereof adjacent said disc provided with vertically deep front and rear walls interconnected by top and bottom walls together forming a closed hollow cross-section, said portion having spaced pairs of longitudinally aligned openings in said front and rear walls, vertically spaced bearings on said front wall above and below the respective openings therein, brake levers extending through the respective pairs of longitudinally aligned openings, pivoted in the respective bearings and carrying the respective shoes, removable means sealing the openings in the front wall in a manner to permit the necessary movement of said levers, and a removable brake cylinder sealing the openings in the rear wall and receiving the adjacent ends of the brake levers therein for actuation thereby.

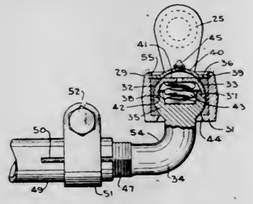
2,383,377
COLUMN HEAD FOR BATCH FRACTIONATING COLUMNS
Norman Evans and Patrick Docksey, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application June 3, 1944, Serial No. 538,686
9 Claims. (Cl. 202—163)

1. A column-head for batch fractionating columns, comprising a film-cooler having a condensate discharge outlet, a liquid "take-off" device including a closed bucket having an inlet and an oppositely disposed outlet respectively extending upward and outward from the bucket, and a depending counter-weight, the bucket inlet being normally disposed beneath said cooler outlet to receive a stream of condensate discharging therefrom, the bucket and counter-weight being adapted to be tilted as a system on a substantially



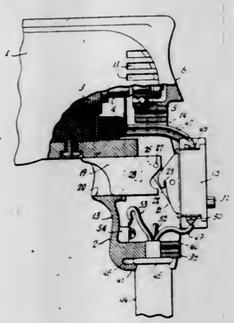
horizontal axis disposed transversely beneath and between the inlet and outlet of the bucket, on the bucket being filled with condensate, and means for tipping the bucket and discharging the contents of the bucket through the bucket outlet, whereupon the bucket-counterweight system returns to normal position, in which the bucket inlet is disposed beneath the discharging stream of condensate from said cooler.

2,383,378
JOINT CONSTRUCTION
William A. Flumerfelt, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application November 8, 1941, Serial No. 418,295
3 Claims. (Cl. 280—95)



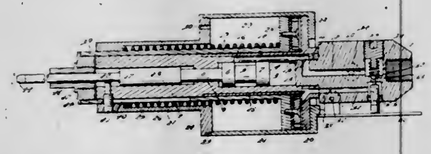
1. A ball joint including in combination, the boss of the steering knuckle of a vehicle wheel, said boss formed into a ball joint housing integrally connected with said steering knuckle; spherically shaped ball seats within said housing; openings at the top and bottom of said housing; an integral ball stud and ball having the ball thereof located within said ball seats and the stud extending outside said housing through one of the openings therein, said ball being larger than one of said openings and smaller than the other and said stud having a portion bent at an angle and provided with means to secure the same to a tie rod; means to close one of said openings in said housing; and resilient means located within the housing to maintain said ball and ball seats in contact and to compensate for wear.

2,383,379
SWITCH MOUNTING FOR ELECTRIC DRILLS
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1943, Serial No. 516,202
9 Claims. (Cl. 172—36)



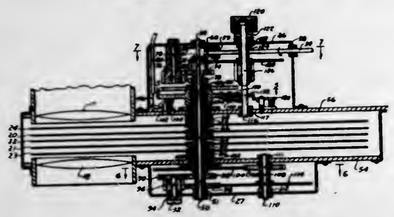
1. A portable power operated electric tool of the character described comprising, an electric motor and a spindle driven thereby, a tool housing having a motor enclosing and supporting section and a hollow handle section at the rear end of the tool, said handle section having opposed openings, a supply cable for the motor secured to the handle section, a switch device and an operable trigger block therefor insertable as a unit into the handle through one of said openings with the trigger block extending into the other of said openings, whereby said switch device with its trigger block in its associated opening may be positioned outside of the handle section at the opening through which the switch device is inserted for connecting the motor and cable leads, respectively thereto, and a cover plate secured to the handle section over said last mentioned opening for holding the switch device and the trigger block in operative positions in the handle.

2,383,380
PNEUMATIC PUNCH
Karl Gimpel, Philadelphia, Pa.
Application April 25, 1944, Serial No. 532,602
7 Claims. (Cl. 125—33)



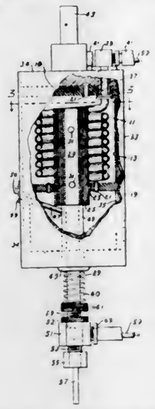
1. A power tool having a cylinder to receive a working tool, a piston chamber and a piston in the piston chamber to act on the working tool, means to admit motive fluid to the piston chamber to reciprocate the piston, an outer cylinder forming with the tool cylinder an outer piston chamber, a piston in said outer piston chamber and slidable on said tool cylinder and having a sleeve projecting beyond the forward end of said tool cylinder, a tubular contact member at the forward end of said sleeve through which the working tool can pass, and manually actuated means on the power tool to control admission of motive fluid to advance said second piston.

2,383,381
CAMERA SHUTTER
Laurens Hammond, Chicago, Ill.
Application October 28, 1942, Serial No. 463,641
7 Claims. (Cl. 95—61)



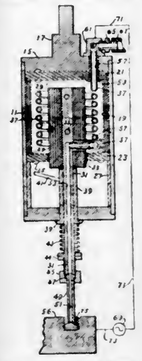
1. In a camera shutter mechanism, the combination of a plurality of apertured discs including a shutter disc, means supporting said discs for rotation with their apertures capable of registration with the lens opening of the camera, gearing for driving said discs at different speeds such that their apertures will register with the lens opening of the camera only once during each revolution of the shutter disc, means normally holding said shutter disc stationary in a position in which it occludes the lens opening, and manually controllable means for releasing said shutter disc and operatively connecting it to said gearing.

2,383,382
VIBRATORY ELECTROMAGNETIC APPARATUS
Henry V. Harding, Royal Oak, Mich., assignor to Elox Corporation, a corporation of Michigan
Application July 19, 1943, Serial No. 495,382
2 Claims. (Cl. 219—15)



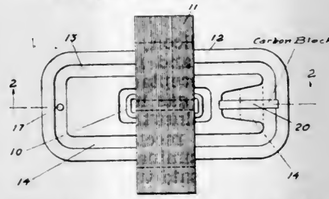
1. In a vibratory electromagnetic device for working on metals the combination of, a solenoid winding, said winding being wound of tubular metal so that a cooling medium may be circulated therethrough, a core reciprocatably disposed in and extending from said winding, a field structure associated with said winding and core for reducing the reluctance of the magnetic flux paths, conductive means connecting one terminal of said winding to said core and extension, means for guiding reciprocating movements of said core, resilient means tending to urge said core to a predetermined position from which it is attracted when the winding is energized, means limiting the predetermined position to which the core is moved by said resilient means, and a chuck on the extending end of said core, said chuck being constructed to removably mount an elongated, hollow, metallic element therein for engaging metal to be worked upon movement of said core, said chuck having a fluid flow passage therein communicable with said hollow element.

2,383,383
ELECTROMAGNETIC VIBRATORY METAL-WORKING APPARATUS
Henry V. Harding, Royal Oak, Mich., assignor to Elox Corporation, a corporation of Michigan
Application October 13, 1943, Serial No. 506,118
14 Claims. (Cl. 219—15)



1. Metal working apparatus comprising, an electromagnetic winding, said winding being formed of tubular metallic conductor so that coolant fluid and electric current may flow through the winding simultaneously, an armature disposed movably adjacent said winding for movement thereby, an extension connected to and projecting from said armature for moving an electrode, a fluid flow passage in said extension, and one end of the conductor of said winding being connected into said extension for movement therewith and for conducting electric current and coolant fluid therethrough.

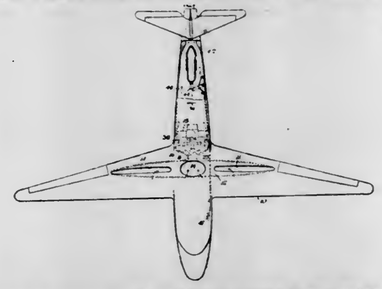
2,383,384
METALLURGICAL INDUCTION FURNACE
James Coffee Harris, Jr., Philadelphia, Pa.
Application July 18, 1944, Serial No. 545,425
3 Claims. (Cl. 13—5)



1. In an electric, induction furnace of the horizontal open ring type, a high resistance electrically conducting block choking the ring channel and forming a portion of the secondary.

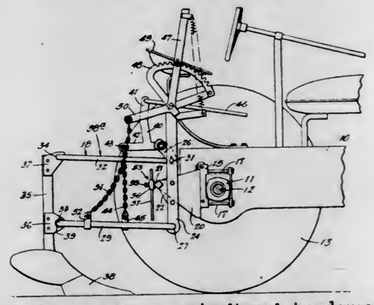
2,383,385
JET PROPULSION POWER PLANT
Carl Paul Heintze, Amityville, N. Y.
Application November 10, 1941, Serial No. 418,486
1 Claim. (Cl. 60—35.6)

A jet propulsion power plant including a reaction nozzle, a compression chamber communicating with said reaction nozzle, and an inlet opening to said chamber, an internal combustion engine mounted in said chamber, its exhaust ports opening into said chamber in the direction of the reaction nozzle, an elongated shaft on said engine, a centrifugal compressor mounted on the end of said shaft adjacent the inlet opening of said chamber, said compressor having radially positioned gear teeth formed in its back, a stationary gear wheel mounted coaxially with said compressor between said compressor and the engine,



a turbine rotor rotatably mounted on said shaft between said compressor and said stationary gear wheel, said turbine rotor having turbine blades peripherally mounted thereon to receive the flow from the compressor, said turbine rotor also having planetary gear wheels radially mounted therein and meshing with the stationary gear wheel and with the gear teeth of the compressor, whereby some of the power transmitted by the engine through the shaft to the compressor is returned to the shaft by the flow from the compressor to and through the turbine rotor.

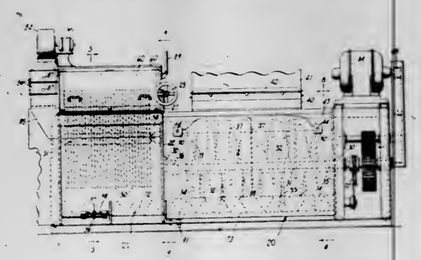
2,383,386
AGRICULTURAL IMPLEMENT
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 29, 1943, Serial No. 480,885
1 Claim. (Cl. 97—47)



A self-supporting agricultural implement attachable as a unit to a tractor or other support comprising, in combination, a frame, a tool standard, ground-contacting tools attached to said standard and serving as the only support for said implement when detached from the tractor, vertically spaced, generally parallel link members pivoted at one end on said standard, means pivotally connecting the other ends of said members to the frame, said members occupying a certain angle with respect to said standard and said frame when the implement is attached to the tractor, and means spaced from the ground arranged to prevent pivoting of said members when said implement is detached from said tractor,

said last-mentioned means comprising an adjustable stop affixed to said frame and arranged to abut against one of said members, whereby the angle occupied by said members with respect to said standard and said frame is maintained unimpaired.

2,383,387
APPARATUS FOR TREATING CHOCOLATE AND SIMILAR MATERIALS
Paul Hollstein, deceased, late of Carlstadt, N. J., by Rutherford Trust Co., administrator, Rutherford, N. J., assignor to J. M. Lehmann Co., Inc., New York, N. Y., a corporation of New York
Original application November 12, 1938, Serial No. 239,991. Divided and this application May 16, 1939, Serial No. 273,932
11 Claims. (Cl. 99—236)



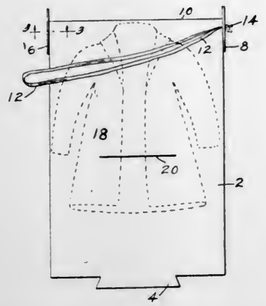
1. Apparatus for treating chocolate to improve its taste, texture and stability, comprising in combination, a beater for vigorously beating a mass of the material and moving it in a directed flow to an aerating zone, extensive aerating means in said aerating zone on which said material is spread, means for passing a stream of conditioned air between said aerating means over the spread-out material, and means for returning material from said aerating means to a beating zone, the amount of material on said aerating means being approximately 10% of the material in the machine and the area of material on the aerating means being approximately 10 sq. ft. or more for each 100 lbs. of material in the machine.

2,383,388
WEEDING TOOL
John R. Hughes, Urbanna, Va.
Application February 10, 1944, Serial No. 521,855
4 Claims. (Cl. 97—63)



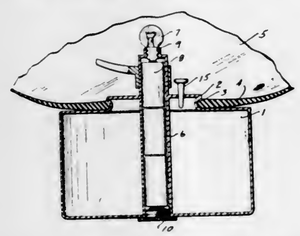
1. A one hand weeding tool comprising an elongated thin blade, having a beveled point at one end and a heel at the other, and sharpened along one side edge, said blade itself being curved longitudinally between point and heel, and a relatively small handle shank rigidly secured to said blade at a point adjacent but spaced from the heel and extending from the concave side thereof at a sharp angle thereto.

2,383,389
PACKAGE
Jeanette Illion, Newark, N. J.
Application September 1, 1944, Serial No. 552,341
4 Claims. (Cl. 206—7)



1. A package comprising an approximately rectangular sheet of material having closure means at one end, a tab on each side of said sheet at the other end, said tabs being adapted to fold against and form end walls for the tube formed by rolling the sheet in tubular form, a string having a length at least as great as the width of said sheet and connected to one tab, the other tab having a slit adapted to receive said string, and a slit in said sheet between the ends thereof adapted to receive said closure means.

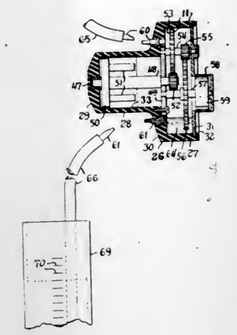
2,383,390
DISPLAY BALLOON
Herbert E. Jacobs, Portland, Oreg.
Application September 8, 1943, Serial No. 501,593
4 Claims. (Cl. 40—127)



1. In a display balloon, a balloon body, a receptacle carried by and in sealing cooperation with the body, said receptacle serving as a carrier for balloon-inflation gas under pressure, a tube within and sealed against the receptacle, said tube extending above the receptacle and within the body, a source of illumination within the body, means supported in said tube for energizing said source of illumination, and an article-supporting frame rigidly supported within the body.

2,383,391
TIME-TRAIN UNIT FOR CLOCKS AND THE LIKE
Manfred J. Johnson, New Haven, Conn., assignor to The United States Time Corporation, a corporation of Connecticut
Application February 25, 1943, Serial No. 477,090
2 Claims. (Cl. 184—1)

1. A time-train unit for time-instruments which includes a time-train and a pool of lubricant adjacent the said time-train, and an oil-tight casing enveloping the said time-train and the said pool of lubricant; the interior of the said oil-



tight casing being exhausted of air to an amount in excess of one-half inch of mercury to thereby minimize oxidation and aid in the diffusion of the lubricant.

2,383,392
ACID ESTERS OF ALKYLATED 1.4-NAPHTHOHYDROQUINONES AND PROCESS FOR THE MANUFACTURE OF SAME
Walter Karrer, Riehen, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 25, 1940, Serial No. 347,530. In Switzerland October 24, 1939
8 Claims. (Cl. 260—479)

1. An acid ester of an alkylated 1,4-naphthohydroquinone selected from the group consisting of a 2-lower-alkyl-1,4-naphthohydroquinone and a 2,3-di-lower-alkyl - 1,4 - naphthohydroquinone with an unsubstituted saturated aliphatic dicarboxylic acid having from 4 to 6 C atoms.

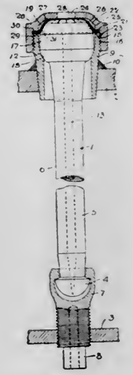
2,383,393
ACYL QUINONE SULPHONAMIDES AS PRINTING AIDS
Roy H. Kienle and Chester A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 1, 1943, Serial No. 493,132
10 Claims. (Cl. 8—70)

1. A color composition comprising a vat dye and a quinone-sulphonamide derivative having the general formula

$$Q(SO_2—R)_x$$

in which Q represents a quinonyl radical selected from the group consisting of beta-naphthoquinonyl and the anthraquinonyl radicals, R represents the residue of an amide selected from the group consisting of the aliphatic monocarboxylic acid amides and the monoamides of the aliphatic dicarboxylic acids having from 2 to 8 carbon atoms, phthalimide, and the monoamides of cyclic-dicarboxylic acids and x is a small whole number selected from the group consisting of 1 and 2.

2,383,394
FLEXIBLE HOLLOW STAY-BOLT CONSTRUCTION FOR BOILERS
Julius Kindervater, Richmond, Va., assignor to American Locomotive Company, New York. N. Y., a corporation of New York
Application July 20, 1944, Serial No. 545,815
4 Claims. (Cl. 85—1.5)

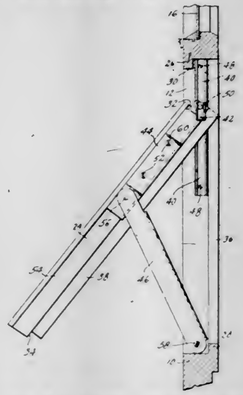


1. A flexible staybolt construction comprising a staybolt having a head at the outer end thereof with inner and outer spherical faces and a tell-tale hole opening through said head; and means cooperating with said head providing a flexible connection for securing said staybolt to the outer sheet of a boiler including a sleeve adapted to be secured at an orifice in said boiler sheet having a spherical seat engaging said head inner spherical face, a cap screwed on said sleeve having an orifice in line with said tell-tale hole and a dome disposed outwardly from said sleeve, said head at its said outer spherical face being housed in said dome with a space therebetween, a gasket having a flange and an outwardly extending concavo-convex spherical portion, its concave face snugly fitting upon said head outer spherical face, and a clamp having a flange, said flanges being secured between said sleeve and cap, said clamp further having an outwardly extending compressible concavo-convex spherical spring portion provided with an orifice in line with said tell-tale hole with its concave face adjacent its said flange in pressure engagement upon the convex face of said gasket portion and its convex face adjacent its orifice in pressed engagement with the inner face of said dome, said spring portion being energized by said cap when said cap is screwed home.

2,383,395
SASH HINGING HARDWARE
Peter H. Kuyper, Pella, Iowa, assignor to Rolscreen Company, Pella, Iowa, a corporation of Iowa
Application March 30, 1943, Serial No. 481,118
1 Claim. (Cl. 16—166)

Sash hinging hardware comprising guides adapted to be attached longitudinally along opposite sides of a window frame, arms adapted to be attached to the adjacent edges of the sash, said arms being angle-shaped in cross-section, shoes pivoted to said arms at one end and links pivoted to said arms at the other end, said links being angle-shaped in cross-section, said shoes sliding along said guides and the other end of said links adapted to be pivoted to said sides of said window frame, the end portions of said arms to which said shoes are pivoted being bent away from each

other so that the shoes are initially farther apart before installation of the sash in the window frame than said guides after they are installed on said window frame to cause the shoes to frictionally engage said guides during their sliding movement therealong, each side of said sash



having a pair of rabbets, each of said arms having its two flanges located in said part of rabbets and each of said links, when the sash is closed, forming an extension of its respective arm and having its two flanges also located in said pair of rabbets.

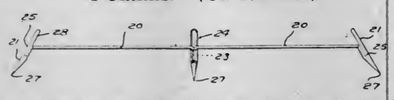
2,383,396

HAT ADJUSTING MEANS

Sarah Lipton, New York, N. Y.; Jane Lipton Orban administratrix of said Sarah Lipton, deceased

Application February 15, 1944, Serial No. 522,437

4 Claims. (Cl. 132—59)



1. A head size adjusting device for hats, having a flexible cord-like connecting element, an anchor pin clamped on each of the outer ends of the element, each of said anchor pins comprising a tubular body embracing the end of the flexible element and clamped in fixed engagement therewith and having point and tail portions extending from opposite ends of the body, and an anchor pin having a tubular body embracing and clamped to two adjacent cord portions intermediate the length of the flexible element, said anchor pin having point and tail portions extending from opposite ends of the body.

2,383,397

DEVICE FOR INSERTION INTO KEYHOLES FOR OBSTRUCTING SAME TO PREVENT UNAUTHORIZED ENTRY

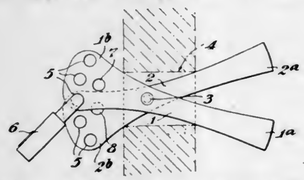
Olof Jonsson Lofqwist, London, England

Application September 1, 1943, Serial No. 500,832

In Great Britain September 15, 1942

1 Claim. (Cl. 70—424)

A device for insertion into the keyhole of a lock to prevent the insertion of a key therein comprising a pair of superimposed identically-shaped flat plates pivoted together intermediate their ends for swinging movement between a closed position in which they register with one another and are bounded by a common perimeter for insertion of corresponding end portions thereof into a keyhole and an open position in which they extend in crossed relationship to each other and their said corresponding end portions thereby are prevented from being withdrawn from the keyhole, the opposite end portion of each of said



plates having a plurality of openings therein for selective alinement with the openings of the other plate to accommodate an element to hold the plates in any of a plurality of open positions relative to each other.

2,383,398

PROCESS FOR EXTRACTING OIL FROM AVOCADOS

Howard T. Love, Mayaguez, P. R.; dedicated to the free use of the People in the Territory of the United States

No Drawing. Application October 9, 1943, Serial No. 505,700

4 Claims. (Cl. 260—412)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A process of extracting oil from avocados comprising forming a pulpy mixture of the avocados with lime, to disintegrate the cell walls of the avocados and to cause the oil-water emulsion to break, and then separating the oil from the mixture.

2,383,399

MODIFIED MALEIC ANHYDRIDE-TERPENE REACTION PRODUCTS AND METHOD OF PRODUCING SAME

William E. Lundquist, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 6, 1941, Serial No. 413,903

2 Claims. (Cl. 260—78)

1. A process for making polymeric carboxylic anhydrides from reactants consisting essentially of maleic anhydride, a terpene having not more than two double bonds per molecule and having the formula $C_{10}H_{16}$, and a polymerizable mono-olefinic compound selected from the group consisting of styrene and indene, said process comprising simultaneously polymerizing the maleic anhydride and said terpene with said mono-olefinic compound in proportions, based on the weight of said reactants, of 20% to 60% of said terpene, 35% to 60% of the maleic anhydride, and 5% to 30% of said mono-olefinic compound.

2,383,400

VIBRATION DAMPER

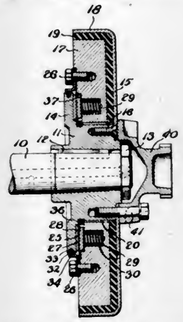
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application September 5, 1942, Serial No. 457,408

1 Claim. (Cl. 74—574)

A vibration damper for a crankshaft comprising a carrier hub having a radially directed disk, a member fixed to the hub in spaced relation to the disk, an inertia ring intermediate the disk and the member, rubber means between and bonded to the member and the inertia ring, a friction ring between the disk and the inertia ring, a friction disk fixed to the inertia ring and

bearing against the friction ring, a backing ring engaging the friction disk on the face opposite the friction ring engaging portion, and spring



means seated in the inertia ring and acting against said backing ring and friction disk to hold the friction ring engaged with the friction disk.

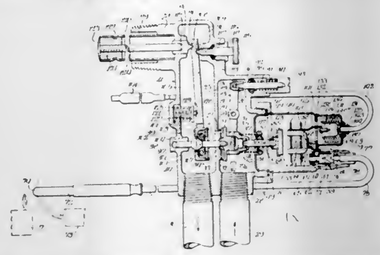
2,383,401

THERMOSTAT, SAFETY PILOT, AND LIMIT CONTROL

Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 29, 1943, Serial No. 473,968

16 Claims. (Cl. 236—21)



15. In control means of the character described, a valve body having an inlet chamber and an outlet chamber with a valve port therebetween, a valve controlling said port, thermostatic means for mechanically opening and closing said valve to maintain selected temperatures, a valve closing member having an inoperable position permitting opening and closing of said valve and an operable position effective for mechanically closing of said valve and maintaining it closed, electromagnetic means effective when energized for holding said valve closing member in its inoperable position, and means effective for mechanically urging said valve closing member away from said electromagnetic means with a force sufficient to release it therefrom.

2,383,402

APPARATUS FOR RUSTPROOFING THE INSIDE OF GASOMETER BELLS

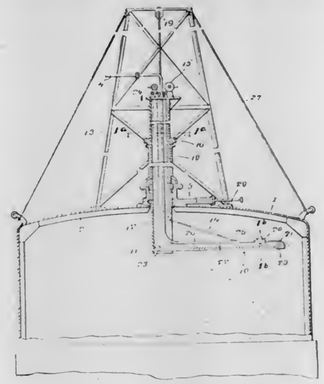
Fritz Maurer, Stuttgart-Bad Cannstatt, and Rudolf Laquay, Stuttgart, Germany; vested in the Alien Property Custodian

Application September 28, 1938, Serial No. 232,172

In Germany October 1, 1937

2 Claims. (Cl. 91—44)

1. In an apparatus for coating the inside of a gasometer bell, having a substantially central opening in its top, means at said opening forming a sealed bearing, means for spraying liquid onto the inner wall of the bell, said spraying means including a tubular support extending through said bearing into said bell, means for rotatably and slidably mounting said support in said bearing, a boom pivotally mounted at the inner end of said support for swinging movement in a plane passing through the longitudinal



axis of said support, said boom being formed with a longitudinal guide, piping extending through said support and along said boom, jet means carried by said boom in communication with said piping for forming a spraying jet directed toward the wall of said bell, said jet means comprising a nozzle slidable along said guide, and means for swinging said boom about its pivotal support.

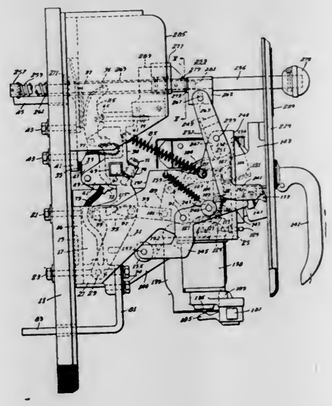
2,383,403

CIRCUIT BREAKER

John W. May, Pittsburgh, William H. Stuellein, East McKeesport, and Merl E. Horn, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1941, Serial No. 423,360

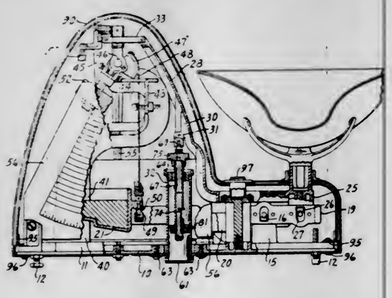
8 Claims. (Cl. 200—89)



1. A circuit breaker comprising a contact member movable to an open position and to a closed

position, a toggle operable to cause an opening movement of said contact member, means operable solely to move the contact member to closed position, and a pivoted lever having a part engageable with a part movable with said toggle and a part engageable with the closing means for moving said closing means to close position to prevent opening movement of the contact member.

2,383,404
SCALE
David A. Meeker, Troy, and Kenneth C. Allen, Dayton, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Original application October 15, 1941, Serial No. 415,108. Divided and this application June 29, 1942, Serial No. 448,965
6 Claims. (Cl. 265—61)

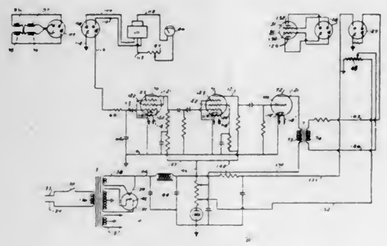


1. A computing scale of the character described comprising a base, a weighted lever mounted on said base having a wide portion and a narrow portion, a fulcrum for pivotally supporting said lever from the wide part thereof, a platter support pivotally mounted on the wide portion of said lever at one side of said base, a pendulum connected to said lever overbalanced by said lever and arranged to descend as the weight is applied to the platter, an inverted fan chart having its lower part overlapping the narrow portion of said lever, means for supporting said pendulum with its axis of rotation above said chart, an index pointer rotatable with said pendulum about said axis over the face of said chart, and a platter received on said platter support in position adjacent and overlying the lower edge of said chart.

2,383,405
BALANCING METHOD AND APPARATUS
Marcellus S. Merrill and Claude M. Hathaway, Denver, Colo.
Application July 27, 1940, Serial No. 350,366
12 Claims. (Cl. 73—66)

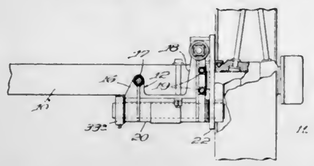
2. A method of detecting the angular locus of the unbalanced portion of a vehicle wheel rotatably supported on an axle of the vehicle and forming therewith an elastic, damped vibrational system wherein the displacement caused by the unbalance lags the locus of mass by 90 degrees at the resonant speed of the system, comprising noting a characteristic mark on the wheel, freeing the wheel for rotation, rotating the wheel at a speed in excess of the resonant speed, freely decelerating the wheel at least to said resonant speed, generating electrical signals in synchronism with said vibrations, operating a stroboscopic device at a predetermined cyclic point of the signals, observing the apparent fixed position of the mark at the resonant speed of the wheel, and stopping the wheel and returning said mark to its apparent fixed position, thereby to locate the locus of unbalance at the same position relative to the vehicle, no matter what the resonant speed.

6. Apparatus for balancing vehicle wheels while journaled on the vehicle and supported for free rotation, including in combination, means for rotating the wheel at a speed productive of resonance in the vibratory system including the wheel, an electromagnetic pickup for generating a signal voltage synchronous with vibrations of the wheel supporting structure induced by an unbal-



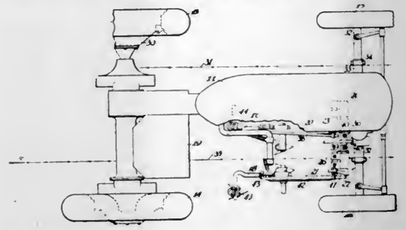
ance of the freely rotating wheel, a stroboscopic device, electric means connected between the pick-up and stroboscopic device for periodically flashing the device in synchronism with said vibrations, and phasing means connected between said electric means and the electromagnetic pick-up for maintaining a substantially constant phase relation between the generated voltage and the voltage operating on the stroboscopic device for all frequencies within the range of resonant speeds of vehicle wheels.

2,383,406
WHEEL MOUNTING
Lee P. Millard, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 14, 1942, Serial No. 465,553
7 Claims. (Cl. 301—133)



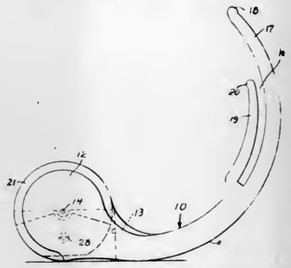
1. In combination, an axle, a fitting extending at the end of the axle from the bottom thereof upwardly along one side thereof and across the top and beyond the other side, means securing the fitting to the axle, an arm extending across the end of the axle, means pivotally mounting one end of the arm on the fitting on a pivot axis parallel to the axle at one side and adjacent the bottom thereof, a wheel mounted at an intermediate point of the arm generally in alinement with the axle, a projection secured to the other end of the arm at the said other side of the axle, a pin extending along the said other side of the axle through the projection and a portion of the fitting at the said other side of the axle and carrying a head engaging the under side of the projection and spring-retaining means spaced from and above the fitting, and a spring embracing the pin between the fitting and the projection.

2,383,407
AGRICULTURAL IMPLEMENT
George H. Miller, Erie, Pa., assignor to International Harvester Company, a corporation of New Jersey
Application August 10, 1942, Serial No. 454,208
1 Claim. (Cl. 97—47)



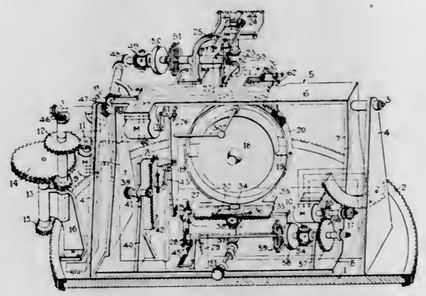
In combination, a tractor having laterally spaced wheels, an offset longitudinally extending body portion located to one side of the center line through the tractor, a pair of cultivating rigs when connected to the tractor for the cultivation of widely spaced row crops being located respectively at opposite sides of the center line of the tractor, means for converting the tractor and the cultivating rigs into an arrangement adapted for the cultivation of narrowly spaced crop rows, said converting means including means for connecting the wheels to the tractor for lateral adjustment so that the wheels may be spaced to straddle two of the narrowly spaced crop rows, means for connecting the cultivating rigs to the tractor for translational lateral adjustment thereon including for at least one of the rigs a link having transverse connecting portions invertibly connectable to the tractor for locating its rig laterally removed from its initial position and a transverse bearing member for each link having an opening at each end adapted to receive the transverse portion of said link, whereby the rigs may be rearranged laterally with respect to the adjusted wheels and for proper alinement with the narrowly spaced crop row.

2,383,408
POSTAL SCALE
Porter S. Morgan, Westport, Conn.
Application August 25, 1943, Serial No. 499,875
10 Claims. (Cl. 265—49)



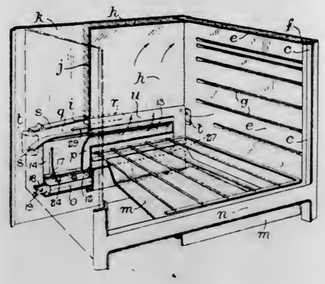
1. In a postal scale, a curvilinear body having a counterbalancing weight adjacent to one end thereof and having its other end bifurcated to form a curved slot for receiving and retaining a piece of mail, the lower surface of said body forming a smooth curve adapted to rock on a plane surface in accordance with the weight of a piece of mail positioned in said slot, and indicator means on said body for indicating said weight.

2,383,409
CONTROLLING MEANS FOR GYROSCOPES
William H. Newell, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 15, 1943, Serial No. 490,866
8 Claims. (Cl. 74—5)



1. Controlling means for gyroscopes comprising, in combination with a supporting member pivoted for movement about two mutally perpendicular axes and a gyroscope mounted in the supporting member for freedom of precession about two mutually perpendicular axes, means for applying controlled precession forces to the gyroscope about each of said precession axes, power means for moving the supporting member about its axes, controls for the power means responsive to the relative angular positions of the gyroscope and its supporting member, and additional means responsive to predetermined relative angular positions for applying a force opposing said precession force.

2,383,410
GAS HEATED COOKING OVEN
Arthur Frederick Oatley, Deepfields, England
Application December 15, 1941, Serial No. 423,114
In Great Britain December 16, 1940
2 Claims. (Cl. 126—39)



1. Gas heated cooking apparatus comprising in combination an oven having side walls, a front having a door opening therein, a door for said opening, a back wall, a top and a base plate, a combustion chamber removably supported between the rear edge of the base plate and the back wall and having a front wall, ends and a forwardly arched rear wall the upper edge of which lies above and substantially in the plane of the front wall and with the upper edge of the front wall defines an opening in the back wall of the oven which is relatively narrow with respect to the

depth of the combustion chamber and through which the combustion chamber communicates with the interior of the oven, the combustion chamber having a second opening at the lower part thereof through which the combustion chamber communicates with the atmosphere, a burner directly below the opening in the lower part of the combustion chamber, means forming an outlet flue chamber communicating with the atmosphere and extending transversely across the back of the oven and directly above the combustion chamber, recesses formed in the side walls of the oven and parts of which recesses lie in the interior of the oven and parts of which recesses overlap the ends of the outlet flue chamber to afford communication between the interior of the oven and the ends of the flue chamber, said flue chamber having no other communication with the combustion chamber.

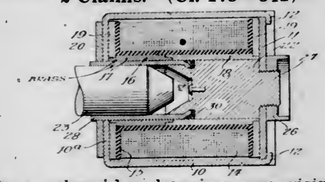
2,383,411

SOLENOID CONSTRUCTION

Thedore Obszarny, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application March 23, 1942, Serial No. 435,783

2 Claims. (Cl. 175—341)



1. In a solenoid, a housing comprising a cup-shaped body and a disc for enclosing the open end thereof, an annular coil mounted in the housing, a tube mounted within and extending the length of the coil, one end portion of said tube being formed of non-magnetic material and the other end portion being formed of magnetic material, a second tube of non-magnetic material mounted within said first mentioned tube in lapped relation to said non-magnetic portion of said first mentioned tube and extending beyond the juncture of the portions of said first mentioned tube, a ferrous metal plunger reciprocably mounted in said second tube, and a ferrous metal plug mounted in said tubes in alignment in axial direction with substantially the entire length of said magnetic portion of the first mentioned tube.

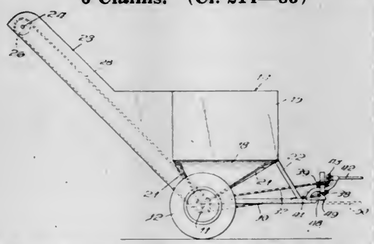
2,383,412

VEGETABLE CART AND LOADER

John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 13, 1944, Serial No. 530,809

6 Claims. (Cl. 214—83)



1. A combination vegetable cart and loader including a frame, laterally spaced wheels supporting the frame, a transverse axle journaling said wheels, a receptacle mounted on the frame comprising downwardly converging side walls, a rearwardly and downwardly inclined front wall serving as a bottom for said receptacle and terminating adjacent said axle, an opening in the rear wall of said receptacle, laterally spaced wall portions extending rearwardly therefrom at opposite sides of said opening, a shaft between said wall portions adjacent their rear ends and journaled therein, spaced sprocket wheels on said shaft, spaced sprocket wheels journaled on said axle, and an endless conveyer trained on said sprocket wheels.

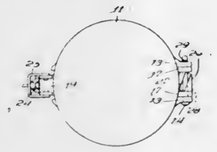
2,383,413

PLANTER

John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application June 12, 1944, Serial No. 539,976

4 Claims. (Cl. 111—1)



1. In a planter, a support, a pivot pin mounted in the support, a hopper pivoted on the pin to form a hinge joint with the support, a base plate pivoted on the pin, means for removing the hopper, the base plate and the pivot pin as a unit from the support, including a centrally bored pivot holder on said support for the reception of said pin, said pivot holder having a radial opening therein coextensive with the length and diagonal to the pivot axis thereof, and serving for the radial insertion of said pivot pin in said bore.

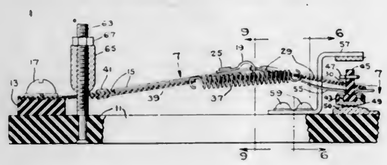
2,383,414

SNAP-ACTING SWITCH

Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application November 27, 1944, Serial No. 565,281

7 Claims. (Cl. 200—138)



1. A thermostatic snap-acting switch comprising a first bimetal bar having one end thereof fixed and having a central longitudinal slot in its other end portion, a second bar positioned in pivotal end-to-end relation to said first bimetal bar and having a central longitudinal slot in its pivotally supported end portion, a second bimetal bar, of greater thermosensitivity than said first bimetal bar having one end thereof mounted on said first bar intermediate the ends thereof to partially overhang the slot in said first bimetal bar and an over center spring in said aligned slots having its ends connected to said second bar and said second bimetal bar.

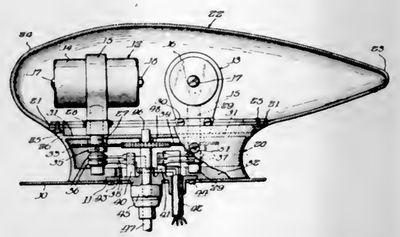
2,383,415

LOOP ANTENNA APPARATUS

Wladimir J. Polydoroff, Wilmette, Ill.

Application March 11, 1943, Serial No. 478,748

6 Claims. (Cl. 250—33)



1. An antenna system for the reception of radio waves, said system including a loop antenna of high inductance for receiving radio waves of low frequency, a second loop antenna of low inductance for the reception of radio waves of high frequency, each loop antenna comprising a pair of coils coaxially wound on an elongated core member, a shaft journalling each said loop antenna for rotation on an axis normal to its magnetic axis, a gear on each shaft, releasable means securing one of said gears to its shaft whereby the shaft may be independently rotated when the gear is released, and a driving gear having meshing relation with the gears fixed to the shafts respectively, said geared connection of the loops being constructed and arranged to provide for rotation of the loops simultaneously while maintaining their magnetic axes at right angles to each other.

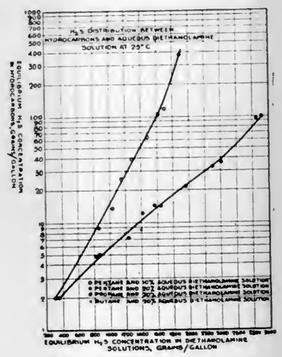
2,383,416

PROCESS OF REMOVING HYDROGEN SULPHIDE FROM HYDROCARBON LIQUIDS

Robert M. Reed, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application March 12, 1943, Serial No. 478,860

3 Claims. (Cl. 196—32)



1. The process of removing hydrogen sulphide from hydrocarbon liquids containing both hydrogen sulphide and carbonyl sulphide, which comprises the steps of contacting the hydrocarbon liquid with an aqueous solution of diethanolamine while dissolving but little of said diethanolamine in said hydrocarbon, separating said solution and the contained hydrogen sulphide from the hydrocarbon liquid, heating said solution to dispel the absorbed hydrogen sulphide therefrom and regenerate said solution, cooling said solution and contacting further quantities of hydrocarbon liquid with the regenerated solution.

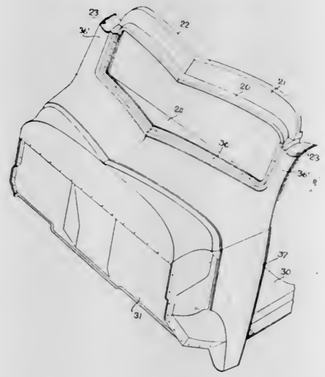
2,383,417

VEHICLE BODY CONSTRUCTION

Donald G. Renno, New Haven, Ind., assignor to International Harvester Company, a corporation of New Jersey

Original application September 18, 1941, Serial No. 411,272. Divided and this application October 8, 1942, Serial No. 461,277

2 Claims. (Cl. 296—28)



1. A front end construction for a frameless unit metal body for automotive vehicles comprising, an inner front panel having a windshield opening therein, said panel being formed with a flange extending entirely around the windshield opening, said flange having an extension flange lying parallel to the plane of the windshield glass, said inner panel having an upwardly-extending portion provided with a rearwardly-turned roof attaching flange lying in the plane of the vehicle roof, an outer front panel including a cowl portion and front pillar portions, said portions having an inturned flange extending around the ends and bottom of the windshield opening, said inturned flange being provided with an extension attaching flange lying in contact with the corresponding extension flange on the inner panel, and a roof panel having a front end portion overlapping the upper portion of the inner front panel and joined to the pillar portions of the outer front panel, said roof panel having an attaching flange mating with the corresponding portion of the inner panel extension flange around the upper portion of the windshield opening, the rearwardly-turned roof attaching flange of the inner panel being joined to the inner side of the roof panel.

2,383,418

ESCAPEMENT

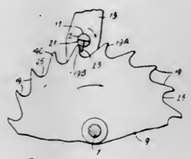
Marcus H. Rhodes, Hartford, Conn., assignor to M. H. Rhodes, Inc., Hartford, Conn., a corporation of Delaware

Original application December 12, 1940, Serial No. 369,693, now Patent No. 2,363,993, dated November 28, 1944. Divided and this application April 19, 1941, Serial No. 389,312

2 Claims. (Cl. 58—117)

1. An escapement mechanism comprising an escapement wheel having escapement teeth, all

parts of which are substantially in a plane, said teeth having at least their forward faces sloping from their bottoms to their tops in the direction of their normal advance, an oscillating balance staff having a braking surface associated with said staff and a notch permitting escapement of said teeth successively and terminating



the braking surface, and a pallet having a continuous pallet face extending from said notch to a point outside of the radius of the braking surface, said pallet face being adapted to be engaged by said teeth as they pass successively through said notch, said pallet face having a surface engaged by the teeth without a hooking action.

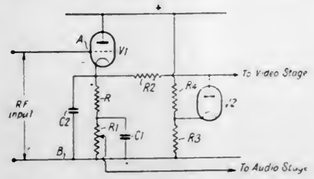
2,383,419
CATTLE MARKER
William F. Schacht, Huntington, Ind.
Original application May 8, 1943, Serial No. 486,221. Divided and this application January 18, 1944, Serial No. 518,759
1 Claim. (Cl. 40—3)



A cattle marker, comprising a marker plate, and a chain having links, each link being formed of wire having its ends bent back upon itself to form loops at each end thereof, said ends being twisted on the central portion of the wire, one link of the chain being flattened so that the loops at each end lie substantially in the same plane; and the marker plate having two eyes engaging the loops of the flattened link, one eye being disposed at each side of the twist of the link, and said eyes when engaged in said loops forming a double lock for the plate on the chain.

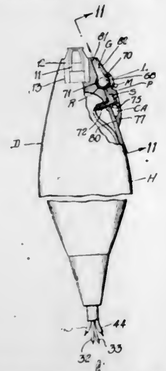
2,383,420
THERMIONIC VALVE CIRCUITS
Graham John Scoles, East Sheen, London, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application September 21, 1943, Serial No. 503,280
In Great Britain August 8, 1941
2 Claims. (Cl. 250—27)

1. In a thermionic valve circuit for detecting complex signals, means for extracting the different signal outputs respectively at different terminals and for limiting at least one of said outputs to approximately a predetermined value without limiting audio output, comprising a detector valve having a cathode and a signal receiving grid and arranged as a cathode follower, a limiter diode having an anode and a cathode, means including a resistance connecting the cathode of the detector valve to the anode of the limiter diode, said resistance being high relatively to the impedance of the limiter diode, and the



cathode of the limiter diode being positively biased, means for taking the limited signal output from the anode of the limiter diode, a resistance in the cathode circuit of the detector valve, and means for taking another signal output from said last named resistance.

2,383,421
ULTRAVIOLET RAY APPLICATOR
Maxwell I. Schultz, Scarsdale, N. Y.
Application August 7, 1944, Serial No. 548,409
8 Claims. (Cl. 128—395)

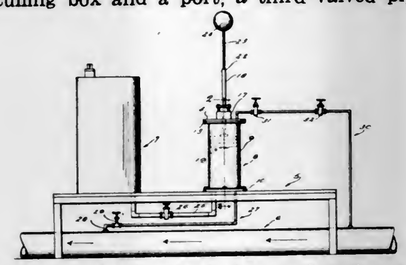


1. In a therapeutic device for sustaining a hair cutting member and for sterilizing skin during removal of stubble therefrom, a relatively elongated casing having in part converging side walls, one of said walls having an outer sloping surface leading towards said cutting member and having a cavity extending widthwise thereof and spaced from and adjacent said cutting member, an ultraviolet ray generator disposed at least in part across said cavity, means carried on the outside of said casing and spaced from said surface to define a gap, and a combined shutter and reflector sustained by said means for controlling the area of said gap and surrounding said generator for directing ultraviolet rays through said gap and along said surface and to and beyond said cutting member.

2,383,422
CHEMICAL FEEDING PUMP
John F. Singleton, Van, Tex.
Application February 23, 1944, Serial No. 523,584
1 Claim. (Cl. 103—153)

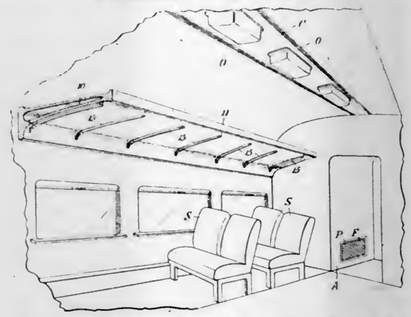
In a structure of the class described, a pumping cylinder for delivering fluid under pressure, said cylinder embodying a base with an outstanding marginal flange adapted for anchorage on a relatively fixed support, the bottom of said cylinder

having a chemical intake and supply port, a valved chemical supply pipe connected to said port and adapted for connection with a chemical supply tank, said bottom being further provided with a chemical discharge port, a valved pipe connected to said chemical discharge port, the major portion of said cylinder being imperforate, a closing plate for the top of the cylinder having a stuffing box and a port, a third valved pipe,



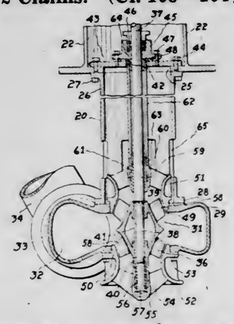
this connected with the last-named port, a piston comprising a head slidable in said cylinder and including upper and lower packing cups, said head serving to divide the cylinder into upper and lower chambers in respect to said top and bottom ports, said piston also including a reciprocatory rod extending upwardly through and beyond said stuffing box, and a detachable ball weight having a socket mounted on the upper end of said piston rod.

2,383,423
AIR PURIFYING AND CONDITIONING SYSTEM
Carleton K. Steins, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 27, 1943, Serial No. 500,220
9 Claims. (Cl. 98—10)



1. An air purifying and conditioning system for railway passenger cars and the like having seats serially arranged along one of its side walls, comprising a refrigerating compartment at one end of the car; an air flow duct with lateral discharge openings at the ceiling of the car, connecting into the refrigerating compartment; an air return inlet into the refrigerating compartment adjacent the car floor; blower means within the refrigerating compartment for causing circulation of the air between said compartment and the passenger space in the car; a continuous hollow longitudinal shelf-like projection extending inwardly from the side wall of the car with inlet apertures in its bottom, directly over the seats, and constituting an auxiliary air return duct which communicates with the suction side of the blower means in the refrigerating compartment; and filter means at the delivery end of the return duct for removing smoke and fumes from the air before it is released into the refrigerating compartment for recirculation in the car.

2,383,424
PUMP
Alexey J. Stepanoff, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1944, Serial No. 534,392
2 Claims. (Cl. 103—104)



1. In a vertical pump, a base member, an extension depending from the base member and having a port for the admission of liquid thereinto, a pump casing depending from the extension and having an impeller chamber and an opening to communicate the impeller chamber with the interior of the extension, a discharge conduit for the impeller chamber connected to the casing, a suction bell in the opening to convey liquid from the extension into the impeller chamber and being adjustable axially of the impeller chamber; an impeller in the impeller chamber of smaller diameter than the opening and the extension to enable the impeller to pass therethrough, a vertical shaft for the impeller extending through the extension and the base member, a bearing in the suction bell for the shaft, and a holder for the suction bell and the bearing adjustably connected to the base member for effecting adjustment of the suction bell axially of the impeller.

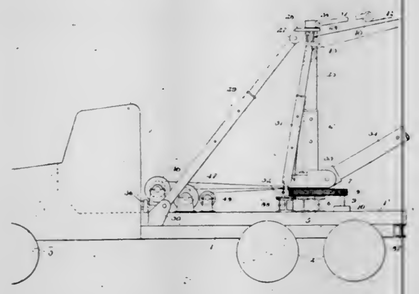
2,383,425
POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 21, 1942, Serial No. 443,983
16 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing in aqueous emulsion a butadiene-1,3 hydrocarbon in the presence of from 0.01 to 1% by weight based on the material polymerized of a water-soluble complex compound containing a central heavy metal atom connected by a coordinating valence to a nitrogen-containing coordinating group which is a neutral body possessing no electrovalent charge.

2,383,426
AUTOMOBILE CRANE
Joseph Tanenbaum, Toronto, Ontario, Canada
Application September 1, 1943, Serial No. 501,043
6 Claims. (Cl. 212—55)

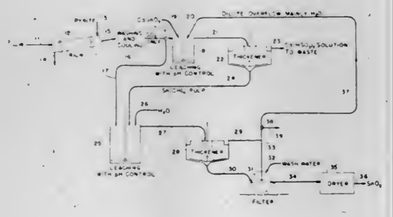
1. In an automobile crane, the combination with a truck having an engine and propeller

shaft connected with the traction wheels, of a crane mast formed of telescopic tubular sections rotatably mounted at its base end on the truck chassis, a boom formed of telescopic tubular sections pivotally mounted on said mast, tubular telescopic legs mounted on said truck chassis and supporting said mast, means for securing said



telescopic sections in various extended positions, means connected with said truck engine for reversibly rotating said mast, hoisting gear mounted on said truck chassis forward of said mast and operatively connected with the propeller shaft and with said mast and boom, and control means for said hoisting gear arranged at the forward end of the truck.

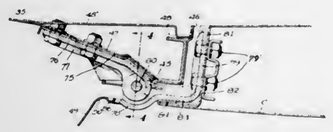
2,383,427
CALCIUM STANNATE REFINING
Robert B. Thompson, Wilton, and Elliott J. Roberts, Westport, Conn., assignors to The Dorr Company, New York, N. Y., a corporation of Delaware
Application July 28, 1943, Serial No. 496,390
12 Claims. (Cl. 23—144)



2. The process of treating calcium stannate which comprises leaching a slurry of such stannate with solution of sulfur dioxide while controlling the pH of the solution for selectively dissolving out calcium while minimizing dissolution of tin for yielding a solute of $Ca(HSO_3)_2$ and a pulp of $Sn(OH)_2$, then removing and washing solute from the pulp.

12. The process of treating calcium stannate that is contaminated with pentavalent antimony, which comprises removing calcium by a sulfurous acid leach, dewatering, and thereafter removing antimony by a reducing roast wherein the pentavalent antimony is converted to gaseous antimony trioxide.

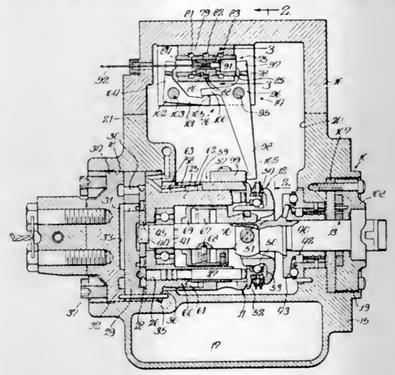
2,383,428
DOOR SUSPENSION FOR VEHICLES, ESPECIALLY AUTOMOBILES
Theodore Ulrich, Bridgeport, Conn., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 17, 1941, Serial No. 402,878. Divided and this application April 3, 1942, Serial No. 437,500
2 Claims. (Cl. 296—28)



1. In a vehicle body, a wall defining an opening, a closure member within said opening, a hinge post on said body wall along one margin of said opening, a hinge rail on said closure member adjacent said hinge post, a hinge comprising two journalled members, the first one of said hinge members being fastened to said post from the outside in a region spaced from the margin and away from the center of the opening, the second one of said hinge members being attached to said hinge rail of the closure member and having a portion overlapping the outer surface of said hinge post, a panel removably attached to said post and overlying the outer side of the latter, said panel constituting in its region the outer surface of the body and being provided with a cut-out portion in front of said hinge, said cut-out portion being closed by a portion of said second hinge member when said closure member is in the closed position and permitting swinging movement of said second hinge member, the connection between said first hinge member and said post becoming accessible upon the removal of said panel, said hinge post comprising a rail member extending transversely to said wall and along said opening and an inner panel member extending at an angle to the plane of the removable panel and structurally connected to the outer marginal portion of said rail member, said panel member constituting part of the inner body wall, said first hinge member being fastened to the outside of said panel member which latter is covered by said removable panel.

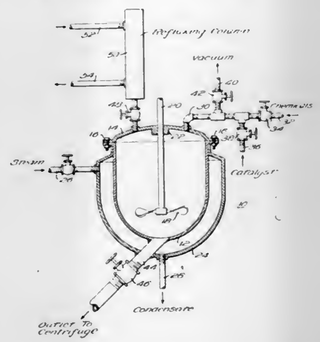
2,383,429
HYDRAULICALLY OPERATED CONTROL MECHANISM
Gunnar A. Wahlmark, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application November 16, 1942, Serial No. 465,736
15 Claims. (Cl. 121—41)

7. A control mechanism comprising, in combination, a shiftable element having a neutral position, means biasing said element to neutral position, means operable to shift said element varying amounts to either side of neutral against said biasing means, and means controlling said last mentioned means to determine the direction and extent of shift of said element comprising a member shiftable in a direction and to an extent indicative of the desired shift of said element, follow-up means associated with said member, and means for actuating the follow-up means associated with said element and driven in one direction during movement of said element in either direction away from neutral and in the



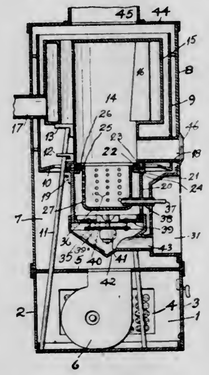
opposite direction during movement of said element toward neutral from either direction.

2,383,430
RESINS
William C. Weltman, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1942, Serial No. 451,035
5 Claims. (Cl. 260—30)



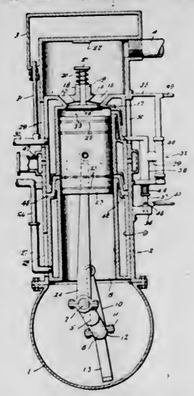
1. A phenolic base impregnating varnish having a greenness of from less than 1% to 5% at 150° C. and 1000 pounds per square inch when combined with a sheet cellulose filler, the varnish capable of bonding to urea resins and polymerizing at temperatures of about 140° C. and lower into an odorless and infusible condensate, comprising the reaction product of 1 mol of a phenol and from 0.8 to 1.2 mols of 40% formaldehyde solution reacted at about the boiling point of the mixture, the reaction being catalyzed initially with from about ⅛% to 1% of the weight of the phenol of a hydroxide of a metal selected from the group consisting of alkali metals and and alkaline earth metals, the unreacted formaldehyde being removed by evacuation and the initial catalyst being neutralized, the initial reaction being conducted for a period of time inversely proportional to the amount of catalyst and corresponding to about one-half hour for ⅓%, and the reaction to form a resin being completed with ammonium hydroxide catalyst, and a solvent for the resin, the resin and solvent combined to produce a liquid varnish.

2,383,431
HEATING FURNACE
Henry Weyenberg, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Application December 28, 1940, Serial No. 372,115
1 Claim. (Cl. 126—110)



In a heating furnace, the combination with a housing having a plurality of sections in vertical assembled relation with one of the sections having a screen at one of its sides, and a diaphragm extending over its top and a blower having its discharge portion extending to an opening in the diaphragm: A fire pot having a plurality of holes extending through its side wall for permitting air to flow into the fire pot, and a housing surrounding the fire pot, an inverted cone-shaped housing portion secured to the housing surrounding the fire pot with a hollow tube extending to the said housing from exterior of the furnace for permitting air to enter the inverted cone housing and a fan for drawing air from the inverted cone housing and forcing the air through the holes extending through the wall of the fire pot and upward into a combustion chamber and heat radiator having open connection with the combustion chamber, substantially as described.

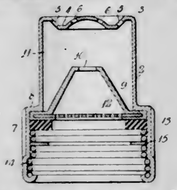
2,383,432
INTERNAL-COMBUSTION ENGINE
Joseph F. Woods, Middletown, Conn.
Application January 18, 1944, Serial No. 518,749
3 Claims. (Cl. 123—50)



2. An internal combustion engine of the character described comprising a crankcase, a crank-

shaft operable in said crankcase, a cylinder mounted on the crankcase, an outer piston operable in the cylinder, an inner piston operable in the outer piston, rods connecting the pistons to the crankshaft, exhaust means connected to the cylinder and communicating with the interior of the outer piston, and means operable by the outer piston for injecting fuel under pressure into said outer piston, said means comprising a pump including a stationary tube mounted on the cylinder in parallelism therewith, a line connecting the tube to a source of fuel, a stationary piston mounted on the cylinder, a cylinder mounted on the outer piston for operation therewith and slidable on the stationary piston, an intake projecting from the second-named cylinder, the tube having a passage therein communicating with the intake, and a sleeve on said intake slidable on the tube.

2,383,433
NOZZLE
Thompson W. Burnam, Whittier, Calif.
Application June 1, 1942, Serial No. 445,285
8 Claims. (Cl. 299—143)

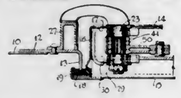


1. A fog nozzle, comprising a body having a plurality of relatively large orifices having intersecting axes and a plurality of relatively smaller orifices having axes which intersect the axes of the relatively larger orifices at points closer to the nozzle body than the point of intersection on the axes of the relatively larger orifices with each other.

2,383,434
OXIDATION REMOVING PROCESS
Harry Le Roy Hovis, Manor Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
No Drawing. Application November 3, 1943, Serial No. 508,863
1 Claim. (Cl. 134—41)

A process for removing oxidation from beryllium copper alloy consisting in subjecting the alloy to a bath of 85% pure phosphoric acid at a temperature approximating 120° F. to produce a surface capable of being plated.

2,383,435
CLAMPING DEVICE
Ellis L. Jacob, Moylan-Rose Valley, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 28, 1943, Serial No. 492,535
7 Claims. (Cl. 292—48)

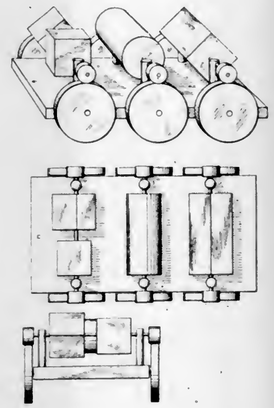


1. A clamping device comprising a clamping member, a pivot pin connected to one end of said clamping member, means for supporting said pivot pin, a plurality of pivot arms positioned separably in spaced planes in angular relation to said pin, and means for fixedly securing said pivot arms to said pivot pin.

DESIGNS

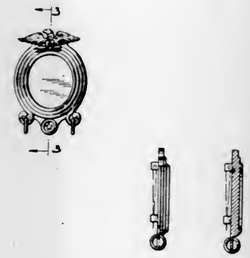
AUGUST 21, 1945

142,208
DESIGN FOR A WHEELED TOY
Elmer E. Atkinson, Mesquite, Tex.
Application April 16, 1945, Serial No. 119,023
Term of patent 3½ years
(Cl. D34—15)



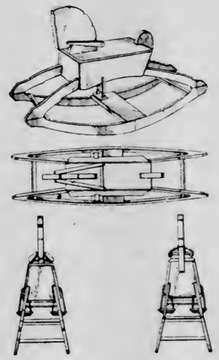
The ornamental design for a wheeled toy, as shown.

142,209
DESIGN FOR AN INSIGNIA PIN OR SIMILAR ARTICLE
Clarence M. Bradbury, Brooklyn, N. Y.
Application February 8, 1945, Serial No. 117,823
Term of patent 7 years
(Cl. D45—19)



The ornamental design for an insignia pin or similar article, as shown.

142,210
DESIGN FOR A ROCKING HORSE
Cecil C. Cash, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application September 28, 1944, Serial No. 115,503
Term of patent 7 years
(Cl. D34—15)



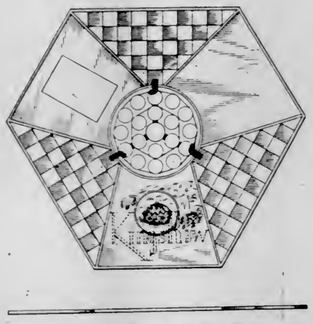
The ornamental design for a rocking horse, as shown.

142,211
DESIGN FOR A TABLE
Bernard R. Glukes, Los Angeles, Calif.
Application March 31, 1945, Serial No. 118,806
Term of patent 3½ years
(Cl. D33—14)



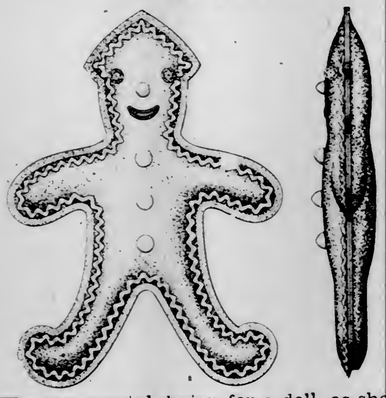
The ornamental design for a table, as shown.

142,212
DESIGN FOR A GAME BOARD
Dewey Dahlberg Gruver, Little Rock, Ark.
Application May 24, 1945, Serial No. 119,705
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

142,213
DESIGN FOR A DOLL
Frances R. Jenkins, Baxter Springs, Kans.
Application May 11, 1945, Serial No. 119,496
Term of patent 14 years
(Cl. D34—4)



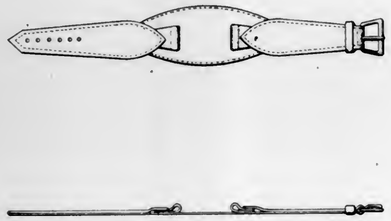
The ornamental design for a doll, as shown.

142,214
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application May 2, 1945, Serial No. 119,355
Term of patent 7 years
(Cl. D45—19)



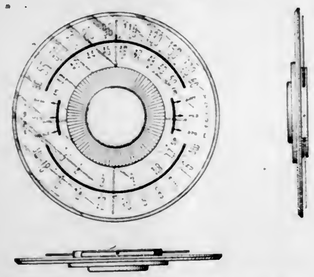
The ornamental design for a brooch or similar article, substantially as shown.

142,215
DESIGN FOR A WATCH STRAP OR SIMILAR ARTICLE
Samuel Kaufman, Boston, Mass.
Application August 2, 1944, Serial No. 114,691
Term of patent 7 years
(Cl. D45—4)



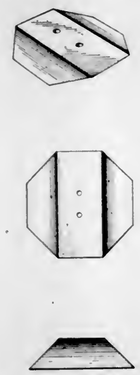
The ornamental design for a watch strap or similar article, substantially as shown.

142,216
DESIGN FOR A RADIO DIAL
Lambert A. Kuffel, Chicago, Ill.
Application January 12, 1945, Serial No. 117,397
Term of patent 7 years
(Cl. D26—1)



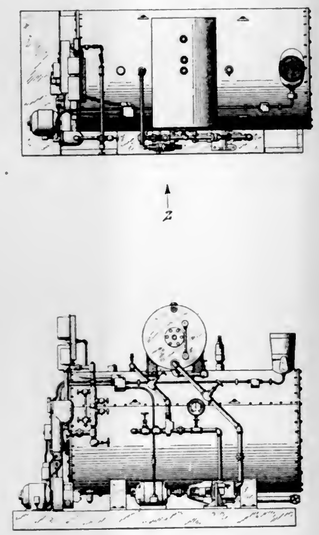
The ornamental design for a radio dial, as shown.

142,217
DESIGN FOR A BUTTON
Maurice Frederick Lannon and Mildred Elizabeth Lannon, North Hollywood, Calif.
Application January 16, 1945, Serial No. 117,459
Term of patent 14 years
(Cl. D17—2)



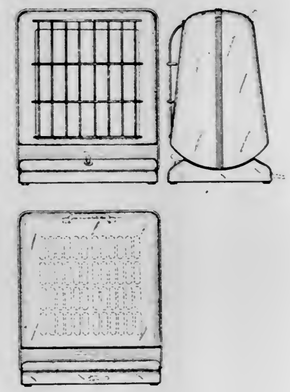
The ornamental design for a button, as shown.

142,218
DESIGN FOR A FLUID FUEL BURNING STEAM AND HOT WATER GENERATING UNIT
William Lelgemann, Grill, Pa.
Application January 31, 1945, Serial No. 117,695
Term of patent 14 years
(Cl. D81—2)



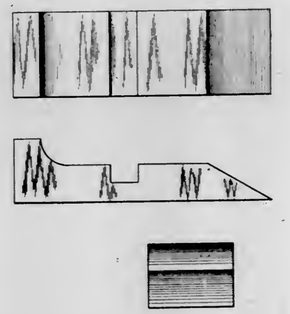
The ornamental design for a fluid fuel burning steam and hot water generating unit, as shown.

142,219
DESIGN FOR A HEATER OR THE LIKE
Caryl A. Lindberg, Glendale, and Howard W. Eckles, St. Louis, Mo., assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application December 20, 1944, Serial No. 117,006
Term of patent 14 years
(Cl. D81—10)



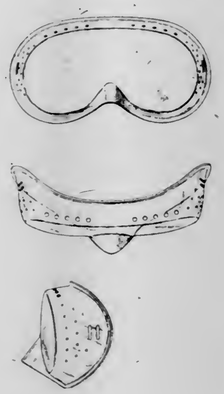
The ornamental design for a heater or the like, substantially as shown and described.

142,220
DESIGN FOR A BLOCK FOR USE IN APPLYING TIRE CHAINS
Paul C. Lyons, Union City, Pa.
Application April 16, 1945, Serial No. 119,021
Term of patent 14 years
(Cl. D41—1)



The ornamental design for a block for use in applying tire chains, as shown.

142,221
DESIGN FOR AN EYE SHIELD FRONT
William C. Moeller, Kansas City, Mo., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo.
Application January 22, 1945, Serial No. 117,551
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eye shield front, as shown and described.

142,222
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,951
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,223
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,956
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

142,224
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,957
Term of patent 3½ years
(Cl. D45—19)



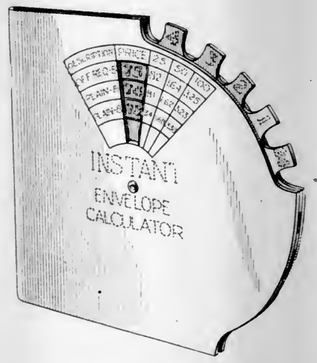
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,225
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Scituate, R. I.
Application February 15, 1945, Serial No. 117,959
Term of patent 3½ years
(Cl. D45—19)



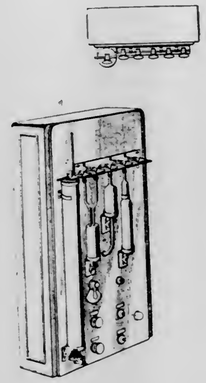
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,226
DESIGN FOR A CALCULATOR
Arnold H. Mueller, Monroe, Wis.
Application March 15, 1945, Serial No. 118,499
Term of patent 3½ years
(Cl. D52—1)



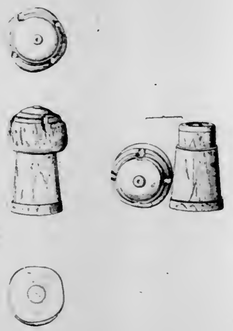
The ornamental design for a calculator, as shown and described.

142,227
DESIGN FOR A GAS ANALYZING APPARATUS
Alexander I. Newman, River Forest, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois
Application June 22, 1944, Serial No. 114,127
Term of patent 14 years
(Cl. D16—2)



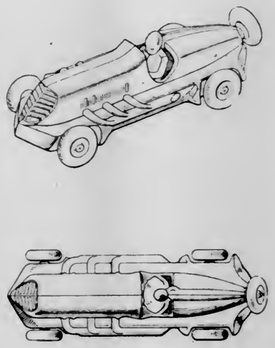
The ornamental design for a gas analyzing apparatus, substantially as shown.

142,228
DESIGN FOR A LIPSTICK CONTAINER OR THE LIKE
Lucien Renaud, St. Albans, N. Y., assignor to Roger & Gallet, New York, N. Y., a corporation of New York
Application May 21, 1945, Serial No. 119,639
Term of patent 14 years
(Cl. D86—10)



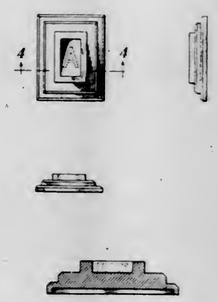
The ornamental design for a lipstick container or the like, substantially as shown.

142,229
DESIGN FOR A TOY AUTOMOBILE
Elmer R. Roach, Mount Vernon, Ohio
Application April 2, 1945, Serial No. 118,811
Term of patent 14 years
(Cl. D34—15)



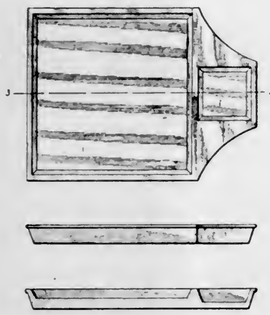
The ornamental design for a toy automobile, as shown.

142,230
DESIGN FOR A WATCHCASE COVER
Leslie Saks, New York, N. Y.
Application May 1, 1945, Serial No. 119,327
Term of patent 3½ years
(Cl. D42—8)



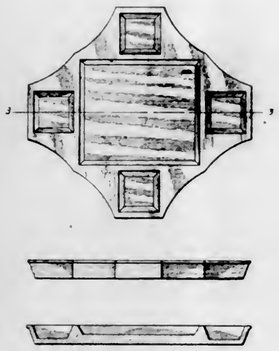
The ornamental design for a watchcase cover, as shown and described.

142,231
DESIGN FOR A COMBINED BREAD AND BUTTER TRAY
Clarence Ray Snoke, Berkley, Mich.
Application April 13, 1945, Serial No. 118,972
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a combined bread and butter tray, as shown.

142,232
DESIGN FOR A COMBINED BREAD AND BUTTER TRAY
Clarence Ray Snoke, Berkley, Mich.
Application April 13, 1945, Serial No. 118,973
Term of patent 7 years
(Cl. D44—10)



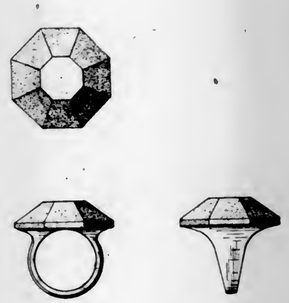
The ornamental design for a combined bread and butter tray, as shown.

142,233
DESIGN FOR A DISPLAY FIGURE
William L. Stensgaard, Chicago, Ill., assignor to The Diamond Match Company, a corporation of Delaware
Application April 13, 1945, Serial No. 118,979
Term of patent 14 years
(Cl. D80—8)



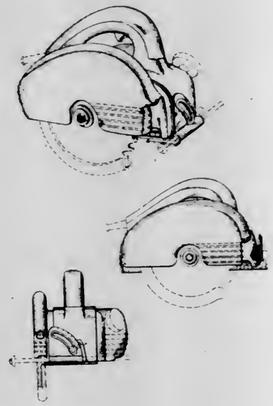
The ornamental design for a display figure, as shown.

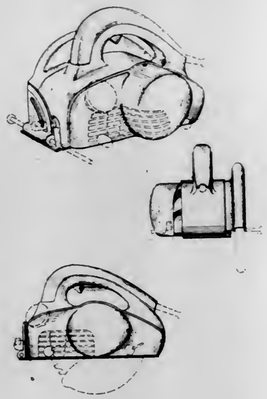
142,234
DESIGN FOR A RING
Harold J. Sudbrink, Woodside, N. Y.
Application April 3, 1945, Serial No. 118,838
Term of patent 3½ years
(Cl. D45—10)



The ornamental design for a ring, as shown.

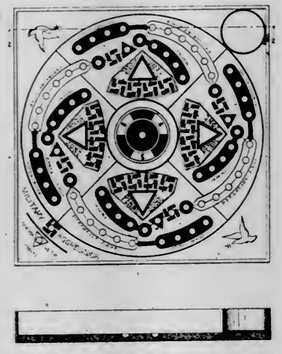
142,235
DESIGN FOR A ROTARY POWER HANDSAW
Louis Vavrik, Rossford, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application March 26, 1945, Serial No. 118,701
Term of patent 14 years
(Cl. D93—3)





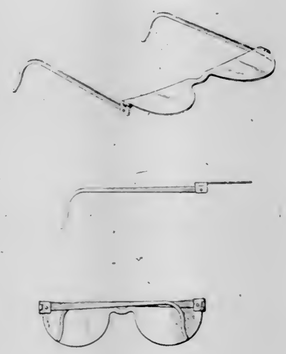
The ornamental design for a rotary power handsaw, substantially as shown and described.

142,236
DESIGN FOR A GAME BOARD
William Grant Williams, Anaheim, Calif.
Application January 30, 1945, Serial No. 117,677
Term of patent 7 years
(Cl. D34—5)



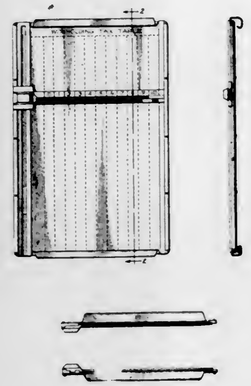
The ornamental design for a game board, as shown.

142,237
DESIGN FOR A SUN VISOR
Beatrice Goldberg, Brooklyn, N. Y.
Application June 14, 1945, Serial No. 120,095
Term of patent 14 years
(Cl. D57—1)



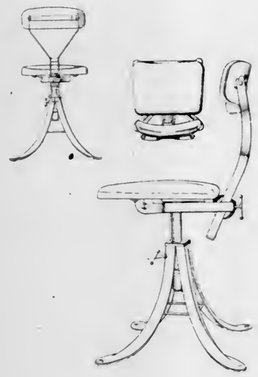
The ornamental design for a sun visor, substantially as shown and described.

142,238
DESIGN FOR A TAX FORM DEVICE
Joseph W. Honeycutt, Kannapolis, N. C.
Application April 19, 1945, Serial No. 119,085
Term of patent 7 years
(Cl. D64—11)



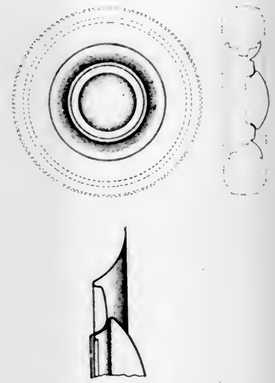
The ornamental design for a tax form device, substantially as shown.

142,239
DESIGN FOR A CHAIR
Arthur E. Jones, Elkhart, Ind., assignor to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application November 13, 1944, Serial No. 116,307
Term of patent 14 years
(Cl. D15—8)



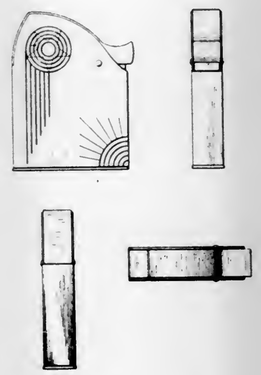
The ornamental design for a chair, substantially as shown.

142,240
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 117,325
Term of patent 14 years
(Cl. D14—30)



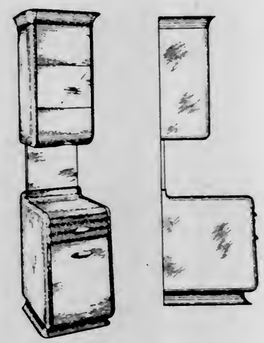
The ornamental design for a wheel trim or similar article, as shown and described.

142,241
DESIGN FOR A POCKET LIGHTER
James O. McMillan and Ralph E. Parker, Wichita, Kans.
Application March 23, 1945, Serial No. 118,656
Term of patent 3½ years
(Cl. D48—27)



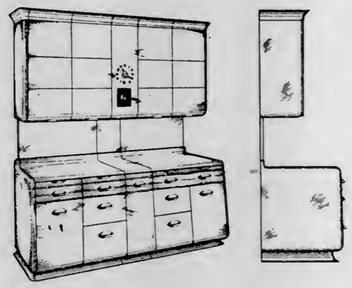
The ornamental design for a pocket lighter, substantially as shown and described.

142,242
DESIGN FOR A KITCHEN CABINET
Hercheal Wood Miller, Davenport, Iowa
Application January 26, 1945, Serial No. 117,619
Term of patent 14 years
(Cl. D33—13)



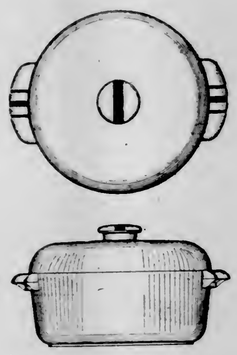
The ornamental design for a kitchen cabinet, substantially as shown and described.

142,243
DESIGN FOR A KITCHEN CABINET
Hercheal Wood Miller, Davenport, Iowa
Application January 26, 1945, Serial No. 117,620
Term of patent 14 years
(Cl. D33—13)



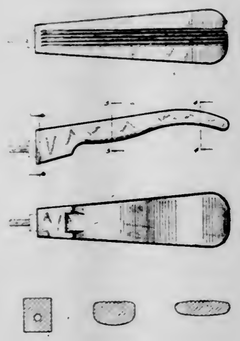
The ornamental design for a kitchen cabinet, substantially as shown and described.

142,244
DESIGN FOR A COOKING VESSEL OR ARTICLE OF SIMILAR NATURE
Alfred F. Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application May 21, 1945, Serial No. 119,652
Term of patent 14 years
(Cl. D44—1)



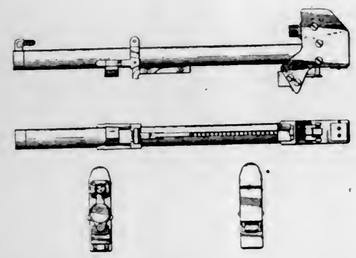
The ornamental design for a cooking vessel or article of similar nature, as shown.

142,245
DESIGN FOR A HANDLE FOR COOKING VESSELS AND THE LIKE
Alfred F. Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application May 21, 1945, Serial No. 119,653
Term of patent 14 years
(Cl. D44—29)



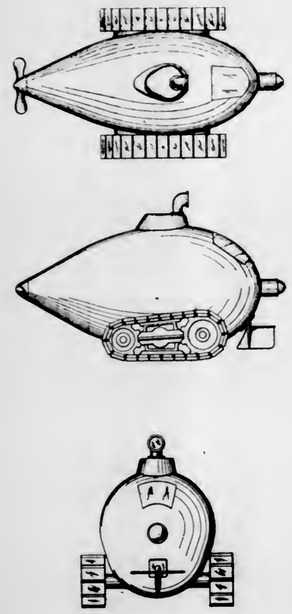
The ornamental design for a handle for cooking vessels and the like, as shown.

142,246
DESIGN FOR A GUN CHARGER
Carl J. Schuler, Los Angeles, Calif., assignor to Interstate Aircraft and Engineering Corp., a corporation of California
Application September 4, 1944, Serial No. 115,186
Term of patent 14 years
(Cl. D30—1)



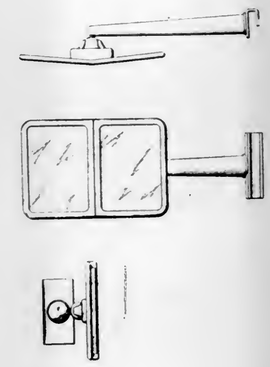
The ornamental design for a gun charger, as shown.

142,247
DESIGN FOR A SUBMARINE TANK.
Chinneth Hill, Victoria, Va.
Application September 9, 1944, Serial No. 115,244
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a submarine tank, as shown.

142,248
DESIGN FOR A SAFETY VIEW MIRROR
Fred F. Latshaw, Altadena, Calif.
Application November 6, 1944, Serial No. 116,165
Term of patent 3½ years
(Cl. D14—6)



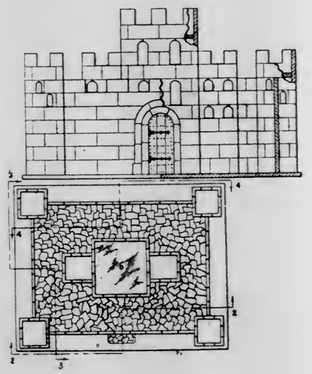
The ornamental design for safety view mirror, as shown.

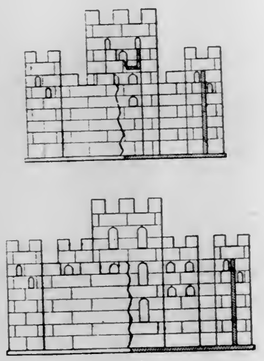
142,249
DESIGN FOR A CLOTHESPIN
Wesley Keith Vining, Daytona Beach, Fla.
Application May 21, 1945, Serial No. 119,640
Term of patent 14 years
(Cl. D17—6)



The ornamental design for a clothespin as shown and described.

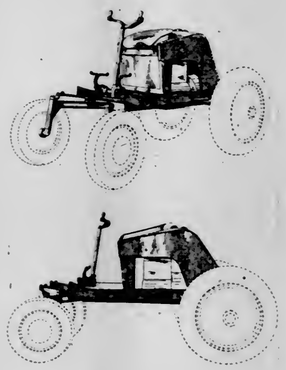
142,250
DESIGN FOR A TOY FORTRESS
Ralph M. Anthony, Detroit, Mich.
Application April 23, 1945, Serial No. 119,150
Term of patent 7 years
(Cl. D34—15)





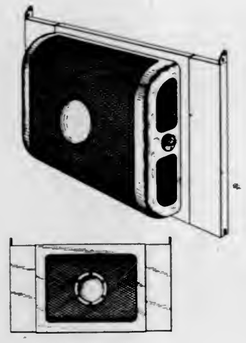
The ornamental design for a toy fortress, as shown.

142,251
DESIGN FOR A TRACTOR
Theophilus Brown, Moline, Ill., and Henry Dreyfuss, New York, N. Y., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 118,721
Term of patent 14 years
(Cl. D14—3)



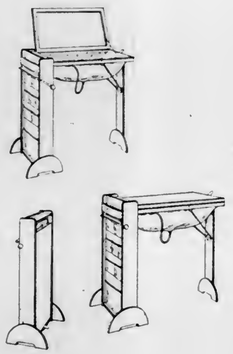
The ornamental design for a tractor, as shown and described.

142,252
DESIGN FOR A FAN CASING
William J. Campbell, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana
Application January 18, 1945, Serial No. 117,495
Term of patent 14 years
(Cl. D26—7)



The ornamental design for a fan casing, as shown and described.

142,253
DESIGN FOR A BABY BATH
Peyton W. Douglas, Brighton, N. Y.
Application October 23, 1944, Serial No. 115,925
Term of patent 14 years
(Cl. D4—4)



The ornamental design for a baby bath, substantially as shown and described.

142,254
DESIGN FOR A TRACTOR HOUSING
Henry Dreyfuss, New York, N. Y., and Theophilus Brown, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 118,720
Term of patent 14 years
(Cl. D14—3)



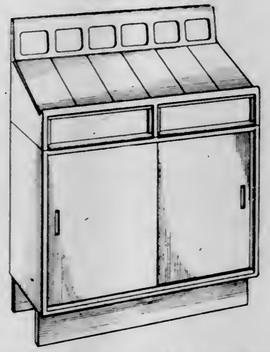
The ornamental design for a tractor housing, as shown.

142,255
DESIGN FOR A STRAINING FUNNEL COMBINATION UNIT
Ray T. Frost, West Hollywood, Calif., assignor to Plas-Tex Corporation, West Hollywood, Calif., a corporation of California
Application October 5, 1944, Serial No. 115,625
Term of patent 7 years
(Cl. D44—29)



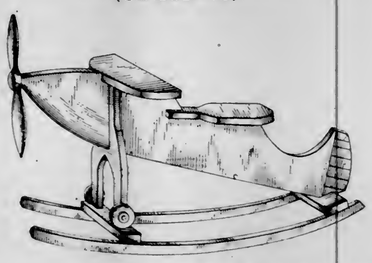
The ornamental design for a straining funnel combination unit, substantially as shown.

142,256
DESIGN FOR A MERCHANDISE DISPLAY CASE
Henry Peter Glass, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application November 8, 1944, Serial No. 116,229
Term of patent 14 years
(Cl. D80—11)



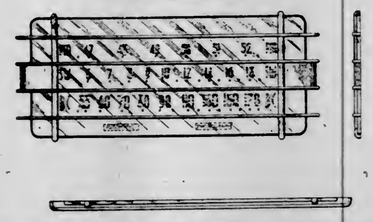
The ornamental design for a merchandise display case, as shown.

142,257
DESIGN FOR A ROCKING TOY OR SIMILAR ARTICLE
Alex Horowitz, Binghamton, N. Y.
Application March 24, 1945, Serial No. 118,675
Term of patent 14 years
(Cl. D34—15)



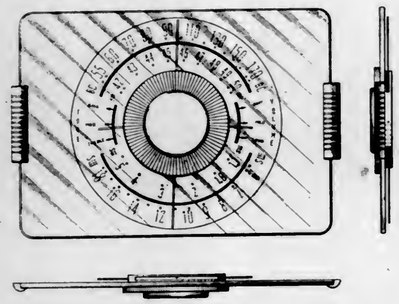
The ornamental design for a rocking toy or similar article, as shown.

142,258
DESIGN FOR A RADIO DIAL
Lambert A. Kuffel, Chicago, Ill.
Application January 12, 1945, Serial No. 117,396
Term of patent 7 years
(Cl. D26—1)



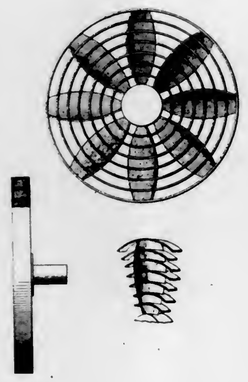
The ornamental design for a radio dial, as shown.

142,259
DESIGN FOR A RADIO DIAL
Lambert A. Kuffel, Chicago, Ill.
Application January 12, 1945, Serial No. 117,398
Term of patent 7 years
(Cl. D26—1)



The ornamental design for a radio dial, as shown.

142,260
DESIGN FOR A FAN PROPELLER
Bert Lee, Sacramento, Calif.
Application May 14, 1945, Serial No. 119,739
Term of patent 14 years
(Cl. D26—7)



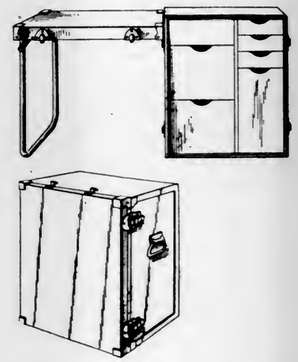
The ornamental design for a fan propeller, as shown.

142,261
DESIGN FOR AN IRONING TABLE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to Lewyt Corporation, a corporation of New York
Application December 30, 1944, Serial No. 117,193
Term of patent 7 years
(Cl. D49—1)



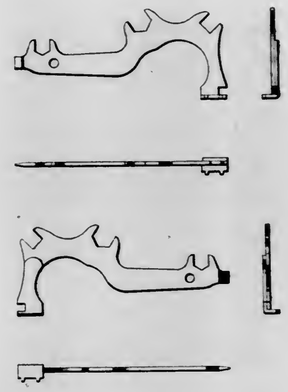
The ornamental design for an ironing table, as shown and described.

142,262
DESIGN FOR A COMBINED FIELD DESK AND TRUNK
Frederick T. Paden, Collingswood, N. J.
Application February 7, 1945, Serial No. 117,797
Term of patent 3½ years
(Cl. D33—7)



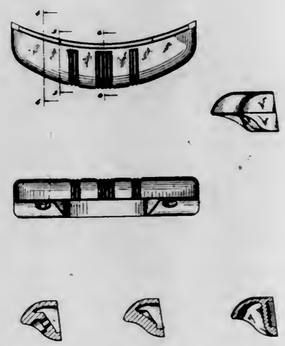
The ornamental design for a combined field desk and trunk, as shown.

142,263
DESIGN FOR A COMBINATION TOOL
Léo Pierre, Hampton, Va.
Application April 21, 1945, Serial No. 119,121
Term of patent 7 years
(Cl. D54—13)



The ornamental design for a combination tool, as shown.

142,264
DESIGN FOR A SIDE HANDLE OR LIFT FOR COOKING VESSELS AND THE LIKE
Alfred F. Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application May 21, 1945, Serial No. 119,650
Term of patent 14 years
(Cl. D44—29)



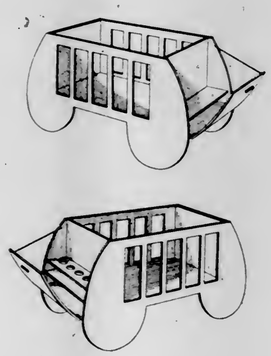
The ornamental design for a side handle or lift for cooking vessels and the like, as shown.

142,265
DESIGN FOR A DEPORTMENT CALENDAR
Dorothy P. Stanton, Norfolk, Va.
Application March 19, 1945, Serial No. 118,564
Term of patent 7 years
(Cl. D74—5)



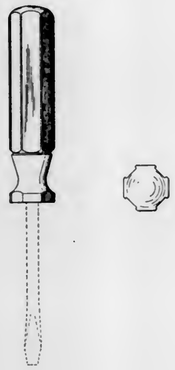
The ornamental design for a deportment calendar, as shown.

142,266
DESIGN FOR A COMBINATION CRIB AND CABINET
Anna E. Vandeventer, Riverside, Calif.
Application May 11, 1945, Serial No. 119,502
Term of patent 14 years
(Cl. D5—5)



The ornamental design for a combination crib and cabinet, substantially as shown.

142,267
DESIGN FOR A SCREWDRIVER OR SIMILAR ARTICLE
George M. Walraven, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Wisconsin
Application October 30, 1944, Serial No. 116,062
Term of patent 14 years
(Cl. D93—4)



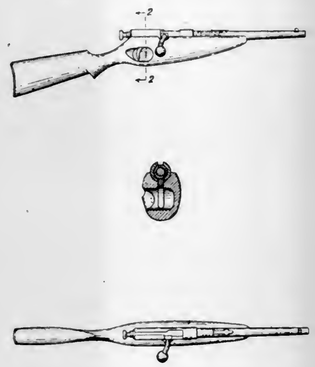
The ornamental design for a screwdriver or similar article, substantially as shown and described.

142,268
DESIGN FOR A COUNTER DISPLAY FOR PACKAGED COMMODITIES
Robert B. Wemyss, Louisville, Ky.
Application October 27, 1944, Serial No. 116,007
Term of patent 7 years
(Cl. D80—9)



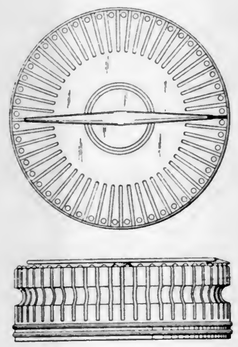
The ornamental design for a counter display for packaged commodities, substantially as shown.

142,269
DESIGN FOR A GUN OR SIMILAR ARTICLE
Charles S. Wheatley, Boston, Mass.
Application December 27, 1944, Serial No. 117,112
Term of patent 14 years
(Cl. D30—1)



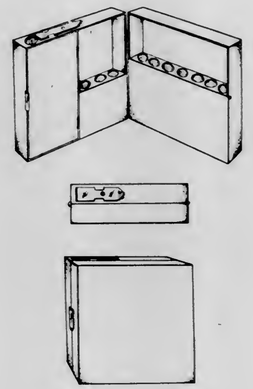
The ornamental design for a gun or similar article, substantially as shown.

142,270
DESIGN FOR A PLAYING CARD DISTRIBUTOR
Vertner D. Brittingham, West Dearborn, Mich.
Application June 8, 1945, Serial No. 119,975
Term of patent 14 years
(Cl. D34—5)



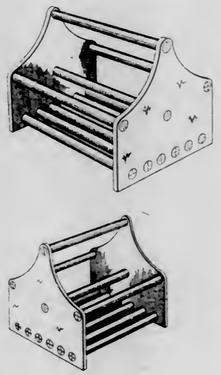
The ornamental design for a playing card distributor, as shown.

142,271
DESIGN FOR A COMBINED CIGARETTE AND ASH TRAY CASE OR THE LIKE
Adrien Brunschwig, New York, N. Y.
Application October 2, 1944, Serial No. 115,555
Term of patent 14 years
(Cl. D85—2)



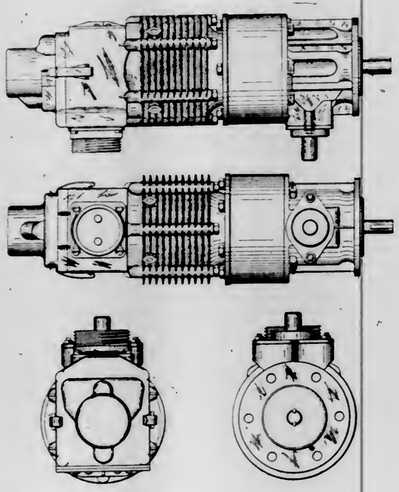
The ornamental design for a combined cigarette and ash tray case or the like, substantially as shown.

142,272
DESIGN FOR A BOTTLE CARRIER
Herbert U. Dernehl, Milwaukee, Wis.
Application December 30, 1944, Serial No. 117,175
Term of patent 7 years
(Cl. D58—4)



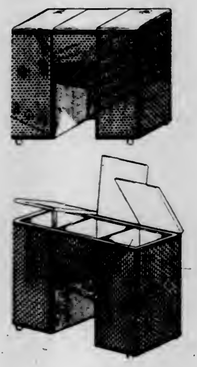
The ornamental design for a bottle carrier, as shown.

142,273
DESIGN FOR A MOTOR FOR OPERATING MOVABLE PARTS OF AN AIRPLANE
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application April 16, 1945, Serial No. 119,036
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a motor for operating movable parts of an airplane, substantially as shown.

142,274
DESIGN FOR A CLOTHES HAMPER
Jack J. Kohen, South Bend, Ind.
Application October 19, 1944, Serial No. 115,865
Term of patent 14 years
(Cl. D58—4)



The ornamental design for a clothes hamper, as shown.

142,275
DESIGN FOR A CLOTHES HAMPER
Jack J. Kohen, South Bend, Ind.
Application October 30, 1944, Serial No. 116,057
Term of patent 14 years
(Cl. D58—4)



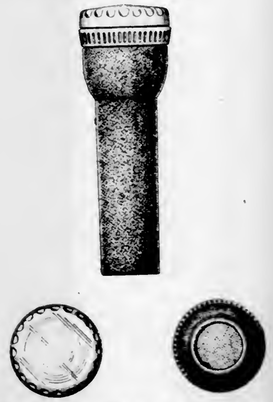
The ornamental design for a clothes hamper, as shown.

142,276
DESIGN FOR A COMBINED BOTTLE AND CONTAINER
Marcel Leduc, Rochester, N. Y.
Application December 5, 1944, Serial No. 116,713
Term of patent 3½ years
(Cl. D58—9)



The ornamental design for a combined bottle and container, as shown and described.

142,277
DESIGN FOR A FLASHLIGHT
Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc., a corporation of New York
Application May 14, 1945, Serial No. 119,528
Term of patent 14 years
(Cl. D48—24)



The ornamental design for a flashlight, as shown.

142,278
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Frank Powell, Miami, Fla.
Application May 22, 1945, Serial No. 119,664
Term of patent 7 years
(Cl. D45—19)



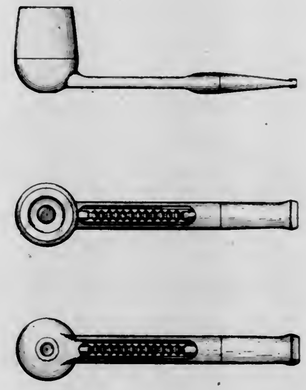
The ornamental design for a brooch or similar article, substantially as shown.

142,279
DESIGN FOR A HOUSING OF A TWO-CYCLE GAS ENGINE
Melvin F. Schmidt, Saginaw, Mich.
Application March 22, 1945, Serial No. 118,641
Term of patent 7 years
(Cl. D71—1)



The ornamental design for a housing of a two-cycle gas engine, as shown.

142,280
DESIGN FOR A SMOKER'S PIPE
Kenly C. Bugg, Fort Wayne, Ind.
Application April 21, 1945, Serial No. 119,128
Term of patent 14 years
(Cl. D85—8)



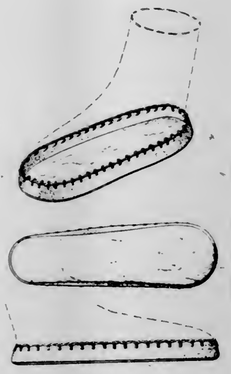
The ornamental design for a smoker's pipe, substantially as shown.

142,281
DESIGN FOR A SLIPPER
John D. Ferriso, Brooklyn, N. Y.
Application May 29, 1945, Serial No. 119,798
Term of patent 7 years
(Cl. D7—7)



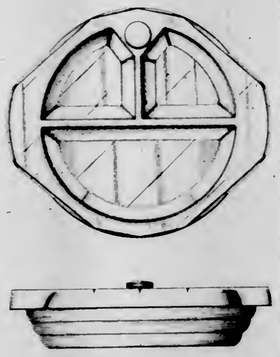
The ornamental design for a slipper, substantially as shown.

142,282
DESIGN FOR A HOUSE SLIPPER
Martha P. Hiestand, Princeton, Wis.
Application June 15, 1945, Serial No. 120,129
Term of patent 14 years
(Cl. D7—7)



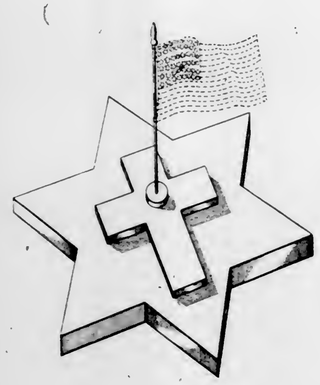
The ornamental design for a house slipper, as shown and described.

142,283
DESIGN FOR A BABY FOOD WARMER
Max Hirsch, New York, N. Y.
Application November 4, 1944, Serial No. 116,143
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a baby food warmer, as shown.

142,284
DESIGN FOR A DESK ORNAMENT
Martin Cody Keating, Burbank, Calif.
Application February 20, 1945, Serial No. 118,052
Term of patent 7 years
(Cl. D74—1)



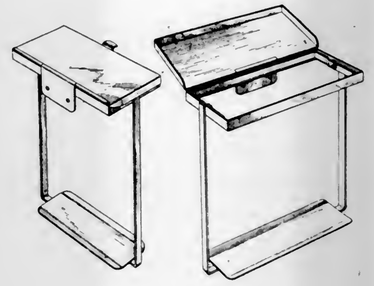
The ornamental design for a desk ornament, as shown.

142,285
DESIGN FOR A LUMINOUS PENDANT OR SIMILAR ARTICLE
Joseph A. Kelly, New York, N. Y.
Application May 5, 1945, Serial No. 119,406
Term of patent 14 years
(Cl. D48—1)



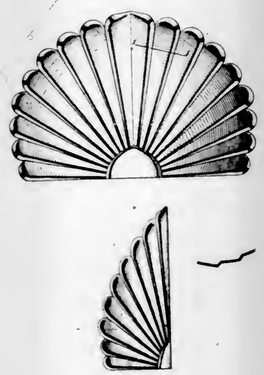
The ornamental design for a luminous pendant or similar article, substantially as shown.

142,286
DESIGN FOR A REFUSE BAG HOLDER
John L. Mayer, Kansas City, Mo.
Application April 16, 1945, Serial No. 119,013
Term of patent 3½ years
(Cl. D44—1)



The ornamental design for a refuse bag holder, as shown.

142,287
DESIGN FOR A LIGHT SHADE OR SIMILAR ARTICLE
Willis Harold Miller, Dallas, Tex.
Application November 20, 1944, Serial No. 116,458
Term of patent 14 years
(Cl. D48—16)



The ornamental design for a light shade or similar article, as shown.

142,288
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Johnston, R. I.
Application June 14, 1945, Serial No. 120,065
Term of patent 3½ years
(Cl. D45—19)



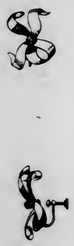
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,289
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Johnston, R. I.
Application June 14, 1945, Serial No. 120,071
Term of patent 3½ years
(Cl. D45—19)



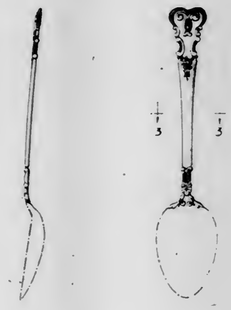
The ornamental design for a jewelry pin or similar article, substantially as shown.

142,290
DESIGN FOR AN EARRING
Frank Morrow, Johnston, R. I.
Application June 14, 1945, Serial No. 120,070
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

142,291
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF FLATWARE
Shirley Summon, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application June 9, 1945, Serial No. 119,991
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of flatware, as shown

142,292
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Frank Morrow, Johnston, R. I.
Application June 14, 1945, Serial No. 120,067
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a jewelry pin or similar article, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Airkem, Inc., New York, N. Y. Evaporators used as air conditioning equipment or parts thereof. Serial No. 484,727; Aug 21. Class 34.

Alexander, Jane, Valley Stream, N. Y. Ladies' and misses' coats, suits, dresses, etc. Serial No. 481,768; Aug. 21. Class 39.

Alexander, Jane, Valley Stream, N. Y. Bracelets, brooch pins, lapel pins, etc. Serial No. 481,974; Aug. 21. Class 28.

Alexander, Jane, Valley Stream, N. Y. Paper products. Serial No. 481,975; Aug. 21. Class 37.

Alexander, Jane, Valley Stream, N. Y. Buttons, clips and clasps for the hair and for garments, and garment buckles, etc. Serial No. 482,192; Aug. 21. Class 40.

Amanda-L Co., Chicago, Ill. Ointment designed to aid the growth of hair. Serial No. 481,935; Aug. 21. Class 6.

Anglo Fabrics Company, New York, N. Y. Woolen piece goods. Serial No. 474,391; Aug. 21. Class 42.

Arden Farms Co., Los Angeles, Calif. Dairy products—namely, ice-cream. Serial No. 477,252; Aug. 21. Class 46.

Aris Gloves, Inc., New York, N. Y. Men's, women's, misses', and children's gloves and mittens. Serial No. 481,451; Aug. 21. Class 39.

Aufhauser, Alfred, doing business as Industrial Raw Materials Company, New York, N. Y. Wax composition. Serial No. 483,755; Aug. 21. Class 15.

B. D. B. Typewriter Supply Works: *See*—
Brilles, Bell D.

Badger Meter Manufacturing Company, Milwaukee, Wis. Water meters. Serial No. 483,840; Aug. 21. Class 26

Baker, James Scott St. Barbe, doing business as James Scott Manufacturing Company, London, England. Inks. Serial No. 474,474; Aug. 21. Class 11.

Belaief, Irving G., doing business as Blue Label Foundation Co., New York, N. Y. Brassières, girdles, garter belts, etc. Serial No. 481,607: Aug. 21. Class 39.

Bickiepegs Limited, Hertfordshire, England. Biscuits. Serial No. 477,000; Aug. 21. Class 46.

Bliss Ring Company: *See*—
Drucker, Charles R.

Blue Label Foundation Co.: *See*—
Belaief, Irving G.

Boco Company, Cleveland, Ohio. Metal polish. Serial No. 481,831; Aug. 21. Class 4.

Bourbeuse Shoe Company, Union, Mo. Women's and girls' shoes. Serial No. 467,485; Aug. 21. Class 39.

Brilles, Bell D., doing business as B. D. B. Typewriter Supply Works. Typewriter supplies. Serial No. 479,025; Aug. 21. Class 11.

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations, and powders. Serial No. 483,712; Aug. 21. Class 6.

Brown, G. F., Company: *See*—
Brown, Geraldine F.

Brown, Geraldine F., doing business as G. F. Brown Company, Philadelphia, Pa. Cleansing preparation for general household, toilet and laundry use. Serial No. 464,848; Aug. 21. Class 4.

Buchsbaum, S., & Co., Chicago, Ill. Perfume and cologne. Serial No. 483,208; Aug. 21. Class 6.

Cali Rancho Fruit Packers: *See*—
Spiegel, Benjamin.

Callite Tungsten Corporation, Union City, N. J. Composite metal wires. Serial No. 581,663; Aug. 21. Class 14.

Camden Furniture Company, Camden, Ark. Household furniture. Serial No. 470,435; Aug. 21. Class 32.

Caro-Green Laboratories: *See*—
Varney, Bruce.

Casselman, Ethel, doing business as National Distributors of Holllywood, Hollywood, Calif. After shave cologne. Serial No. 481,177; Aug. 21. Class 6.

Castilla Products, Inc., New York, N. Y. Perfumery, face creams and powders, etc. Serial No. 481,835; Aug. 21. Class 6.

Cleevelandt Corporation, New York, N. Y. Cosmetics comprising lipsticks, perfumes, and powders. Serial No. 482,976: Aug. 21. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Suntan lotion. Serial No. 483,673; Aug. 21. Class 6.

Columbia Mills, Inc., The, New York, N. Y. Window shades and porch shades. Serial No. 483,808; Aug. 21. Class 32.

Columbian Carbon Company, New York, N. Y. Particulate carbon. Serial No. 480,563; Aug. 21. Class 1.

Commerce Manufacturing Company, Inc., Commerce, Ga. Overalls and men's pants. Serial No. 480,890; Aug. 21. Class 39.

Commercial Solvents Corporation, New York, N. Y. Oil-soluble surface active chemical compositions. Serial No. 470,330; Aug. 21. Class 6.

Commonwealth Shoe and Leather Company, Whitman, Mass. Men's shoes. Serial No. 482,093; Aug. 21. Class 39.

Continental Coffee Company, Chicago, Ill. Coffee malted milk. Serial No. 475,840; Aug. 21. Class 46.

Continental Mills, Inc., Philadelphia, Pa. Woolen and worsted piece goods, jersey piece goods, elderdown piece goods, etc. Serial No. 462,986; Aug. 21. Class 42.

Cork Import Corporation, New York, N. Y. Asphaltic paints and asphaltic printing and sealing paints. Serial No. 481,523; Aug. 21. Class 16.

Currick & Leiken Co. Inc., New York, N. Y. Jackets, blouses and coats for men and women. Serial No. 470,528; Aug. 21. Class 39.

Dietary Laboratories: *See*—
Walsh, Michael J.

Don Juan, Inc., New York, N. Y. Lipsticks, rouge, and face powder. Serial No. 482,416; Aug. 21. Class 6.

Drucker, Charles R., doing business as Bliss Ring Company, Chicago, Ill. Wedding and engagement rings. Serial No. 477,871; Aug. 21. Class 28.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Insecticide. Serial No. 484,562; Aug. 21. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Insecticides. Serial No. 484,833; Aug. 21. Class 6.

Electro-King Mfg. Company, Chicago, Ill. Furnaces, boilers, heating stoves, etc. Serial No. 478,546; Aug. 21. Class 34.

Embalmers' Supply Company, The, Westport, Conn. Injection fluid. Serial No. 482,369; Aug. 21. Class 6.

Embalmers' Supply Company, The, Westport, Conn. Cavity fluid for use in the embalming trade. Serial No. 482,370; Aug. 21. Class 6.

Embalmers' Supply Company, The, Westport, Conn. Antidehydrant for use in the embalming trade. Serial No. 482,371; Aug. 21. Class 6.

Embalmers' Supply Company, The, Westport, Conn. Arterial injection fluid for use in the embalming trade. Serial Nos. 482,372–3; Aug. 21. Class 6.

Empire Crafts Corporation, Newark, N. Y. Silver plated flat tableware. Serial No. 472,666–7; Aug. 21. Class 28.

Fairchester Oil Co. Inc., East Portchester, Conn. Oil-burner furnaces. Serial No. 484,780; Aug. 21. Class 34.

Fedden Brothers Company, Incorporated, New York, N. Y. Hosiery. Serial No. 483,471; Aug. 21. Class 39.

Firestone Tire & Rubber Co., Akron, Ohio. Plastic compositions in sheet, rod, tube, plate and bar form. Serial No. 480,508; Aug. 21. Class 1.

Frankfurt, Leo, New York, N. Y. Baby bracelets. Serial No. 483,682; Aug. 21. Class 28.

Fritzsche Brothers, Inc., New York, N. Y. Concentrated odor neutralizing and perfuming compounds, etc. Serial No. 483,683; Aug. 21. Class 6.

Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Sleeping garments, play suits, sun suits, and rompers. Serial No. 483,223; Aug. 21. Class 39.

Garrison, Paula: *See*—
Garrison, Bertice Pauline.

General Detroit Corporation, The, Detroit, Mich. Fire hose. Serial No. 483,613; Aug. 21. Class 35.

Goldman-Rossman Corporation, New York, N. Y. Textile fabrics. Serial No. 471,032; Aug. 21. Class 42.

Guerlain Perfumery Corporation, The, Wilmington, Del., and New York, N. Y. Perfume and toilet water. Serial No. 483,573; Aug. 21. Class 6.

Haber, J. L., & Company, New York, N. Y. Thermoplastic film, supported and unsupported, in sheet, roll, and extruded form. Serial No. 482,572; Aug. 21. Class 1.

Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product used in water treating. Serial No. 482,928; Aug. 21. Class 6.

Half Moon Bay Growers Association, San Francisco, Calif. Fresh vegetables. Serial No. 478,629; Aug. 21. Class 46.

Hanes Hosiery Incorporated, New York, N. Y. Hosiery. Serial No. 482,422; Aug. 21. Class 39.

Harper Feed Mills, Inc., Pittsburgh, Pa. Poultry feeds. Serial No. 467,095; Aug. 21. Class 46.

Harrison, Monroe, Chicago, Ill. Hair color restorative. Serial No. 483,478; Aug. 21. Class 6.

Heyden Chemical Corporation, New York, N. Y. Pentaerythritol and polypentaerythritol esters of organic acids, etc. Serial No. 483,314; Aug. 21. Class 6.

Heyden Chemical Corporation, New York, N. Y. Liquid and solid chemical compounds and compositions. Serial No. 483,315; Aug. 21. Class 6.
Heyden Chemical Corporation, New York, N. Y. Pentaerythritol and polypentaerythritol esters of organic acids and similar materials. Serial No. 483,316; Aug. 21. Class 6.
Heyden Chemical Corporation, New York, N. Y. Synthetic wax-like solids, waxy esters of organic acids and pentaerythritol polypentaerythritols or mixtures. Serial No. 483,317; Aug. 21. Class 6.
Hillyard Chemical Company, St. Joseph, Mo. Liquid cleaning compound for floors. Serial No. 482,488; Aug. 21. Class 4.
Hoyden Food Products Corporation, Monterey, Calif. Canned fish and canned squid. Serial No. 483,479; Aug. 21. Class 46.
Industrial Raw Materials Company: *See*—
Aufhauser, Alfred.
Industrial Synthetics Corporation, Irvington, N. J. Rods, tubes, and forms made of hand or flexible electric insulation materials. Serial No. 471,309; Aug. 21. Class 21.
Interstate Dry Goods Syndicate, Huntington, W. Va. Women's, misses', and junior coats, suits, dresses, etc. Serial No. 483,268; Aug. 21. Class 39.
Interstate Folding Box Company, The, Middletown, Ohio. Lined, folding paperboard cartons for frozen foods and the like. Serial No. 483,532; Aug. 21. Class 2.
Jabeson China Co., Inc., New York, N. Y. Lamp shades and ceramic bases for lamps. Serial No. 483,270; Aug. 21. Class 34.
James Scott Manufacturing Company: *See*—
Baker, James Scott St. Barbe.
Kaolin, Georgia, Company, Elizabeth, N. J. Clays for use in the manufacture of ceramics, rubber and paper industries. Serial No. 483,850; Aug. 21. Class 1.
Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Ready mixed paints. Serial No. 474,125; Aug. 21. Class 16.
Kerodin Products Co.: *See*—
Mason, Sara.
Kirsten Pipe Company, Seattle, Wash. Smoking pipes and cigarette holders. Serial No. 480,916; Aug. 21. Class 8.
Koret of California: *See*
Koret, Joe.
Koret, Joe, doing business as Koret of California, San Francisco, Calif. Misses' and women's jackets. Serial No. 470,979; Aug. 21. Class 39.
Kuppenheimer, B., & Co., Inc., Chicago, Ill. Men's and youth's overcoats. Serial No. 482,881; Aug. 21. Class 39.
Lehn & Fink Products Corporation, Bloomfield, N. J. Face powder. 483,536; Aug. 21. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Eau de cologne. Serial No. 483,538; Aug. 21. Class 6.
Lenora Dress Company, San Francisco, Calif. Gowns. Serial No. 477,935; Aug. 21. Class 39.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Shaving lotion, bath soap, hand soap, etc. Serial No. 467,893; Aug. 21. Class 4.
Mangrum Holbrook & Elkus, San Francisco, Calif. Dressers, cook's table, dish tables, etc. Serial No. 473,473; Aug. 21. Class 32.
Mason, Sara, doing business as Kerodin Products Co., Chicago, Ill. Preparation for ringworm, sometimes called athlete's foot. Serial No. 475,859; Aug. 21. Class 6.
Master Lock Company, Milwaukee, Wis. Hasps. Serial No. 482,884; Aug. 21. Class 13.
Mayfair Aluminum Company, New York, N. Y. Aluminum cooking utensils. Serial No. 482,633; Aug. 21. Class 13.
McDonald and Olliff, Inc., Wauchula, Fla. Citrus juices and fresh citrus fruits. Serial No. 482,753; Aug. 21. Class 46.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Product in the form of an ointment. Serial No. 482,942; Aug. 12. Class 6.
Midwestern Sales, Inc., New York, N. Y. Chemical solvents. Serial No. 483,731; Aug. 21. Class 6.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Pituitary preparation. Serial No. 478,134; Aug. 21. Class 6.
Millett Corporation, New York, N. Y. Folded or twisted paper yarn. Serial No. 468,530; Aug. 21. Class 43.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial No. 458,017; Aug. 21. Class 46.
Minor, Emory M., Fairview, Va. General body tonic and body regulator. Serial No. 483,660; Aug. 21. Class 6.
Morse Chain Company, Ithaca, N. Y. Metal chains for sprockets and the like and parts thereof. Serial No. 483,076; Aug. 21. Class 13.
Mundet Cork Corporation, Brooklyn, N. Y. Raw cork and cut cork. Serial No. 468,121; Aug. 21. Class 1.
National Distributors of Hollywood: *See*—
Casselman, Ethel.
National Roll & Foundry Company, The, Borough of Avonmore, County of Westmoreland, Pa. Iron and steel castings. Serial No. 481,236; Aug. 21. Class 14.
New England Chemical and Supply Co.: *See*—
Woronka, Andrew J.
Norton Company, Worcester, Mass. Oilstones, abrasive stones, cleaning stones, etc. Serial No. 479,594; Aug. 21. Class 4.
Nurserytyme Products, Brooklyn, N. Y. Crib mattresses, playpen pads, baby carriage pads, etc. Serial No. 481,798; Aug. 21. Class 32.
Orosi Foothill Citrus Association, Orosi, Calif. Fresh citrus fruits. Serial No. 482,811; Aug. 21. Class 46.
Packing Products Company, New York, N. Y. Bonito fish and tuna fish. Serial No. 481,156; Aug. 21. Class 46.
Parfums D'Artimon: *See*—
Wilde, John P.
Perraud, Leon A. W., Los Angeles, Calif. Electrical driers for finger nail enamel. Serial No. 471,455; Aug. 21. Class 44.
Physician's Drug & Supply Co., Philadelphia, Pa. Estrogenic hormone preparations. Serial No. 483,449; Aug. 21. Class 6.
Plastic Die and Tool Corporation, Los Angeles, Calif. Plastic products. Serial No. 479,047; Aug. 21. Class 13.
Price, Robert H., doing business as Price Detergent Co., Shelton, Mass. Preparation for cleaning painted and varnished surfaces, upholstery, rugs, etc. Serial No. 482,394; Aug. 21. Class 4.
Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 480,836; Aug. 21. Class 6.
Price Detergent Co.: *See*—
Price, Robert H.
Reliable Textile Co., Inc., New York, N. Y. Piece goods of rayon, cotton, wool, silk and mixtures thereof. Serial No. 470,679; Aug. 21. Class 42.
Remembrance Ring Co., New York, N. Y. Finger rings. Serial No. 480,121; Aug. 21. Class 28.
Research Products Corporation, Madison, Wis. Air filters. Serial No. 483,343; Aug. 21. Class 34.
Resistoflex Corporation, Belleville, N. J. Flexible tubes, hose, hose assemblies, etc. Serial No. 482,644; Aug. 21. Class 35.
Rodelle Laboratories, Inc., Denver, Colo. Imitation vanilla flavoring for food purposes. Serial No. 484,360; Aug. 21. Class 46.
Rosenstein Bros., Paterson, N. J. Fabrics in the piece consisting of wool, silk, cotton, etc. Serial No. 481,716; Aug. 21. Class 42.
Rutlee Chemical Company, Perth Amboy, N. J., and Washington, D. C. Drug for the treatment of leg ulcers, open sores, athletes' foot and externally open infections. Serial Nos. 483,591–2; Aug. 21. Class 6.
San Diego Packing Corporation, San Diego Del Valle, Province of Las Villas, Cuba. Canned fruits and vegetables, fresh vegetables and fresh fruits. Serial No. 467,618; Aug. 21. Class 46.
Schleicher, Carl, & Schuell Company, Inc., New York, N. Y. Filter papers, filter pulp, filter and extraction thimbles, etc. Serial No. 469,788; Aug. 21. Class 31.
Schlussman & Gutman, New York, N. Y. Ladies' fur coats. Serial No. 483,155; Aug. 21. Class 39.
Scientrol, Inc., Shawano, Wis. Evaporated milk. Serial No. 483,990; Aug. 21. Class 46.
Shaw, Herman L., doing business as Shaw Products Company, Boston, Mass. Shampoo. Serial No. 483,793; Aug. 21. Class 6.
Shaw Products Company: *See*—
Shaw, Herman L.
Silverite Gutterman Co., Boston, Mass. Boot polish, liquid white shoe cream and shoe soap. Serial No. 482,556; Aug. 21. Class 4.
Slater, S., and Sons, Inc., Slater, S. C. Dresses for women and girls, also outer dress shirts for men and boys. Serial No. 483,492; Aug. 21. Class 39.
Spiegel, Benjamin, doing business as Cali Rancho Fruit Packers, Chicago, Ill. Dried prunes and apricots dipped in honey. Serial No. 483,352; Aug. 21. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Growth-promoting hormonal preparations. Serial No. 483,239; Aug. 21. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. Serial No. 483,798; Aug. 21. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Edible starch and particularly thin boiling starch. Serial No. 471,576; Aug. 21. Class 46.
Stayman, S. M., & Co., New York, N. Y. Woolens in the piece. Serial No. 484,330; Aug. 21. Class 42.
Steel Boiler Institute, Inc., New York, N. Y. Steel boilers. Serial No. 483,938; Aug. 21. Class 34.
Sterling Plastics Co., Union, N. J. Combs. Serial No. 483,501; Aug. 21. Class 40.
Style Undies, Inc., New York, N. Y. Children's and misses' panties, slips, and pajamas. Serial No. 482,901; Aug. 21. Class 39.
Time, Incorporated, New York, N. Y. Featured column appearing in its monthly magazine. Serial No. 483,123; Aug. 21. Class 38.
Tremco Manufacturing Company, The, Cleveland, Ohio. Corrosion inhibiting coating liquids for metal surfaces. Serial No. 483,044; Aug. 21. Class 6.
Turnbull, Frederick M., Los Angeles, Calif. Sulfadiazine compound. Serial No. 471,205; Aug. 21. Class 6.
Union Carbide and Carbon Corporation, New York, N. Y. Flux for welding, brazing and soldering. Serial No. 479,600; Aug. 21. Class 6.

U. S. Vitamin Corporation, New York, N. Y. Pharmaceutical preparation containing dicalcium phosphate, ferric phosphate with excipients and other ingredients. Serial No. 483,159; Aug. 21. Class 6.
United Wire & Supply Corporation, Providence, R. I. Welding alloy. Serial No. 479,739; Aug. 21. Class 14.
Valley View Packing Company, San Jose, Calif. Dried fruits. Serial No. 484,762; Aug. 21. Class 46.
Varney, Bruce, doing business as Caro-Green Laboratories, Kansas City, Mo. Animal and poultry foods. Serial No. 482,717; Aug. 21. Class 46.
Visking Corporation, The, Chicago, Ill. Cellulose sausage casings. Serial No. 478,262; Aug. 21. Class 2.
Walsh Ethical Products: *See*—
Walsh, Joseph V.
Walsh, Joseph V., doing business as Walsh Ethical Products, Beacon, N. Y. Preparations in the form of capsules. Serial No. 483,125; Aug. 21. Class 6.
Walsh, Michael J., doing business as Dietary Laboratories, San Diego, Calif. Nutritional supplement consisting of amino acid hydrochlorides. Serial No. 481,658; Aug. 21. Class 6.
Walton, Robert J., doing business as Walton Tool Company, Chicago, Ill. Lubricant used as coolant. Serial No. 482,718; Aug. 21. Class 15.
Walton Tool Company: *See*—
Walton, Robert J.
Werman, A., & Sons, Inc., Brooklyn, N. Y. Shoes for infants. Serial No. 471,011; Aug. 21. Class 39.
Westward Ho Hotel: *See*—
Zeitman, Al.
White Laboratories, Inc., Newark, N. J. Concentrates of cod liver oil, vitamin preparations, medicated chewing gum, etc. Serial No. 483,707; Aug. 21. Class 6.
White, Lillian, New York, N. Y. Dress shields and armhole reinforcement patches. Serial No. 470,472; Aug. 21. Class 40.
Wil-Co-Lene Mfg. Co., Newark, N. J. Liquid compositions to be added to fuel oils and to lubricating oils and compositions in powder form to be introduced into a zone of combustion. Serial No. 481,970; Aug. 21. Class 6.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume and toilet water. Serial No. 481,871; Aug. 21. Class 6.
Wilkins, Cecil R., Miami, Fla. Synthetic stones having the appearance of precious or semi-precious stones. Serial No. 477,341; Aug. 21. Class 28.
Winthrop Products Inc., New York, N. Y. Antispasmodic, sedative, and vasodilator preparation. Serial No. 483,405; Aug. 21. Class 6.
Woronka, Andrew J., doing business as New England Chemical and Supply Co., Manchester, N. H. Chemical preparation. Serial No. 483,013; Aug. 21. Class 6.
Zeitman, Al, doing business as Westward Ho Hotel, Phoenix, Ariz. Fresh vegetables. Serial No. 483,101; Aug. 21. Class 46.
Ziegler, George, Company, Milwaukee, Wis. Candy confection. Serial No. 479,743; Aug. 21. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A & D Company, Inc., Chicago, Ill., and New York, N. Y. Peat moss. 416,060; Aug. 21. Class 1.
A-Q Mills, Timmonsville, S. C. Knitted piece goods. 415,865; Aug. 21; Serial No. 470,952; published May 29, 1945. Class 42.
A-Q Mills, Timmonsville, S. C. Knitted fabrics. 415,881; Aug. 21; Serial No. 473,713; published June 12, 1945. Class 42.
Aaronson, Hyman S., Mount Vernon, N. Y. Pressure bags. 415,952; Aug. 21; Serial No. 480,005; published June 5, 1945. Class 23.
Acme Visible Records, Inc., Chicago, Ill. Card index cabinets. 416,070; Aug. 21. Class 32.
Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. 415,943; Aug. 21; Serial No. 479,453; published June 12, 1945. Class 11.
Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. 415,989; Aug. 21; Serial No. 480,686; published June 12, 1945. Class 37.
Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. 415,990; Aug. 21; Serial No. 480,688; published June 12, 1945. Class 37.
Allied Chemical & Dye Corporation: *See*—
Barrett Company, The, assignor.
Barrett Manufacturing Company, assignor.
Amalgamated Chemical Corp., Philadelphia, Pa. Metal cleaning compound. 415,868; Aug. 21; Serial No. 471,506; published Oct. 17, 1944. Class 4.
American Hair & Felt Company: *See*—
Keystone Hair Insulator Company, assignor.
American-Marsh Pumps, Inc.: *See*—
American Steam Pump Company.
American Oil & Supply Company, Newark, N. J. Oil and grease lubricants, anti-corrosive oils and greases, gun oils, etc. 416,040; Aug. 21. Class 15.
American Steam Pump Company, Battle Creek, Mich., by change of name to American-Marsh Pumps, Inc. Steam and power pumps and pumping machinery and parts thereof. 199,090; renewed June 2, 1945. O. G. Aug. 21. Class 23.
American Woolen Company, New York, N. Y. Piece goods. 415,876; Aug. 21; Serial No. 473,011; published Dec. 12, 1944. Class 42.
Antique Shoppe, The: *See*—
Rubicon.
Apex Dress Co. Inc., New York, N. Y. Ladies', misses', and junior dresses and suits. 415,974; Aug. 21; Serial No. 480,492; published June 12, 1945. Class 39.
Arbee Food Products Co., Kansas City, Kans. Dog food. 416,014; Aug. 21; Serial No. 481,450; published May 29, 1945. Class 46.
Arkansas City Flour Mills, The: *See*—
Mountain City Mill Co., Inc., assignor.
Plant, Geo. P., Milling Company.
Arlo, Helen, Inc., New York, N. Y. Face creams, cleansing creams, cold creams, etc. 415,855; Aug. 21; Serial No. 465,444; published Oct. 10, 1944. Class 6.
Armstrong, C. George, doing business as The Chelmsford Company, assignor to Canada Dry Ginger Ale, Incorporated, New York, N. Y. Nonalcoholic, nonccreal, maltless beverages. 202,201; renewed Aug. 18, 1945. O. G. Aug. 21. Class 45.
Arnould, D., Co.: *See*—
Arnould, Denis.
Arnould, Denis, assignor to Benjamin C. Weisberg, doing business as D. Arnould Co., New York, N. Y. Candies and candied fruits. 47,136; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 46.
Associated Distributors, Inc., Chicago, Ill. Facial makeup. 416,045–6; Aug. 21. Class 6.
Associated Engineering Company, Fresno, Calif. Paste-like composition. 416,026; Aug. 21. Class 1.
Ayerst, McKenna & Harrison Limited, New York, N. Y. Medicinal products containing vitamins and compounds of hydrofluoric acid. 416,005; Aug. 21; Serial No. 481,204; published June 5, 1945. Class 6.
Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Welded and seamless metallic tubes. 415,862; Aug. 21; Serial No. 470,553; published June 12, 1945. Class 34.
Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Door handles and knobs, name plates and push plates for doors, etc. 204,844; renewed Oct. 27, 1945. O. G. Aug. 21. Class 13.
Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Handles for canes, umbrellas and parasols. 204,845; renewed Oct. 27, 1945. O. G. Aug. 21. Class 41.
Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Violin bridges, keys, stops, bows, etc. 205,096; renewed Nov. 3, 1945. O. G. Aug. 21. Class 36.
Baker, Walter, & Company, Inc.: *See*—
Pierce, Henry L., assignor.
Barach, Edmund J., doing business under the name of Oxygen Equipment Mfg. Co., New York, N. Y. Oxygen tents and oxygen masks. 415,929; Aug. 21; Serial No. 478,676; published June 12, 1945. Class 44.
Barbour Flax Spinning Company, Paterson, N. J., assignor to The Linen Thread Co. Inc., New York, N. Y. Linen thread. 201,535; renewed July 28, 1945. O. G. Aug. 21. Class 43.
Barrett Company, The, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Fuel derived from pitch for metallurgical purposes. 202,046; renewed Aug. 11, 1945. O. G. Aug. 21. Class 1.
Barrett Manufacturing Company, assignor, by mesne assignments, to Allied Chemical & Dye Corporation, New York, N. Y. Ready tar-and-felt roofing. 47,263; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 12.
Barrett Plastic Products, Inc., Beverly Hills, Calif. Spectacles. 415,957; Aug. 21; Serial No. 480,153; published May 29, 1945. Class 26.
Beaver Products Company, Inc., The, Buffalo, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Plaster. 199,336; renewed June 9, 1945. O. G. Aug. 21. Class 12.
Becopa Glove Mills, Yonkers, N. Y. Wool and cotton gloves. 415,912; Aug. 21; Serial No. 477,758; published June 5, 1945. Class 39.
Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 415,853; Aug. 21; Serial No. 465,121; published Jan. 30, 1945. Class 4.
Beiersdorf, P., & Co. Inc., Stamford, Conn. Base for ointments. 198,807; renewed May 26, 1945. O. G. Aug. 21. Class 6.
Belmont Laboratories, assignor to Sidney E. Belmont, Chicago, Ill., doing business as Belmont Laboratories. Household deodorant. 416,037; Aug. 21. Class 6.
Belmont, Sidney E.: *See*—
Belmont Laboratories, assignor.

Bihl, Jerome U., San Marino, Calif. Parlor game. 415,936; Aug. 21; Serial No. 479,107; published June 12, 1945. Class 22.

Bixel, Russell: *See*—
Fitzpatrick, Orth.

Blackwelder Iron Works, Rio Vista, Calif. Beet harvesters. 416,000; Aug. 21; Serial No. 481,008; published June 12, 1945. Class 23.

Block, Charles E., Company, New York, N. Y. Billfolds, handbags, pocketbooks, etc. 415,949; Aug. 21; Serial No. 479,913; published June 12, 1945. Class 3.

Brasota Nurseries, Inc.: *See*—
Reasoner Brothers.

Brown Shoe Company, Inc., St. Louis, Mo. Men's, women's, and children's shoes. 415,873; Aug. 21; Serial No. 472,631; published Oct. 24, 1944. Class 39.

Brunswick-Balke-Collender Company, The, assignor to Brunswick Radio Corporation, Wilmington, Del., and New York, N. Y. Phonographs and parts thereof and supplies therefor. 204,099; renewed Nov. 3, 1945. O. G. Aug. 21. Class 36.

Brunswick Radio Corporation: *See*—
Brunswick-Balke-Collender Company, The, assignor.

Buchman, L., Co., Inc., The, Brooklyn, N. Y. Pillows. 416,069; Aug. 21. Class 32.

Buettner, T., & Co., Inc., Chicago, Ill. Threads, yarns, and cottons. 199,158; renewed June 2, 1945. O. G. Aug. 21. Class 43.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Product containing 68% barium sulfate together with an inert excipient. 415,963; Aug. 21; Serial No. 480,222; published June 5, 1945. Class 6.

Butler Manufacturing Company, Kansas City, Mo. Fabricated steel buildings and hangars. 416,062; Aug. 21. Class 12.

Butterich Cream Products Co.: *See*—
Greenberg, Benjamin.

Butz, Arna M., doing business as Lacquerwax Co., Hartford, Conn. Glass cleaners, hand soap, and preparations for removing tar. 416,064; Aug. 21. Class 4.

C. B. Drug Sales Co., Charlotte, N. C. Glycerine, cascara sagrada aromatic, preparations for colds, etc. 415,889; Aug. 21; Serial No. 474,619; published June 12, 1945. Class 6.

Camden Furniture Company, Camden, Ark. Household furniture. 416,033; Aug. 21. Class 32.

Canada Dry Ginger Ale, Incorporated: *See*—
Armstrong, C. George, assignor.

Carborundum Company, The, assignor to The Carborundum Company, Niagara Falls, N. Y. Crystalline carbide of silicon. 46,691; re-renewed Oct. 3, 1945. O. G. Aug. 21. Class 6.

Carnegie, Hattie, Inc., New York, N. Y. Bath salts and bath perfumes. 416,052–3; Aug. 21. Class 6.

Carolyn Shoes, Los Angeles, Calif. Women's shoes. 415,914; Aug. 21; Serial No. 477,834; published June 5, 1945. Class 39.

Cavendish Pharmaceutical Corp., New York, N. Y. Medicinal preparation. 415,886; Aug. 21; Serial No. 474,191; published Dec. 19, 1944. Class 6.

Cavendish Trading Corporation, New York, N. Y. Men's and boy's top coats, overcoats, jackets, etc. 415,904; Aug. 21; Serial No. 476,719; published June 5, 1945. Class 39.

Certain-teed Products Corporation: *See*—
Beaver Products Company, Inc., The.

Certain-teed Products Corporation, New York, N. Y., to Certain-teed Products Corporation, Chicago, Ill. Dental plaster and surgical plaster of Paris. 199,755; renewed June 16, 1945. O. G. Aug. 21. Class 44.

Charleston Metallic Packing Co., Charleston, S. C. assignor, by mesne assignments, to Raybestos-Manhattan, Inc., Passaic, N. J. Piston-packing. 44,502; re-renewed July 11, 1945. O. G. Aug. 21. Class 35.

Charleston Metallic Packing Co., Charleston, S. C., assignor, by mesne assignments, to Raybestos-Manhattan, Inc., Passaic, N. J. Packings for parts of machinery. 44,628; re-renewed July 18, 1945. O. G. Aug. 21. Class 35.

Chelmsford Company, The: *See*—
Armstrong, C. George.

Chemical Process Corporation, Chicago, Ill. Carbon paper. 200,373; renewed June 30, 1945. O. G. Aug. 21. Class 11.

Children's Products Co.: *See*—
Parents' Institute, Inc., The.

Cincinnati Varnish Co. Inc., The, Cincinnati, Ohio. Tinting colors in liquid and paste form. 415,946; Aug. 21; Serial No. 479,552; published June 12, 1945. Class 16.

Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts and dress shirts. 47,357; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 39.

Cluett, Peabody & Co., Inc.: *See*—
Cluett, Peabody & Co., assignor.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods and shirtings. 415,905; Aug. 21. Serial No. 476,754; published June 5, 1945. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon and/or silk or combinations thereof. 415,956; Aug. 21; Serial No. 480,104; published June 5, 1945. Class 42.

Columbia-Bedford Corporation, New York, N. Y. Floor wax. 415,871; Aug. 21; Serial No. 471,897; published June 5, 1945. Class 16.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Textile piece goods. 415,854; Aug. 21; Serial No. 465,411; published Aug. 22, 1944. Class 42.

Commando Packing Company, North Bend, Oreg. Canned fish. 416,021; Aug. 21; Serial No. 482,048; published June 12, 1945. Class 46.

Commerce Manufacturing Company, Inc., Commerce, Ga. Overalls and men's pants. 415,997; Aug. 21; Serial No. 480,891; published June 12, 1945. Class 39.

Compania Azucarera Central Toledo, S. A., Marianao City, Cuba. Sugar candy, bonbons, caramels, etc. 416,061; Aug. 21. Class 46.

Consolidated Shipbuilding Corporation: *See*—
Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated.

Continental Paper & Bag Mills Corporation, assignor, by mesne assignments, to International Paper Company, New York, N. Y. Paper towels. 202,650; renewed Sept. 1, 1945. O. G. Aug. 21. Class 37.

Continental Scale Works: *See*—
Continental Scale Works, assignor.

Continental Scale Works, assignor to Continental Scale Corporation, Chicago, Ill. Weighing scales. 200,948; renewed July 14, 1945. O. G. Aug. 21. Class 26.

Corega Chemical Company, Cleveland, Ohio. Dental powder. 416,056; Aug. 21. Class 6.

Cosmetic Products: *See*—
Lagore, Romeo L.

Crescent Pharmacal Co., Long Island City, N. Y. Medicinal preparation. 204,912; renewed Oct. 27, 1945. O. G. Aug. 21. Class 6.

Cumberland Dairy Products Co. Inc., Brooklyn, N. Y. Food product. 416,034; Aug. 21. Class 46.

Dae Health Laboratories, Limited, London, England. Antiseptic creams and toilet preparations. 415,925; Aug. 21; Serial No. 478,571; published June 5, 1945. Class 6.

Dallas Chemical Sales Company, Buffalo, N. Y. Spray concentrate for destroying roaches, water bugs, ants, etc. 416,016; Aug. 21. Serial No. 481,665; published June 12, 1945. Class 6.

Day, Ben, Inc.: *See*—
Day, Benjamin, assignor.

Day, Benjamin, assignor to Ben Day, Inc., New York, N. Y. Printing-films. 47,145; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 26.

Day Chemical Co., Newark, N. J. Shaving cream. 416,036; Aug. 21. Class 4.

Deerfield Packing Corporation, Bridgeton, N. J. Frozen apples, strawberries, blueberries, etc. 416,038; Aug. 21. Class 46.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. 415,958–60; Aug. 21; Serial Nos. 480,167–9; published June 5, 1945. Class 6.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. 415,961; Aug. 21; Serial No. 480,170; published June 12, 1945. Class 6.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. 415,962; Aug. 21; Serial No. 480,172; published June 5, 1945. Class 6.

Di-Noc Manufacturing Company, The, Cleveland, Ohio. Translucent sheet film composed of synthetic resinous material. 415,915; Aug. 21; Serial No. 477,920; published June 12, 1945. Class 37.

Dixie-Portland Flour Company: *See*—
Mountain City Mill Co., Inc., assignor.
Plant, Geo. P., Milling Company, assignor.

Dolanize Company, The, New York, N. Y. Chemical preparation. 415,880; Aug. 21; Serial No. 473,660; published June 5, 1945. Class 6.

Dollsworth & Co., Inc., New York, N. Y. Women's fabric coats and suits; fur coats, etc. 415,924; Aug. 21; Serial No. 478,420; published June 5, 1945. Class 39.

Dry-Pack Corporation, New York, N. Y. Soup mix. 415,887; Aug. 21; Serial No. 474,275; published June 12, 1945. Class 46.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts. 204,572; renewed Oct. 20, 1945. O. G. Aug. 21. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts and boys' blouses. 204,741; renewed Oct. 27, 1945. O. G. Aug. 21. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts. 204,769; renewed Oct. 27, 1945. O. G. Aug. 21. Class 39.

Emerson Drug Company, to The Emerson Drug Company of Baltimore City, Baltimore, Md., successor. Granular effervescent salt. 46,450; re-renewed Sept. 19, 1945. O. G. Aug. 21. Class 6.

Emerson Drug Company of Baltimore City, The: *See*—
Emerson Drug Company.

Eureka Vacuum Cleaner Company, Detroit, Mich. Discharger for pyrotechnic and the like signals and for machine gun rechargers. 415,897; Aug. 21; Serial No. 476,360; published June 12, 1945. Class 9.

Ex-Cell-O Corporation, Detroit, Mich. Metal working tools and tool accessories. 416,015; Aug. 21; Serial No. 481,574; published June 12, 1945. Class 23.

Farley Fruit Company, Salinas, Calif. Fresh vegetables. 415,866; Aug. 21; Serial No. 471,150; published Sept. 26, 1944. Class 46.

Fashion Park, Inc.: *See*—
Rosenberg Bros. & Co., assignor.

Field Abrasive Specialty Mfg. Co.: *See*—
Field, Albert.

Field, Albert, doing business under the name of Field Abrasive Specialty Mfg. Co., Dayton, Ohio. Flexible abrasive rolls. 416,029; Aug. 21. Class 4.

Firestone Tire & Rubber Company, The, Akron, Ohio. Threads and yarns of synthetic organic or plastics. 415,975; Aug. 21; Serial No. 480,507; published June 5, 1945. Class 43.

Firestone Tire & Rubber Company, The, Akron, Ohio. Composition to be applied to or mixed with natural or synthetic rubber, plastics and resins. 415,978; Aug. 21; Serial No. 480,539; published June 12, 1945. Class 6.

Fitzpatrick, Orth, to Russell Bixel, doing business as Fitzpatrick Paint Manufacturing Company, Warsaw, Ind., successor. Ready-mixed paints. 201,323; renewed July 21, 1945. O. G. Aug. 21. Class 16.

Fitzpatrick Paint Manufacturing Company: *See*—
Fitzpatrick, Orth.

Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 199,150–2; renewed June 2, 1945. O. G. Aug. 21. Class 42.

Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 199,845; renewed June 16, 1945. O. G. Aug. 21. Class 42.

Forstmann & Huffman Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 199,905; renewed June 23, 1945. O. G. Aug. 21. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffman Company, assignor.

Friedberg, Leonard, New York, N. Y. Perfume, toilet water, sachet in perfumed containers, etc. 415,953; Aug. 21; Serial No. 480,016; published June 12, 1945. Class 6.

Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated, New York, N. Y., by change of name to Consolidated Shipbuilding Corporation. Marine engines. 47,360; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 23.

General Chemical Company, New York, N. Y. Sulphide of soda. 204,750; renewed Oct. 27, 1945. O. G. Aug. 21. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Rubber composition valve gaskets, sealing gaskets, resilient rubber bushings, etc. 415,849; Aug. 21; Serial No. 459,196; published June 12, 1945. Class 35.

Golden Arrow Toiletries, New York, N. Y. Facial and bath soaps. 416,051; Aug. 21. Class 4.

Goldenbro Fabrics, Inc., New York, N. Y. Piece goods of rayon. 415,861; Aug. 21; Serial No. 470,446; published June 5, 1945. Class 42.

Goodman, Effie L., Washington, D. C. Toilet cream and face powder. 416,017; Aug. 21; Serial No. 481,669; published June 12, 1945. Class 6.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Tanks for storage of gasoline, oil, water, and other liquids. 415,847; Aug. 21; Serial No. 457,151; published Feb. 16, 1943. Class 2.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Tapioca. 415,995; Aug. 21; Serial No. 480,767; published May 29, 1945. Class 46.

Grand Union Company, The: *See*—
Grand Union Tea Co., assignor.

Grand Union Tea Co., Brooklyn, assignor to The Grand Union Company, New York, N. Y. Spices. 46,705; re-renewed Oct. 3, 1945. O. G. Aug. 21. Class 46.

Grand Union Tea Co., Brooklyn, assignor to The Grand Union Company, New York, N. Y. Teas. 46,832; re-renewed Oct. 10, 1945. O. G. Aug. 21. Class 46.

Grand Union Tea Co., Brooklyn, assignor to The Grand Union Company, New York, N. Y. Coffee. 46,833; re-renewed Oct. 10, 1945. O. G. Aug. 21. Class 46.

Grant Advertising, Inc., Dallas, Tex. Measuring or testing machines. 416,019; Aug. 21; Serial No. 481,784; published June 5, 1945. Class 26.

Gravitt, Evelyn S., Memphis, Tenn. Lapel ornaments. 415,901; Aug. 21; Serial No. 476,609; published May 29, 1945. Class 40.

Greenberg, Benjamin, doing business as Butterich Cream Products Co., Chelsea, Mass. Cream sauce. 416,041; Aug 21. Class 46.

Grocers Packing Company: *See*—
Gordon, Leonard.

Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Vitamin preparation. 415,921; Aug. 21; Serial No. 478,176; published June 12, 1945. Class 6.

Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Underarm deodorant. 416,013; Aug. 21; Serial No. 481,411; published June 5, 1945. Class 6.

Hands Bros., New York, N. Y. Chemical preparation. 415,899; Aug. 21; Serial No. 476,435; published June 12, 1945. Class 6.

Harkins, Robert H., doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Preparation for killing fleas, lice, sticktites, etc. 415,998; Aug. 21; Serial No. 480,904; published June 5, 1945. Class 6.

Harris, J. E., Company, The, Wooster, Ohio. Paint enamels. 415,933; Aug. 21; Serial No. 479,037; published June 12, 1945. Class 16.

Harvey Pecan Co.: *See*—
Middlebrooks, J. H.

Henry Mill & Timber Company, Tacoma, Wash. Fabricated structural timbers. 415,878; Aug. 21; Serial No. 473,251; published June 12, 1945. Class 12.

Hercules Rack Co.: *See*—
Levine & Solomon.

Hettrick Manufacturing Company, The, Toledo, Ohio. Sportswear bags. 416,048; Aug. 21. Class 3.

Higgins Industries, Inc., New Orleans, La. Power gun turrets, twin machine gun turrets, etc. 415,944; Aug. 21; Serial No. 479,478; published June 5, 1945. Class 9.

Hill-Shaw Company, Chicago, Ill. Electric hot plates or stoves. 416,009; Aug. 21; Serial No. 481,325; published June 12, 1945. Class 21.

Hill-Shaw Company, Chicago, Ill. Gas hot plates or stoves. 416,010; Aug. 21; Serial No. 481,326; published June 12, 1945. Class 34.

Hilliard Corporation, The, Elmira, N. Y. Oil filters. 415,900; Aug. 21; Serial No. 476,560; published June 12, 1945. Class 31.

Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.

Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Liquid or plastic adhesive and coating cement. 415,907; Aug. 21; Serial No. 477,157; published June 12, 1945. Class 5.

Hoffmann-Stafford Tanning Co., Chicago, Ill. Leather. 416,039; Aug. 21. Class 1.

Hollywood Products Company, Los Angeles, Calif. Abrasive mitts. 416,066; Aug. 21. Class 44.

Holterman, W. D., doing business as Holterman's, Fort Wayne, Ind. Live-stock, cattle and poultry feeds. 415,895; Aug. 21; Serial No. 476,018; published June 12, 1945. Class 46.

Holterman's: *See*—
Holterman, W. D.

Home Remedy & Supply Co., York, Pa. Remedy for catarrh, hay-fever, cold in the head, etc. 47,456; re-renewed Nov. 7, 1945. O. G. Aug. 21. Class 6.

Homix Products, Inc., New York, N. Y. Ice cream mix. 415,972; Aug. 21; Serial No. 480,374; published June 12, 1945. Class 46.

Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Canvas mail sacks, coal bags, letter-carrier pouches, etc. 200,260; renewed June 30, 1945. O. G. Aug. 21. Class 2.

Horowitz & Son, Inc., New York, N. Y. Watches. 415,979; Aug. 21; Serial No. 480,544; published June 12, 1945. Class 27.

Hume, G. W., Company, San Francisco, to G. W. Hume Company, San Francisco and Turlock, Calif. Canned fruits. 204,707; renewed Oct. 20, 1945. O. G. Aug. 21. Class 46.

Hydrotex Industries, Dallas, Tex. Chemical preparation. 415,882; Aug. 21; Serial No. 473,763; published Jan. 2, 1945. Class 6.

Imco Company, The: *See*—
Kohn, Julius.

Indian Dairies Corporation, Carlstadt, N. J. Dog food. 416,024; Aug. 21; Serial No. 482,157; published June 12, 1945. Class 46.

International Chemical Company, Chicago, Ill. Liquid soap. 415,964; Aug. 21; Serial No. 480,237; published June 12, 1945. Class 4.

International Chemical Company, Chicago, Ill. Toilet bowl cleaner and deodorizer. 415,965; Aug. 21; Serial No. 480,238; published June 12, 1945. Class 4.

International Chemical Company, Chicago, Ill. Liquid soap. 415,966; Aug. 21; Serial No. 480,241; published June 12, 1945. Class 4.

International Chemical Company, Chicago, Ill. Self-polishing high luster wax preparation. 415,967–8; Aug. 21; Serial Nos. 480,242–3; published June 12, 1945. Class 16.

International Motor Company, New York, N. Y., by change of name to Mack Manufacturing Corporation. Motor trucks. 205,100; renewed Nov. 3, 1945. O. G. Aug. 21. Class 19.

International Nickel Company, Inc., The: *See*—
Orford Copper Company.

International Paper Company: *See*—
Continental Paper & Bag Mills Corporation, assignor.

International Paper Company, assignor to International Paper Company, New York, N. Y. Envelope paper. 199,723; renewed June 16, 1945. O. G. Aug. 21. Class 37.

International Paper Company, assignor to International Paper Company, New York, N. Y. Writing paper and printing paper. 202,229; renewed Aug. 18, 1945. O. G. Aug. 21. Class 37.

Iowa Canning Company, Vinton, Iowa. Canned vegetables. 416,027; Aug. 21. Class 46.

Iowa Soap Company, Burlington, Iowa. Toilet soap. 415,947; Aug. 21; Serial No. 479,569; published June 12, 1945. Class 4.

Jackson Company, Nashua, N. H., assignor to Nashua Manufacturing Company, Boston, Mass. Cotton sheetings. 27,176; re-renewed Nov. 5, 1945. O. G. Aug. 21. Class 42.

Johnson, H. A., Co.: *See*—
Johnson, H. A., & Co.

Johnson, H. A., & Co., to H. A. Johnson Co., Boston, Mass., successor. Pie-fillings. 47,273; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 46.

Kairite Company: *See*—
Mintzer, Edward D.

Kendor Company, Clearwater, Fla. Toy tops. 415,917; Aug. 21; Serial No. 478,004; published June 12, 1945. Class 22.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 415,991; Aug. 21; Serial No. 480,704; published June 5, 1945. Class 26.

Keystone Hair Insulator Company, Allegheny, Pa., assignor, by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Linings of insulating material. 47,364; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 12.

King, Larson & McMahon, Chicago, Ill. Toy die-cut cardboard caricature figures. 415,922; Aug. 21; Serial No. 478,393; published June 12, 1945. Class 22.

King Pharr Canning Operations, Laurel, Miss. Canned vegetables. 416,067; Aug. 21. Class 46.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants and sanitary bloomers. 199,156; renewed June 2, 1945. O. G. Aug. 21. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary bloomers. 200,101; renewed June 23, 1945. O. G. Aug. 21. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 200,299–300; renewed June 30, 1945. O. G. Aug. 21. Class 40.

Kohn, Julius, doing business as The Imco Company, New York, N. Y. Pyrophoric lighters, flint, and wicks. 415,926; Aug. 21; Serial No. 478,586; published June 12, 1945. Class 34.

Kompolite Co., Inc., Brooklyn, N. Y. Magnesium oxychloride, emulsified asphalt, etc. 415,927; Aug. 21; Serial No. 478,588; published June 12, 1945. Class 12.

Krause, Chas. A., Milling Co., Milwaukee, Wis. Cereal core binder. 415,893; Aug. 21; Serial No. 475,728; published June 12, 1945. Class 5.

Lacquerwax Co.: *See*—
Butz, Arna M.

Ladds-Nessler Co., New York, N. Y. Hair rinse. 416,059; Aug. 21. Class 6.

Lagore, Romeo L., doing business as Cosmetic Products, Detroit, Mich. Lipsticks. 415,902; Aug. 21; Serial No. 476,683; published June 5, 1945. Class 6.

Lake Byrd Citrus Packing Co., Avon Park, Fla. Fresh citrus fruits. 415,877; Aug. 21; Serial No. 473,149; published June 12, 1945. Class 46.

Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Florida water. 47,457; re-renewed Nov. 7, 1945. O. G. Aug. 21. Class 6.

Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Toilet soap. 416,035; Aug. 21. Class 4.

Lawrence, George, Co., The, Portland, Oreg. Holsters, cartridge belts, holster belts, etc. 416,031–2; Aug. 21. Class 9.

Lederle Laboratories, Inc., New York, N. Y. Calcium caseinate antacid tablets. 416,018; Aug. 21; Serial No. 481,744; published June 12, 1945. Class 6.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 415,982; Aug. 21; Serial Nos. 480,592–3; published June 12, 1945. Class 35.

Lehn & Fink Products Corporation, Bloomfield, N. J. Preparation recommended for germicidal, bactericidal, bacteriostatic, etc. 415,896; Aug. 21; Serial No. 476,333; published June 12, 1945. Class 6.

Levine & Solomon, to Hercules Rack Co., formerly known as Levine & Solomon, New York, N. Y. Clothes racks. 201,732; renewed Aug. 4, 1945. O. G. Aug. 21. Class 32.

Levy, Abraham T., doing business as Plaskin Chemical Co., New York, N. Y. Preparation for medicinal and cosmetic treatment of the skin. 415,850; Aug. 21; Serial No. 463,077; published July 25, 1944. Class 6.

Lewis, Charles H., doing business under the name Termite Products Co., New York, N. Y. Insecticides. 416,054; Aug. 21. Class 6.

Linen Thread Co. Inc., The: *See*—
Barbour Flax Spinning Company, assignor.

Lynette Perfumes, Inc., New York, N. Y. Toilet soap. 415,954; Aug. 21; Serial No. 480,076; published June 12, 1945. Class 4.

Mack Manufacturing Corporation: *See*—
International Motor Company.

Madsen, Julius V., doing business as Julius V. Madsen Co., Alhambra and Los Angeles, Calif. Bubble bath preparation. 416,044; Aug. 21. Class 6.

Madsen, Julius V., Co.: *See*—
Madsen, Julius V.

Mafoliata Corporation, Chicago, Ill. Mahonia trifoliata (an infusion of algerita root). 415,919; Aug. 21; Serial No. 478,234; published June 5, 1945. Class 6.

Mann Company, The: *See*—
Mann, Frank J.

Mann Fine Chemicals Incorporated, New York, N. Y. Vitamin preparations. 415,984; Aug. 21; Serial No. 480,601; published June 12, 1945. Class 6.

Mann, Frank J., doing business as The Mann Company, Philadelphia, Pa. Potato chips. 416,068; Aug. 21. Class 46.

Mason, John H., doing business as Soubrette Cosmetics, Los Angeles, Calif. Hand creams and face creams. 416,007; Aug. 21; Serial No. 481,285; published June 5, 1945. Class 6.

Mayer, Oscar, & Co., Chicago, Ill. Meat products. 415,884; Aug. 21; Serial No. 474,087; published May 29, 1945. Class 46.

Mayer, Oscar, & Co., Chicago, Ill. Sausage. 416,050; Aug. 21. Class 46.

Mennen Company, The, Newark, N. J. Medicated powder. 415,851; Aug. 21; Serial No. 463,400; published June 12, 1945. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in powdered form, having antibiotic properties. 415,939; Aug. 21; Serial No. 479,348; published June 12, 1945. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Chemotherapeutic agent, in powder form. 415,940–1; Aug. 21; Serial Nos. 479,349–50; published June 12, 1945. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in tablet form, having antibiotic properties. 415,942; Aug. 21; Serial No. 479,351; published June 12, 1945. Class 6.

Meta Cine Company, Chattanooga, Tenn. Vitamin capsules and elixir. 415,903; Aug. 21; Serial No. 476,685; published June 5, 1945. Class 6.

Middlebrooks, J. H., doing business as Harvey Pecan Co., Jonesboro, Ga. Candies and shelled and unshelled nuts. 416,049; Aug. 21. Class 46.

Middleton, John, Inc., Philadelphia, Pa. Smoking tobacco. 416,028; Aug. 21. Class 17.

Minot, Hooper & Co., New York, N. Y. Drilling. 45,762; re-renewed Aug. 29, 1945. O. G. Aug. 21. Class 42.

Minot, Hooper & Co., New York, N. Y. Woven cotton fabrics. 45,826; re-renewed Aug. 29, 1945. O. G. Aug. 21. Class 42.

Minot, Hooper & Co., New York, N. Y. Woven cotton fabrics. 45,895; re-renewed Aug. 29, 1945. O. G. Aug. 21. Class 42.

Minot, Hooper & Co., New York, N. Y. Sheetings. 46,126; re-renewed Sept. 5, 1945. O. G. Aug. 21. Class 42.

Minot, Hooper & Co., New York, N. Y. Sheetings and drillings. 46,268; re-renewed Sept. 12, 1945. O. G. Aug. 21. Class 42.

Mintzer, Edward D., doing business as Kairite Company, Chicago, Ill. Liquid antiseptic for personal hygiene. 416,002; Aug. 21; Serial No. 481,075; published June 12, 1945. Class 6.

Moore Company, The, Muncie, Ind. Wire mattresses. 198,496; renewed May 19, 1945. O. G. Aug. 21. Class 32.

Morrell, John, & Co., Ottumwa, Iowa. Fresh pork, pork hocks, tripe, etc. 415,906; Aug. 21; Serial No. 476,977; published June 5, 1945. Class 46.

Mountain City Mill Co., Inc., Chattanooga, Tenn., assignor to Geo. P. Plant Milling Company, assignor, by mesne assignments, to Dixie-Portland Flour Company, also doing business as The Arkansas City Flour Mills, Arkansas City, Kans., and Memphis, Tenn. Plain and self-rising flour. 202,668; renewed Sept. 1, 1945. O. G. Aug. 21. Class 46.

Myers & Andrews, to S. A. & H. Myers, Inc., Boston, Mass., successor. Men's and children's overcoats, coats, vests, etc. 44,985; re-renewed Aug. 1, 1945. O. G. Aug. 21. Class 39.

Nashua Manufacturing Company: *See*—
Jackson Company, assignor.

National Healthaids, Inc., New York, N. Y. Compound containing a vegetate product. 415,980; Aug. 21; Serial No. 480,549; published June 12, 1945. Class 6.

National Malleable Castings Company, Cleveland, Ohio. Railway-car castings. 45,069; re-renewed Aug. 8, 1945. O. G. Aug. 21. Class 14.

Nestle's Milk Products, Inc., New York, N. Y. Powdered soluble tea extract blended with carbohydrates. 415,948; Aug. 21; Serial No. 479,752; published June 12, 1945. Class 46.

Neuhoff, Fred B., Company, Los Angeles, Calif. Canned fish. 416,022; Aug. 21; Serial No. 482,067; published June 12, 1945. Class 46.

Nips, Inc., New York, N. Y. Perfumes. 415,858; Aug. 21; Serial No. 467,669; published Nov. 21, 1944. Class 6.

Norton Company, Worcester, Mass. Oilstones, abrasive stones, cleaning stones, etc. 415,938; Aug. 21; Serial No. 479,299; published June 5, 1945. Class 4.

Nott Manufacturing Co.: *See*—
Harkins, Robert H.

Novell: *See*—
Rubin, Herbert.

Novins Company, Incorporated, The, New York, N. Y. Vitamin containing oils. 416,008; Aug. 21; Serial No. 481,287; published June 12, 1945. Class 6.

Oakes & Co., also doing business as Tru-Test, Chicago, Ill. Radiator cleaning compound, brake fluid, knee-action fluid, etc. 416,042; Aug. 21. Class 6.

Old Dutch Mustard Co., Inc., Brooklyn, N. Y. Mustard. 416,023; Aug. 21; Serial No. 482,069; published June 12, 1945. Class 46.

Oneida Ltd., Sherrill, N. Y. Silver plated flatware. 415,996; Aug. 21; Serial No. 480,873; published June 12, 1945. Class 28.

Onyx Oil & Chemical Company, Jersey City, N. J. Product used for filling and finishing silk. 204,882; renewed Oct. 27, 1945. O. G. Aug. 21. Class 6.

Orford Copper Company, to The International Nickel Company, Inc., New York, N. Y., successor. Refined copper. 46,665–6; re-renewed Oct. 3, 1945. O. G. Aug. 21. Class 14.

Orford Copper Company, to The International Nickel Company, Inc., New York, N. Y., successor. Refined copper. 46,667; re-renewed Oct. 3, 1945. O. G. Aug. 21. Class 14.

Oxygen Equipment Mfg. Co.: *See*—
Barach, Edmund J.

Panzer Packing Co., Inc., Baltimore, Md. Pickles, sandwich spread, mayonnaise, etc. 416,057; Aug. 21. Class 46.

Parents' Institute, Inc., The, also doing business as Children's Products Co., New York, N. Y. Ladies', misses' and children's dresses, coats and hats. 415,910; Aug. 21; Serial No. 477,577; published June 12, 1945. Class 39.

Parfums Schiaparelli, Inc., New York, N. Y. Cosmetic oils. 415,856; Aug. 21; Serial No. 465,687; published June 5, 1945. Class 6.

Ped-Agree Shoe Co., Paterson, N. J. Shoes. 415,909; Aug. 21; Serial No. 477,239; published June 12, 1945. Class 39.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Caustic alkali, calcium hypochlorite, ammonium persulphate, etc. 415,863-4; Aug. 21; Serial Nos. 470,893-4; published Sept. 19, 1944. Class 6.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Antiseptics. 416,003; Aug. 21; Serial No. 481,158; published June 5, 1945. Class 6.

Pierce, Henry L., Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Chocolate, cocoa, and preparations thereof. 27,056–7; re-renewed Sept. 10, 1945. O. G. Aug. 21. Class 46.

Pierce, S. S., Co., Boston, Mass. Perfumery. 204,963; renewed Oct. 27, 1945. O. G. Aug. 21. Class 6.

Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face powder, etc. 204,964–5; renewed Oct. 27, 1945. O. G. Aug. 21. Class 6.

Plant, Geo. P., Milling Company: *See*—
Mountain City Mill Co., Inc., assignor.

Plant, Geo. P., Milling Company, St. Louis, Mo., assignor, by mesne assignments, to Dixie-Portland Flour Company, also doing business as The Arkansas City Flour Mills, Arkansas City, Kans., and Memphis, Tenn. Plain and self-rising wheat flour. 202,687; renewed Sept. 1, 1945. O. G. Aug. 21. Class 46.

Plaskin Chemical Co.: *See*—
Levy, Abraham T.

Pleasantaire Corporation of America, Washington, D. C. Radio receiving sets. 416,011; Aug. 21; Serial No. 481,382; published June 12, 1945. Class 21.

Pond's Extract Company, New York, N. Y., and elsewhere. Toilet and cosmetic products. 415,955; Aug. 21; Serial No. 480,086; published June 5, 1945. Class 6.

Posner, Dr. A., Shoes, Inc., New York, N. Y. Leather, rubber, and fabric shoes. 415,971; Aug. 21; Serial No. 480,299; published June 5, 1945. Class 39.

Purolator Products, Inc., Newark, N. J. Oil filters. 416,004; Aug. 21; Serial No. 481,191; published June 12, 1945. Class 23.

Pur-O-Scent Chemical Co.: *See*—
Tumarkin, Abraham.

Quaker Chemical Products Corporation, Conshohocken, Pa. Water softener. 415,879; Aug. 21; Serial No. 473,333; published Dec. 19, 1944. Class 6.

Quinn, Clara E., St. Petersburg, Fla. Fluid refrigerant. 416,001; Aug. 21; Serial No. 481,026; published June 5, 1945. Class 6.

Raybestos-Manhattan, Inc.: *See*—
Charleston Metallic Packing Co., assignor.

Raymode Negligee, Inc., New York, N. Y. Misses' and ladies' negligees. 415,976; Aug. 21; Serial No. 480,522; published June 12, 1945. Class 39.

Reasoner Brothers, doing business as Royal Palm Nurseries, to Brasota Nurseries, Inc., Oneco, Fla., successor. Ornamental plants and trees. 205,092; renewed Nov. 3, 1945. O. G. Aug. 21. Class 1.

Reeves Brothers Inc., New York, N. Y. Cotton piece goods. 415,928; Aug. 21; Serial No. 478,597; published May 1, 1945. Class 42.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins and solutions. 415,920; Aug. 21; Serial No. 478,246; published June 12, 1945. Class 5.

Remington Rand Inc., Buffalo, N. Y. Hectograph carbon paper, duplicator fluid and manifolding sets. 415,874; Aug. 21; Serial No. 472,712; published June 5, 1945. Class 11.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Rex Cutlery Corporation, Irvington, N. J. Household scissors, sewing scissors, pocket scissors, etc. 416,006; Aug. 21; Serial No. 481,192; published June 12, 1945. Class 23.

Ridgways Limited, London, England. Tea. 415,918; Aug. 21; Serial No. 478,057; published June 5, 1945. Class 46.

Robert, Charles J., doing business as The Robertine Company, Wayne, Mich. Preventive and medicinal preparation. 415,872; Aug. 21; Serial No. 472,589; published June 12, 1945. Class 6.

Robertine Company, The: *See*—
Robert, Charles J.

Robinson Clay Product Company, The, Akron, Ohio. Insulating fire brick. 416,020; Aug. 21; Serial No. 482,015; published June 12, 1945. Class 12.

Rohaut, Albert, Sanford, Maine. Apples. 415,911; Aug. 21; Serial No. 477,748; published June 12, 1945. Class 46.

Rosenberg Bros. & Co., San Francisco, Calif. Almonds. 415,848; Aug. 21; Serial No. 457,481; published July 18, 1944. Class 46.

Rosenberg Bros. & Co., assignor, by mesne assignors, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 204,829–0; renewed Oct. 27, 1945. O. G. Aug. 21. Class 39.

Royal Palm Nurseries: *See*—
Reasoner Brothers.

Rubicon, doing business as The Antique Shoppe, New York, N. Y. Oil lamps. 415,945; Aug. 21; Serial No. 479,527; published June 12, 1945. Class 34.

Rubin, Herbert, doing business as Novell, New York, N. Y. Lamps. 416,058; Aug. 21. Class 50.

S. M. A. Corporation, Chicago, Ill. Medicinal vitamin preparations. 415,875; Aug. 21; Serial No. 472,908; published Oct. 24, 1944. Class 6.

S. A. & H. Myers, Inc.: *See*—
Myers & Andrews.

Salter, John L., to Woodward, Baldwin and Company, New York, N. Y., successor. Bleached, brown, and colored cotton sheetings and drillings. 47,337; renewed Oct. 31, 1945. O. G. Aug. 21. Class 42.

Savoy Curtain Corp., New York, N. Y. Curtains, bed spreads and drapes. 415,846; Aug. 21; Serial No. 452,363; published June 5, 1945. Class 42.

Schering & Glatz, Inc., New York, N. Y. Parenteral solutions for rehydrating and/or energizing the system. 415,860; Aug. 21; Serial No. 470,121; published June 5, 1945. Class 6.

Schmechel, Arno, & Son, Inc.: *See*—
Schmechel & Schubert Mfg. Co., assignor.

Schmechel & Schubert Mfg. Co., assignor to Arno Schmechel & Son, Inc., Thiensville, Wis. Farm machinery and implements. 199,137; renewed June 2, 1945. O. G. Aug. 21. Class 23.

Schutter Candy Company, Chicago, Ill. Candy. 415,890; Aug. 21; Serial No. 475,132; published June 12, 1945. Class 46.

Schwob, Adolphe, Inc., New York, assignor, by mesne assignments, to Louis A. Schwob, Pelham Manor and New York, N. Y. Watches and watch movements. 201,720; renewed Aug. 4, 1945. O. G. Aug. 21. Class 27.

Schwob, Louis A.: *See*—
Schwob, Adolphe, Inc., assignor.

Senco, Incorporated, Baltimore, Md. Weighted reeled tape. 415,985; Aug. 21; Serial No. 480,623; published May 29, 1945. Class 26.

Sharples Corporation, The: *See*—
Sharples Specialty Co.

Sharples Specialty Co., Philadelphia, Pa., by change of name to The Sharples Corporation. Centrifugal machines. 200,389; renewed June 30, 1945. O. G. Aug. 21. Class 23.

Sheetlock Company, Chicago, Ill. Metal fastening strips for all types of nonmetallic boards. 416,043; Aug. 21. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Doped airplane cloth, untreated airplane cloth, and balloon cloth. 415,883; Aug. 21; Serial No. 473,837; published June 12, 1945. Class 42.

Sierra Talc Company, Los Angeles, Calif. Talc, whiting, and silica. 197,912; renewed Apr. 28, 1945. O. G. Aug. 21. Class 1.

Sipe, James B., & Company, Pittsburgh, Pa. Ready-mixed paints and paste paints. 200,593; renewed July 7, 1945. O. G. Aug. 21. Class 16.

Slazenger, Frank L., Corporation, New York, N. Y., assignor, by mesne assignments, to Slazengers Limited, London, England. Golf clubs, golf balls, tennis rackets, etc. 202,555; renewed Aug. 25, 1945. O. G. Aug. 21. Class 22.

Slazengers Limited: *See*—
Slazenger, Frank L., Corporation, assignor.

Smith, J. P., Shoe Company, Chicago, Ill. Men's shoes. 415,931; Aug. 21; Serial No. 478,768; published June 5, 1945. Class 39.

Smith, Kline & French Laboratories, Philadelphia, Pa. Analgesic preparation. 415,916; Aug. 21; Serial No. 477,983; published June 5, 1945. Class 6.
Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. 415,992–3; Aug. 21; Serial Nos. 480,717–18; published June 12, 1945. Class 39.
Sonneborn, L., Sons, Inc., New York, N. Y. Liquid blend of fatty oils and emulsion agents. 415,932; Aug. 21; Serial No. 478,908; published June 12, 1945. Class 6.
Sonneborn, L., Sons, Inc., New York, N. Y. Powdered composition of matter used for the sizing of textile yarns. 415,933; Aug. 21; Serial No. 478,910; published June 12, 1945. Class 6.
Sonneborn, L., Sons, Inc., New York, N. Y. Liquid blend of mineral oil and petroleum mahogany sulfonates. 415,934; Aug. 21; Serial No. 478,911; published June 12, 1945. Class 6.
Soubrette Cosmetics: *See*—
Mason, John H.
Speed Products Company, Long Island City, N. Y. Stapling machines, tackers, and pliers of the hand operated type, etc. 416,025; Aug. 21. Class 37.
Spencerian Pen Company, New York, N. Y. Pens, penholders, fountain-pens. 47,397; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 37.
Stein, Hall & Company, Inc., New York, N. Y. Stabilizer and emulsifying agent. 415,867; Aug. 21; Serial No. 471,366; published Sept. 12, 1944. Class 6.
Sterling Plastics Co., Union, N. J. Combs. 415,951; Aug. 21; Serial No. 480,001; published June 12, 1945. Class 40.
Stern, Merritt Co. Inc., New York, N. Y. Neckties. 415,923; Aug. 21; Serial No. 478,413; published May 29, 1945. Class 39.
Swift & Company, Chicago, Ill. Soap. 198,767; renewed May 26, 1945. O. G. Aug. 21. Class 4.
Swift & Company, Chicago, Ill. Soap. 199,369; renewed June 9, 1945. O. G. Aug. 21. Class 4.
Swift & Company, Chicago, Ill. Chemical fertilizer. 415,950; Aug. 21; Serial No. 479,955; published June 5, 1945. Class 10.
Tabb, H. E., Co.: *See*—
Tabb, Holmes B.
Tabb, Holmes B., doing business as H. E. Tabb Co., Oceano, Calif. Fresh vegetables. 416,012; Aug. 21; Serial No. 481,388; published May 29, 1945. Class 46.
Tablax Company: *See*—
Weiner, Louis I.
Tat Hosiery Mills, The, Bridgeport, Ala. Hosiery. 415,898; Aug. 21; Serial No. 476,409; published June 12, 1945. Class 39.
Termite Products Co.: *See*—
Lewis, Charles H.
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour. 47,208; re-renewed Oct. 31, 1945. O. G. Aug. 21. Class 46.
Tibert, L. E., Voss, N. Dak. Seed potatoes. 415,999; Aug. 21; Serial No. 480,933; published June 12, 1945. Class 1.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid fuel tanks. 416,030; Aug. 21. Class 2.
Transportation Devices Corporation, Indianapolis, Ind. Reverse gears and automatic cut-off controls. 204,566; renewed Oct. 20, 1945. O. G. Aug. 21. Class 23.
Tru-Test: *See*—
Oakes & Co.
Truval Manufacturers, Inc., New York, N. Y. Sportswear for men and young men. 415,994; Aug. 21; Serial No. 480,724; published June 12, 1945. Class 39.
Tulkoff, Harry, doing business as Tulkoff's Horse Radish Products Co., Baltimore, Md. Horse radish, horse radish relish, cocktail sauce, etc. 416,047; Aug. 21. Class 46.
Tulkoff's Horse Radish Products Co.: *See*—
Tulkoff, Harry.
Tumarkin, Abraham, doing business as Pur-O-Scent Chemical Co., Boston, Mass. Preparation for purifying air. 416,055; Aug. 21. Class 6.
20th Century Chemical Company, Camden, N. J. Cleaning and polishing materials in paste, liquid, and solid forms. 415,845; Aug. 21; Serial No. 432,798; published Nov. 25, 1941. Class 4.
Union Fork & Hoe Company, The, Columbus, Ohio. Farm and garden cultivators. 416,065; Aug. 21. Class 23.
Unique Fibers, Inc., New York, N. Y. Fur fibres treated for spinning purposes. 415,973; Aug. 21; Serial No. 480,483; published June 12, 1945. Class 1.
U. S. Hame Company, by merger, to Ushco Manufacturing Company, Inc., Buffalo, N. Y. Hames and parts thereof. 204,607; renewed Oct. 20, 1945. O. G. Aug. 21. Class 3.
United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Refractory articles and corrosion resistant articles. 415,852; Aug. 21; Serial No. 464,526; published June 12, 1945. Class 12.
Ushco Manufacturing Company, Inc.: *See*—
U. S. Hame Company.
Vapex Soot Destroyer, St. Bernard, Cincinnati, Ohio. Chemical preparation. 415,977; Aug. 21; Serial No. 480,536; published June 12, 1945. Class 6.
Vertical Visible Records Corporation, The, Newark, N. J. Record cards. 415,859; Aug. 21; Serial No. 470,011; published July 25, 1944. Class 37.
Visceglie, Benny, Jackson Heights, Long Island, N. Y. Perfumes, colognes, and skin creams and lotions. 415,930; Aug. 21; Serial No. 478,693; published June 12, 1945. Class 6.
Vita-Var Corporation, Newark, N. J. Ready-mixed paint, paint enamel, varnish, etc. 415,888; Aug. 21; Serial No. 474,562; published June 5, 1945. Class 16.
Vogue Optical Mfg. Company, New York, N. Y. Optical frames. 415,986; Aug. 21; Serial No. 480,635; published June 5, 1945. Class 26.
Wagner, Raebelle, Freehold, N. J. Lamp bases for electric lamps. 415,908; Aug. 21; Serial No. 477,170; published June 12, 1945. Class 21.
Walsh, James, & Co. Inc., Lawrenceburg, Ind. Whiskies, gin, brandy, etc. 416,063; Aug. 21. Class 49.
Warner, William R., & Co., Inc., New York, N. Y. Antipyretic, analgesic, antirheumatic, digestant powder and tablets, etc. 415,891; Aug. 21; Serial No. 475,287; published June 12, 1945. Class 6.
Warren Brothers Company, Boston, to Warren Brothers Company, Cambridge, Mass. Bituminous pavements. 47,476; re-renewed Nov. 7, 1945. O. G. Aug. 21. Class 12.
Weiner, Louis I., doing business as Tablax Company, New York, N. Y. Medicinal preparation. 415,981; Aug. 21; Serial No. 480,556; published June 12, 1945. Class 6.
Weisberg, Benjamin C.: *See*—
Arnould, Denis, assignor.
Wenzel Proprietary Limited, Melbourne, Australia. Piece goods. 415,885; Aug. 21; Serial No. 474,182; published June 12, 1945. Class 42.
Western Garment Company, St. Louis, Mo. Ladies' and misses' coats. 415,988; Aug. 21; Serial No. 480,683; published June 12, 1945. Class 39.
White Laboratories, Inc., Newark, N. J. Preparation for the treatment of airsickness and seasickness. 415,937; Aug. 21; Serial No. 479,266; published June 12, 1945. Class 6.
Wilcox-Hayes Company, The, Portland, Oreg. Wheat flour. 199,944; renewed June 23, 1945. O. G. Aug. 21. Class 46.
Wilcox-Hayes Company, The, Portland, Oreg. Wheat flour. 200,283; renewed June 30, 1945. O. G. Aug. 21. Class 46.
Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 415,987; Aug. 21; Serial No. 480,636; published June 12, 1945. Class 6.
Winthrop Products Inc., New York, N. Y. Antileukorrheic preparation. 415,894; Aug. 21; Serial No. 475,786; published Feb. 13, 1945. Class 6.
Wisconsin Chemical Products Company, Milwaukee, Wis. Chemical products. 415,857; Aug. 21; Serial No. 466,188; published Feb. 6, 1945. Class 6.
Witco Chemical Company, Chicago, Ill. Industrial asphalt paint. 415,969; Aug. 21; Serial No. 480,267; published June 12, 1945. Class 16.
Woodward, Baldwin and Company: *See*—
Salter, John L.
Wright Fruit Company: *See*—
Wright, R. M.
Wright, R. M., doing business as Wright Fruit Company, Dinuba, Calif. Fresh deciduous fruits, fresh grapes and fresh vegetables. 415,970; Aug. 21; Serial No. 480,268; published June 12, 1945. Class 46.
Wullschleger & Co., New York, N. Y. Fabrics in the piece of wool, cotton, silk, etc. 415,869; Aug. 21; Serial No. 471,719; published June 5, 1945. Class 42.
Wullschleger & Co., New York, N. Y. Fabrics in the piece. 415,870; Aug. 21; Serial No. 471,721; published June 12, 1945. Class 42.
Zisson: *See*—
Zisson, Harry.
Zisson, Harry, doing business as Zisson, St. Paul, Minn. Shampoo capes, bibs, and dental aprons. 415,913; Aug. 21; Serial No. 477,831; published May 29, 1945. Class 39.
Zylite Optical Co., Inc., New York, N. Y. Eyeglass frames. 415,892; Aug. 21; Serial No. 475,675; published May 29, 1945. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Composition, Pastelike. Associated Engineering Company. 416,026; Aug. 21.
Fuel derived from pitch for metallurgical purposes. Barrett Company. 202,046; renewed Aug. 11, 1945. O. G. Aug. 21.
Fur fibres treated for spinning purposes. Unique Fibers, Inc. 415,973; Aug. 21; Serial No. 480,483; published June 12, 1945.
Leather. Hoffmann-Stafford Tanning Co. 416,039; Aug. 21.
Moss, Peat. A & D Company, Inc. 416,060; Aug. 21.
Plants and trees, Ornamental. Reasoner Brothers. 205,092; renewed Nov. 3, 1945. O. G. Aug. 21.
Potatoes, Seed. L. E. Tibert. 415,999; Aug. 21; Serial No. 480,933; published June 12, 1945.
Talc, whiting, and silica. Sierra Talc Company. 197,912; renewed Apr. 28, 1945. O. G. Aug. 21.

CLASS 2

Sacks, coal bags, letter-carrier pouches, etc., Canvas mail. Wm. E. Hooper & Sons Co. 200,260; renewed June 30, 1945. O. G. Aug. 21.
Tanks for storage of gasoline, oil, water, and other liquids. B. F. Goodrich Company. 415,847; Aug. 21; Serial No. 457,151; published Feb. 16, 1943.
Tanks, Liquid fuel. Tokheim Oil Tank and Pump Company. 416,030; Aug. 21.

CLASS 3

Bags, Sportswear. Hettrick Manufacturing Company. 416,048; Aug. 21.
Billfolds, handbags, pocketbooks, etc. Charles E. Block Company. 415,949; Aug. 21; Serial No. 479,913; published June 12, 1945.
Hames and parts thereof. U. S. Hame Company. 204,607; renewed Oct. 20, 1945. O. G. Aug. 21.

CLASS 4

Abrasives, coated. Behr-Manning Corporation. 415,853; Aug. 21; Serial No. 465,121; published Jan. 30, 1945.
Cleaner and deodorizer, Toilet bowl. International Chemical Company. 415,965; Aug. 21; Serial No. 480,238; published June 12, 1945.
Cleaners, hand soap, and preparations for removing tar, Glass. A. M. Butz. 416,064; Aug. 21.
Cleaning and polishing materials in paste, liquid, and solid form. 20th Century Chemical Company. 415,845; Aug. 21; Serial No. 432,798; published Nov. 25, 1941.
Compound, Metal cleaning. Amalgamated Chemical Corp. 415,868; Aug. 21; Serial No. 471,506; published Oct. 17, 1944.
Cream, Shaving. Day Chemical Co. 416,036; Aug. 21.
Oilstones, abrasive stones, cleaning stones, etc. Norton Company. 415,938; Aug. 21; Serial No. 479,299; published June 5, 1945.
Rolls, Flexible abrasive. A. Field. 416,029; Aug. 21.
Soap. Swift & Company. 198,767; renewed May 26, 1945. O. G. Aug. 21.
Soap. Swift & Company. 199,369; renewed June 9, 1945. O. G. Aug. 21.
Soap, Liquid. International Chemical Company. 415,964; Aug. 21; Serial No. 480,237; published June 12, 1945.
Soap, Liquid. International Chemical Company. 415,966; Aug. 21; Serial No. 480,241; published June 12, 1945.
Soap, Toilet. Iowa Soap Company. 415,947; Aug. 21; Serial No. 479,569; published June 12, 1945.
Soap, Toilet. Lanman & Kemp-Barclay & Co., Incorporated. 416,035; Aug. 21.
Soap, Toilet. Lynette Perfumes, Inc. 415,954; Aug. 21; Serial No. 480,076; published June 12, 1945.
Soaps, Facial and bath. Golden Arrow Toiletries. 416,051; Aug. 21.

CLASS 5

Binder, Cereal core. Chas. A. Krause Milling Co. 415,893; Aug. 21; Serial No. 475,728; published June 12, 1945
Cement, Liquid or plastic adhesive and coating. R. F. Hlavaty. 415,907; Aug. 21; Serial No. 477,157; published June 12, 1945.
Resins and solutions, Synthetic. Reichhold Chemicals, Inc. 415,920; Aug. 21; Serial No. 478,246; published June 12, 1945.

CLASS 6

Analgesic preparation. Smith, Kline & French Laboratories. 415,916; Aug. 21; Serial No. 477,983; published June 5, 1945.
Antileukorrheic preparation. Winthrop Products Inc. 415,894; Aug. 21; Serial No. 475,786; published Feb. 13, 1945.
Antipyretic, analgesic, antirheumatic, digestant powder and tablets, etc. William R. Warner & Co., Inc. 415,891; Aug. 21; Serial No. 475,287; published June 12, 1945.
Antiseptic for personal hygiene, Liquid. E. D. Mintzer. 416,002; Aug. 21; Serial No. 481,075; published June 12, 1945.
Antiseptics. Phillips Pharmaceutical Products, Inc. 416,003; Aug. 21; Serial No. 481,158; published June 5, 1945.
Base for ointments. P. Beiersdorf & Co. Inc. 198,807; renewed May 26, 1945. O. G. Aug. 21.
Bath preparation, Bubble. J. V. Madsen. 416,044; Aug. 21.
Calcium caseinate antacid tablets. Lederle Laboratories, Inc. 416,018; Aug. 21; Serial No. 481,744; published June 12, 1945.
Carbide of silicon, Crystalline. Carborundum Company. 46,691; re-renewed Oct. 3, 1945. O. G. Aug. 21.
Caustic alkali, calcium hypochlorite, ammonium persulphate, etc. Pennsylvania Salt Manufacturing Company. 415,863–4; Aug. 21; Serial Nos. 470,893–4; published Sept. 19, 1944.
Chemical preparation. Dolanize Company. 415,880; Aug. 21; Serial No. 473,660; published June 5, 1945.
Chemical preparation. Hands Bros. 415,899; Aug. 21; Serial No. 476,435; published June 12, 1945.
Chemical preparation. Hydrotex Industries. 415,882; Aug. 21; Serial No. 473,763; published Jan. 2, 1945.
Chemical preparation. Vapex Soot Destroyer. 415,977; Aug. 21; Serial No. 480,536; published June 12, 1945.
Chemical products. Wisconsin Chemical Products Company. 415,857; Aug. 21; Serial No. 466,188; published Feb. 6, 1945.
Chemotherapeutic agent, in powder form. Wm. S. Merrell Company. 415,940–1; Aug. 21; Serial Nos. 479,349–50; published June 12, 1945.
Cleaning compound, brake fluid, knee-action fluid, etc., Radiator. Oakes & Co. 416,042; Aug. 21.
Composition of matter used for the sizing of textile yarns, Powdered. L. Sonneborn Sons, Inc. 415,933; Aug. 21; Serial No. 478,910; published June 12, 1945.
Composition to be applied to or mixed with natural or synthetic rubber, plastics and resins. Firestone Tire & Rubber Company. 415,978; Aug. 21; Serial No. 480,539; published June 12, 1945.
Compound containing a vegetable product. National Healthaids, Inc. 415,980; Aug. 21; Serial No. 480,549; published June 12, 1945.
Cream and face powder, Toilet. E. L. Goodman. 416,017; Aug. 21; Serial No. 481,669; published June 12, 1945.
Creams and face creams, Hand. J. H. Mason. 416,007; Aug. 21; Serial No. 481,285; published June 5, 1945.
Creams and toilet preparations, Antiseptic. Dae Health Laboratories, Limited. 415,925; Aug. 21; Serial No. 478,571; published June 5, 1945.
Creams, cleansing creams, cold creams, etc. Helen Arlo, Inc. 415,855; Aug. 21; Serial No. 465,444; published Oct. 10, 1944.
Deodorant, Household. Belmont Laboratories. 416,037; Aug. 21.
Deodorant, Underarm. Grove Laboratories, Inc. 416,013; Aug. 21; Serial No. 481,411; published June 5, 1945.
Effervescent salt, Granular. Emerson Drug Company. 46,450; re-renewed Sept. 19, 1945. O. G. Aug. 21.
Fluid refrigerant. C. E. Quinn. 415,001; Aug. 21; Serial No. 481,026; published June 5, 1945.
Glycerine, cascara sagrada aromatic, preparations for colds, etc. C. B. Drug Sales Co. 415,889; Aug. 21; Serial No. 474,619; published June 12, 1945.
Insecticides. C. H. Lewis. 416,054; Aug. 21.
Insecticides, Andrew Wilson, Inc. 415,987; Aug. 21; Serial No. 480,636; published June 12, 1945.
Laundry sour, Diamond Alkali Company. 415,958–60; Aug. 21; Serial Nos. 480,167–9; published June 5, 1945.
Laundry sour, Diamond Alkali Company. 415,961; Aug 21; Serial No. 480,170; published June 12, 1945.
Laundry sour, Diamond Alkali Company. 415,962; Aug. 21; Serial No. 480,172; published June 5, 1945.
Lipsticks, R. L. Lagore. 415,902; Aug. 21; Serial No. 476,683; published June 5, 1945.
Mahonia trifoliata (an infusion of algerita root). Mafoliata Corporation. 415,919; Aug 21; Serial No. 478,234; published June 5, 1945.
Make-up, Facial. Associated Distributors, Inc. 416,045–6; Aug. 21.
Medicinal preparation. Cavendish Pharmaceutical Corp. 415,886; Aug. 21; Serial No. 474,191; published Dec. 19, 1944.
Medicinal preparation. Crescent Pharmacal Co. 204,912; renewed Oct. 27, 1945. O. G. Aug. 21.
Medicinal preparation. L. I. Weiner. 415,981; Aug. 21; Serial No. 480,556; published June 12, 1945.
Medicinal products containing vitamins and compounds of hydro fluoric acid. Ayerst, McKenna & Harrison Limited. 416,005; Aug. 21; Serial No. 481,204; published June 5, 1945.
Medicinal vitamin preparations. S. M. A. Corporation. 415,875; Aug. 21; Serial No. 472,908; published Oct. 24, 1944.

Oil and petroleum mahogany sulfonates, Liquid blend of mineral. L. Sonneborn Sons, Inc. 415,934; Aug. 21; Serial No. 478,911; published June 12, 1945.
Oils and emulsion agents, Liquid, blend of fatty. L. Sonneborn Sons, Inc. 415,932; Aug. 21; Serial No. 478,908; published June 12, 1945.
Oils, Cosmetic. Parfums Schiaparelli, Inc. 415,856; Aug. 21; Serial No. 465,687; published June 5, 1945.
Parenteral solutions for rehydrating and/or energizing the system. Schering & Glatz, Inc. 415,860; Aug. 21; Serial No. 470,121; published June 5, 1945.
Perfume, toilet water, sachet in perfumed containers, etc. L. Friedberg. 415,953; Aug. 21; Serial No. 480,016; published June 12, 1945.
Perfumery. S. S. Pierce Co. 204,963; renewed Oct. 27, 1945. O. G. Aug. 21.
Perfumes, Nips, Inc. 415,858; Aug. 21; Serial No. 467,669; published Nov. 21, 1944.
Perfumes, colognes, and skin creams and lotions. B. Visceglie. 415,930; Aug. 21; Serial No. 478,693; published June 12, 1945.
Perfumes, toilet water, face powder, etc. S. S. Pierce Co. 204,964–5; renewed Oct. 27, 1945. O. G. Aug. 21.
Powder, Medicated. Mennen Company. 415,851; Aug. 21; Serial No. 463,400; published June 12, 1945.
Powder, Dental. Corega Chemical Company. 416,056; Aug. 21.
Preparation for killing fleas, lice, sticktites, etc. R. H. Harkins. 415,998; Aug. 21; Serial No. 480,904; published June 5, 1945.
Preparation for medicinal and cosmetic treatment of the skin. A. T. Levy. 415,850; Aug. 21; Serial No. 463,077; published July 25, 1944.
Preparation for purifying air. A. Tumarkin. 416,055; Aug. 21.
Preparation for the treatment of airsickness and seasickness. White Laboratories, Inc. 415,937; Aug. 21; Serial No. 479,266; published June 12, 1945.
Preparation in powdered form, having antibiotic properties. Wm. S. Merrell Company. 415,939; Aug. 21; Serial No. 479,348; published June 12, 1945.
Preparation in tablet form, having antibiotic properties. Wm. S. Merrell Company. 415,942; Aug. 21; Serial No. 479,351; published June 12, 1945.
Preparation recommended for germicidal bactericidal, bacteriostatic, etc. Lehn & Fink Products Corporation. 415,896; Aug. 21; Serial No. 476,333; published June 12, 1945.
Preventive and medicinal preparation. C. J. Robert. 415,872; Aug. 21; Serial No. 472,589; published June 12, 1945.
Product containing 68% barium sulfate together with an inert excipient. Burroughs Wellcome & Co. (U. S. A.) Inc. 415,963; Aug. 21; Serial No. 480,222; published June 5, 1945.
Product used for filling and finishing silk. Onyx Oil & Chemical Company. 204,882; renewed Oct. 27, 1945. O. G. Aug. 21.
Remedy for catarrh, hay-fever, cold in the head, etc. Home Remedy & Supply Co. 47,456; re-renewed Nov. 7, 1945. O. G. Aug. 21.
Rinse, Hair. Ladds-Nessler Co. 416,059; Aug. 21.
Salts and bath perfumes, Bath. Hattie Carnegie, Inc. 416,052–3; Aug. 21.
Softener, Water. Quaker Chemical Products Corporation. 415,879; Aug. 21; Serial No. 473,333; published Dec. 19, 1944.
Spray concentrate for destroying roaches, water bugs, ants, etc. Dallas Chemical Sales Company. 416,016; Aug. 21; Serial No. 481,665; published June 12, 1945.
Stabilizer and emulsifying agent. Stein, Hall & Company. 415,867; Aug. 21; Serial No. 471,366; published Sept. 12, 1944.
Sulphite of soda. General Chemical Company. 204,750; renewed Oct. 27, 1945. O. G. Aug. 21.
Toilet and cosmetic products. Pond's Extract Company. 415,955; Aug. 21; Serial No. 480,086; published June 5, 1945.
Vitamin capsules and elixir. Meta Cine Company. 415,903; Aug. 21; Serial No. 476,685; published June 5, 1945.
Vitamin containing oils. Novins Company, Incorporated. 416,008; Aug. 21; Serial No. 481,287; published June 12, 1945.
Vitamin preparation. Grove Laboratories, Inc. 415,921; Aug. 21; Serial No. 478,276; published June 12, 1945.
Vitamine preparations. Mann Fine Chemicals Incorporated. 415,984; Aug. 21; Serial No. 480,601; published June 12, 1945.
Water, Florida. Lanman & Kemp-Barclay & Co. Incorporated. 47,457; re-renewed Nov. 7, 1945. O. G. Aug. 21.

CLASS 9

Discharger for pyrotechnic and the like signals and for machine gun rechargers. Eureka Vacuum Cleaner Company. 415,897; Aug. 21; Serial No. 476,360; published June 12, 1945.
Holsters, cartridge belts, holster belts, etc. George Lawrence Co. 416,031–2; Aug. 21.
Turrets, twin machine gun turrets, etc., Power gun. Higgins Industries, Inc. 415,944; Aug. 21; Serial No. 479,478; published June 5, 1945.

CLASS 10

Chemical fertilizer. Swift & Company. 415,950; Aug. 21; Serial No. 479,955; published June 5, 1945.

CLASS 11

Carbon paper, duplicator fluid and manifolding sets, Hectograph. Remington Rand Inc. 415,874; Aug. 21; Serial No. 472,712; published June 5, 1945.
Paper and typewriter ribbons, Carbon. Agency Paper Company. 415,943; Aug. 21; Serial No. 479,453; published June 12, 1945.
Paper, Carbon. Chemical Process Corporation. 200,373; renewed June 30, 1945. O. G. Aug. 21.

CLASS 12

Brick, Insulating fire. Robinson Clay Product Company. 416,020; Aug. 21; Serial No. 482,015; published June 12, 1945.
Buildings and hangars, Fabricated steel. Butler Manufacturing Company. 416,062; Aug. 21.
Fastening strips for all types of non-metallic boards, Metal. Sheetlock Company. 416,043; Aug. 21.
Linings of insulating material. Keystone Hair Insulator Company. 47,364; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Oxychloride, emulsified asphalt, etc., Magnesium. Kompolite Co., Inc. 415,927; Aug. 21; Serial No. 478,588; published June 12, 1945.
Pavements, Bituminous. Warren Brothers Company. 47,476; re-newed Nov. 7, 1945. O. G. Aug. 21.
Plaster, Beaver Products Company, Inc. 199,336; renewed June 9, 1945. O. G. Aug. 21.
Refractory articles and corrosion resistant articles. United States Quarry Tile Company. 415,852; Aug. 21; Serial No. 464,526; published June 12, 1945.
Roofing, Ready tar-and-felt. Barrett Manufacturing Company. 47,263; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Timbers, Fabricated structural. Henry Mill & Timber Company. 415,878; Aug. 21; Serial No. 473,251; published June 12, 1945.

CLASS 13

Handles and knobs, name plates, and push plates for doors, etc., Door. Bakelite Corporation. 204,844; renewed Oct. 27, 1945. O. G. Aug. 21.

CLASS 14

Copper, Refined. Orford Copper Company. 46,665; re-renewed Oct. 3, 1945. O. G. Aug. 21.
Railway-car castings. National Malleable Castings Company. 45,069; re-renewed Aug. 8, 1945. O. G. Aug. 21.

CLASS 15

Lubricants, anti-corrosive oils and greases, gun oils, etc., Oil and grease. American Oil & Supply Company. 416,040; Aug. 21.

CLASS 16

Colors in liquid and paste form, Tinting. Cincinnati Varnish Co. Inc. 415,946; Aug. 21; Serial No. 479,552; published June 12, 1945.
Enamels, Paint. J. E. Harris Company. 415,935; Aug. 21; Serial No. 479,037; published June 12, 1945.
Paint, Industrial asphalt. Witco Chemical Company. 415,969; Aug. 21; Serial No. 480,267; published June 12, 1945.
Paint, paint enamel, varnish, etc., Ready-mixed. Vita-Var Corporation. 415,888; Aug. 21; Serial No. 474,562; published June 5, 1945.
Paints and paste paints, Ready-mixed. James B. Sipe & Company. 200,593; renewed July 7, 1945. O. G. Aug. 21.
Paints, Ready-mixed. O. Fitzpatrick. 201,323; renewed July 21, 1945. O. G. Aug. 21.
Wax, Floor. Columbia-Bedford Corporation. 415,871; Aug. 21; Serial No. 471,897; published June 5, 1945.
Wax preparation, Self-polishing high luster. International Chemical Company. 415,967–8; Aug. 21; Serial Nos. 480,242–3; published June 12, 1945.

CLASS 17

Tobacco, Smoking. John Middleton, Inc. 416,028; Aug. 21.

CLASS 19

Trucks, Motor. International Motor Company. 205,100; renewed Nov. 3, 1945. O. G. Aug. 21.

CLASS 21

Bases for electric lamps, Lamp. R. Wagner. 415,908; Aug. 21; Serial No. 477,170; published June 12, 1945.
Plates or stoves, Electric hot. Hill-Shaw Company. 416,009; Aug. 21; Serial No. 481,325; published June 12, 1945.
Sets, Radio receiving. Pleasantaire Corporation of America. 416,011; Aug. 21; Serial No. 481,382; published June 12, 1945.

CLASS 22

Golf clubs, golf balls, tennis rackets, etc. Frank L. Slazenger Corporation. 202,555; renewed Aug. 25, 1945. O. G. Aug. 21.

Parlor game. J. U. Bihl. 415,936; Aug. 21; Serial No. 479,107; published June 12, 1945.
Toy die-cut cardboard caricature figures. King, Larson & McMahon. 415,922; Aug. 21; Serial No. 478,393; published June 12, 1945.
Toy tops. Kendor Company. 415,917; Aug. 21; Serial No. 478,004; published June 12, 1945.

CLASS 23

Bags, Pressure. H. S. Aaronson. 415,952; Aug. 21; Serial No. 480,005; published June 5, 1945.
Centrifugal machines. Sharples Specialty Co. 200,389; renewed June 30, 1945. O. G. Aug. 21.
Cultivators, Farm and garden. Union Fork & Hoe Company. 416,065; Aug. 21.
Engines, Marine. Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated. 47,360; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Filters, Oil. Purolator Products, Inc. 416,004; Aug. 21; Serial No. 481,191; published June 12, 1945.
Gears and automatic cut-off controls, Reverse. Transportation Devices Corporation. 204,566; renewed Oct. 20, 1945. O. G. Aug. 21.
Harvesters, Beet. Blackwelder Iron Works. 415,000; Aug. 21; Serial No. 481,008; published June 12, 1945.
Machinery and implements, Farm. Schmechel & Schubert Mfg. Co. 199,137; renewed June 2, 1945. O. G. Aug. 21.
Pumps and pumping machinery and parts thereof, Steam and power. American Steam Pump Company. 199,090; renewed June 2, 1945. O. G. Aug. 21.
Scissors, sewing scissors, pocket scissors, etc., Household. Rex Cutlery Corporation. 416,006; Aug. 21; Serial No. 481,192; published June 12, 1945.
Tools and tool accessories, Metal working. Ex-Cell-O Corporation. 416,015; Aug. 21; Serial No. 481,574; published June 12, 1945.

CLASS 26

Drawing instruments. Keuffel & Esser Company. 415,991; Aug. 21; Serial No. 480,704; published June 5, 1945.
Frames, Eyeglass. Zylite Optical Co., Inc. 415,892; Aug. 21; Serial No. 475,675; published May 2, 1945.
Measuring or testing machines. Grant Advertising, Inc. 416,019; Aug. 21; Serial No. 481,784; published June 5, 1945.
Optical frames. Vogue Optical Mfg. Company. 415,986; Aug. 21; Serial No. 480,635; published June 5, 1945.
Printing-films. B. Day. 47,145; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Scales, Weighing. Continental Scale Works. 200,948; renewed July 14, 1945. O. G. Aug. 21.
Spectacles. Barrett Plastic Products, Inc. 415,957; Aug. 21; Serial No. 480,153; published May 29, 1945.
Tape, Weighted reeled. Senco, Incorporated. 415,985; Aug. 21; Serial No. 480,623; published May 29, 1945.

CLASS 27

Watches. Horowitz & Son, Inc. 415,979; Aug. 21; Serial No. 480,544; published June 12, 1945.
Watches and watch movements. Adolphe Schwob, Inc. 201,720; renewed Aug. 4, 1945. O. G. Aug. 21.

CLASS 28

Flatware, Silver plated. Oneida Ltd. 415,996; Aug. 21; Serial No. 480,873; published June 12, 1945.

CLASS 31

Filters, Oil. Hilliard Corporation. 415,900; Aug. 21; Serial No. 476,560; published June 12, 1945.

CLASS 32

Cabinets, Card index. Acme Visible Records, Inc. 416,070; Aug. 21.
Furniture, Household. Camden Furniture Company. 416,033; Aug. 21.
Mattresses, Wire. Moore Company. 198,496; renewed May 19, 1945. O. G. Aug. 21.
Pillows. L. Buchman Co., Inc. 416,069; Aug. 21.
Racks, Clothes. Levine & Solomon. 201,732; renewed Aug. 4, 1945. O. G. Aug. 21.

CLASS 34

Lamps, Oil. Rubicon. 415,945; Aug. 21; Serial No. 479,527; published June 12, 1945.
Lighters, flint, and wicks, Pyrophoric. J. Kohn. 415,926; Aug. 21; Serial No. 478,586; published June 12, 1945.
Plates or stoves, Gas hot. Hill-Shaw Company. 416,010; Aug. 21; Serial No. 481,326; published June 12, 1945.
Tubes, Welded and seamless metallic. Babcock & Wilcox Tube Company. 415,862; Aug. 21; Serial No. 470,553; published June 12, 1945.

CLASS 35

Gaskets, sealing gaskets, resilient rubber bushings, etc., Rubber composition valve. General Tire & Rubber Company. 415,849; Aug. 21; Serial No. 459,196; published June 12, 1945.
Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 415,982–3; Aug. 21; Serial Nos. 480,592–3; published June 12, 1945.
Packing for parts of machinery. Charleston Metallic Packing Co. 44,628; re-renewed July 18, 1945. O. G. Aug. 21.
Piston-packing. Charleston Metallic Packing Co. 44,502; re-renewed July 11, 1945. O. G. Aug. 21.

CLASS 36

Phonographs and parts thereof and supplies therefor. Brunswick-Balke-Collender Company. 205,099; renewed Nov. 3, 1945. O. G. Aug. 21.
Violin bridges, keys, stops, bows, etc. Bakelite Corporation. 205,096; renewed Nov. 3, 1945. O. G. Aug. 21.

CLASS 37

Cards, Record. Vertical Visible Records Corporation. 415,859; Aug. 21; Serial No. 470,011; published July 25, 1944.
Film composed of synthetic resinous material, Translucent sheet. Di-Noc Manufacturing Company. 415,915; Aug. 21; Serial No. 477,920; published June 12, 1945.
Machines, tackers, and pliers of the hand operated type, etc., Stapling. Speed Products Company. 416,025; Aug. 21.
Paper, air mail envelopes, printing paper, etc., Air mail. Agency Paper Company. 415,989; Aug. 21; Serial No. 480,686; published June 12, 1945.
Paper, air mail envelopes, printing paper, etc., Air mail. Agency Paper Company. 415,990; Aug. 21; Serial No. 480,688; published June 12, 1945.
Paper and printing paper, Writing. International Paper Company. 202,229; renewed Aug. 18, 1945. O. G. Aug. 21.
Paper, Envelope. International Paper Company. 199,723; renewed June 16, 1945. O. G. Aug. 21.
Pens, penholders, fountain-pens. Spencerian Pen Company. 47,397; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Towels, Paper. Continental Paper & Bag Mills Corporation. 202,650; renewed Sept. 1, 1945. O. G. Aug. 21.

CLASS 39

Bloomers, Sanitary. I. B. Kleinert Rubber Company. 200,101; renewed June 23, 1945. O. G. Aug. 21.
Capes, bibs, and dental aprons, Shampoo. H. Zisson. 415,913; Aug. 21; Serial No. 477,831; published May 29, 1945.
Coats and suits; fur coats, etc., Women's fabric. Dollsworth & Co., Inc. 415,924; Aug. 21; Serial No. 478,420; published June 5, 1945.
Coats, Ladies' and misses'. Western Garment Company. 415,988; Aug. 21; Serial No. 480,683; published June 12, 1945.
Coats, overcoats, jackets, etc., Men's and boys' top. Cavendish Trading Corporation. 415,904; Aug. 21; Serial No. 476,719; published June 5, 1945.
Coats, vests, pants, and overcoats, Men's. Rosenberg Bros. & Co. 204,829; renewed Oct. 27, 1945. O. G. Aug. 21.
Dresses and suits, Ladies', misses', and junior. Apex Dress Co. Inc. 415,974; Aug. 21; Serial No. 480,492; published June 12, 1945.
Dresses, coats, and hats, Ladies', misses', and children's. Parents' Institute, Inc. 415,910; Aug. 21; Serial No. 477,577; published June 12, 1945.
Gloves, Wool and cotton. Becopa Glove Mills. 415,912; Aug. 21; Serial No. 477,758; published June 5, 1945.
Hosiery. Tat Hosiery Mills. 415,898; Aug. 21; Serial No. 476,409; published June 12, 1945.
Jackets and shirts, Men's and women's sport. Solomon Bros. Co. 415,992–3; Aug. 21; Serial Nos. 480,717–18; published June 12, 1945.
Neckties. Stern, Merritt Co. Inc. 415,923; Aug. 21; Serial No. 478,413; published May 29, 1945.
Negligees, Misses' and ladies'. Raymode Negligee, Inc. 415,976; Aug. 21; Serial No. 480,522; published June 12, 1945.
Overalls and men's pants. Commerce Manufacturing Company, Inc. 415,997; Aug. 21; Serial No. 480,891; published June 12, 1945.
Overcoats, coats, vests, etc., Men's and children's. Myers & Andrews. 44,985; re-renewed Aug. 1, 1945. O. G. Aug. 21.
Pants and sanitary bloomers, Baby. I. B. Kleinert Rubber Company. 199,156; renewed June 2, 1945. O. G. Aug. 21.
Shirts and boys' blouses, Men's and boys' dress and negligee. Elder Manufacturing Company. 204,741; renewed Oct. 27, 1945. O. G. Aug. 21.
Shirts and dress-shirts, Outer. Cluett, Peabody & Co. 47,357; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Shirts, Men's and boys' dress and negligee. Elder Manufacturing Company. 204,572; renewed Oct. 20, 1945. O. G. Aug. 21.
Shirts, Men's and boys' dress and negligee. Elder Manufacturing Company. 204,769; renewed Oct. 27, 1945. O. G. Aug. 21.
Shoes. Ped-Agree Shoe Co. 415,909; Aug. 21; Serial No. 477,239; published June 12, 1945.
Shoes, Leather, rubber, and fabric. Dr. A. Posner Shoes, Inc. 415,971; Aug. 21; Serial No. 480,299; published June 5, 1945.
Shoes, Men's. J. P. Smith Shoe Company. 415,931; Aug. 21; Serial No. 478,768; published June 5, 1945.

Shoes, Men's, women's, and chilldren's. Brown Shoe Company. 415,873; Aug. 21; Serial No. 472,631; published Oct. 24, 1944.
Shoes, Women's. Carolyn Shoes. 415,914; Aug. 21; Serial No. 477,834; published June 5, 1945.
Sportswear for men and young men. Truval Manufacturers, Inc. 415,994; Aug. 21; Serial No. 480,724; published June 12, 1945.

CLASS 40

Combs. Sterling Plastics Co. 415,951; Aug. 21; Serial No. 480,001; published June 12, 1945.
Ornaments, Lapel. E. S. Gravitt. 415,901; Aug. 21; Serial No. 476,609; published May 29, 1945.
Shields, Dress. I. B. Kleinert Rubber Company. 200,299–300; renewed June 30, 1945. O. G. Aug. 21.

CLASS 41

Handles for canes, umbrellas, and parasols. Bakelite Corporation. 204,845; renewed Oct. 27, 1945. O. G. Aug. 21.

CLASS 42

Cloth, untreated airplane cloth, and balloon cloth, Doped airplane. Sherwin-Williams Company. 415,883; Aug. 21; Serial No. 473,837; published June 12, 1945.
Cotton fabrics, Woven. Minot, Hooper & Co. 45,826; re-renewed Aug. 29, 1945. O. G. Aug. 21.
Cotton fabrics, Woven. Minot, Hooper & Co. 45,895; re-renewed Aug. 29, 1945. O. G. Aug. 21.
Cotton piece goods. Reeves Brothers, Inc. 415,928; Aug. 21; Serial No. 478,597; published May 1, 1945.
Curtains, bed spreads, and drapes. Savoy Curtain Corp. 415,846; Aug. 21; Serial No. 452,363; published June 5, 1945.
Drilling. Minot, Hooper & Co. 45,762; re-renewed Aug. 29, 1945. O. G. Aug. 21.
Fabrics in the piece. Wullschleger & Co. 415,870; Aug. 21; Serial No. 471,721; published June 12, 1945.
Fabrics in the piece of wool, cotton, silk, etc. Wullschleger & Co. 415,869; Aug. 21; Serial No. 471,719; published June 5, 1945.
Fabrics, Knitted. A-Q Mills. 415,881; Aug. 21; Serial No. 473,713; published June 12, 1945.
Knitted piece goods. A-Q Mills. 415,865; Aug. 21; Serial No. 470,952; published May 29, 1945.
Piece goods. American Woolen Company. 415,876; Aug. 21; Serial No. 473,011; published Dec. 12, 1944.
Piece goods. Wenzel Proprietary Limited. 415,885; Aug. 21; Serial No. 474,182; published June 12, 1945.
Piece goods and shirtings. Cluett, Peabody & Co., Inc. 415,905; Aug. 21; Serial No. 476,754; published June 5, 1945.
Piece goods of cotton, rayon, and/or silk or combinations thereof. Cohn-Hall-Marx Co. 415,956; Aug. 21; Serial No. 480,104; published June 5, 1945.
Piece goods of rayon. Goldenbro Fabrics, Inc. 415,861; Aug. 21; Serial No. 470,446; published June 5, 1945.
Sheetings. Minot, Hooper & Co. 46,126; re-renewed Sept. 5, 1945. O. G. Aug. 21.
Sheetings and drillings. Minot, Hooper & Co. 46,268; re-renewed Sept. 12, 1945. O. G. Aug. 21.
Sheetings and drillings, Bleached, brown, and colored cotton. J. L. Salter. 47,337; re-renewed Oct. 1, 1945. O. G. Aug. 21.
Sheetings, Cotton. Jackson Company. 27,176; re-renewed Nov. 5, 1945. O. G. Aug. 21.
Textile piece goods. Columbus Coated Fabrics Corporation. 415,854; Aug. 21; Serial No. 465,411; published Aug. 22, 1944.
Woolen piece goods. Forstmann & Huffmann Company. 199,150–2; renewed June 2, 1945. O. G. Aug. 21.
Woolen piece goods. Forstmann & Huffmann Company. 199,845; renewed June 16, 1945. O. G. Aug. 21.
Woolen piece goods. Forstmann & Huffmann Company. 199,905; renewed June 23, 1945. O. G. Aug. 21.

CLASS 43

Thread, Linen. Barbour Flax Spinning Cmpany. 201,535; renewed July 28, 1945. O. G. Aug. 21.
Threads and yarns of synthetic organic or plastics. Firestone Tire & Rubber Company. 415,975; Aug. 21; Serial No. 480,507; published June 5, 1945.
Threads, yarns, and cottons. T. Buettner & Co., Inc. 199,158; renewed June 2, 1945. O. G. Aug. 21.

CLASS 44

Dental plaster and surgical plaster of Paris. Certain-teed Products Corporation. 199,755; renewed June 16, 1945. O. G. Aug. 21.
Mitts, Abrasive. Hollywood Products Company. 416,066; Aug. 21.
Oxygen tents and oxygen masks. E. J. Barach. 415,929; Aug. 21; Serial No. 478,676; published June 12, 1945.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. C. G. Armstrong. 202,201; renewed Aug. 18, 1945. O. G. Aug. 21.

CLASS 46

Almonds. Rosenberg Bros. & Co. 415,848; Aug. 21; Serial No. 457,481; published July 18, 1944.
Apples. A. Rohaut. 415,911; Aug. 21; Serial No. 477,748; published June 12, 1945.
Apples, strawberries, blueberries, etc., Frozen. Deerfield Packing Corporation. 416,038; Aug. 21.
Candies and candied fruits. D. Arnould. 47,136; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Candies and shelled and unshelled nuts. J. H. Middlebrooks. 416,049; Aug. 21.
Candy. Schutter Candy Company. 415,890; Aug. 21; Serial No. 475,132; published June 12, 1945.
Candy, bonbons, caramels, etc., Sugar. Compania Azucarera Central Toledo, S. A. 416,061; Aug. 21.
Canned fish. Commando Packing Company. 416,021; Aug. 21; Serial No. 482,048; published June 12, 1945.
Canned fish. Fred B. Neuhoff Company. 416,022; Aug. 21; Serial No. 482,067; published June 12, 1945.
Canned fruits. G. W. Hume Company. 204,707; re-renewed Oct. 20, 1945. O. G. Aug. 21.
Chocolate, cocoa, and preparations thereof. Henry L. Pierce. 27,056–7; re-renewed Sept. 10, 1945. O. G. Aug. 21.
Coffee. Grand Union Tea Co. 46,833; re-renewed Oct. 10, 1945. O. G. Aug. 21.
Dog food. Indian Dairies Corporation. 416,024; Aug. 21; Serial No. 482,157; published June 12, 1945.
Feeds, Live-stock, cattle and poultry. W. D. Holterman. 415,895; Aug. 21; Serial No. 476,018; published June 12, 1945.
Flour, Plain and self-rising. Mountain City Mill Co., Inc. 202,668; renewed Sept. 1, 1945. O. G. Aug. 21.
Flour, Plain and self-rising wheat. Geo. P. Plant Milling Company. 202,687; renewed Sept. 1, 1945. O. G. Aug. 21.
Flour, Wheat. Wilcox-Hayes Company. 199,944; renewed June 23, 1945. O. G. Aug. 21.
Flour, Wheat. Wilcox-Hayes Company. 200,283; renewed June 30, 1945. O. G. Aug. 21.
Food, Dog. Arbee Food Products Co. 416,914; Aug. 21; Serial No. 481,450; published May 29, 1945.
Food product. Cumberland Dairy Products Co. Inc. 416,034; Aug. 21.
Fruits, Fresh citrus. Lake Byrd Citrus Packing Co. 415,877; Aug. 21; Serial No. 473,149; published June 12, 1945.
Fruits, fresh grapes and fresh vegetables, Fresh deciduous. R. M. Wright. 415,970; Aug. 21; Serial No. 480,268; published June 12, 1945.
Horse radish, horse radish relish, cocktail sauce, etc. H. Tulkoff. 416,047; Aug. 21.
Ice cream mix. Homix Products, Inc. 415,972; Aug. 21; Serial No. 480,374; published June 12, 1945.
Meat products. Mayer, Oscar, & Co. 415,884; Aug. 21; Serial No. 474,087; published May 29, 1945.
Mustard. Old Dutch Mustard Co., Inc. 416,023; Aug. 21; Serial No. 482,069; published June 12, 1945.
Pickles, sandwich spread, mayonnaise, etc. Panzer Packing Co., Inc. 416,057; Aug. 21.
Pie-fillings. H. A. Johnson & Co. 47,273; re-renewed Oct. 31, 1945. O. G. Aug. 21.
Pork, pork hocks, tripe, etc., Fresh. John Morell & Co. 415,906; Aug. 21; Serial No. 476,977; published June 5, 1945.
Potato chips. F. J. Mann. 416,068; Aug. 21.
Sauce, Cream. B. Greenberg. 416,041; Aug. 21.
Sausage. Oscar Mayer & Co. 416,050; Aug. 21.
Soup mix. Dry-Pack Corporation. 415,887; Aug. 21; Serial No. 474,275; published June 12, 1945.
Spices. Grand Union Tea Co. 46,705; re-renewed Oct. 3, 1945. O. G. Aug. 21.
Tapioca. L. Gordon. 415,995; Aug. 21; Serial No. 480,767; published May 29, 1945.
Tea. Ridgeways Limited. 415,918; Aug. 21; Serial No. 478,057; published June 5, 1945.
Tea extract blended with carbohydrates, Powdered soluble. Nestle's Milk Products, Inc. 415,948; Aug. 21; Serial No. 479,752; published June 12, 1945.
Teas. Grand Union Tea Co. 46,832; re-renewed Oct. 10, 1945. O. G. Aug. 21.
Vegetables, Fresh. Farley Fruit Company. 415,866; Aug. 21; Serial No. 471,150; published Sept. 26, 1944.
Vegetables, Fresh. H. B. Tabb. 416,012; Aug. 21; Serial No. 481,388; published May 29, 1945.
Vegetables, Canned. Iowa Canning Company. 416,027; Aug. 21.
Vegetables, Canned. King Pharr Canning Operations. 416,067; Aug. 21.
Wheat-flour. Thornton & Chester Milling Co. 47,208; re-renewed Oct. 31, 1945. O. G. Aug. 21.

CLASS 49

Whiskies, gin, brandy, etc. James Walsh & Co. Inc. 416,063; Aug. 21.

CLASS 50

Lamps. H. Rubin. 416,058; Aug. 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city aud telephone directory practice).

Gallo, Sebastiano, Brooklyn, N. Y. Making shoes. Re. 22,667; Aug. 21.
Mack Manufacturing Corporation: *See*—
Zeller, Theodore J., assignor.
Paget, William W., Newark, N. J. Safety tank and fuel system for aircraft. Re. 22,668; Aug. 21.
Zeller, Theodore J., Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Power operated clutch mechanism. Re. 22,669; Aug. 21.

LIST OF DESIGN PATENTEES

American Floor Surfacing Machine, The: *See*—
Vavrik, Louis, assignor.
Anthony, Ralph M., Detroit, Mich. Toy fortress. 142,250; Aug. 21.
Atkinson, Elmer E., Mesquite, Tex. Wheeled toy. 142,208; Aug. 21.
Bradbury, Clarence M., Brooklyn, N. Y. Insignia pin or similar article. 142,209; Aug. 21.
Brittingham, Vertner D., West Dearborn, Mich. Playing card distributor. 142,270; Aug. 21.
Brown, Theophilus: *See*—
Dreyfuss, H., and Brown.
Brown, Theophilus, Moline, Ill., and H. Dreyfuss, New York, N. Y., assignors to Deere & Company, Moline, Ill. Tractor. 142,251; Aug. 21.
Brunschwig, Adrien, New York, N. Y. Combined cigarette and ashtray case or the like. 142,271; Aug. 21.
Bugg, Kenly C., Fort Wayne, Ind. Smoker's pipe. 142,280; Aug. 21.
Campbell, William J., assignor to Climax Machinery Company, Indianapolis, Ind. Fan casing. 142,252; Aug. 21.
Cash, Cecil C., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Rocking horse. 142,210; Aug. 21.
Climax Machinery Company: *See*—
Campbell, William J., assignor.
Coro, Inc.: *See*—
Katz, Adolph, assignor.
Deere & Company: *See*—
Brown, T., and Dreyfuss, assignors.
Dreyfuss, H., and Brown, assignors.
Dernehl, Herbert U., Milwaukee, Wis. Bottle carrier. 142,272; Aug. 21.
Diamond Match Company, The: *See*—
Stensgaard, William L., assignor.
Douglas, Peyton W., Brighton, N. Y. Baby bath. 142,253; Aug. 21.
Dreyfuss, Henry: *See*—
Brown, T., and Dreyfuss.
Dreyfuss, Henry, New York, N. Y., and T. Brown, assignors to Deere & Company, Moline, Ill. Tractor housing. 142,254; Aug. 21.
Eckles, Howard W.: *See*—
Lindberg, C. A., and Eckles.
Ekco Products Company: *See*—
Glass, Henry P., assignor.
Emerson Electric Manufacturing Company, The: *See*—
Lindberg, C. A., and Eckles, assignors.
Ferriso, John D., Brooklyn, N. Y. Slipper. 142,281; Aug. 21.
Frost, Ray T., assignor to Plas-Tex Corporation, West Hollywood, Calif. Straining funnel combination unit. 142,255; Aug. 21.
Glass, Henry P., assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 142,256; Aug. 21.
Glukes, Bernard R., Los Angeles, Calif. Table. 142,211; Aug. 21.
Goldberg, Beatrice, Brooklyn, N. Y. Sun visor. 142,237; Aug. 21.
Gruver, Dewey D., Little Rock, Ark. Game board. 142,212; Aug. 21.
Guth, Stern & Co., Inc.: *See*—
Lippincott, Joshua G., assignor.
Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Motor for operating movable parts of an airplane. 142,273; Aug. 21.
Hiestand, Martha P., Princeton, Wis. House slipper. 142,282; Aug. 21.
Hill, Chinneth, Victoria, Va. Submarine tank. 142,247; Aug. 21.
Hirsch, Max, New York, N. Y. Baby food warmer. 142,283; Aug. 21.
Honeycutt, Joseph W., Kannapolis, N. C. Tax form device. 142,238; Aug. 21.
Horowitz, Alex, Binghamton, N. Y. Rocking toy or similar article. 142,257; Aug. 21.
Interstate Aircraft and Engineering Corp.: *See*—
Schuler, Carl J., assignor.
Jack & Heintz, Inc.: *See*—
Heintz, Ralph M., assignor.
Jenkins, Frances R., Baxter Springs, Kans. Doll. 142,213; Aug. 21.
Jones, Arthur E., assignor to Posture Research Corporation, Elkhart, Ind. Chair. 142,239; Aug. 21.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 142,214; Aug. 21.
Kaufman, Samuel, Boston, Mass. Watch strap or similar article. 142,215; Aug. 21.
Keating, Martin C., Burbank, Calif. Desk ornament. 142,284; Aug. 21.
Kelly, Joseph A., New York, N. Y. Luminous pendant or similar article. 142,285; Aug. 21.
Kohen, Jack J., South Bend, Ind. Clothes hamper. 142,274; Aug. 21.
Kohen, Jack J., South Bend, Ind. Clothes hamper. 142,275; Aug. 21.
Kuffel, Lambert A., Chicago, Ill. Radio dial. 142,216; Aug. 21.
Kuffel, Lambert A., Chicago, Ill. Radio dial. 142,258; Aug. 21.
Kuffel, Lambert A., Chicago, Ill. Radio dial. 142,259; Aug. 21.
Lannon, Maurice F. and M. E., North Hollywood, Calif. Button. 142,217; Aug. 21.
Lannon, Mildred E.: *See*—
Lannon, Maurice F. and M. E.
Latshaw, Fred F., Altadena, Calif. Safety view mirror. 142,248; Aug. 21.
Leduc, Marcel, Rochester, N. Y. Combined bottle and container. 142,276; Aug. 21.
Lee, Bert, Sacramento, Calif. Fan propeller. 142,260; Aug. 21.
Lelgemann, William, Grill, Pa. Fluid fuel burning steam and hot water generating unit. 142,218; Aug. 21.
Lewyt Corporation: *See*—
Meyerhoefer, Carl E., assignor.
Lindberg, Caryl A., Glendale, and H. W. Eckles, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Heater or the like. 142,219; Aug. 21.
Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight. 142,277; Aug. 21.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 142,240; Aug. 21.
Lyons, Paul C., Union City, Pa. Block for use in applying tire chains. 142,220; Aug. 21.
Mayer, John L., Kansas City, Mo. Refuse bag holder. 142,286; Aug. 21.
McMillan, James O., and R. E. Parker, Wichita, Kans. Pocket lighter. 142,241; Aug. 21.
Meyerhoefer, Carl E., Brooklyn, N. Y., assignor to Lewyt Corporation. Ironing table. 142,261; Aug. 21.
Miller, Herschael W., Davenport, Iowa. Kitchen cabinet. 142,242; Aug. 21.
Miller, Herchael W., Davenport, Iowa. Kitchen cabinet. 142,243; Aug. 21.
Miller, Willis H., Dallas, Tex. Light shade or similar article. 142,287; Aug. 21.
Moeller, William C., assignor to A. F. Parmalee, doing business as United States Safety Service Co., Kansas City, Mo. Eye shield front. 142,221; Aug. 21.
Montgomery Ward & Co., Incorporated: *See*—
Cash, Cecil C., assignor.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,222; Aug. 21.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,223; Aug. 21.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,224; Aug. 21.
Morrow, Frank, Scituate, R. I. Jewelry pin or similar article. 142,225; Aug. 21.

Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,288; Aug. 21.
Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,289; Aug. 21.
Morrow, Frank, Johnston, R. I. Earring. 142,290; Aug. 21.
Morrow, Frank, Johnston, R. I. Jewelry pin or similar article. 142,292; Aug. 21.
Mueller, Arnold H., Monroe, Wis. Calculator. 142,226; Aug. 21.
National Silver Company: *See*—
Summon, Shirley, assignor.
Newman, Alexander L., River Forest, assignor to Precision Scientific Co., Chicago, Ill. Gas analyzing apparatus. 142,227; Aug. 21.
Paden, Frederick T., Collingswood, N. J. Combined field desk and trunk. 142,262; Aug. 21.
Parker, Ralph E.: *See*—
McMillan, J. O., and Parker.
Parmalee, A. F., et al.: *See*—
Moeller, William C., assignor.
Pierre, Léo, Hampton, Va. Combination tool. 142,263; Aug. 21.
Plas-Tex Corporation: *See*—
Frost, Ray T., assignor.
Posture Research Corporation: *See*—
Jones, Arthur E., assignor.
Powell, Frank, Miami, Fla. Brooch or similar article. 142,278; Aug. 21.
Precision Scientific Co.: *See*—
Newman, Alexander L., assignor.
Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Cooking vessel or article of similar nature. 142,244; Aug. 21.
Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Handle for cooking vessels and the like. 142,245; Aug. 21.
Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Side handle or lift for cooking vessels and the like. 142,264; Aug. 21.
Renaud, Lucien, St. Albans, assignor to Roger & Gallet, New York, N. Y. Lipstick container or the like. 142,228; Aug. 21.
Roach, Elmer R., Mount Vernon, Ill. Toy automobile. 142,229; Aug. 21.
Roger & Gallet: *See*—
Renaud, Lucien, assignor.
Saks, Leslie, New York, N. Y. Watch case cover. 142,230; Aug. 21.
Schmidt, Melvin F., Saginaw, Mich. Housing of a two-cycle gas engine. 142,279; Aug. 21.
Schuler, Carl J., Los Angeles, Calif., assignor to Interstate Aircraft and Engineering Corp. Gun charger. 142,246; Aug. 21.
Snap-On Tools Corporation: *See*—
Walraven, George M., assignor.
Snoke, Clarence R., Berkley, Mich. Combined bread and butter tray. 142,231; Aug. 21.
Snoke, Clarence R., Berkley, Mich. Combined bread and butter tray. 142,232; Aug. 21.
Stanton, Dorothy P., Norfolk, Va. Deportment calendar. 142,265; Aug. 21.
Stensgaard, William L., Chicago, Ill., assignor to The Diamond Match Company. Display figure. 142,233; Aug. 21.
Sudbrink, Harold J., Woodside, N. Y. Ring. 142,234; Aug. 21.
Summon, Shirley, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 142,291; Aug. 21.
United States Safety Service Co. et al.: *See*—
Moeller, William C., assignor.
Vandeventer, Anna E., Riverside, Calif. Combination crib and cabinet. 142,266; Aug. 21.
Vavrik, Louis, Rossford, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary power hand saw. 142,235; Aug. 21.
Vining, Wesley K., Daytona Beach, Fla. Clothespin. 142,249; Aug. 21.
Walraven, George M., assignor to Snap-On Tools Corporation, Kenosha, Wis. Screwdriver or similar article. 142,267; Aug. 21.
Wemyss, Robert B., Louisville, Ky. Counter display for packaged commodities. 142,268; Aug. 21.
West Bend Aluminum Company: *See*—
Ramsthal, Alfred F., assignor.
Wheatley, Charles S., Boston, Mass. Gun or similar article. 142,269; Aug. 21.
Williams, William G., Anaheim, Calif. Game board. 142,236; Aug. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, George, Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric power transmitter. 2,383,103; Aug. 21.
Abernethy, John, Barberton, Ohio, assignor to The Babcock & Wilcox Company. Jersey City, N. J. Door latching mechanism. 2,383,032; Aug. 21.
Adams, Elmer W., Hammond, Ind., and G. W. Flint, assignors to Standard Oil Company, Chicago, Ill. Lubricants. 2,383,033; Aug. 21.
Adel Precision Products Corp.: *See*—
Ellinwood, Herman R., assignor.
Kitts, William, assignor.
Plumb, George W., assignor.
Ahlberg, Jacob E., and C. L. Thomas, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,382,951; Aug. 21.
Alcumbrack, Lyle: *See*—
Wilson, Robert C., assignor.
Alexandrou, Constantine, Brooklyn, N. Y. Steam boiler. 2,383,034; Aug. 21.
Allen Property Custodian: *See*—
Maurer, F., and Laquay.
Allen, Archie A., assignor to Kirsch Company, Sturgis, Mich. Curtain rod or drapery fixture. 2,383,104; Aug. 21.
Allen, Kenneth C.: *See*—
Meeker, D. A., and Allen.
Allied Chemical & Dye Corporation: *See*—
Cline, Edwin L., assignor.
Allis-Chalmers Manufacturing Company: *See*—
Appel, Oswald A., assignor.
Aluminum Company of America: *See*—
Willmore, C. B., and Chew, assignors.
Amari, Jasper J.: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr.
American Air Filter Company, Inc.: *See*—
Dahlman, Verner, assignor.
American Cyanamid Company: *See*—
Booth, Robert B., assignor.
Hultquist, Martin E., assignor.
Jaeger, A. O., and Lynch, assignors.
Kienle, R. H., and Amick, assignor.
Lacey, H. T., and Brouillard, assignors.
Lecher, H. Z., and Dixon, assignors.
Lecher, H. Z., Parker, and Long, assignors.
Parker, R. P., and Hill, assignors.
Pinco, Orrin W., assignor.
Shurcliff, William A., assignor.
American Locomotive Company: *See*—
Kindervater, Julius, assignor.
American Machine and Foundry Company: *See*—
Rundell, Rupert E., assignor.
American Optical Company: *See*—
Eaton, W. C., and Leduc, assignors.
Splaine, Edward M., assignor.
American Steel Foundries: *See*—
Lehrman, Leo A., assignor.
American Viscose Corporation: *See*—
Crewdson, Henry, assignor.
Amick, Chester A.: *See*—
Kienle, R. H., and Amick.
Anchor Hocking Glass Corporation: *See*—
Nairn, George P., assignor.
Anderton, Edward C., Tappahannock, Va. Nutlock. 2,383,231; Aug. 21.
Andrews Company: *See*—
Coddington, Howard O., assignor.
Anglo-Iranian Oil Company Limited: *See*—
Evans, N., and Docksey, assignors.
Anthony, Stanley, Boston, Mass. Trouser hanger. 2,382,964; Aug. 21.
Appel, Oswald A., Spokane, Wash., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Harvester-thresher and the like. 2,382,965; Aug. 21.
Arens, Charles A., assignor to Arens Controls, Inc., Chicago, Ill. Transmission cable. 2,382,966; Aug. 21.
Arens Controls, Inc.: *See*—
Arens, Charles A., assignor.
Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mechanical governor for internal-combustion engines. 2,382,952; Aug. 21.
Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Synchronizing device. 2,383,360; Aug. 21.
Automatic Electric Laboratories, Inc.: *See*—
Herrick, Roswell H., assignor.
Autophon Aktiengesellschaft: *See*—
Tschumi, Otto, assignor.
Auxier, Robert W., Pittsburgh 21, and W. C. Weltman, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing phenolic resins. 2,383,283; Aug. 21.
Ayres, Waldemar A., Flushing, assignor to The Lionel Corporation, New York, N. Y. Toy. 2,383,232; Aug. 21.
Babcock & Wilcox Company, The: *See*—
Amernethy, John, assignor.
Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cage for roller bearings. 2,383,233; Aug. 21.
Ballou, B. A., & Co. Incorporated: *See*—
Morehouse, Eugene, assignor.
Barber-Greene Company: *See*—
Smith, Paul A., assignor.
Barnes, William S., Tucson, Ariz. Solar water still. 2,383,234; Aug. 21.
Barton, Louis E., Windsor, Conn. Lead pigments and making same. 2,383,284; Aug. 21.
Bass, Shailer L., and L. A. Rauner, Midland, and P. H. Lipke, Jr., Bay City, assignors to The Dow Chemical Company, Midland, Mich. Stabilizing cellulose ethers. 2,383,361; Aug. 21.
Batchelder, Howard R., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Separation of hydrocarbon emulsions. 2,383,362; Aug. 21.
Batchelder, Howard R., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Chemical process. 2,383,363; Aug. 21.
Baumann, Henry N., Jr., and C. E. Wooddell, assignors to The Carborundum Company, Niagara Falls, N. Y. Aluminous abrasive material. 2,383,035; Aug. 21.
Baxter, William C., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding toilet seat. 2,382,953; Aug. 21.
Bayles, Allison L., Larchmont, N. Y. Engine frame. 2,383,285; Aug. 21.
Beach, Lennox F., Merrick, O. E. Esval, Huntington, and A. W. Lane, Freeport, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro rotor and mounting structure. 2,382,967; Aug. 21.
Beaudoin, Serge, St. Joseph, Quebec, Canada. Oscillator. 2,382,954; Aug. 21
Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Air cleaner. 2,383,364; Aug. 21.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Loop input system for radio receivers. 2,383,286; Aug. 21.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Television pickup control system. 2,383,365; Aug. 21.
Bell Telephone Laboratories, Incorporated: *See*—
Holden, William H. T., assignor.
Bendix Aviation Corporation: *See*—
Lehman, Samuel K., assignor.
Benjamin, Milton L., Cleveland, and S. S. Benjamin, University Heights, Ohio; said S. S. Benjamin assignor to said M. L. Benjamin. Expanding arbor. 2,383,036; Aug. 21.
Benjamin, Stanley S.: *See*—
Benjamin, Milton L. and S. S.
Berg, Willie, Chicago, Ill. Unitary foldable music stand. 2,383,287; Aug. 21.
Bergvall, Royal C.: *See*—
Ludwig, L. R., and Bergvall.
Berman, Reuben R., Washington, D. C. Adjustable reel and collapsible support therefor. 2,382,968; Aug. 21.
Billings, Roy O., Milwaukee, Wis. Excavating bucket. 2,382,955; Aug. 21.
Bocjl Corporation: *See*—
Lang, Joseph C., assignor.
Boden, Samuel H., Turtle Creek, and H. L. Peek, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,383,288; Aug. 21.
Boettcher, William A., Chicago, Ill. Floor polishing device. 2,382,969; Aug. 21.
Boicey, James H., and I. A. Willey, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Manufacture of safety glass. 2,382,956; Aug. 21.
Bone, Herbert L., Forest Hills, and C. E. Staples, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,383,037; Aug. 21.
Booth, Charles F., Anniston, Ala., assignor to Monsanto Chemical Company. Making arsenic chloride. 2,383,105; Aug. 21.

Booth, Robert B., Springdale, Conn.; assignor to American Cyanamid Company, New York, N. Y. Wettable and dispersible thiocarbanilide. 2,383,106; Aug. 21.
Borcherdt, Robert T., Wilmette, Ill. Support. 2,382,970; Aug. 21.
Borden Company, The: *See*—
Mook, Donald E., assignor.
Bork, Edward R.: *See*—
Iddings, R. C., Bork, and Williams.
Bossi, Enea, New York, N. Y. Airing of antitorque propellers. 2,383,038; Aug. 21.
Brandt, Christlieb K., Sr., Kirkwood, Mo. Safety razor. 2,382,957; Aug. 21.
Brewster Company, Inc., The: *See*—
Garrett, Ernest D., assignor
Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Rosin condensation products and producing. 2,383,289; Aug. 21.
Briggs & Stratton Corporation: *See*—
Armstrong, Werner E., assignor.
Fitz Gerald, John W., assignor.
Jacobi, Edward N., assignor.
Broeco, John L., and M. V. Iarussi, Bedford, Ohio. Woodworking machine tool. 2,382,971; Aug. 21.
Broome, John C., Dunedin, Fla., assignor to Food Machinery Corporation, San Jose, Calif. Bag holder. 2,383,366; Aug. 21.
Brouillard, Robert E.: *See*—
Lacey, H. T., and Brouillard.
Brown, Percy M., Tenafly, N. J. Spraying device. 2,383,235; Aug. 21.
Brown, Walter O., Detroit, Mich. Dispensing device. 2,383,367; Aug. 21.
Brune, Lennart, H., Rochester, and E. J. Ries, Brighton, assignors, to Ritter Company, Inc., Rochester, N. Y. Time-controlled electric switch. 2,382,972; Aug. 21.
Buckley, Gerard D., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Anthraquinone derivatives. 2,383,236; Aug. 21.
Budd, Edward G., Manufacturing Company: *See*—
Dean, Albert G., assignor.
Jacob, Ellis L., assignor.
Ragsdale, Earl J. W., assignor.
Ulrich, Theodore, assignor.
Watter, Michael, assignor.
Budd Wheel Company: *See*—
Eksergian, Carolus L., assignor.
Eksergian, C. L., and Gaenssle, assignors.
Gaenssle, Paul W., assignor.
Buick, Charles A., Rockville Center, N. Y. Attaching clip for ear ornaments. 2,383,237; Aug. 21.
Burgoine, Sidney F., and H. E. Elsden, Cheltenham, England. Fluid-operated work-holding vise. 2,382,958; Aug. 21.
Burkhardt Company, The: *See*—
Johnson, Stanley G., assignor.
Burnam, Thompson W., Whittier, Calif. Nozzle. 2,383,433; Aug. 21.
Bushnell, Elizabeth W., Bridgeport, Conn., assignor to B. A. Thomas and H. G. Marquis, Scarsdale, N. Y. Hospital chair. 2,383,039; Aug. 21.
Cadwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Exothermic reaction charge. 2,383,040; Aug. 21.
Callaghan, George H., assignor to John H. Glover, Chicago, Ill. Device for cutting linoleum and the like. 2,383,368; Aug. 21.
Cameron, Daniel D., San Francisco, Calif. Newspaper vending machine. 2,382,959; Aug. 21.
Camloc Fastener Corporation: *See*—
Cannova, George, assignor.
Campbell, David J.: *See*—
Hammond, E. B., and Campbell.
Campbell, Mary A., et al.: *See*—
Prout, Arthur L., assignor.
Campbell, Robert A., Ann Arbor, Mich. Bench back. 2,383,041; Aug. 21.
Cannova, George, Flushing, assignor to Camloc Fastener Corporation, New York, N. Y. Fastener assembly. 2,382,973; Aug. 21.
Caraway, William H., Sugar Land, Tex. Producing streamlined models. 2,382,974; Aug. 21.
Carbide and Carbon Chemicals Corporation: *See*—
Toussaint, W. J., and MacDowell, assignors.
Carborundum Company, The: *See*—
Baumann, H. N., Jr., and Wooddell, assignors.
Carew, Herman, assignor to Dixie Cup Company, Easton, Pa. Adjustable closed or sealed container. 2,383,290; Aug. 21.
Cavert, Edward N., North Hollywood, Calif. Revolving reflector. 2,383,042; Aug. 21.
Celanese Corporation of America: *See*—
Dreyfus, Henry, assignor.
Cherry-Burrell Corporation: *See*—
Dalzell, C. B., and Wyman, assignors.
Cherry, Carl W., Carmel, and A. S. Mullgardt, Altadena, Calif. Transmission mechanism. 2,383,107; Aug. 21.
Chew, Frank D.: *See*—
Willmore, C. B., and Chew.
Chrysler Corporation: *See*—
Mulhern, William A., assignor.
Neracher, C. A., Dunn, Iavelli, and Syrovy, assignors.
Wallace, David A., assignor.
Woolson, H. T., Herreshoff, Hicks, Parker, and Wyatt, assignors.
Chubbuck, Horace A.: *See*—
Galamb, J., Roberts, and Chubbuck.
Cibert, Harold, Brooklyn, assignor to J. and S. Miller, New York, N. Y. Fire resistant portfolio, document folder, or the like. 2,383,108; Aug. 21.
Cities Service Oil Company: *See*—
De Villiers, Truman E., assignor.
Morgan, John D., assignor.
Morgan, J. D., and Lowe, assignors.
Clasen, John H.: *See*—
Evans, R. T., and Clasen.
Cleveland Crane & Engineering Company, The: *See*—
Everard, Frederick W., assignor.
Cline, Edwin L., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Stabilization of polymerizable compounds. 2,383,043; Aug. 21.
Coddington, Howard O., assignor to Andrews Company, Spartansburg, S. C. Ball bearing. 2,382,975; Aug. 21.
Cohen, Magnus, Chiswick, London, England. Button. 2,383,238; Aug. 21.
Coldwell, John S.: *See*—
Coldwell, Joseph, assignor.
Coldwell, Joseph, assignor to J. S. Coldwell, Fall River, Mass. Shuttle threading and tensioning device. 2,383,239; Aug. 21.
Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. N-hydrocarbon substituted alkanolamine salts of halo-phenols. 2,382,976; Aug. 21.
Columbus Auto Parts Company, The: *See*—
Flumerfelt, William A., assignor.
Compton, James A., South Euclid, and A. Paul, Cleveland, Ohio, assignors to Pesco Products Co. Pump diaphragm seal. 2,382,960; Aug. 21.
Conlan, David, New York, N. Y. Electrical apparatus. 2,383,109; Aug. 21.
Continental Can Company, Inc.: *See*—
Punte, William F., assignor.
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Heat control device. 2,383,291; Aug. 21.
Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for pitting fruit. 2,382,961; Aug. 21.
Cooper, Alfred, Croydon, England, assignor to Rubatex Products, Inc., New York, N. Y. Sponge rubber products. 2,383,110; Aug. 21.
Corning Glass Works: *See*—
Torok, Julius J., assignor.
Courtaulds Limited: *See*—
Wormell, Robert L., assignor.
Courtney, Gerald, Hollywood, Calif. Eyeglasses. 2,382,962; Aug. 21.
Courtney, Nicholas P., New York, N. Y. Cigarette ejecting device. 2,382,977; Aug. 21.
Craig, Roscoe J., Crawford, Nebr. Trigger action. 2,383,044; Aug. 21.
Crewdson, Henry, Chester County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Centrifuging machine. 2,383,240; Aug. 21.
Cromwell, Herbert F.: *See*—
Kramer, C. F., and Cromwell.
Crown Cork & Seal Company, Inc.: *See*—
Warth, A. H., and Grabus, assignors.
Curry, John J., Philadelphia, Pa. Capsule. 2,382,978; Aug. 21.
Curtis Pump Company: *See*—
Curtis, Russell R., assignor.
Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Fuel system. 2,383,369; Aug. 21.
Dahlman, Verner, assignor, to American Air Filter Company, Inc., Louisville, Ky. Automatic electrical precipitator. 2,383,111; Aug. 21.
Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Automatic electrical air cleaner. 2,383,112; Aug. 21.
Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Uniting parts. 2,383,113; Aug. 21.
Daily, Robert A.: *See*—
Seabury, R. L., and Daily.
Dalzell, Charles B., and E. Wyman, Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Heat exchange device. 2,383,292; Aug. 21.
David-Ludwig Company: *See*—
Ludwig, John E., Sr., assignor.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sheet metal structure and making the same. 2,383,370; Aug. 21.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car end structure. 2,383,371; Aug. 21.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car construction. 2,383,372; Aug. 21.

Dearstyne, Lewis, Upper Darby, Pa., and J. J. Rutkowski, assignors to Switlik Parachute Company, Trenton, N. J. Parachute pack. 2,383,293; Aug. 21.
Deere & Company: *See*—
Strandlund, Carl G., assignor.
Deloro Smelting & Refining Company Limited: *See*—
Riddihough, Maurice, assignor.
Demb, Kenneth, assignor to Sylvania Electric Products Inc., Salem, Mass. Viscometer. 2,382,979; Aug. 21.
Den Breejen, Adrian, J. J. Amari, and R. Luce, Chicago, D. H. Petty, Skokie, R. Webster, Evanston, and T. K. Webster, Jr., Winnetka, Ill., assignors to The Hydro-Blast Corporation, Chicago, Ill. Method and apparatus for sand reclamation. 2,383,045; Aug. 21.
De Stefano, John, Jackson Heights, N. Y. Sea water distilling device. 2,383,294; Aug. 21.
Detroit Harvester Company: *See*—
Kost, Harold W., assignor.
De Vilbiss Company, The: *See*—
Sykes, R. E., and Moser, assignors.
De Villiers, Truman E., Okmulgee, Okla., assignor to Cities Service Oil Company, New York, N. Y. Detergent composition. 2,383,114; Aug. 21.
Dewey, Frederick L., Canton, Ill., assignor to International Harvester Company. Plow. 2,383,373; Aug. 21.
Dixie Cup Company: *See*—
Carew, Herman, assignor.
Dixon, James K.: *See*—
Lecher, H. Z., and Dixon.
Di Zoppola, Mario, New York, assignor to General Bronze Corporation, Long Island City, N. Y. Igniting a torch under water. 2,383,046; Aug. 21.
Docksey, Patrick: *See*—
Evans, N., and Docksey.
Dodge, Adiel Y., Rockford, Ill. Clutch. 2,383,295; Aug. 21.
Dodge, Henry M., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Windshield or window construction. 2,382,963; Aug. 21.
Dorfman, Hiller D., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Enclosed circuit breaker. 2,383,296; Aug. 21.
Dorothea, Gale, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article inspecting machine. 2,383,297; Aug. 21.
Dorr Company, The: *See*—
Thompson, R. B., and Roberts, assignors.
Dow Chemical Company, The: *See*—
Bass, S. L., Rauner, and Lipke, assignors.
Coleman, Gerald H., assignor.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder. 2,383,241; Aug. 21.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder release means. 2,383,242; Aug. 21.
Drake, Bernard, Bromley, England. Electric frequency dividing system. 2,383,177; Aug. 21.
Dreyfus, Henry, London, England, assignor to Celanese Corporation of America. Process and apparatus for the production of plastic sheet material. 2,383,047; Aug. 21.
Dunn, William T.: *See*—
Neracher, C. A., Dunn, Iavelli, and Syrovy.
Du Pont, E. I., de Nemours & Company: *See*—
Kharasch, Morris S., assignor.
Lundquist, William E., assignor.
Macht, Maurice L., and Renfrew, assignors.
Marks, Bernard M., assignor.
Schmitz, William R., Jr., assignor.
Durand, Milo A., Jackson Heights, N. Y., assignor to C. P. Goerz American Optical Company. Photographic lens. 2,383,115; Aug. 21.
Eastern Tool and Manufacturing Company: *See*—
Elwell, George H., assignor.
Eaton, William C., and W. Leduc, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,382,980; Aug. 21.
Ebinger, Robert L., and C. E. Meree, Charleston, S. C. Angle and distance gauge. 2,383,243; Aug. 21.
Eckert, James C., Jr., Jacksonville, Fla. Fire extinguisher. 2,383,048; Aug. 21.
Edgerton, Harold E., Belmont, Mass. Method of and apparatus for testing. 2,382,981; Aug. 21.
Edison General Electric Appliance Company, Inc.: *See*—
Michaelis, Harold A., assignor.
Edwards, Charles L., Springfield, Mass. Convertible seat structure for cabin cruisers. 2,383,178; Aug. 21.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of vinyl aromatics. 2,383,179; Aug. 21.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,383,374; Aug. 21.
Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,383,375; Aug. 21.
Electric Railway Improvement Company, The: *See*—
Cadwell, Charles A., assignor.
Electrographic Corporation: *See*—
Reilly, F. E., and Holsinger, assignors.
Electrons, Inc.: *See*—
Kruger, William P., assignor.
Elg, Gunard H., Comfrey, Minn. Electric lamp screen. 2,383,116; Aug. 21.
Ellinwood, Herman R., Burbank, Calif., assignor to Adel Precision Products Corp. Hydraulic fluid volume compensator. 2,383,180; Aug. 21.
Elliott, Lyle E., Battle Creek, Mich. Toy. 2,382,982; Aug. 21.
Ellis, Harold E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-phase motor control. 2,382,983; Aug. 21.
Elox Corporation: *See*—
Harding, Henry V., assignor.
Elsden, Herbert E.: *See*—
Burgoine, S. F., and Elsden.
Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,383,049; Aug. 21.
Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,383,298; Aug. 21.
Endress, Frederick A., assignor to Tuff-Hard Corporation, Detroit, Mich. Heat-treating high-speed tool steel. 2,383,299; Aug. 21.
Englander Company, Inc., The: *See*—
Pink, Chester A., assignor.
Ensign, Elbert E.: *See*—
Newkirk, D. L., and Ensign.
Enslin, Herbert E., Beverly, Mass., and E. C. Wallace, Miami, Fla., assignors to Revair Corporation, Boston, Mass. Apparatus for inducing respiration. 2,383,181; Aug. 21.
Erskine, Herbert W., et al.: *See*—
Fanger, H. J., Gruenhagen, and Shaffer.
Shaffer, Cleve F., assignor.
Esson, Gordon F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Multiple operation toolhead. 2,383,050; Aug. 21.
Esval, Orland E.: *See*—
Beach, L. F., Esval, and Lane.
Eunson, William H., Wilkinsburg, and H. W. Graybrook, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator-seasoning apparatus. 2,383,300; Aug. 21.
Evans, Norman, and P. Docksey, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Column head for batch fractionating columns. 2,383,377; Aug. 21.
Evans, Russell T., and J. H. Clasen, Anaheim, Calif. Tractor hitch. 2,383,182; Aug. 21.
Everard, Frederick W., assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Interlocking transfer bridge or crane. 2,383,051; Aug. 21.
Everlasting Valve Company: *See*—
Wiehl, William J., assignor.
Everston, Joseph H., Milwaukee, Wis. Shoe. 2,383,052; Aug. 21.
Ex-Cell-O Corporation: *See*—
Esson, Gordon F., assignor.
Fanger, Herman J., et al.: *See*—
Shaffer, Cleve F., assignor.
Fanger, Herman J., and H. Gruenhagen, Oakland, and C. F. Shaffer, San Francisco, assignors of thirty per cent to M. C. Mogensen, Martinez, thirty per cent to H. W. Erskine, Piedmont, Calif., thirty per cent to said C. F. Shaffer, five per cent to said H. Gruenhagen, and five per cent to said H. J. Fanger. Mounting device for projectiles. 2,383,053; Aug. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic drain valve. 2,383,244; Aug. 21.
Farny, Cyril, St. Charles, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Vertical piano action. 2,383,301; Aug. 21.
Federal Cartridge Corporation: *See*—
Hoffman, H. W., and Helmer, assignors.
Fedje, Ida J., Minneapolis, Minn. Egg separator. 2,383,245; Aug. 21.
Feinauer, Lyman R., and R. S. Payne, Salt Lake City, Utah, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Liquid purification. 2,383,302; Aug. 21.
Fellman, Abraham C., Norfolk, Va. Threaded shoe sole and heel. 2,383,117; Aug. 21.
Ferenci, John T., Trenton, N. J. Drawing wires. 2,383,118; Aug. 21.
Ferris, Roy W., Muskegon Heights, Mich. Demountable rotor. 2,383,119; Aug. 21.
Fessler, William A., Camillus, assignor to The Solvay Process Company, New York, N. Y. Purification of sulphonated products. 2,383,120; Aug. 21.
Fischer, Howard J., Springfield Township, Hamilton County, assignor to The Gardner-Richardson Company, Middletown, Ohio. Bottle carrier. 2,383,183; Aug. 21.
Fishel, John B.: *See*—
Stillson, G. H., and Fishel.
Fiskaall, Otto A., Fitchburg, Mass. Fish lure. 2,383,246; Aug. 21.
Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, executrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Spark plug shield. 2,382,984; Aug. 21.

Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, executrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Door locking system. 2,382,985; Aug. 21.

Fitz Gerald, Mary C., executrix: *See*—
Fitz Gerald, John W.

Flanders, Harold V.: *See*—
Page, Ernest V., assignor.

Flink, Allen R., Streator, Ill. Wheel driven distributor truck. 2,383,121; Aug. 21.

Flint, George W.: *See*—
Adams, E. W., and Flint.

Flumerfelt, W. A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,383,378; Aug. 21.

Food Machinery Corporation: *See*—
Broome, John C., assignor.
Coons, Burton C., assignor.
Thompson, A. R., and Fox, assignors.

Ford Instrument Company, Inc.: *See*—
Newell, William H., assignor.

Ford Motor Company: *See*—
Galamb, J., Roberts, and Chubbuck, assignors.
Kramer, C. F., and Cromwell, assignors.
Newkirk, D. L., and Ensign, assignors.
Sorensen, Charles E., assignor.
Sorensen, C. E., and Smith, assignors.

Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Switch mounting for electric drills. 2,383,379; Aug. 21.

Fox, Richard D.: *See*—
Thompson, A. R., and Fox.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Plug cock. 2,383,054; Aug. 21.

Frederickson, Clayton E., Chicago, Ill. Traction wheel and chain. 2,383,184; Aug. 21.

Fritz, Dwain E., Wapakoneta, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Delayed-start connection for electric motors. 2,383,303; Aug. 21.

Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polmerization of conjugated dienes. 2,383,055; Aug. 21.

Fuller Label & Box Company: *See*—
Hardesty, Eugene, assignor.

Fyr-Fyter Company, The: *See*—
Iddings, R. C., Bork, and Williams, assignors.

Gaenssle, Paul W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake arrangement. 2,383,376; Aug. 21.

Gaenssle, Paul W.: *See*—
Eksergian, C. L., and Gaenssle.

Galamb, Joseph, Detroit, and A. O. Roberts and H. A. Chubbuck, assignors to Ford Motor Company, Dearborn, Mich. Range finder. 2,383,185; Aug. 21.

Ganley, Joseph H., St. Paul, Minn. Road roller. 2,382,986; Aug. 21.

Gardner, Charles E., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Packaging. 2,382,987; Aug. 21.

Gardner, Daniel, New York, N. Y. Treatment of certain sodium-sulphur compounds to produce certain soluble non-sulphur compounds of sodium. 2,383,247; Aug. 21.

Gardner-Richardson Company, The: *See*—
Fischer, Howard J., assignor.

Garraway, George C., Rutherford, N. J. Photographic printing machine. 2,382,988; Aug. 21.

Garrett, Ernest D., assignor to The Brewster Company, Inc., Shreveport, La. Combination tubing head and tubing support. 2,383,248; Aug. 21.

Geary, Robert J., Blue Point, N. Y. Insecticidal mixture. 2,383,304; Aug. 21.

General Bronze Corporation: *See*—
Di Zoppola, Mario, assignor.

General Electric Company: *See*—
Cook, Leonard W., assignor.
Hansen, Siegfried, assignor.
McConnell, Andrew J., assignor.
Milward, Victor E., assignor.
Pipkin, Marvin, assignor.

General Motors Corporation: *See*—
Jorgensen, Clarence H., assignor.
Lawson, John W., assignor.
Seabury, R. L., and Daily, assignors.
Teeter, Wilford H., assignor.

German, Irvine F., Jr.: *See*—
Gross, H. H., and German.

Ghez, Henry and O., New York, N. Y. Rubber or plastic encased flexible reinforcement or flexible member. 2,383,122; Aug. 21.

Ghez, Oscar: *See*—
Ghez, Henry and O.

Gilbert, Philo G., Portland, Oreg. Attachment for hand trucks. 2,382,989; Aug. 21.

Gimpel, Karl, Philadelphia, Pa. Pneumatic punch. 2,383,380; Aug. 21.

Girdler Corporation, The: *See*—
Reed, Robert M., assignor.

Glasser, Charles J., Chicago, Ill. Binoculars with polarized light filters. 2,383,186; Aug. 21.

Glover, John H.: *See*—
Callaghan, George H., assignor.

Goerz, C. P., American Optical Company: *See*—
Durand, Milo A., assignor.
Kirsch, Paul, assignor.

Goldberg, Nathan C., New York, N. Y. Spring structure. 2,382,990; Aug. 21.

Goldsby, Arthur R., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,383,056; Aug. 21.

Goodrich, B. F., Company, The: *See*—
Fryling, Charles F., assignor.
Stewart, William D., assignor.

Gorin, Manuel H., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic process. 2,383,123; Aug. 21.

Grabus, Paul, Jr.: *See*—
Warth, A. H., and Grabus.

Grapes, Frank E., assignor to Universal Oil Products Company, Chicago, Ill. Liquid level indicator. 2,383,187; Aug. 21.

Gray, G. A., Company, The: *See*—
Walter, John M., assignor.

Graybrook, Herbert W.: *See*—
Eunson, William H., and Graybrook.

Greene, Joseph, Brooklyn, N. Y., assignor to Holgate Brothers Company, Kane, Pa. Toy. 2,383,305; Aug. 21.

Griswold, William A., Cleveland, Tenn. Heating apparatus. 2,383,188; Aug. 21.

Gross, Howard H., Fishkill, and I. F. German, Jr., Beacon, assignors to The Texas Company, New York, N. Y. Extraction of hydrocarbons. 2,383,057; Aug. 21.

Grote Manufacturing Company, The: *See*—
Ryder, Charles D., assignor.

Gruenhagen, Henry: *See*—
Fanger, H. J., Gruenhagen, and Shaffer.

Gruenhagen, Henry, et al.: *See*—
Shaffer, Cleve F., assignor.

Guardian Electric Manufacturing Co.: *See*—
Obszarny, Thedore, assignor.

Gulf Research & Development Company: *See*—
Stillson, G. H., and Fishel, assignors.

Hamilton Watch Company: *See*—
Hovis, Harry Le R., assignor.

Hammond, Edmund B., Brooklyn, and D. J. Campbell, Richmond Hill, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Range finder. 2,382,991; Aug. 21.

Hammond, Laurens, Chicago, Ill. Camera shutter. 2,383,381; Aug. 21.

Hancock Oil Company of California: *See*—
Hancock, William T., assignor.

Hancock, William T., assignor to Hancock Oil Company of California, Long Beach, Calif. Polymerization of oils. 2,383,189; Aug. 21.

Hanna, Clinton R., and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase responsive governor system. 2,383,306; Aug. 21.

Hansen, Elmer K., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat-treating furnace. 2,383,307; Aug. 21.

Hansen, Siegfried, Schenectady, N. Y., assignor to General Electric Company. Cathode-ray deflecting means. 2,383,308; Aug. 21.

Hanson, Harley J., Milwaukee, Wis. Portable container. 2,383,058; Aug. 21.

Hardesty, Eugene, New Brighton, assignor to Fuller Label & Box Company, Pittsburgh, Pa. Application of ceramic color. 2,383,190; Aug. 21.

Hardesty, Eugene, New Brighton, assignor to Fuller Label & Box Company, Pittsburgh, Pa. Application of ceramic color. 2,383,191; Aug. 21.

Harding, Henry V., Royal Oak, Mich., assignor to Elox Corporation. Connector. 2,383,124; Aug. 21.

Harding, Henry V., Royal Oak, Mich., assignor to Elox Corporation. Vibratory electromagnetic apparatus. 2,383,382; Aug. 21.

Harding, Henry V., Royal Oak, Mich., assignor to Elox Corporation. Electromagnetic vibratory metalworking apparatus. 2,383,383; Aug. 21.

Hardwick, Pierre M., Altadena, Calif. Hose coupling with check valve. 2,383,249; Aug. 21.

Harris, James C., Jr., Philadelphia, Pa. Metallurgical induction furnace. 2,383,384; Aug. 21.

Harris, Jesse S., Memphis, Tenn. Soil sampling apparatus. 2,382,992; Aug. 21.

Hartford National Bank and Trust Company, Trustee: *See*—
Ziegler, Marc, assignor.

Haskins, Robert, Jr., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Erection device for gyro verticals. 2,382,993; Aug. 21.

Hathaway, Claude M.: *See*—
Merrill, M. S., and Hathaway.

Hathaway, Jarrett L., Manhasset, N. Y., assignor to Radio Corporation of America. Automatic voltage regulator. 2,383,309; Aug. 21.

Hazelett, Clarence W., Greenwich, Conn. Continuous casting apparatus and process. 2,383,310; Aug. 21.

Heil, Theodore, Berkeley, Calif. Convertible utility and camp trailer and camp tent. 2,383,192; Aug. 21.

Hein, Carl C., Forrest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact for copper oxide rectifiers. 2,383,311; Aug. 21.

Heintze, Carl P., Amityville, N. Y. Jet propulsion power plant. 2,383,385; Aug. 21.

Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.

Herbert, Elmer H., assignor to Oliver United Felters Incorporated, Oakland, Calif. Diaphragm pump. 2,383,193; Aug. 21.

Hercules Powder Company: *See*—
Bried, Edward A., assignor.
Rummelsburg, Alfred L., assignor.

Herreshoff, Alexander G.: *See*—
Woolsen, H. T., Herreshoff, Hicks, Parker, and Wyatt.

Herrick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Communication system. 2,383,312; Aug. 21.

Hewitt, Ellis E., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Compressor throttling apparatus. 2,383,250; Aug. 21.

Hewitt, Ellis E., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor head and governor assembly. 2,383,251; Aug. 21.

Hicks, Harold A.: *See* —
Woolsen, H. T., Herreshoff, Hicks, Parker, and Wyatt.

Hill, Arthur J.: *See*—
Parker, R. P., and Hill.

Hill, Joanna, Bangor, Saskatchewan, Canada. Railroad seat. 2,383,125; Aug. 21.

Hipple, James L., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,383,386; Aug. 21.

Hlavin, William S.: *See*—
Sigmund, F. J., and Hlavin.

Hobart Manufacturing Company, The: *See*—
Meeker, D. A., and Allen, assignors.

Hoffer, James F., Detroit, assignor, by mesne assignments, to Superdraulic Corporation, Dearborn, Mich. Fluid pump. 2,383,059; Aug. 21.

Hoffer, James F., Detroit, assignor, by mesne assignments, to Superdraulic Corporation, Dearborn, Mich. Fluid pump. 2,383,060; Aug. 21.

Hoffman, Harry W., Anoka, and G. H. Helmer, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Protection apparatus. 2,383,313; Aug. 21.

Hoffmann-La Roche Inc.: *See*—
Karrer, Walter, assignor.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., Electric maneuvering board. 2,382,994; Aug. 21.

Holgate Brothers Company: *See*—
Greene, Joseph, assignor.

Holland Furnace Company: *See*—
Weyenberg, Henry, assignor.

Hollingsworth, "R" Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Spaced wave keying. 2,383,126; Aug. 21.

Hollstein, Paul, deceased, Carlstadt, by Rutherford Trust Co., administrator, Rutherford, N. J., assignor to J. M. Lehmann Co., Inc., New York, N. Y. Apparatus for treating chocolate and similar materials. 2,383,387; Aug. 21.

Holsinger, Chester: *See*—
Reilly, F. E., and Holsinger.

Hoopes, Penrose R., Philadelphia, Pa. Pump. 2,383,194; Aug. 21.

Horman, Alfred E., New York, N. Y. Woodworking machine carriage. 2,383,195; Aug. 21.

Horn, Merl E.: *See*—
May, J. W., Stuellein, and Horn.

Hovis, Harry Le R., Manor Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Oxidation removing process. 2,383,434; Aug. 21.

Howe, Harold, Rowayton, Conn. Folding high chair. 2,383,127; Aug. 21.

Hubbard, Howard W., Salt Lake City, Utah, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Soldering jig. 2,383,314; Aug. 21.

Hughes, John R., Urbanna, Va. Weeding tool. 2,383,388; Aug. 21.

Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Acetylsulphanilyl chloride. 2,383,128; Aug. 21.

Huntzicker, Harry N., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Making plaster retarder. 2,383,252; Aug. 21.

Hyde, George E., Jr., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,383,315; Aug. 21.

Hydro-Blast Corporation, The: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr., assignors.

Iarussi, Michael V.: *See*—
Brocco, J. L., and Iarussi.

Iavelli, Teno: *See*—
Neracher, C. A., Dunn, Iavelli, and Syrovy.

Iddings, Roscoe C., E. R. Bork, and H. G. Williams, assignors to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 2,383,129; Aug. 21.

Ilford Limited: *See*—
Kendall, John D., assignor.

Illion, Jeanette, Newark, N. J. Package. 2,383,389; Aug. 21.

Immel, Ralph B., Wilkinsburg, Pa., and F. Slamar, Annapolis, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shock responsive latching device. 2,382,995; Aug. 21.

Imperial Brass Manufacturing Company, The: *See*—
Franck, George E., assignor.

Imperial Chemical Industries, Limited: *See*—
Buckley, G. D., and Piggott, assignors.
Kay, Eric, assignor.

Independent Pneumatic Tool Company: *See*—
Forss, Frithiof P., assignor.

Ingalls, David, Westfield, N. J., assignor to Titeflex, Inc. Apparatus for making corrugated tubing. 2,383,253; Aug. 21.

Ingersoll-Rand Company: *See*—
Stepanoff, Alexey J., assignor.

International Harvester Company: *See*—
Bechman, William O., assignor.
Dewey, Frederick L., assignor.
Hipple, James L., assignor.
Millard, Lee P., assignor.
Miller, George H., assignor.
Orendorff, John W., assignor.
Renno, Donald G., assignor.

Jacob, Ellis L., Moylan-Rose Valley, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Clamping device. 2,383,435; Aug. 21.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Combination contact and terminal for electric switches. 2,382,996; Aug. 21.

Jacobs, Herbert E., Portland, Oreg. Display balloon. 2,383,390; Aug. 21.

Jaeger, Alphons O., Greenwich, and K. L. Lynch, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulphopolycarboxylic acid monoamides and their preparation. 2,383,130; Aug. 21.

Jenkins, Ernest A., Waco, Tex. Slack adjusting device. 2,383,196; Aug. 21.

Jennings, Paul G., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Geometrical instrument. 2,383,316; Aug. 21.

Jessen, Heinrich C., Wilmette, assignor to United States Gypsum Company, Chicago, Ill. Calcining process and apparatus. 2,383,254; Aug. 21.

Johns-Manville Corporation: *See*—
McDermott, Paul F., assignor.

Johnson, Alice E., Garberville, Calif. Slide fastener tab locking device. 2,383,197; Aug. 21.

Johnson, Clarence D., assignor of one-half to W. P. Stephenson and one-half to A. E. Stephenson, Bastrop, La. Jack attachment. 2,383,061; Aug. 21.

Johnson, Enoch B., and A. A. Kaehler, Red Wing, Minn. Concrete wall building block. 2,383,317; Aug. 21.

Johnson, Manfred J., New Haven, Conn., assignor to The United States Time Corporation. Time-train unit for clocks and the like. 2,383,391; Aug. 21.

Johnson, Stanley G., Grosse Pointe, assignor to The Burkhardt Company, Detroit, Mich. Post binder. 2,383,062; Aug. 21.

Jorgensen, Clarence H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine controller. 2,383,198; Aug. 21.

Kaehler, Arnold A.: *See*—
Johnson, E. B., and Kaehler.

Kalischer, Philip R.: *See*—
Scott, H., and Kalischer.

Karrer, Walter, Riehen, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Acid esters of alkylated 1,4-naphthohydroquinones and manufacture of same. 2,383,392; Aug. 21.

Katz, Julius, New York, and F. P. Majoros, Brooklyn, assignors to Superba Manufacturing Co., Inc., New York, N. Y. Bias cutting machinery. 2,382,997; Aug. 21.

Kay, Eric, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Tetraalkylthiuram monosulphide preparation. 2,383,318; Aug. 21.

Keller, D. R., et al.: *See*—
Minto, Wallace L., assignor.

Kendall, John D., assignor to Ilford Limited, Ilford, England. Dyestuff intermediates. 2,383,255; Aug. 21.

Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sulphonyl chlorides. 2,383,319; Aug. 21.

Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of saturated aliphatic carboxylic acid with sulphuryl chloride and products thereof. 2,383,320; Aug. 21.

Kienle, Roy H., and C. A. Amick, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Acyl quinone sulphonamides as printing aids. 2,383,393; Aug. 21.

Kindervater, Julius, Richmond, Va., assignor to American Locomotive Company, New York, N. Y. Flexible hollow stay-bolt construction for boilers. 2,383,394; Aug. 21.

Kirsch Company: *See*—
Allen, Archie A., assignor.

Kirsch, Paul, Woodhaven, N. Y., assignor to C. P. Goerz American Optical Company. Apparatus for polishing optical flats. 2,383,131; Aug. 21.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,383,256; Aug. 21.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,383,257; Aug. 21.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,383,258; Aug. 21.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,383,259; Aug. 21.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,383,260; Aug. 21.

Kitts, William, Los Angeles, Calif., assignor to Adel Precision Products Corp. Hose clamp. 2,383,199; Aug. 21.

Kleber, Jackson O., Long Island City, N. Y. Weighing apparatus adapted for operation by the blind. 2,383,321; Aug. 21.

Kleinschmidt, Bernard L., Highland Park, Ill. Sheet pile marker. 2,382,998; Aug. 21.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Multiband receiver with band spread. 2,383,322; Aug. 21.

Kohl, William R., Glenview, Ill. Window-shield. 2,383,132; Aug. 21.

Kost, Harold W., Birmingham, assignor to Detroit Harvester Company, Detroit, Mich. Forming fastening devices. 2,383,133; Aug. 21.

Kramer, Clarence F., Birmingham, and H. F. Cromwell, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Handhole closure. 2,383,200; Aug. 21.

Kromer, William F., Sharpsburg, assignor to H. K. Porter Company, Inc., Pittsburgh, Pa. Throttle control for locomotives or the like. 2,383,063; Aug. 21.

Kronhaus, Semen, Los Angeles, Calif. Life preserving suit. 2,383,261; Aug. 21.

Kruchten, Edward Q., Chicago, Ill. Work-holding and positioning means. 2,383,201; Aug. 21.

Kruger, William P., New York, N. Y., assignor to Electrons, Inc., Newark, N. J. Tube and base structure. 2,383,263; Aug. 21.

Kuenstler, Walter E., Cliffside Park, N. J. Crystal. 2,383,262; Aug. 21.

Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Sash hinging hardware. 2,383,395; Aug. 21.

Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of symmetrical diaryl hydrazines. 2,383,134; Aug. 21.

Lane, Arthur W.: *See*—
Beach, L. F., Esval, and Lane.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Staple. 2,383,135; Aug. 21.

Lange, Edward H., Baltimore, Md. Demodulator device for frequency and amplitude modulation. 2,383,323; Aug. 21.

Lanz, Adrian B., Zurich, Switzerland. Ski binding. 2,383,064; Aug. 21.

Laquay, Rudolf: *See*—
Maurer, F., and Laquay.

Laurain, Roy C., Dearborn, Mich. Double-action piston rod. 2,383,136; Aug. 21.

Lawson, John W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lighting system. 2,383,202; Aug. 21.

Lecher, Hans Z., Plainfield, and J. K. Dixon, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Acetylation of cyanohydrins. 2,383,137; Aug. 21.

Lecher, Hans Z., Plainfield, R. P. Parker and R. S. Long, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Azo dyestuffs from 5-amino coumaran. 2,383,264; Aug. 21.

Le Clair, C. C. S. Acton, London, England. Reciprocating pump. 2,383,324; Aug. 21.

Leduc, Wilbur: *See*—
Eaton, W. C., and Leduc.

Lee, Charles A., U. S. Navy, Laramie, Wyo. Circulating water channel. 2,382,999; Aug. 21.

Lee, Jess M., Los Angeles, Calif. Heat-treating system. 2,383,203; Aug. 21.

Lehmann, J. M., Co., Inc.: *See*—
Hollstein, Paul, assignor.

Lehman, Samuel K., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid filter. 2,383,065; Aug. 21.

Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,383,265; Aug. 21.

Leland Electric Company, The: *See*—
Moore, Thomas W., assignor.

Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Opposed-angle brush holder. 2,383,325; Aug. 21.

Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Feed carriage assembly for lathes. 2,383,266; Aug. 21.

Le Veque, Gustave E., Detroit, Mich. Lifting jack. 2,383,204; Aug. 21.

Libbey-Owens-Ford Glass Company: *See*—
Boicey, J. H., and Willey, assignor.
Dodge, Henry M., assignor.
Mustered, Ralph A., assignor.

Lionel Corporation, The: *See*—
Ayres, Waldemar A., assignor.

Lipke, Paul H., Jr.: *See*—
Bass, S. L., Rauner, and Lipke.

Lipton, Sarah, deceased, New York, N. Y.; J. L. Orban, administratrix. Hat adjusting means. 2,383,396; Aug. 21.

Lofqwist, Olof J., London, England. Device for insertion into keyholes for obstructing same to prevent unauthorized entry. 2,383,397; Aug. 21.

Long, Robert S.: *See*—
Lecher, H. Z., Parker, and Long.

Love, Howard T., Mayaguez, P. R.; dedicated to the free use of the people of the territory of the United States. Extracting oil from avocados. 2,383,398; Aug. 21.

Lovell, Raymond L., South Lyon, Mich. Poultry battery system and cleaning apparatus therefor. 2,383,326; Aug. 21.

Lowe, Russell E.: *See*—
Morgan, J. D., and Lowe.

Luce, Roy: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr.

Ludwig, John E., Sr., assignor to David-Ludwig Company, Detroit, Mich. Air cleaner. 2,383,138; Aug. 21.

Ludwig, Leon R., and R. C. Bergvall, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical system. 2,383,327; Aug. 21.

Lundquist, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified maleic anhydride-terpene reaction products and producing same. 2,383,399; Aug. 21.

Lyle, Frederick W., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Time delay device. 2,383,328; Aug. 21.

Lynch, Kathryn L.: *See*—
Jaeger, A. O., and Lynch.

Maage, Alfred E., Jr., Milwaukee, Wis. Wing nut. 2,383,141; Aug. 21.

MacDowell, Louis G., Jr.: *See*—
Toussaint, W. J., and MacDowell.

Macht, Maurice L., Jersey City, and M. M. Renfrew, Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Luminescent cast synthetic resin articles. 2,383,067; Aug. 21.

MacLean-Fogg Lock Nut Company: *See*—
MacLean, John A., Jr., assignor.

MacLean, John A., Jr., Winnetka, assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Bolt and mounting therefor. 2,383,068; Aug. 21.

Mader, Emil A., assignor to one-half to J. Spargo, Detroit, Mich. Combined impeller and closure. 2,383,001; Aug. 21.

Mader, Emil A., assignor to one-half to J. Spargo, Detroit, Mich. Impeller and governor for same. 2,383,002; Aug. 21.

Mader, Emil A., assignor to one-half to J. Spargo, Detroit, Mich. Forced ventilation apparatus. 2,383,003; Aug. 21.

Mader, Emil A., assignor to one-half to J. Spargo, Detroit, Mich. Combined impeller and closure. 2,383,004; Aug. 21.

Majoros, Frank P: *See*—
Katz, J., and Majoros.

Malmqvist, Thure, Stockholm, Sweden. Nonskidding device. 2,383,267; Aug. 21.

Man-Sew Pinking Attachment Corp.: *See*—
Sigoda, Victor J., assignor.

Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermostat, safety pilot, and limit control. 2,383,401; Aug. 21.

Marks, Barnard M., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethenoid monomers. 2,383,069; Aug. 21.

Marks, William S., Jr., Long Branch, N. J. Frequency control system. 2,383,005; Aug. 21.

Marquis, Harry G., et al.: *See*—
Bushnell, Elizabeth W., assignor.

Marshall, Leland S., Dayton, Ohio. Testing apparatus for Link trainer recorders. 2,383,006; Aug. 21.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of butadiene. 2,383,205; Aug. 21.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,383,206; Aug. 21.

Maurer, Fritz, Stuttgart-Bad Cannstatt, and R. Laquay, Stuttgart, Germany; vested in the Alien Property Custodian. Apparatus for rustproofing the inside of gasometer bells. 2,383,402; Aug. 21.

Maurette, René G., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Lighting fixture. 2,383,007; Aug. 21.

May, John W., Pittsburgh, W. H. Stuellein, East McKeesport, and M. E. Horn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,383,403; Aug. 21.

McConnell, Andrew J., Albany, N. Y., assignor to General Electric Company. Protective system. 2,383,329; Aug. 21.

McDermott, Paul F., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Filter unit and making the same. 2,383,066; Aug. 21.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Vibration damper. 2,383,400; Aug. 21.

McGraw Electric Co.: *See*—
Osterheld, Clark M., assignor.

McGuire, Cecil E., Douglas, Ariz. Aircraft. 2,383,139; Aug. 21.

McLane, Samuel F.: *See*—
McLane, Virgile F. and S. F.

McLane, Virgile F. and S. F., assignors to Southern Loom Reed Manufacturing Company, Inc., Gaffney, S. C. Loom reed. 2,383,140; Aug. 21.

McLean, John A., Edmonton, Alberta, Canada. Bicycle. 2,383,000; Aug. 21.

Medved, Nicholas, Cleveland, Ohio. Roller bearing. 2,383,142; Aug. 21.

Meeker, David A., Troy, and K. C. Allen, Dayton, assignors to The Hobart Manufacturing Company, Troy, Ohio. Scale. 2,383,404; Aug. 21.

Meister, Leo, Irvington, N. J. Work positioning apparatus. 2,383,008; Aug. 21.

Mendel, Alfred: *See*—
Tryfus, F., and Mendel.

Meree, Cecil E.: *See*—
Ebinger, R. L., and Meree.

Mergenthaler Linotype Company: *See*—
Plastaras, James C., assignor.

Merrill, Marcellus S., and C. M. Hathaway, Denver, Colo. Balancing method and apparatus. 2,383,405; Aug. 21.

Metropolitan-Vickers Electrical Company: *See*—
Scoles, Graham J., assignor.

Meyer, Siegfried, New York, N. Y. Garment hanger for bags and like receptacles. 2,383,009; Aug. 21.

Michael, Lawrence W., Lima, Ohio. Spinning tool. 2,383,330; Aug. 21.

Michaelis, Harold A., Elmhurst, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Waffle iron. 2,383,331; Aug. 21.

Microstat Corporation: *See*—
Pratt, Verneur E., assignor.

Millard, Lee P., Moline, Ill., assignor to International Harvester Company. Wheel mounting. 2,383,406; Aug. 21.

Miller, Albert W., Jamaica, N. Y. Detachable coupling. 2,383,010; Aug. 21.

Miller, George H., Erie, Pa., assignor to International Harvester Company. Agricultural implements. 2,383,407; Aug. 21.

Miller, Joseph, et al.: *See*—
Cibert, Harold, assignor.

Miller, Raymond S., and K. Seidel, assignors to Vickers Incorporated, Detroit, Mich. Solenoid construction. 2,383,332; Aug. 21.

Miller, Samuel, et al.: *See*—
Cibert, Harold, assignor.

Milward, Victor E., Clifton, Rugby, England, assignor to General Electric Company. Sweep circuit for cathode-ray tubes. 2,383,333; Aug. 21.

Milwaukee Gas Specialty Company: *See*—
Mantz, Harold A., assignor.

Minto, Wallace L., Jersey City, N. J., assignor of twenty-one and sixty-six hundredths per cent to H. R. Van Deventer, twenty-one and sixty-six hundredths per cent to D. R. Keller, and twenty-one and sixty-six hundredths per cent to E. F. Waller, New York, N. Y. Beta amylose-iodine compound and production of the same. 2,383,334; Aug. 21.

Mittelstadt, Roy, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Garment treating form. 2,383,011; Aug. 21.

Moffitt, Edward J., Lakewood, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Trimming tool. 2,383,335; Aug. 21.

Mogensen, Martin C., et al.: *See*—
Fanger, H. J., Gruenhagen, and Shaffer.
Shaffer, Cleve F., assignor.

Monsanto Chemical Company: *See*—
Booth, Charles F., assignor.
Moose, Joe E., assignor.

Mook, Donald E., Perry, assignor to The Borden Company, New York, N. Y. Dry milk product and the preparation thereof. 2,383,070; Aug. 21.

Moore, Edward, Newark, N. J. Two-cycle solid-fuel injection supercharged engine. 2,383,336; Aug. 21.

Moore, Ralph H., Pasadena, Calif. Coffee maker. 2,383,144; Aug. 21.

Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Regulating mechanism. 2,383,143; Aug. 21.

Moose, Joe E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Chewing gum base. 2,383,145; Aug. 21.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Safety catch. 2,383,012; Aug. 21.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Safety catch. 2,383,013; Aug. 21.

Morgan, Arthur H., Knoxville, Tenn. Method and apparatus for removing the stems and caps from berries and similar types of fruit, etc. 2,383,268; Aug. 21.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,383,146; Aug. 21.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Low temperature greases. 2,383,147; Aug. 21.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Protective grease. 2,383,148; Aug. 21.

Morgan, Porter S., Westport, Conn. Postal scale. 2,383,408; Aug. 21.

Morrell, Jacque C., Oak Park, Ill. Hairpin holder and dispenser. 2,383,207; Aug. 21.

Morten, Louis G., Teaneck, and J. F. O'Brien, Jersey City, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,383,014; Aug. 21.

Moser, Bernard H.: *See*—
Sykes, R. E., and Moser.

Moxley, William M., Kansas City, Mo. Extensible battery cell holder for electric lanterns. 2,383,337; Aug. 21.

Mulhern, William A., Detroit, assignor to Chrysler Corportion, Highland, Park, Mich. Trim ring. 2,383,071; Aug. 21.

Mullgardt, Alex S.: *See*—
Cherry, C. W., and Mullgardt.

Mustered, Ralph A., Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,383,208; Aug. 21.

Nairn, George P., Salem, N. J., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Weight and capacity testing device. 2,383,269; Aug. 21.

Neracher, Carl A., W. T. Dunn, T. Iavelli, and A. J. Syrovy, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,383,149; Aug. 21.

Nevin, James G., Toronto, Ontario, Canada. Shoeshine fixture. 2,383,150; Aug. 21.

Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Controlling gyroscopes. 2,383,409; Aug. 21.

Newkirk, Daniel L., Inkster, and E. E. Ensign, Ypsilanti, assignors to Ford Motor Company, Dearborn, Mich. Condensation device for retorts. 2,383,209; Aug. 21.

Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Remote control system for radio receivers. 2,383,338; Aug. 21.

Niederer, Herbert O. and O. C., Titusville, N. J. Device for arranging articles on conveying means. 2,383,270; Aug. 21.

Niederer, Otto C.: *See*—
Niederer, Herbert O. and O. C.

Oatley, Arthur F., Deepfields, England. Gas heated cooking oven. 2,383,410; Aug. 21.

Oblad, Alex G., assignor to Standard Oil Company, Chicago, Ill. Producing toluene. 2,383,072; Aug. 21.

O'Brien, Joseph F.: *See*—
Morten, L. G., and O'Brien.

Obszarny, Thedore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Solenoid construction. 2,383,411; Aug. 21.

Oden, Thomas K., and R. L. Wight, Sacramento, Calif. Fishhook. 2,383,073; Aug. 21.

Oliver United Felters Incorporated: *See*—
Herbert, Elmer H., assignor.

Orban, Jane L., administratrix: *See*—
Lipton, Sarah.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Vegetable cart and loader. 2,383,412; Aug. 21.

Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Planter. 2,383,413; Aug. 21.

Orskog, Michael, Elmwood Park, Ill. Saw filing device. 2,383,151; Aug. 21.

Osbon, William O.: *See*—
Hanna, C. R., and Osbon.

Osteen, Richard T., Greenville, S. C., assignor to Walker Manufacturing Company, Incorporated, Philadelphia, Pa. Heddle frame support. 2,383,271; Aug. 21.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Co., Elgin, Ill. Snap-acting switch. 2,383,414; Aug. 21.

Owens-Corning Fiberglas Corporation: *See*—
Slayter, James, assignor.

Packard Motor Car Company: *See*—
McFarland, Forest R., assignor.

Page, Ernest V., Portsmouth, N. H., assignor of one-half to H. V. Flanders, North Weare, N. H. Deep hole indicating appliance. 2,383,272; Aug. 21.

Paramount Textile Machinery Co.: *See*—
Mittelstadt, Roy, assignor.

Parker, Glenn H.: *See*—
Woolsen, H. T., Herreshoff, Hicks, Parker and Wyatt.

Parker, Robert P.: *See*—
Lecher, H. Z., Parker, and Long.

Parker, Robert P., Somerville, N. J., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkamine derivatives of o-alkoxymethyl benzoic acid. 2,383,074; Aug. 21.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machine loop-takers. 2,383,152; Aug. 21.

Parsons, John B., Toledo, Ohio. Sealing device for internal gear pumps. 2,383,153; Aug. 21.

Parsons, John B., Toledo, Ohio. Fastening device. 2,383,154; Aug. 21.

Patterson, Joseph W., Tulsa, Okla. Game device. 2,383,210; Aug. 21.

Paul, Albert: *See*—
Compton, J. A., and Paul.

Pawsat, Ewald F., Maysville, Ky. Steering post. 2,383,273; Aug. 21.

Payne, Roland S.: *See*—
Feinauer, L. R., and Payne.

Peek, Henry L.: *See*—
Boden, S. H., and Peek.

Peirson, Harold T., Brooklyn, N. Y. Seal for window sash. 2,383,155; Aug. 21.

Penn Electric Switch Co.: *See*—
Shaw, Burton E., assignor.

Pennsylvania Railroad Company, The: *See*—
Steins, Carleton K., assignor.

People in the territory of the United States, Dedicated to the free use of the: *See*—
Love, Howard T.

Pesco Products Co.: *See*—
Compton, J. A., and Paul, assignors.

Petersen, Leland B., Salt Lake City, Utah, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Inverted primer removal device. 2,383,339; Aug. 21.

Petty, Daniel H.: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr.

Pezzano, Joseph, Staten Island, N. Y. Combination wheel chair, table, and bed. 2,383,340; Aug. 21.

Phillips, Ellsworth B., assignor of fifty per cent to F. Trimajstrich, and fifty per cent to L. Trimajstrich, Los Angeles, Calif. Collet chuck. 2,383,156; Aug. 21.

Phillips Petroleum Company: *See*—
Schulze, Walter A., assignor.

Pierce, John B., Foundation: *See*—
Morten, L. G., and O'Brien, assignors.

Piggott, Henry A.: *See*—
Buckley, G. D., and Piggott.

Pineo, Orrin W., Milo, Maine, assignor to American Cyanamid Company, New York, N. Y. Spectrophotometer. 2,383,075; Aug. 21.

Pink, Chester A., Chicago, Ill., assignor to The Englander Company, Inc. Spring construction for mattresses and the like. 2,383,157; Aug. 21.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Flash lamp and manufacture thereof. 2,383,076; Aug. 21.

Pittsburgh Coke & Iron Company: *See*—
Riethof, George, assignor.

Plastaras, James C., Laurelton, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. 2,383,158; Aug. 21.

Plastaras, James C., Laurelton, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 2,383,159; Aug. 21.

Plastaras, James C., Laurelton, N. Y., assignor to Mergenthaler Linotype Company. Mouthpiece wiper for metal pots of typographical casting machines. 2,383,160; Aug. 21.

Plumb, George W., Glendale, Calif., assignor to Adel Precision Products Corp. Spring nut. 2,383,211; Aug. 21.

Pohle, Walter B., Lynn, Mass. Shank construction. 2,383,212; Aug. 21.

Polydoroff, Wladimir J., Wilmette, Ill. Loop antenna apparatus. 2,383,415; Aug. 21.

Porter, Albert M., Newton, Kans. Engine. 2,383,213; Aug. 21.

Porter, H. K., Company, Inc.: *See*—
Kromer, William F., assignor.

Powell, William M., Milwaukee, Wis. Manacle. 2,383,077; Aug. 21.

Pratt, Raymond C., Chicago, Ill. Closure. 2,383,015; Aug. 21.

Pratt, Verneur E., Norwalk, Conn., assignor to Microstat Corporation. Focusing means for cameras. 2,383,161; Aug. 21.

Pringle, Floyd J., Massena, N. Y. Clamp. 2,383,078; Aug. 21.

Prout, Arthur L., assignor of one-half to B. Pugsley, Long Beach, and one-half to M. A. Campbell, Los Angeles, Calif. Well casing expander. 2,383,214; Aug. 21.

Pugsley, Bessie, et al.: *See*—
Prout, Arthur L., assignor.

Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Reclosable metal container. 2,383,274; Aug. 21.

Quality Hardware and Machine Corporation: *See*—
Snyder, Leland H., assignor.

Radio Corporation of America: *See*—
Artzt, Maurice, assignor.
Beers, George L., assignor.
Hathaway, Jarrett L., assignor.
Hollingsworth, "R" Lee, assignor.
Koch, Winfield R., assignor.
Newman, William E., assignor.
Seiler, Karl, 3rd, assignor.
Smith, James E., assignor.

Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeping car room arrangement. 2,383,162; Aug. 21.

Rauner, Lawrence A.: *See*—
Bass, S. L., Rauner, and Lipke.

Raytheon Manufacturing Company: *See*—
Shere, Gerald D., assignor.

Reed, Albert V., Inglewood, Calif. Fastener. 2,383,079; Aug. 21.

Reed, Robert M., assignor to The Girdler Corporation, Louisville, Ky. Removing hydrogen sulphide from hydrocarbon liquids. 2,383,416; Aug. 21.

Reilly, Frank E., Chicago, and C. Holsinger, River Forest, Ill., assignors to Electrographic Corporation, New York, N. Y. Making curved printing members. 2,383,080; Aug. 21.

Remington Arms Company, Inc.: *See*—
Dorothea, Gale, assignor.
Feinauer, L. R., and Payne, assignors.
Hubbard, Howard W., assignor.
Hyde, George E., Jr., assignor.
Jennings, Paul G., assignor.
Moffitt, Edward J., assignor.
Petersen, Leland B., assignor.
Sink, Russell S., assignor.
Walker, Merle H., assignor.

Renfrew, Malcolm M.: *See*—
Macht, M. L., and Renfrew.

Renno, Donald G., New Haven, Ind., assignor to International Harvester Company. Vehicle body construction. 2,383,417; Aug. 21.

Research Corporation et al.: *See*—
White, Harry J., assignor.

Revair Corporation: *See*—
Enslin, H. E., and Wallace, assignors.

Reynolds, Burl A., Lodi, Calif. Mixing valve. 2,383,215; Aug. 21.

Rhodes, M. H., Inc.: *See*—
Rhodes, Marcus H., assignor.

Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., Hartford, Conn. Escapement. 2,383,418; Aug. 21.

Ribbe, Ruth, Seattle, Wash. Oracle card game. 2,383,081; Aug. 21.

Riddihough, Maurice, assignor to Deloro Smelting & Refining Company Limited, Birmingham, England. Plug gauge. 2,383,341; Aug. 21.

Ries, Edward J.: *See*—
Brune, L. H., and Ries.

Riethof, George, Mount Lebanon, assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa. Separation process. 2,383,016; Aug. 21.

Riley, William H., Pittsburgh, Pa. Hollow propeller. 2,383,342; Aug. 21.

Ritter Company, Inc.: *See*—
Brune, L. H., and Ries, assignors.

Roberts, Albert O.: *See*—
Galamb, J. Roberts, and Chubbuck.

Roberts, Elliott J.: *See*—
Thompson, R. B., and Roberts.

Rolscreen Company: *See*—
Kuyper, Peter H., assignor.

Rossman, Peter F., Snyder, N. Y. Rivet squeezer and the like. 2,383,082; Aug. 21.

Roten, Henry G., Houston, Tex. Scaffold. 2,383,163; Aug. 21.

Rotheraine, Jerome H., Philadelphia, Pa. Garment hanger. 2,383,083; Aug. 21.

Royal Typewriter Company, Inc.: *See*—
Kittel, John J., assignor.

Rubatex Products, Inc.: *See*—
Cooper, Alfred, assignor.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resins. 2,383,084; Aug. 21.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine and Foundry Company. Bowling pin setting machine control mechanism. 2,383,017; Aug. 21.

Runyan, Charles, Great Meadows, N. J. Trailer vehicle. 2,383,216; Aug. 21.

Rutherford Trust Co., administrator: *See*—
Hollstein, Paul.

Rutkowski, Joseph J.: *See*—
Dearstyne, L., and Rutkowski.

Ryan, Alden H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-cylinder short-wave resonator apparatus. 2,383,343; Aug. 21.

Ryder, Charles D., Covington, assignor to The Grote Manufacturing Company, Bellevue, Ky. Mechanical nut. 2,383,164; Aug. 21.

Scane, James W., Windsor, Ontario, Canada. Vehicle jack. 2,383,275; Aug. 21.

Schacht, William F., Huntington, Ind. Cattle marker. 2,383,419; Aug. 21.

Schaffer, Jacob I., New York, N. Y. Secret garment pocket construction. 2,383,217; Aug. 21.

Schmitz, William R., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Material feeding apparatus. 2,383,085; Aug. 21.

Schultz, Maxwell I., Scarsdale, N. Y. Ultraviolet ray applicator. 2,383,421; Aug. 21.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,383,218; Aug. 21.

Schuyler, Charles Y., Philadelphia, Pa. Marked steel bar and marking. 2,383,165; Aug. 21.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,383,219; Aug. 21.

Scoles, Graham J., East Sheen London, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Thermionic valve circuits. 2,383,420; Aug. 21.

Scott, Howard, Forest Hills, and P. R. Kalischer, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Purification of gases. 2,383,344; Aug. 21.

Seabury, Ralph L., and R. A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Manufacture of red lead. 2,383,220; Aug. 21.

Seagram, Joseph E., & Sons, Inc.: *See*—
Willkie, Herman F., assignor.

Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,383,086; Aug. 21.

Seidel, Kamill: *See*—
Miller, R. S., and Seidel.

Seiler, Karl, 3rd, Jenkintown, Pa., assignor to Radio Corporation of America. Reflex converter circuit. 2,383,345; Aug. 21.

Seiwell, Theodore F., Washington, D. C. Sectional plumb and level. 2,383,166; Aug. 21.

Semet-Solvay Engineering Corporation: *See*—
Tiddy, William, assignor.

Shaffer, Cleve F., San Francisco, assignor of thirty per cent to M. C. Mogensen, Martinez, thirty per cent to H. W. Erskine, Piedmont, five per cent to H. J. Fanger, and five per cent to H. Gruenhagen, Oakland, Calif. Combination mortar. 2,383,087; Aug. 21.

Shaffer, Cleve F.: *See*—
Fanger, H. J., Gruenhagen, and Shaffer.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Gun firing solenoid. 2,383,088; Aug. 21.

Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Drop-side crib. 2,383,167; Aug. 21.

Shere, Gerald D., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Flexible bushing. 2,383,018; Aug. 21.

Shurcliff, William A., Washington, D. C., assignor to American Cyanamid Company, New York, N. Y. Spectrophotometer attachment for eliminating specular reflection. 2,383,346; Aug. 21.

Sigmund Corporation: *See*—
Sigmund, F. J., and Hlavin, assignors.

Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors, by mesne assignments, to Sigmund Corporation. Winding element. 2,383,019; Aug. 21.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Dress or skirt trimming mechanism. 2,383,020; Aug. 21.

Silge, Martin, Oakland, Calif. Refractometer. 2,383,347; Aug. 21.

Singer Manufacturing Company, The: *See*—
Abel, George, assignor.
Parry, Frank, assignor.

Singleton, John F., Van, Tex. Chemical feeding pump. 2,383,422; Aug. 21.

Sink, Russell S., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Mass. Geometrical instrument. 2,383,348; Aug. 21.

Skoog, Joseph E., Cranston, R. I. Safety attachment for presses. 2,383,221; Aug. 21.

Slamar, Frank: *See*—
Immel, R. B., and Slamar.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for melting glass. 2,383,168; Aug. 21.

Slicer, Edward W., Colora, Md. Windshield. 2,383,169; Aug. 21.

Slick, Edwin E., Pittsburgh, Pa. Glassware working apparatus. 2,383,349; Aug. 21.

Smetana, Otto F., Concord, N. C. Producing stocking welt construction. 2,383,350; Aug. 21.

Smith, James E., Jackson Heights, N. Y., assignor to Radio Corporation of America. Phase inverter circuit. 2,383,351; Aug. 21.

Smith, Lawrence W., Birmingham, Ala. Flexible stay bolt. 2,383,222; Aug. 21.

Smith, Paul A., assignor to Barber-Greene Company, Aurora, Ill. Differential backstop for conveyers, elevators, etc. 2,383,276; Aug. 21.

Smith, Roscoe M.: *See*—
Sorensen, C. E., and Smith.

Snyder, James E., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Cheese package. 2,383,352; Aug. 21.

Snyder, Leland H., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Searchlight. 2,383,223; Aug. 21.

Society of Chemical Industry in Basle: *See*—
Theiler, Casimir, assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Gorin, Manuel H., assignor.

Solvay Process Company, The: *See*—
Fessler, William A., assignor.

Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Mold. 2,383,224; Aug. 21.

Sorensen, Charles E., Detroit, and R. M. Smith, Ann Arbor, assignors to Ford Motor Company, Dearborn, Mich. Aircraft manufacture. 2,383,225; Aug. 21.

Southern Loom Reed Manufacturing Company, Inc.: *See*—
McLane, Virgle F. and S. F., assignors.

Spargo, John: *See*—
Mader, Emil A., assignor.

Sperry Gyroscope Company, Inc.: *See*—
Beach, L. F., Esval, and Lane, assignors.
Hammond, E. B., and Campbell, assignors.
Haskins, Robert, Jr., assignor.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,383,021; Aug. 21.

Standard Oil Company: *See*—
Adams, E. W., and Flint, assignors.
Oblad, Alex G., assignor.

Staples, Crawford E.: *See*—
Bone, H. L., and Staples.

Steele, Doty M., Los Angeles, Calif. Cupel muffle. 2,383,353; Aug. 21.

Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Air purifying and conditioning system. 2,383,423; Aug. 21.

Stepanoff, Alexey J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pump. 2,383,424; Aug. 21.

Stephenson, Arthur E., et al.: *See*—
Johnson, Clarence D., assignor.

Stephenson, Willie P., et al.: *See*—
Johnson, Clarence D., assignor.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,383,277; Aug. 21.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control mechanism. 2,383,278; Aug. 21.

Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic compounds. 2,383,425; Aug. 21.

Stillson, Gordon H., Oakmont, Pa., and J. B. Fishel, Hagerstown, Md., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Dealkylation of alkylphenols. 2,383,279; Aug. 21.

Stoll, Henry C., Jackson Heights, N. Y. Universal vise. 2,383,170; Aug. 21.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,383,022; Aug. 21.

Stuellein, William H.: *See*—
May, J. W., Stuellein, and Horn.

Sundstrand Machine Tool Co.: *See*—
Wahlmark, Gunnar A., assignor.

Superba Manufacturing Co., Inc.: *See*—
Katz, J., and Majoros, assignors.

Superdraulic Corporation: *See*—
Hoffer, James F., assignor.

Swindle, John A., Whittier, Calif. Liquid meter. 2,383,226; Aug. 21.

Switlik Parachute Company: *See*—
Dearstyne, L., and Rutkowski, assignors.

Sykes, Robert E., and B. H. Moser, assignors to The De Vilbiss Company, Toledo, Ohio. Spray coating machine. 2,383,023; Aug. 21.

Sylvania Electric Products Inc.: *See*—
Demb, Kenneth, assignor.
Maurette, René G., assignor.

Syrovy, Augustin J.: *See*—
Neracher, C. A., Dunn, Iavelli, and Syrovy.

Tanenbaum, Joseph, Toronto, Ontario, Canada. Automobile crane. 2,383,426; Aug. 21.

Tarbox, L. A., Cranford, N. J. Sign device. 2,383,024; Aug. 21.

Taylor, Fred P., Auburn, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel breasting machine. 2,383,025; Aug. 21.

Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,383,354; Aug. 21.

Texas Company, The: *See*—
Goldsby, Arthur R., assignor.
Gross, H. H., and German, assignors.
Weetman, Bruce, assignor.

Thaden Engineering Company: *See*—
Thaden, Herbert V., assignor.

Thaden, Herbert V., assignor to Thaden Engineering Company, Roanoke, Va. Apparatus for producing laminated structures. 2,383,227; Aug. 21.

Theiler, Casimir, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Device for the construction of tight flange joints in lined apparatus. 2,383,089; Aug. 21.

Thomas, Berkley A., et al.: *See*—
Bushnell, Elizabeth W., assignor.

Thomas, Charles L.: *See*—
Ahlberg, J. E., and Thomas.

Thompson, Albert R., Los Gatos, and R. D. Fox, assignors to Food Machinery Corporation, San Jose, Calif. Method and apparatus for preparing asparagus or the like. 2,383,228; Aug. 21.

Thompson, Ernest H., Winnetka, Ill. Empty lock for vending machines. 2,383,229; Aug. 21.

Thompson, Robert B., Wilton, and E. J. Roberts, Westport, Conn., assignors to The Dorr Company, New York, N. Y. Calcium stannate refining. 2,383,427; Aug. 21.

Tiddy, William, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Ammonium salt production. 2,383,171; Aug. 21.

Timken Roller Bearing Company, The: *See*—
Baker, John B., assignor.

Titeflex, Inc.: *See*—
Ingals, David, assignor.

Toleik, John A., Berwyn, Ill. Aluminum alloys. 2,383,026; Aug. 21.

Torok, Julius J., assignor to Corning Glass Works, Corning, N. Y. Electric insulator. 2,383,090; Aug. 21.

Toussaint, Walter J., South Charleston, W. Va., and L. G. MacDowell, Jr., Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation. Making halogenated ethers. 2,383,091; Aug. 21.

Trimble Nurseryland Furniture, Inc.: *See*—
Baxter, William C., assignor.

Trinajstrich, Florian, et al.: *See*—
Phillips, Ellsworth B., assignor.

Trinajstrich, Ludwig, et al.: *See*—
Phillips, Ellsworth B., assignor.

Tryfus, Frederic, Forest Hills, and A. Mendel, New York, N. Y. Carrier means for artificial teeth. 2,383,027; Aug. 21.

Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Subscriber's calling device in electroacoustic transmission apparatus. 2,383,355; Aug. 21.

Tuff-Hard Corporation: *See*—
Endress, Frederick A., assignor.

Twardowski, John J., Philadelphia, Pa. Expanding tool. 2,383,028; Aug. 21.

Ulrich, Theodore, Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body. 2,383,029; Aug. 21.

Ulrich, Theodore, Bridgeport, Conn., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door suspension for vehicles, especially automobiles. 2,383,428; Aug. 21.

Union Switch & Signal Company, The: *See*—
Bone, H. L., and Staples, assignors.

United Gas Improvement Company, The: *See*—
Batchelder, Howard R., assignor.
Weir, Horace M., assignor.

United Shoe Machinery Corporation: *See*—
Taylor, Fred P., assignor.

United States Gypsum Company: *See*—
Huntzicker, Harry N., assignor.
Jessen, Heinrich C., assignor.

United States Time Corporation, The: *See*—
Johnson, Manfred J., assignor.

Universal Oil Products Company: *See*—
Ahlberg, J. E., and Thomas, assignors.
Egloff, Gustav, assignor.
Grapes, Frank E., assignor.
Mattox, William J., assignor.

Van Deventer, H. R., et al.: *See*—
Minto, Wallace L., assignor.

Vickers Incorporated: *See*—
Miller, R. S., and Seidel, assignors.

Voke, Carl E., Norfolk, Va. Manufacture of collapsible tubes and the like. 2,383,230; Aug. 21.

Wagner, Gustav H.: *See*—
Wagner, Harold A. and G. H.

Wagner, Harold A. and G. H., Portland, Oreg. Portable crane. 2,383,172; Aug. 21.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic circuit. 2,383,092; Aug. 21.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Fluid pressure generating means. 2,383,093; Aug. 21.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulically operated control mechanism. 2,383,429; Aug. 21.

Walder, Robert B., Los Angeles, Calif. Air chuck. 2,383,094; Aug. 21.

Walker Manufacturing Company, Incorporated: *See*—
Osteen, Richard T., assignor.

Walker, Merle H., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,383,356; Aug. 21.

Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Submarine net. 2,383,095; Aug. 21.

Wallace, Edgren C.: *See*—
Enslin, H. E., and Wallace.

Waller, E. F., et al.: *See*—
Minto, Wallace L., assignor.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool lubrication system. 2,383,357; Aug. 21.

Warth, Albin H., and P. Grabus, Jr., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cork composition and products made therefrom. 2,383,096; Aug. 21.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airplane seat. 2,383,173; Aug. 21.

Webster, Ronald: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr.

Webster, Towner K., Jr.: *See*—
Den Breejen, A., Amari, Luce, Petty, and R. and T. K. Webster, Jr.

Weetman, Bruce, Glenham, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Bituminous coating compositions and processes. 2,383,097; Aug. 21.

Weir, Horace M., Wynnewood, Pa., assignor to The United Gas Improvement Company. Recovery of valuable hydrocarbons. 2,383,174; Aug. 21.

Weisberg, Max, Brooklyn, N. Y. Mattress construction. 2,383,175; Aug. 21.

Weltman, William C.: *See*—
Auxier, R. W., and Weltman.

Weltman, William C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resins. 2,383,430; Aug. 21.

Western Precipitation Corporation, et al.: *See*—
White, Harry J., assignor.

Westinghouse Air Brake Company, The: *See*—
Down, Sidney G., assignor.
Farmer, Clyde C., assignor.
Hewitt, Ellis E., assignor.
Stevens, Roy R., assignor.

Westinghouse Electric Corporation: *See*—
Auxier, R. W., and Weltman, assignors.
Boden, S. H., and Peek, assignors.
Dailey, Hampton J., assignor.
Dorfman, Hiller D., assignor.
Ellis, Harold E., assignor.
Eunson, W. H., and Graybrook, assignors.
Fritz, Dwain E., assignor.
Hanna, C. R., and Osbon, assignors.
Hansen, Elmer K., assignor.
Hein, Carl C., assignor.
Immel, R. B., and Slamar, assignors.
Lessmann, Gerhard P., assignor.
Ludwig, L. R., and Bergvall, assignors.
Lyle, Frederick W., assignor.
May, J. W., Stuellein, and Horn, assignors.
Ryan, Alden H., assignor.
Schwendner, Anthony F., assignor.
Scott, Howard, and Kallscher, assignors.
Weltman, William C., assignor.

Weyenberg, Henry, assignor to Holland Furnace Company, Holland, Mich. Heating furnace. 2,383,431; Aug. 21.

Wheaton, Frank H., Jr., Millville, N. J. Double-mouthed bottle. 2,383,098; Aug. 21.

White, Harry J., Cambridge, Mass., assignor of one-half to Research Corporation, New York, N. Y., and one-half to Western Precipitation Corporation, Los Angeles, Calif. Electrical precipitation. 2,383,030; Aug. 21.

Whitney, F. A., Carriage Company: *See*—
Shaw, Harold F., assignor.

Wiehl, William J., Roselle, assignor of one-half to Everlasting Valve Company, Jersey City, N. J. Lubricated gate valve. 2,383,099; Aug. 21.

Wight, Ralph L.: *See*—
Oden, T. K., and Wight.

Willey, Irvin A.: *See*—
Boicey, J. H., and Willey.

Williams, Alonzo J., McLoud, Okla. Syringe. 2,383,280; Aug. 21.

Williams, Horace G.: *See*—
Iddings, R. C., Bork, and Williams.

Willkie, Herman F., Prospect, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Distilling spirituous liquors. 2,383,176; Aug. 21.

Willmore, Charles B., New Kensington, Pa., and F. D. Chew, Detroit, Mich., assignors to Aluminum Company of America, Pittsburgh, Pa. Producing magnesium containing beryllium. 2,383,281; Aug. 21.

Wilson, Robert C., Chula Vista, assignor of one-fourth to L. Alcumbrack, Imperial Beach, Calif. Combined electric razor casing and cord support. 2,383,031; Aug. 21.

Wine William E., Toledo, Ohio. Traction unit. 2,383,282; Aug. 21.

Wingfoot Corporation: *See*—
Gardner, Charles E., assignor.
Snyder, James E., assignor.

Witlin, Isadore B., Los Angeles, Calif. Slipper. 2,383,100; Aug. 21.

Wooddell, Charles E.: *See*—
Baumann, H. N., Jr., and Wooddell.

Woods, Joseph F., Middletown, Conn. Internal-combustion engine. 2,383,432; Aug. 21.

Woolson, Harry T., Detroit, A. G. Herrshoff, Grosse Pointe, H. A. Hicks, Detroit, G. H. Parker, Royal Oak, and R. A. Wyatt, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Wheel suspension for motor vehicles. 2,383,101; Aug. 21.

Wormell, Robert L., Coventry, assignor to Courtaulds Limited, London, England. Treatment of casein or the like protein fibers. 2,383,358; Aug. 21.

Worthington Pump and Machinery Corporation: *See*—
Sebald, Joseph F., assignor.

Wurlitzer, Rudolph, Company, The: *See*—
Farny, Cyril, assignor.

Wyatt, Raymond A.: *See*—
Woolsen, H. T., Herreshoff, Hicks, Parker, and Wyatt.

Wyman, Ellsworth: *See*—
Dalzell, C. B., and Wyman.

Zap, Edward F., Los Angeles, Calif. Aerodynamic member. 2,383,102; Aug. 21.

Ziegler, Marc, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn. Frequency modulation receiver. 2,383,359; Aug. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clutch mechanism, Power operated. T. J. Zeller. Re. 22,669; Aug. 21.
Shoes, Making. S. Gallo. Re. 22,667; Aug. 21.
Tank and fuel system for aircraft, Safety. W. W. Paget. Re. 22,668; Aug. 21.

LIST OF DESIGN INVENTIONS

Bath, Baby. P. W. Douglas. 142,253; Aug. 21.
Block for use in applying tire chains. P. C. Lyons. 142,220; Aug. 21.
Bottle and container, Combined. M. Leduc. 142,276; Aug. 21.
Brooch or similar article. A. Katz. 142,214; Aug. 21.
Brooch or similar article. F. Powell. 142,278; Aug. 21.
Button. M. F. and M. E. Lannon. 142,217; Aug. 21.
Cabinet, Kitchen. H. W. Miller. 142,242–3; Aug. 21.
Calculator. A. H. Mueller. 142,226; Aug. 21.
Calendar, Deportment. D. P. Stanton. 142,265; Aug. 21.
Carrier, Bottle. H. U. Dernehl. 142,272; Aug. 21.
Case or the like, Combined cigarette and ashtray. A. Brunschwig. 142,271; Aug. 21.
Case, Merchandise display. H. P. Glass. 142,256; Aug. 21.
Casing, Fan. W. J. Campbell. 142,252; Aug. 21.
Chair. A. E. Jones. 142,239; Aug. 21.
Charger, Gun. C. J. Schuler. 142,246; Aug. 21.
Clothespin. W. K. Vining. 142,249; Aug. 21.
Container or the like, Lipstick. L. Renaud. 142,228; Aug. 21.
Cover, Watch case. L. Saks. 142,230; Aug. 21.
Crib and cabinet, Combination. A. E. Vandeventer. 142,266; Aug. 21.
Desk and trunk, Combined field. F. T. Paden. 142,262; Aug. 31.
Dial, Radio. L. A. Kuffel. 142,216; Aug. 21.
Dial, Radio. L. A. Kuffel. 142,258–9; Aug. 21.
Display for packaged commodities, Counter. R. B. Wemyss. 142,268; Aug. 21.
Distributor, Playing card. V. D. Brittingham. 142,270; Aug. 21.
Doll. F. R. Jenkins. 142,213; Aug. 21.
Earring. F. Morrow. 142,290; Aug. 21.
Eye shield front. W. C. Moeller. 142,221; Aug. 21.
Figure, Display. W. L. Stensgaard. 142,233; Aug. 21.
Flashlight. J. G. Lippincott. 142,277; Aug. 21.
Form device, Tax. J. W. Honeycutt. 142,238; Aug. 21.
Funnel combination unit, Straining. R. T. Frost. 142,255; Aug. 21.
Gas analyzing apparatus. A. I. Newman. 142,227; Aug. 21.
Game board. D. D. Gruver. 142,212; Aug. 21.
Game board. W. G. Williams. 142,236; Aug. 21.
Generating unit, Fluid fuel burning steam and hot water. W. Leigemann. 142,218; Aug. 21.
Gun or similar article. C. S. Wheatley. 142,269; Aug. 21.
Hamper, Clothes. J. J. Kohen. 142,274–5; Aug. 21.
Handle for cooking vessels and the like. A. F. Ramsthal. 142,245; Aug. 21.
Handle or lift for cooking vessels and the like, Side. A. F. Ramsthal. 142,264; Aug. 21.
Heater or the like. C. A. Lindberg and H. W. Eckles. 142,219; Aug. 21.
Holder, Refuse bag. J. L. Mayer. 142,286; Aug. 21.
Housing of a two-cycle gas engine. M. F. Schmidt. 142,279; Aug. 21.
Horse, Rocking. C. C. Cash. 142,210; Aug. 21.
Housing, Tractor. H. Dreyfuss and T. Brown. 142,254; Aug. 21.
Lighter, Pocket. J. O. McMillan and R. E. Parker. 142,241; Aug. 21.
Mirror, Safety view. F. F. Latshaw. 142,248; Aug. 21.
Motor for operating movable parts of an airplane. R. M. Heintz. 142,273; Aug. 21.
Ornament, Desk. M. C. Keating. 142,284; Aug. 21.
Pendant or similar article, Luminous. J. A. Kelly. 142,285; Aug. 21.
Pin or similar article, Insignia. C. M. Bradbury. 142,209; Aug. 21.
Pin or similar article, Jewelry. F. Morrow. 142,222; Aug. 21.
Pin or similar article, Jewelry. F. Morrow. 142,223–5; Aug. 21.
Pin or similar article, Jewelry. F. Morrow. 142,288–9; Aug. 21.
Pin or similar article, Jewelry. F. Morrow. 142,292; Aug. 21.
Pipe, Smoker's. K. C. Bugg. 142,280; Aug. 21.
Power handsaw, Rotary. L. Varrik. 142,235; Aug. 21.
Propeller, Fan. B. Lee. 142,260; Aug. 21.
Ring. H. J. Sudbrink. 142,234; Aug. 21.
Screwdriver or similar article. G. M. Walraven. 142,267; Aug. 21.
Shade or similar article, Light. W. H. Miller. 142,287; Aug. 21.
Slipper. J. D. Ferriso. 142,281; Aug. 21.
Slipper, House. M. P. Hiestand. 142,282; Aug. 21.
Spoon or similar article of flatware. S. Summon. 142,291; Aug. 21.
Strap or similar article, Watch. S. Kaufman. 142,215; Aug. 21.
Table. B. R. Glukes. 142,211; Aug. 21.
Table, Ironing. C. E. Meyerhoefer. 142,261; Aug. 21.
Tank, Submarine. C. Hill. 142,247; Aug. 21.
Tool, Combined. L. Pierre. 142,263; Aug. 21.
Toy automobile. E. R. Roach. 142,229; Aug. 21.
Toy fortress. R. M. Anthony. 142,250; Aug. 21.
Toy or similar article, Rocking. A. Horowitz. 142,257; Aug. 21.
Toy, Wheeled. E. E. Atkinson. 142,208; Aug. 21.
Tractor. T. Brown and H. Dreyfuss. 142,251; Aug. 21.
Tray, Combined bread and butter. C. R. Snoke. 142,231–2; Aug. 21.
Vessel or article of similar nature, Cooking. A. F. Ramsthal. 142,244; Aug. 21.
Visor, Sun. B. Goldberg. 142,237; Aug. 21.
Warmer, Baby food. M. Hirsch. 142,283; Aug. 21.
Wheel trim or similar article. G. A. Lyon. 142,240; Aug. 21.

LIST OF INVENTIONS

FOR WHICH.

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive material, Aluminous. H. N. Baumann, Jr., and C. E. Wooddell. 2,383,035; Aug. 21.
Acetylsulphanilyl chloride. M. E. Hultquist. 2,383,128; Aug. 21.
Acid esters of alkylated 1,4-naphtho-hydroquinones and manufacture of same. W. Karrer. 2,383,392; Aug. 21.
Acyl quinone sulphonamides as printing aids. R. H. Kienle and C. A. Amick. 2,383,393; Aug. 21.
Adjustable closed or sealed container. H. Carew. 2,383,290; Aug. 21.
Aerodynamic member. E. F. Zap. 2,383,102; Aug. 21.
Air chuck. R. B. Walder. 2,383,094; Aug. 21.
Air cleaner. W. O. Bechman. 2,383,364; Aug. 21.
Air cleaner. J. E. Ludwig, Sr. 2,383,138; Aug. 21.
Aircraft. C. E. McGuire. 2,383,139; Aug. 21.
Aircraft manufacture. C. E. Sorensen and R. M. Smith. 2,383,225; Aug. 21.
Airplane seat. M. Watter. 2,383,173; Aug. 21.
Aliphatic carboxylic acid with sulphuryl chloride and products thereof, Reaction of saturated. M. S. Kharasch. 2,383,320; Aug. 21.
Alkamine derivatives of o-alkoxymethyl benzoic acid. R. P. Parker and A. J. Hill. 2,383,074; Aug. 21.
Alkylphenols, Dealkylation of. G. H. Stillson and J. B. Fishel. 2,383,279; Aug. 21.
Alloys, Aluminum. J. A. Toleik. 2,383,026; Aug. 21.
Ammonium salt production. W. Tiddy. 2,383,171; Aug. 21.
Ammunition. G. E. Hyde, Jr. 2,383,315; Aug. 21.
Angle and distance gauge. R. L. Ebinger and C. E. Meree. 2,383,243; Aug. 21.
Anhydride-terpene reaction products and producing same, Modified maleic. W. E. Lundquist. 2,383,399; Aug. 21.
Antenna apparatus, Loop. W. J. Polydoroff. 2,383,415; Aug. 21.
Anthraquinone derivatives. G. D. Buckley and H. A. Piggott. 2,383,236; Aug. 21.
Apparatus for inducing respiration. H. E. Enslin and E. C. Wallace. 2,383,181; Aug. 21.
Apparatus for making corrugated tubing. D. Ingalls. 2,383,253; Aug. 21.
Apparatus for melting glass. G. Slayter. 2,383,168; Aug. 21.
Apparatus for polishing optical flats. P. Kirsch. 2,383,131; Aug. 21.
Apparatus for rustproofing the inside of gasometer bells. F. Maurer and R. Laquay. 2,383,402; Aug. 21.
Apparatus for treating chocolate and similar materials. P. Hollstein. 2,383,387; Aug. 21.
Arbor, Expanding. M. L. and S. S. Benjamin. 2,383,036; Aug. 21.
Arsenic chloride, Making. C. F. Booth. 2,383,105; Aug. 21.
Asparagus or the like, Method and apparatus for preparing. A. R. Thompson and R. D. Fox. 2,383,228; Aug. 21.
Attachment for hand trucks. P. G. Gilbert. 2,382,989; Aug. 21.
Attachment for presses, Safety. J. E. Skoog. 2,383,221; Aug. 21.
Automatic drain valve. C. C. Farmer. 2,383,244; Aug. 21.
Automatic electrical air cleaner. V. Dahlman. 2,383,112; Aug. 21.
Automatic voltage regulator. J. L. Hathaway. 2,383,309; Aug. 21.
Azo-dyestuffs from 5-amino coumaran. H. Z. Lecher, R. P. Parker, and R. S. Long. 2,383,264; Aug. 21.
Backstop for conveyers, elevators, etc., Differential. P. A. Smith. 2,383,276; Aug. 21.
Bag holder. J. C. Broome. 2,383,366; Aug. 21.
Balancing method and apparatus. M. S. Merrill and C. M. Hathaway. 2,383,405; Aug. 21.
Ball bearing. H. O. Coddington. 2,382,975; Aug. 21.
Balloon, Display. H. E. Jacobs. 2,383,390; Aug. 21.
Battery system and cleaning apparatus therefor, Poultry. R. L. Lovell. 2,383,326; Aug. 21.
Bearing: *See*—
  Ball bearing. Roller bearing.
Bench back. R. A. Campbell. 2,383,041; Aug. 21.
Beta amylose-iodine compound and the production of the same. W. L. Minto. 2,383,334; Aug. 21.
Bicycle. J. A. McLean. 2,383,000; Aug. 21.
Binder, Post. S. G. Johnson. 2,383,062; Aug. 21.
Binding, Ski. A. B. Lanz. 2,383,064; Aug. 21.
Binoculars with polarized light filters. C. J. Glasser. 2,383,186; Aug. 21.
Block: *See*—
  Concrete wall building block.
Board: *See*—
  Electric maneuvering board.
Body construction, Vehicle. D. G. Renno. 2,383,417; Aug. 21.
Boiler: *See*—
  Steam boiler.
Bolt and mounting therefor. J. A. MacLean, Jr. 2,383,068; Aug. 21.
Bottle carrier. H. J. Fischer. 2,383,183; Aug. 21.
Bottle, Double-mouthed. F. H. Wheaton, Jr. 2,383,098; Aug. 21.
Bowling pin setting machine control mechanism. R. E. Rundell. 2,383,017; Aug. 21.
Brake arrangement. P. W. Gaenssle. 2,383,376; Aug. 21.
Brake cylinder release means. S. G. Down. 2,383,242; Aug. 21.
Brake mechanism. C. L. Eksergian. 2,383,374; Aug. 21.
Brake mechanism. C. L. Eksergian and P. W. Gaenssle. 2,383,375; Aug. 21.
Bridge or crane, Interlocking transfer. F. W. Everard. 2,383,051; Aug. 21.
Bucket, Excavating. R. O. Billings. 2,382,955; Aug. 21.
Bushing, Flexible. G. D. Shere. 2,383,018; Aug. 21.
Butadiene, Manufacture of. W. J. Mattox. 2,383,205; Aug. 21.
Button. M. Cohen. 2,383,238; Aug. 21.
Cable: *See*—
  Transmission cable.
Cage for roller bearings. J. B. Baker. 2,383,233; Aug. 21.
Calcining process and apparatus. H. C. Jessen. 2,383,254; Aug. 21.
Calcium stannate refining. R. B. Thompson and E. J. Roberts. 2,383,427; Aug. 21.
Capsule. J. J. Curry. 2,382,978; Aug. 21.
Car construction, Rail. A. G. Dean. 2,383,372; Aug. 21.
Car end structure, Rail. A. G. Dean. 2,383,371; Aug. 21.
Card game, Oracle. R. Ribbe. 2,383,081; Aug. 21.
Carrier: *See*—
  Bottle carrier.
Carrier means for artificial teeth. F. Tryfus and A. Mendel. 2,383,027; Aug. 21.
Cart and loader, Vegetable. J. W. Orendorff. 2,383,412; Aug. 21.
Casein or the like protein fibers, Treatment of. R. L. Wormell. 2,383,358; Aug. 21.
Casting apparatus and process, Continuous. C. W. Hazelett. 2,383,310; Aug. 21.
Catalysts, Manufacture of. J. E. Ahlberg and C. L. Thomas. 2,382,951; Aug. 21.
Catalytic process. M. H. Gorin. 2,383,123; Aug. 21.
Catch, Safety. E. Morehouse. 2,383,012–13; Aug. 21.
Cathode-ray deflecting means. S. Hensen. 2,383,308; Aug. 21.
Centrifuging machine. H. Crewdson. 2,383,240; Aug. 21.
Ceramic color, Application of. E. Hardesty. 2,383,190–1; Aug. 21.
Chair: *See*—
  Folding highchair. Hospital chair.
Channel, Circulating water. C. A. Lee. 2,382,999; Aug. 21.
Cheese package. J. E. Snyder. 2,383,352; Aug. 21.
Chemical feeding pump. J. F. Singleton. 2,383,422; Aug. 21.
Chemical process. H. R. Batchelder. 2,383,363; Aug. 21.
Chewing gum base. J. E. Moose. 2,383,145; Aug. 21.
Chuck, Collet. E. B. Phillips. 2,383,156; Aug. 21.
Circuit: *See*—
  Hydraulic circuit. Reflex converter circuit.
  Phase inverter circuit.
Circuit breaker. S. H. Boden and H. L. Peek. 2,383,288; Aug. 21.
Circuit breaker. J. W. May, W. H. Stuellein, and M. E. Horn. 2,383,403; Aug. 21.
Circuit breaker, Enclosed. H. D. Dorfman. 2,383,296; Aug. 21.
Circuit for cathode ray tubes, Sweep. V. E. Milward. 2,383,333; Aug. 21.
Clamp: *See*—
  Hose clamp.
Clamp. F. J. Pringle. 2,383,078; Aug. 21.
Clamping device. E. L. Jacob. 2,383,435; Aug. 21.
Cleaner: *See*—
  Air cleaner.
  Automatic electrical air cleaner.
Clip for car ornaments, Attaching. C. A. Buick. 2,383,237; Aug. 21.

Closure. R. C. Pratt. 2,383,015; Aug. 21.
Clutch. A. Y. Dodge. 2,383,295; Aug. 21.
Coating compositions and processes, Bituminous. B. Weetman. 2,383,097; Aug. 21.
Cock, Plug. G. E. Franck. 2,383,054; Aug. 21.
Coffee maker. R. H. Moore. 2,383,144; Aug. 21.
Column head for batch fractionating columns. N. Evans and P. Docksey. 2,383,377; Aug. 21.
Communication system. R. H. Herrick. 2,383,312; Aug. 21.
Commutator-seasoning apparatus. W. H. Eunson and H. W. Graybrook. 2,383,300; Aug. 21.
Compensator, Hydraulic fluid volume. H. R. Ellinwood. 2,383,180; Aug. 21.
Composing and distributing machine, Typographical. J. C. Plastaras. 2,383,158; Aug. 21.
Compressor head and governor assembly. E. E. Hewitt. 2,383,251; Aug. 21.
Compressor throttling apparatus. E. E. Hewitt. 2,383,250; Aug. 21.
Concrete wall building block. E. B. Johnson and A. A. Kaehler. 2,383,317; Aug. 21.
Condensation device for retorts. D. L. Newkirk and E. E. Ensign. 2,383,209; Aug. 21.
Connection for electric motors, Delayed-start. D. E. Fritz. 2,383,303; Aug. 21.
Connector. H. V. Harding. 2,383,124; Aug. 21.
Contact and terminal for electric switches, Combination. E. N. Jacobi. 2,382,996; Aug. 21.
Contact for copper oxide rectifiers. C. C. Hein. 2,383,311; Aug. 21.
Container: *See*—
Adjustable closed or sealed container.
Portable container.
Reclosable metal container.
Control apparatus. A. F. Schwendner. 2,383,219; Aug. 21.
Control apparatus. R. R. Stevens. 2,383,277; Aug. 21.
Control mechanism, Fluid pressure. R. R. Stevens. 2,383,278; Aug. 21.
Control system, Frequency. W. S. Marks. 2,383,005; Aug. 21.
Cork composition and products made therefrom. A. H. Warth and P. Grabus, Jr. 2,383,096; Aug. 21.
Coupling: *See*—
Detachable coupling.
Coupling with check valve, Hose. P. M. Hardwick. 2,383,249; Aug. 21.
Crane, Automobile. J. Tanenbaum. 2,383,426; Aug. 21.
Crane, Portable. H. A. and G. H. Wagner. 2,383,172; Aug. 21.
Crib, Drop-side. H. F. Shaw. 2,383,167; Aug. 21.
Crystal. W. E. Kuenstler. 2,383,262; Aug. 21.
Cutting machine. R. A. Mustered. 2,383,208; Aug. 21.
Cutting machinery, Bias. J. Katz and F. P. Majoros. 2,382,997; Aug. 21.
Cyanohydrins, Acetylation of. H. Z. Lecher and J. K. Dixon. 2,383,137; Aug. 21.
Cylinder, Brake. S. G. Down. 2,383,241; Aug. 21.
Damper, Vibration. F. R. McFarland. 2,383,400; Aug. 21.
Demodulator device for frequency and amplitude modulation. E. H. Lange. 2,383,323; Aug. 21.
Detachable coupling. A. W. Miller. 2,383,010; Aug. 21.
Detergent composition. T. E. De Villiers. 2,383,114; Aug. 21.
Device for arranging articles on conveying means. H. O. and O. C. Niederer. 2,383,270; Aug. 21.
Device for cutting linoleum and the like. G. H. Callaghan. 2,383,368; Aug. 21.
Device for insertion into keyholes for obstructing same to prevent unauthorized entry. O. J. Lofqwist. 2,383,397; Aug. 21.
Device for the construction of tight flange joints in lined apparatus. C. Theiler. 2,383,089; Aug. 21.
Diaphragm pump. E. H. Herbert. 2,383,193; Aug. 21.
Diaryl hydrazines, Preparation of symmetrical. H. T. Lacey and R. E. Broullard. 2,383,134; Aug. 21.
Dienes, Polymerization of conjugated. C. F. Fryling. 2,383,055; Aug. 21.
Dispensing device. W. O. Brown. 2,383,367; Aug. 21.
Dividing system, Electric frequency. B. Drake. 2,383,177; Aug. 21.
Door latch mechanism. J. Abernethy. 2,383,032; Aug. 21.
Door locking system. J. W. Fitz Gerald. 2,382,985; Aug. 21.
Door suspension for vehicles, especially automobiles. T. Ulrich. 2,383,428; Aug. 21.
Double-action piston rod. R. C. Laurain. 2,383,136; Aug. 21.
Drawing wires. J. T. Ferenci. 2,383,118; Aug. 21.
Dyestuff intermediates. J. D. Kendall. 2,383,255; Aug. 21.
Egg separator. I. J. Fedje. 2,383,245; Aug. 21.
Ejecting device, Cigarette. N. P. Courtney. 2,382,977; Aug. 21.
Electric lamp screen. G. H. Elg. 2,383,116; Aug. 21.
Electric maneuvering board. W. H. T. Holden. 2,382,994; Aug. 21.
Electric razor casing and cord support, Combined. R. C. Wilson. 2,383,031; Aug. 21.
Electrical apparatus. D. Conlan. 2,383,100; Aug. 21.
Electrical precipitation. H. J. White. 2,383,030; Aug. 21.
Electrical system. L. R. Ludwig and R. C. Bergvall. 2,383,327; Aug. 21.
Electricity conductor unit. L. G. Morten and J. P. O'Brien. 2,383,014; Aug. 21.
Electromagnetic apparatus, Vibratory. H. V. Harding. 2,383,382; Aug. 21.
Engine: *See*—
Internal-combustion engine.
Two-cycle solid-fuel injection supercharged engine.
Engine. A. M. Porter. 2,383,213; Aug. 21.
Engine controller. C. H. Jorgensen. 2,383,198; Aug. 21.
Engine frame. A. L. Bayles. 2,383,285; Aug. 21.
Erection device for gyro verticals. R. Haskins, Jr. 2,382,993; Aug. 21.
Escapement. M. H. Rhodes. 2,383,418; Aug. 21.
Ethenoid monomers, Polymerization of. B. M. Marks. 2,383,069; Aug. 21.
Ethers, Making halogenated. W. J. Toussaint and L. G. MacDowell, Jr. 2,383,091; Aug. 21.
Ethers, Stabilizing cellulose. S. L. Bass, L. A. Rauner, and P. H. Lipke, Jr. 2,383,361; Aug. 21.
Exothermic reaction charge. C. A. Cadwell. 2,383,040; Aug. 21.
Expanding tool. J. J. Twardowski. 2,383,028; Aug. 21.
Eyeglasses. G. Courtney. 2,382,962; Aug. 21.
Fastener. A. V. Reed. 2,383,079; Aug. 21.
Fastener assembly. G. Cannova. 2,382,973; Aug. 21.
Fastening device. J. B. Parsons. 2,383,154; Aug. 21.
Fastening devices, Forming. H. W. Kost. 2,383,133; Aug. 21.
Feed carriage assembly for lathes. R. G. Le Tourneau. 2,383,266; Aug. 21.
Filing device, Saw. M. Orskog. 2,383,151; Aug. 21.
Filter: *See*—
Fluid filter.
Filter unit and making the same. P. F. McDermott. 2,383,066; Aug. 21.
Firearm. M. H. Walker. 2,383,356; Aug. 21.
Fire extinguisher. J. C. Eckert, Jr. 2,383,048; Aug. 21.
Fire extinguisher. R. C. Iddings, E. R. Bork, and H. G. Williams. 2,383,129; Aug. 21.
Fire resistant portfolio, document folder, or the like. H. Clbert. 2,383,108; Aug. 21.
Fishhook. T. K. Oden and R. L. Wight. 2,383,073; Aug. 21.
Fish lure. O. A. Fiskaali. 2,383,246; Aug. 21.
Fixture, Curtain rod or drapery. A. A. Allen. 2,383,104; Aug. 21.
Fixture, Lighting. R. G. Maurette. 2,383,007; Aug. 21.
Fixture, Shoeshine. J. G. Nevin. 2,383,150; Aug. 21.
Flexible stay bolt. L. W. Smith. 2,383,222; Aug. 21.
Floor polishing device. W. A. Boettcher. 2,382,969; Aug. 21.
Fluid filter. S. K. Lehman. 2,383,065; Aug. 21.
Fluid pump. J. F. Hoffer. 2,383,059–60; Aug. 21.
Focusing means for cameras. V. E. Pratt. 2,383,161; Aug. 21.
Folding high chair. H. Howe. 2,383,127; Aug. 21.
Frame: *See*—
Engine frame.
Frequency modulation receiver. M. Ziegler. 2,383,359; Aug. 21.
Fruit. Method and apparatus for pitting. B. C. Coons. 2,382,961; Aug. 21.
Fuel system. R. R. Curtis. 2,383,369; Aug. 21.
Furnace: *See*—
Heat-treating furnace.
Heating furnace.
Metallurgical induction furnace.
Game device. J. W. Patterson. 2,383,210; Aug. 21.
Garment hanger. J. H. Rotheraine. 2,383,083; Aug. 21.
Garment pocket construction, Secret. J. I. Schaffer. 2,383,217; Aug. 21.
Garment treating form. R. Mittelstadt. 2,383,011; Aug. 21.
Gases, Purification of. H. Scott and P. R. Kalischer. 2,383,344; Aug. 21.
Gauge: *See*—
Angle and distance gauge.
Plug gauge.
Generating means, Fluid pressure. G. A. Wahlmark. 2,383,093; Aug. 21.
Geometrical instrument. P. G. Jennings. 2,383,316; Aug. 21.
Geometrical instrument. R. S. Sink. 2,383,348; Aug. 21.
Glassware working apparatus. E. E. Slick. 2,383,349; Aug. 21.
Governor for internal-combustion engines, Mechanical. W. E. Armstrong. 2,382,952; Aug. 21.
Grease, Protective. J. D. Morgan and R. E. Lowe. 2,383,148; Aug. 21.
Greases, Low temperature. J. D. Morgan. 2,383,147; Aug. 21.
Gyroscopes, Controlling means for. W. H. Newell. 2,383,409; Aug. 21.
Handhole closure. C. F. Kramer and H. F. Cromwell. 2,383,200; Aug. 21.
Hanger: *See*—
Garment hanger.
Trouser hanger.
Hanger for bags and like receptacles, Garment. S. Meyer. 2,383,009; Aug. 21.
Harvester-thresher and the like. O. A. Appel. 2,382,965; Aug. 21.

Hat adjusting means. S. Lipton. 2,383,396; Aug. 21.
Heat control device. L. W. Cook. 2,383,291; Aug. 21.
Heat exchange device. C. B. Dalzell and E. Wyman. 2,383,292; Aug. 21.
Heat-treating furnace. E. K. Hansen. 2,383,307; Aug. 21.
Heat-treating system. J. M. Lee. 2,383,203; Aug. 21.
Heating apparatus. W. A. Griswold. 2,383,188; Aug. 21.
Heating furnace. H. Weyenberg. 2,383,431; Aug. 21.
Heddle frame support. R. T. Osteen. 2,383,271; Aug. 21.
Heel breasting machine. F. P. Taylor. 2,383,025; Aug. 21.
Hitch, Tractor. R. T. Evans and J. H. Clasen. 2,383,182; Aug. 21.
Holder: *See*—
Bag holder.
Opposed angle brush holder.
Holder and dispenser, Hairpin. J. C. Morrell. 2,383,207; Aug. 21.
Holder for electric lanterns, Extensible battery cell. W. M. Moxley. 2,383,337; Aug. 21.
Hose clamp. W. Kitts. 2,383,199; Aug. 21.
Hospital chair. E. W. Bushnell. 2,383,039; Aug. 21.
Hydraulic circuit. G. A. Wahlmark. 2,383,092; Aug. 21.
Hydraulically operated control mechanism. G. A. Wahlmark. 2,383,429; Aug. 21.
Hydrocarbon conversion. W. A. Schulze. 2,383,218; Aug. 21.
Hydrocarbon emulsions, Separation of. H. R. Batchelder. 2,383,362; Aug. 21.
Hydrocarbons, Extraction of. H. H. Gross and I. F. German, Jr. 2,383,057; Aug. 21.
Hydrocarbons, Recovery of valuable. H. M. Weir. 2,383,174; Aug. 21.
Hydrocarbons, Treatment of. W. J. Mattox. 2,383,206; Aug. 21.
Hydrogen sulphide from hydrocarbon liquid, Removing. R. M. Reed. 2,383,416; Aug. 21.
Igniting a torch under water, Means for. M. di Zoppola. 2,383,046; Aug. 21.
Impeller and closure, Combined. E. A. Mader. 2,383,001; Aug. 21.
Impeller and closure, Combined. E. A. Mader. 2,383,004; Aug. 21.
Impeller and governor for same. E. A. Mader. 2,383,002; Aug. 21.
Implement, Agricultural. J. L. Hipple. 2,383,386; Aug. 21.
Implement, Agricultural. G. H. Miller. 2,383,407; Aug. 21.
Indicator: *See*—
Liquid level indicator.
Indicating appliance, Deep hole. E. V. Page. 2,383,272; Aug. 21.
Infant's folding toilet seat. W. C. Baxter. 2,382,953; Aug. 21.
Input system for radio receivers, Loop. G. L. Beers. 2,383,286; Aug. 21.
Insecticidal mixture. R. J. Geary. 2,383,304; Aug. 21.
Inspecting machine, Article. G. Dorothea. 2,383,297; Aug. 21.
Insulator, Electric. J. J. Torok. 2,383,090; Aug. 21.
Internal-combustion engine. J. F. Woods. 2,383,432; Aug. 21.
Iron: *See*—
Waffle iron.
Jack: *See*—
Lifting jack.
Vehicle jack.
Jack attachment. C. D. Johnson. 2,383,061; Aug. 21.
Jig, Soldering. H. W. Hubbard. 2,383,314; Aug. 21.
Joint construction. W. A. Flumerfelt. 2,383,378; Aug. 21.
Laminated structures, Apparatus for producing. H. V. Thaden. 2,383,227; Aug. 21.
Lamp and manufacture thereof, Flash. M. Pipkin. 2,383,076; Aug. 21.
Lead, Manufacture of red. R. L. Seabury and R. A. Daily. 2,383,220; Aug. 21.
Lead pigments and methods of making same. L. E. Barton. 2,383,284; Aug. 21.
Lifting jack. G. E. Le Veque. 2,383,204; Aug. 21.
Lighting system. J. W. Lawson. 2,383,202; Aug. 21.
Liquid level indicator. F. E. Grapes. 2,383,187; Aug. 21.
Liquid meter. J. A. Swindle. 2,383,226; Aug. 21.
Liquid purification. L. R. Feinauer and R. S. Payne. 2,383,302; Aug. 21.
Liquors, Distilling spirituous. H. F. Willkie. 2,383,176; Aug. 21.
Lock for vending machines, Empty. E. H. Thompson. 2,383,229; Aug. 21.
Locking device, Slide fastener tab. A. E. Johnson. 2,383,197; Aug. 21.
Loom reed. V. F. and S. F. McLane. 2,383,140; Aug. 21.
Loop, Slide. G. H. Elwell. 2,383,049; Aug. 21.
Loop, Slide. G. H. Elwell. 2,383,298; Aug. 21.
Lubricants. E. W. Adams and G. W. Flint. 2,383,033; Aug. 21.
Lubricants. J. D. Morgan. 2,383,146; Aug. 21.
Lubricated gate valve. W. J. Wiehl. 2,383,099; Aug. 21.
Lubricating device for sewing machine loop-takers. F. Parry. 2,383,152; Aug. 21.
Machine tool lubrication system. J. M. Walter. 2,383,357; Aug. 21.
Magnesium containing beryllium, Producing. C. B. Willmore and F. D. Chew. 2,383,281; Aug. 21.
Manacle. W. M. Powell. 2,383,077; Aug. 21.
Marked steel bar and marking. C. V. Schuyler. 2,383,165; Aug. 21.
Marker, Cattle. W. F. Schacht. 2,383,419; Aug. 21.
Marker, Sheet pile. B. L. Kleinschmidt. 2,382,998; Aug. 21.
Material feeding apparatus. W. R. Schmitz, Jr. 2,383,085; Aug. 21.
Mattress construction. M. Weisberg. 2,383,175; Aug. 21.
Metalworking apparatus, Electromagnetic vibratory. H. V. Harding. 2,383,383; Aug. 21.
Metallurgical induction furnace. J. C. Harris, Jr. 2,383,384; Aug. 21.
Meter: *See*—
Liquid meter.
Milk product and the preparation thereof, Dry. D. E. Mook. 2,383,070; Aug. 21.
Mixing valve. B. A. Reynolds. 2,383,215; Aug. 21.
Mold. C. E. Sorensen. 2,383,224; Aug. 21.
Monosulphide preparation, Tetraalkylthiuram. E. Kay. 2,383,318; Aug. 21.
Mortar, Combination. C. F. Shaffer. 2,383,087; Aug. 21.
Motor control, Single-phase. H. E. Ellis. 2,382,983; Aug. 21.
Motor fuel, Manufacture of. A. R. Goldsby. 2,383,056; Aug. 21.
Mounting: *See*—
Opthalmic mounting.
Wheel mounting.
Mounting device for projectiles. H. J. Fanger, H. Gruenhagen, and C. F. Shaffer. 2,383,053; Aug. 21.
Mouthpiece wiper for metal pots of typographical casting machines. J. C. Plastaras. 2,383,160; Aug. 21.
Muffle, Cupel. D. M. Steele. 2,383,353; Aug. 21.
N-hydrocarbon-substituted alkanolamine salts of halophenols. G. H. Coleman. 2,382,976; Aug. 21.
Nonskidding device. T. Malmqvist. 2,383,267; Aug. 21.
Nozzle. T. W. Burnam. 2,383,433; Aug. 21.
Nutlock. E. C. Anderton. 2,383,231; Aug. 21.
Nut, Mechanical. C. D. Ryder. 2,383,164; Aug. 21.
Nut, Spring. G. W. Plumb. 2,383,211; Aug. 21.
Nut, Wing. A. E. Maage, Jr. 2,383,141; Aug. 21.
Oil from avocados, Extracting. H. T. Love. 2,383,398; Aug. 21.
Oils, Polymerization of. W. T. Hancock. 2,383,189; Aug. 21.
Ophthalmic mounting. W. C. Eaton and W. Leduc. 2,382,980; Aug. 21.
Ophthalmic mounting. E. M. Splaine. 2,383,021; Aug. 21.
Opposed-angle brush holder. G. P. Lessmann. 2,383,325; Aug. 21.
Oscillator. S. Beaudoin. 2,382,954; Aug. 21.
Oven, Gas heated cooking. A. F. Oatley. 2,383,410; Aug. 21.
Oxidation removing process. H. L. R. Hovis. 2,383,434; Aug. 21.
Pack, Parachute. L. Dearstyne and J. J. Rutkowski. 2,383,293; Aug. 21.
Package. J. Illion. 2,383,389; Aug. 21.
Packaging. C. E. Gardner. 2,382,987; Aug. 21.
Phase inverter circuit. J. E. Smith. 2,383,351; Aug. 21.
Phonographic lens. M. A. Durand. 2,383,115; Aug. 21.
Piano action, Vertical. C. Farny. 2,383,301; Aug. 21.
Planter. J. W. Orendorff. 2,383,413; Aug. 21.
Plaster retarder, Making. H. N. Huntzicker. 2,383,252; Aug. 21.
Plastic sheet material, Process and apparatus for the production. H. Dreyfus. 2,383,047; Aug. 21.
Plow. F. L. Dewey. 2,383,373; Aug. 21.
Plow. C. G. Strandlund. 2,383,022; Aug. 21.
Plug gauge. M. Riddihough. 2,383,341; Aug. 21.
Plumb and level, Sectional. T. F. Selwell. 2,383,166; Aug. 21.
Polymerizable compound, Stabilization of. E. L. Cline. 2,383,043; Aug. 21.
Polymerization of unsaturated organic compounds. W. D. Stewart. 2,383,425; Aug. 21.
Portable container. H. J. Hanson. 2,383,058; Aug. 21.
Positioning apparatus, Work. L. Meister. 2,383,008; Aug. 21.
Post, Steering. E. F. Pawsat. 2,383,273; Aug. 21.
Power plant, Jet propulsion. C. P. Heintze. 2,383,385; Aug. 21.
Power transmission. C. A. Neracher, W. T. Dunn, T. Iavelli, and A. J. Syrovy. 2,383,149; Aug. 21.
Precipitator, Automatic electrical. V. Dahlman. 2,383,111; Aug. 21.
Printing machine, Photographic. G. C. Garraway. 2,382,988; Aug. 21.
Printing members, Making curved. F. E. Reilly and C. Holsinger. 2,383,080; Aug. 21.
Propeller, Hollow. W. H. Riley. 2,383,342; Aug. 21.
Propellers, Airing of antitorque. E. Bossi. 2,383,038; Aug. 21.
Protective apparatus. H. W. Hoffman and G. H. Helmer. 2,383,313; Aug. 21.
Protective system. A. J. McConnell. 2,383,329; Aug. 21.

Pump: *See*—
Chemical feeding pump. Fluid pump.
Diaphragm pump. Reciprocating pump.
Pump. P. R. Hoopes. 2,383,194; Aug. 21.
Pump. A. J. Stepanoff. 2,383,424; Aug. 21.
Punch, Pneumatic. K. Gimpel. 2,383,380; Aug. 21.
Purifying and conditioning system, Air. C. K. Steins 2,383,423; Aug. 21.
Railroad seat. J. Hill. 2,383,125; Aug. 21.
Railway traffic controlling apparatus. H. L. Bone and C. E. Staples. 2,383,037; Aug. 21.
Range finder. J. Galamb, A. O. Roberts, and H. A. Chubbuck. 2,383,185; Aug. 21.
Range finder. E. B. Hammond and D. J. Campbell. 2,382,991; Aug. 21.
Razor, Safety. C. K. Brandt, Sr. 2,382,957; Aug. 21.
Receiver with band spread, Multiband. W. R. Koch 2,383,322; Aug. 21.
Reciprocating pump. C. C. S. Le Clair. 2,383,324; Aug. 21.
Reclosable metal container. W. F. Punte. 2,383,274; Aug. 21.
Reel and collapsible support therefor, Adjustable. R. R. Berman. 2,382,968; Aug. 21.
Reflector, Revolving. E. N. Cavert. 2,383,042; Aug. 21.
Reflex converter circuit. K. Seiler. 2,383,345; Aug. 21.
Refractometer. M. Silge. 2,383,347; Aug. 21.
Refrigerating apparatus. W. H. Teeter. 2,383,354; Aug. 21.
Regulating mechanism. T. W. Moore. 2,383,143; Aug. 21.
Regulator: *See*—
Automatic voltage regulator.
Reinforcement or flexible member, Rubber or plastic encased flexible. H. and O. Ghez. 2,383,122; Aug. 21.
Remote control system for radio receivers. W. E. Newman. 2,383,338; Aug. 21.
Removal device, Inverted primer. L. B. Petersen. 2,383,339; Aug. 21.
Removing the stems and caps from berries and similar types of fruit, etc. Method and apparatus for. A. H. Morgan. 2,383,268; Aug. 21.
Resin articles, Luminescent cast synthetic. M. L. Macht and M. M. Renfrew. 2,383,067; Aug. 21.
Resins. W. C. Weltman. 2,383,430; Aug. 21.
Resins, Stabilizing phenolic. R. W. Auxier and W. C. Weltman. 2,383,283; Aug. 21.
Resins, Terpene. A. L. Rummelsburg. 2,383,084; Aug. 21.
Resonator apparatus, Two-cylinder short-wave. A. H. Ryan. 2,383,343; Aug. 21.
Responsive governor system, Phase. C. R. Hanna and W. O. Osbon. 2,383,306; Aug. 21.
Ring: *See*—
Trim ring.
Road roller. J. H. Ganley. 2,382,986; Aug. 21.
Rod: *See*—
Double-action piston rod.
Roller bearing. N. Medved. 2,383,142; Aug. 21.
Room arrangement, Sleeping car. E. J. W. Ragsdale. 2,383,162; Aug. 21.
Rosin condensation products and producing. E. A. Bried. 2,383,289; Aug. 21.
Rotor and mounting structure, Gyro. L. E. Beach, O. E. Esval, and A. W. Lane. 2,382,967; Aug. 21.
Rotor, Demountable. R. W. Ferris. 2,383,119; Aug. 21.
Safety glass, Manufacture of. J. H. Boicey and I. A. Willey. 2,382,956; Aug. 21.
Sand reclamation, Method and apparatus. A. Den Breejen, J. J. Amari, R. Luce, D. H. Petty, R. Webster, and T. K. Webster, Jr. 2,383,045; Aug. 21.
Sash hinging hardware. P. H. Kuyper. 2,383,395; Aug. 21.
Scaffold. H. G. Roten. 2,383,163; Aug. 21.
Scale. D. A. Meeker and K. C. Allen. 2,383,404; Aug. 21.
Scale, Postal. P. S. Morgan. 2,383,408; Aug. 21.
Screen: *See*—
Electric lamp screen.
Seal for window sash. H. T. Peirson. 2,383,155; Aug. 21.
Seal, Pump diaphragm. J. A. Compton and A. Paul. 2,382,960; Aug. 21.
Sealing device for internal gear pumps. J. B. Parsons. 2,383,153; Aug. 21.
Searchlight. L. H. Snyder. 2,383,223; Aug. 21.
Seat: *See*—
Airplane seat. Railroad seat.
Infant's folding toilet seat.
Seat structure for cabin cruisers, Convertible. C. L. Edwards. 2,383,178; Aug. 21.
Separation process. G. Riethof. 2,383,016; Aug. 21.
Separator: *See*—
Egg separator.
Shank construction. W. B. Pohle. 2,383,212; Aug. 21.
Sheet metal structure and making the same. A. G. Dean. 2,383,370; Aug. 21.
Shield, Spark plug. J. W. Fitz Gerald. 2,382,984; Aug. 21.
Shock responsive latching device. R. B. Immel and F. Slamar. 2,382,995; Aug. 21.
Shoe. J. H. Everston. 2,383,052; Aug. 21.
Shoe sole and heel, Threaded. A. C. Fellman. 2,383,117; Aug. 21.
Shutter, Camera. L. Hammond. 2,383,381; Aug. 21.
Sign device. L. A. Tarbox. 2,383,024; Aug. 21.
Slack adjusting device. E. A. Jenkins. 2,383,196; Aug. 21.
Slipper. I. B. Witlin. 2,383,100; Aug. 21.
Snap-acting switch. C. M. Osterheld. 2,383,414; Aug. 21.
Snubber. L. A. Lehrman. 2,383,265; Aug. 21.
Soil sampling apparatus. J. S. Harris. 2,382,992; Aug. 21.
Solenoid construction. R. S. Miller and K. Seidel. 2,383,332; Aug. 21.
Solenoid construction. T. Obszarny. 2,383,411; Aug. 21.
Solenoid, Gun firing. B. E. Shaw. 2,383,088; Aug. 21.
Spectrophotometer. O. W. Pineo. 2,383,075; Aug. 21.
Spectrophotometer attachment for elliminating specular reflection. W. A. Shurcliff. 2,383,346; Aug. 21.
Spinning tool. L. W. Michael. 2,383,330; Aug. 21.
Sponge rubber products. A. Cooper. 2,383,110; Aug. 21.
Spray coating machine. R. E. Sykes and B. H. Moser. 2,383,023; Aug. 21.
Spraying device. P. M. Brown. 2,383,235; Aug. 21.
Spring construction for mattresses and the like. C. A. Pink. 2,383,157; Aug. 21.
Spring structure. N. C. Goldberg. 2,382,990; Aug. 21.
Squeezer and the like, Rivet. P. F. Rossmann. 2,383,082; Aug. 21.
Stand: *See*—
Unitary foldable music stand.
Staple. J. C. Lang. 2,383,135; Aug. 21.
Stay-bolt construction for boilers, Flexible hollow. J. Kindervater. 2,383,394; Aug. 21.
Steam boiler. C. Alexandrou. 2,383,034; Aug. 21.
Steel, Heat-treating high-speed tool. F. A. Endress. 2,383,299; Aug. 21.
Still, Solar water. W. S. Barnes. 2,383,234; Aug. 21.
Stocking welt construction, Producing. O. F. Smetana. 2,383,350; Aug. 21.
Streamlined models, Producing. W. H. Caraway. 2,382,974; Aug. 21.
Submarine net. D. A. Wallace. 2,383,095; Aug. 21.
Subscriber's calling device in electroacoustic transmission apparatus. O. Tschumi. 2,383,355; Aug. 21.
Suit, Life preserving. S. Kronhaus. 2,383,261; Aug. 21.
Sulphonated products, Purification of. W. A. Fessler. 2,383,120; Aug. 21.
Sulphonyl chlorides, Production of. M. S. Kharasch. 2,383,319; Aug. 21.
Sulphopolycarboxylic acid monoamides and their preparation. A. O. Jaeger and K. L. Lynch. 2,383,130; Aug. 21.
Support: *See*—
Heddle frame support.
Support. R. T. Borcherdt. 2,382,970; Aug. 21.
Switch: *See*—
Snap-acting switch.
Time-controlled electric switch.
Switch mounting for electric drills. F. P. Forss. 2,383,379; Aug. 21.
Synchronizing device. M. Artzt. 2,383,360; Aug. 21.
Syringe. A. J. Williams. 2,383,280; Aug. 21.
Television pickup control system. G. L. Beers. 2,383,365; Aug. 21.
Testing apparatus for Link trainer recorders. L. S. Marshall. 2,383,006; Aug. 21.
Testing device, Weight and capacity. G. P. Nairn. 2,383,269; Aug. 21.
Testing, Method and apparatus for. H. E. Edgerton. 2,382,981; Aug. 21.
Thermionic valve circuits. G. J. Scoles. 2,383,420; Aug. 21.
Thermostat, safety pilot, and limit control. H. A. Mantz. 2,383,401; Aug. 21.
Thiocarbanilide, Wettable and dispersible. R. B. Booth. 2,383,106; Aug. 21.
Threading and tensioning device, Shuttle. J. Coldwell. 2,383,239; Aug. 21.
Throttle control for locomotives or the like. W. F. Kromer. 2,383,063; Aug. 21.
Time-controlled electric switch. L. H. Brune and E. J. Ries. 2,382,972; Aug. 21.
Time delay device. F. W. Lyle. 2,383,328; Aug. 21.
Time-train unit for clocks and the like. M. J. Johnson. 2,383,391; Aug. 21.
Toluene, Producing. A. G. Oblad. 2,383,072; Aug. 21.
Tool: *See*—
Expanding tool. Weeding tool.
Spinning tool. Woodworking machine tool.
Trimming tool.
Toolhead, Multiple operation. G. F. Esson. 2,383,050; Aug. 21.
Toy. W. A. Ayres. 2,383,232; Aug. 21.
Toy. L. E. Elliott. 2,382,982; Aug. 21.
Toy. J. Greene. 2,383,305; Aug. 21.
Traction unit. W. E. Wine. 2,383,282; Aug. 21.
Trailer vehicle. C. Runyan. 2,383,216; Aug. 21.
Transmission cable. C. A. Arens. 2,382,966; Aug. 21.
Transmission mechanism. C. W. Cherry and A. S. Mullgardt. 2,383,107; Aug. 21.

Transmitter, Electric power. G. Abel. 2,383,103; Aug. 21.
Treatment of certain sodium-sulphur compounds to produce certain soluble non-sulphur compounds of sodium. D. Gardner. 2,383,247; Aug. 21.
Trigger action. R. J. Craig. 2,383,044; Aug. 21.
Trim ring. W. A. Mulhern. 2,383,071; Aug. 21.
Trimming mechanism, Dress or skirt. V. J. Sigoda. 2,383,020; Aug. 21.
Trimming tool. E. J. Moffitt. 2,383,335; Aug. 21.
Trouser hanger. S. Anthony. 2,382,964; Aug. 21.
Truck, Wheel driven distributor. A. R. Flink. 2,383,121; Aug. 21.
Tube and base structure. W. P. Kruger. 2,383,263; Aug. 21.
Tubes and the like, Manufacture of collapsible. C. E. Voke. 2,383,230; Aug. 21.
Tubing head and tubing support, Combination. E. D. Garrett. 2,383,248; Aug. 21.
Two-cycle solid-fuel injection supercharged engine. E. Moore. 2,383,336; Aug. 21.
Typewriting machine. J. J. Kittel. 2,383,256-60; Aug. 21.
Typographical machine. J. C. Plastaras. 2,383,159; Aug. 21.
Ultraviolet ray applicator. M. I. Schultz. 2,383,421; Aug. 21.
Uniting parts. H. J. Dailey. 2,383,113; Aug. 21.
Utility and camp trailer and camp tent, Convertible. T. Heil. 2,383,192; Aug. 21.
Unitary foldable music stand. W. Berg. 2,383,287; Aug. 21.
Valve: *See*—
Automatic drain valve. Mixing valve.
Lubricated gate valve.
Vehicle: *See*—
Trailer vehicle.
Vehicle body. T. Ulrich. 2,383,029; Aug. 21.
Vehicle jack. J. W. Scane. 2,383,275; Aug. 21.
Vending machine, Newspaper. D. D. Cameron. 2,382,959; Aug. 21.
Ventilation apparatus, Forced. E. A. Mader. 2,383,003; Aug. 21.
Vinyl aromatics, Manufacture of. G. Egloff. 2,383,179; Aug. 21.
Viscometer. K. Demb. 2,382,979; Aug. 21.
Vise, Fluid-operated work-holding. S. F. Burgoine and H. E. Elsden. 2,382,958; Aug. 21.
Vise, Universal. H. C. Stoll. 2,383,170; Aug. 21.
Waffle iron. H. A. Michaelis. 2,383,331; Aug. 21.
Water distilling device, Salt. J. De Stefano. 2,383,294; Aug. 21.
Water treating apparatus. J. F. Sebald. 2,383,086; Aug. 21.
Wave keying, Spaced. "R" L. Hollingsworth. 2,383,126; Aug. 21.
Weeding tool. J. R. Hughes. 2,383,388; Aug. 21.
Well casing expander. A. L. Prout. 2,383,214; Aug. 21.
Weighing apparatus adapted for operation by the blind. J. O. Kleber. 2,383,321; Aug. 21.
Wheel and chain, Traction. C. E. Frederickson. 2,383,184; Aug. 21.
Wheel chair, table, and bed, Combination. J. Pezzano. 2,383,340; Aug. 21.
Wheel mounting. L. P. Millard. 2,383,406; Aug. 21.
Wheel suspension for motor vehicles. H. T. Woolson, A. G. Herrshoff, H. A. Hicks, G. H. Parker, and R. A. Wyatt. 2,383,101; Aug. 21.
Winding element. F. J. Sigmund and W. S. Hlavin. 2,383,019; Aug. 21.
Windshield. E. W. Slicer. 2,383,169; Aug. 21.
Window-shield. W. R. Kohl. 2,383,132; Aug. 21.
Windshield or window construction. H. M. Dodge. 2,382,963; Aug. 21.
Woodworking machine carriage. A. E. Horman. 2,383,195; Aug. 21.
Woodworking machine tool. J. L. Brocco and M. V. Iarussi. 2,382,971; Aug. 21.
Work-holding and positioning means. E. Q. Kruchten. 2,383,201; Aug. 21.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 21, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Aug. 11, 1945.*

Charles G. Romano, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Roma Wine Company, Lodi, Calif., to effect the cancellation of trade-mark registration of Charles G. Romano, 49 W. Third St., New York, N. Y., No. 328,622, dated October 1, 1935, and the notice of such proceeding sent by registered mail to the said Romano at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Romano, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice

The Classification Division, the Design Division, and those units of the Manuscript Division engaged in reproduction work and in the preparation of records for court use, have been transferred from Richmond, Va., and are now located in the Washington Office.

Interference Notice

U. S. PATENT OFFICE, *Richmond, Va., August 8, 1945.*

Elgan H. Carlton, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of M & M Limited, 271 Clinton Ave., Newark 8, N. J., for registration of a trade-mark and trade-mark registered September 28, 1926, No. 218,671, to Elgan H. Carlton, 1228 Hemphill St., Fort Worth, Texas, and the notice of such proceeding sent by registered mail to said Carlton at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Carlton, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Classification Bulletin No. 95

Classification Bulletin No. 95 is now available and may be purchased from the Commissioner of Patents for ten cents.

Adjudicated Patents

(C. C. A. Ill.) Waber patent, No. 1,808,091, for a self-healing inner tube, claims 2, 3, and 6 *Held* invalid. *Waber* v. *Montgomery Ward & Co.*, 149 F.(2d) 536; 65 USPQ 389.

(D. C. N. Y.) Allen & Hartley patent, No. 1,967,221, for a printing plate, claims 7 and 8 *Held* invalid. *Addressograph-Multigraph Corp.* v. *Cooper*, 60 F. Supp. 697; 65 USPQ 403.

(D. C. N. Y.) Kuhlman patent, No. 2,256,645, for decorative material, *Held* not invalid for double patenting. *Appel* v. *Lilling*, 60 F. Supp. 749; 65 USPQ 281.

Condition of Applications Under Examination at Close of Business August 11, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 67,167; Trade-Mark Division, 2,817. Oldest new case, August 25, 1944; oldest amended, August 9, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Nov. 8	Nov. 17	1042
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Sept. 21	Sept. 18	1248
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Nov. 14	Nov. 2	1278
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 30	Dec. 6	959
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Sept. 4	Aug. 9	1719
6. GENIESSE, E. W., Carbon Chemistry (part)	Dec. 5	Dec. 30	1175
7. JARBOE, C. G., Optics, Photography	†Mar. 3	†Mar. 16	965
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Feb. 20	†Feb. 6	1021
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Oct. 18	Oct. 20	1157
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 26	†Mar. 24	349
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Sept. 12	Sept. 27	1376
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Nov. 4	Nov. 7	975
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	†Feb. 24	†Feb. 2	805
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	†Feb. 13	†Jan. 11	843
16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 24	†Jan. 20	810
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 24	Oct. 5	647
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Dec. 11	Oct. 21	1133
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Nov. 4	Nov. 10	709
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	†Jan. 18	†Feb. 7	757
21. THOMPSON, T. J., Textiles	†Feb. 27	†Feb. 14	490
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Dec. 19	Dec. 18	1354
23. LEWIS, J. B., Cash Registers; Calculators (part)	†Jan. 11	Dec. 7	152
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 2	†Feb. 5	839
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Nov. 22	Dec. 12	973
26. YOUNG, R. R., Electricity—Generation and Motive Power	Oct. 24	Oct. 19	1175
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Oct. 30	Sept. 28	1074
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Oct. 5	Sept. 16	992
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Buttor Making; Woodworking; Tools	Nov. 2	Nov. 1	1161
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Dec. 18	Dec. 12	1247
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Mar. 23	†Mar. 21	767
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	†Feb. 5	†Feb. 14	920
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	†Jan. 3	†Jan. 5	1134
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Dec. 7	Nov. 9	644
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Oct. 27	Nov. 6	970
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Dec. 8	Dec. 7	748
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 20	Sept. 18	1126
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Nov. 17	Nov. 11	889
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 14	Oct. 28	1228
40. DRUMMOND, E. J., Receptacles (part); Packages	Dec. 11	Dec. 7	1422
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Dec. 4	Nov. 22	527
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	†Jan. 26	†Jan. 26	650
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Dec. 8	Nov. 18	784
44. HARVEY, L. P., Refrigeration; Preserving	Aug. 25	Sept. 13	672
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Nov. 22	Nov. 17	1301
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Nov. 6	Nov. 23	751
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	†Feb. 3	†Jan. 15	1114
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Nov. 28	Nov. 18	1232
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	†Feb. 7	†Feb. 5	690
50. LEVIN, SAMUEL, Synthetic Resins	†Jan. 11	†Jan. 11	1476
51. CROCKER, A. W., Radiant Energy; Modulators	Nov. 23	Nov. 20	1822
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Oct. 9	Oct. 25	1556
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Sept. 1	Sept. 29	1274
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Sept. 4	Sept. 13	1301
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	†Jan. 4	†Jan. 3	905
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 9	Oct. 24	1019
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Nov. 6	Oct. 27	1048
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Feb. 23	†Jan. 30	747
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	Sept. 26	Oct. 2	1416
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Nov. 4	Nov. 4	1131
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Dec. 18	1055
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Sept. 30	Sept. 30	1885
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Oct. 27	Nov. 8	1442
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Apr. 7	†Apr. 3	761
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Sept. 20	Sept. 27	1319
Trade-Marks: RICHMOND, F. A.	†May 5	†June 14	2817
Designs: KALUPY, H. H.	†May 25	†June 26	1016

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WHEELER, HOOVER, AND DIRKES *v.* KLEINSCHMIDT AND COLMAN (No. 5,001)

BLANCHARD, BLANTON, AND BROWNE *v.* KLEINSCHMIDT (No. 5,002)

BLANTON *v.* KLEINSCHMIDT (No. 5,003)

WHEELER, HOOVER, AND DIRKES *v.* KLEINSCHMIDT (No 5,004)

BLANCHARD, BLANTON, AND BROWNE *v.* COLMAN (No. 5,005)

BLANCHARD, BLANTON AND BROWNE *v.* KLEINSCHMIDT AND COLMAN (No. 5,006)

Nos. 5,001, 5,002, 5,003, 5,004, 5,005, and 5,006. Decided April 9, 1945

[149 F.(2d) 161; 65 USPQ 407]

Appeal No. 5,001

1. APPEAL—PARTIES.

Where the Board of Interference Examiners awarded priority to Colman, and Wheeler, Hoover and Dirkes appealed from that decision, but Kleinschmidt did not, *Held* that Kleinschmidt was not a proper party to the appeal.

2. INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the application of Colman, the senior party, discloses all the elements of the counts, and that priority properly was awarded to him.

Appeal No. 5,005

3. SAME—SAME.

Record reviewed and *Held* that Colman, the senior party, has the right to make the count, and that priority properly was awarded to him.

Appeal No. 5,006

4. SAME—SAME.

Record reviewed and *Held* that the application of Colman, the senior party, discloses the subject matter of the counts, and that priority properly was awarded to him.

Appeal No. 5,002

5. SAME—RES JUDICATA.

Where a prior interference, No. 68,426, involving an original application of appellee Kleinschmidt and an application of Dirkes and Kimball, assigned to the Western Union Telegraph Company, was terminated by an award to Kleinschmidt based upon a concession of priority in his favor, *Held* that in the subsequent interference between an application for the reissue of the patent granted upon that original application of Kleinschmidt and a patent granted to appellants Blanchard, Blanton and Browne, also owned by the Western Union Telegraph company, these appellants were not estopped by judgment from raising the question of the operativeness of the telegraph system disclosed in appellee's reissue application.

6. SAME—SAME.

"Although the parties in interference No. 68,426 and in the instant interference are the same, and appellee's original application was involved in the prior interference, the application which matured into appellants' patent here involved was not in the prior interference, nor did the application of Dirkes and Kimball disclose the invention involved in the instant interference. Furthermore, from an examination of the counts involved in the prior interference and those here in issue, it is evident, we think, that the causes of action involved in the instant interference differ materially from those involved in the prior interference. The difference is not merely one of scope or breadth, but the counts in the instant interference are for distinct and separate inventions from those defined by the counts in the earlier interference. Accordingly, the decision in interference No. 68,426 is res adjudicata only as to the issues actually litigated and determined therein, and not as to the issues which might have been, but were not, litigated and determined. As the question of the operativeness of appellee's disclosure was not raised or determined in that interference, the decision therein does not estop appellants from raising that question in the instant interference."

7. SAME—INOPERATIVENESS.

"Appellee's device, being the subject of an issued patent, is presumed to be operative, and this presumption is supported by the concurring holdings of the Primary Examiner and the Board of Interference Examiners that appellee's disclosure is sufficient to enable one skilled in the art to make his system operative. Under such circumstances a very clear showing is necessary to justify a holding of inoperativeness. We are unable to hold that such a showing has been made."

8. SAME—PRIORITY.

The telegraph system disclosed in the reissue application of appellee Kleinschmidt *Held* to be operative and to satisfy count 3 in issue; and the award of priority to said appellee affirmed.

Appeal No. 5,003

9. SAME—CONSTRUCTION OF COUNTS—EVIDENCE.

With respect to the term "finder switch" set forth in counts 2 to 7, in issue, *Held* that definitions proposed by the American Institute of Electrical Engineers "afford evidence that the term 'finder switch' has, in some instances, been interpreted as limited to the type of switch in which the called circuit seeks out a connection among a number of calling circuits."

10. SAME—SAME—SAME.

"It is true that the record does not establish a universally adopted meaning of the term 'finder switches.' However, it does establish that the meaning of that term has been limited by at least some persons skilled in the art to a switch which is connected with a called line, and which searches over contacts connected with a number of calling lines. Accordingly, if the term 'finder switch' is not universally and definitely limited to the meaning ascribed to it in appellant's patent, it is ambiguous and must be interpreted in the light of appellant's patent where the counts originated. *William G. H. Finch* v. *Garett Van der Veer Dillenbach, Jr.*, 28 C. C. P. A. (Patents) 1171, 1177, 121 F.(2d) 459, 49 USPQ 731, 530 O. G. 737."

11. SAME—PRIORITY.

Held that appellee Kleinschmidth does not disclose a "finder switch" in his reissue application, interpreting that term in the light of appellant's patent, and is not entitled to make counts 2 to 7 in issue; and that the decision of he Board of Interference Examiners awarding priority to said appellee would be modified, being affirmed as to count 1 and reversed as to counts 2 to 7.

Appeal No. 5,004

12. SAME—SAME.

Held that appellee Kleinschmidt is entitled to make count 4 in issue, but not counts 1, 5, 6, and 9 to 13 in issue; and that the decision of the Board of Interference Examiners awarding priority to said appellee would be modified, being affirmed as to counts 2, 3, 4, 7, and 8, and reversed as to counts 1, 5, 6, and 9 to 13.

APPEALS from the Patent Office. Modified.

Mr. Marvin J. Reynolds and *Mr. Newman F. Presson* for Wheeler, Hoover, and Dirkes, Blanchard, Blanton, and Browne, and Blanton.

Mr. J. W. Schmied and *Mr. W. F. Simpson* (*Messrs. Carlson, Pitzner, Hubbard and Wolfe*, and *Mr. Richard Wolfe* of counsel) for Colman.

Mr. Harold B. Whitfield for Kleinschmidt.

HATFIELD, *J.*:

These are appeals in interference proceedings from the decisions of the Board of Interference Examiners awarding priority of invention of the subject matter defined by the counts in issue to appellee Howard D. Colman in interferences Nos. 79,163 (appeal No. 5,001), 80,401 (appeal No. 5,005), and 80,402 (appeal No. 5,006) and to appellee Edward E. Kleinschmidt in interferences Nos. 79,164 (appeal No. 5,002), 79,165 (appeal No. 5,003), and 79,166 (appeal No. 5,004).

For the purposes of the hearing in this court, the records in the several interferences were consolidated. Accordingly, we shall dispose of the issues presented in one opinion.

Appeal No. 5,001—Interference No. 79,163

The interference is between Patent No. 2,193,810, issued to appellants (Evan R. Wheeler, Ray Hoover, and Robert F. Dirkes) March 19, 1940, on an application, No. 65,516, filed February 24, 1936, and the application of Howard D. Colman, No. 319,047, filed November 13, 1928. In addition to appellants' patent and appellee Colman's application, the interference originally involved the reissue application of one Edward E. Kleinschmidt, No. 335,431, filed May 15, 1940, for the reissue of Patent No. 2,193,967, issued March 19, 1940, on an application, No. 651,737, filed January 5, 1933, renewed March 30, 1938.

The counts in the interference relate to a telegraph exchange system which comprises a central station, sub-stations, a plurality of communication lines, storing means at the central station for storing a message received over the communication lines, switching means for selecting the communication lines over which the message is to be retransmitted, and means controlled by the switching means for repeating the message over a selected line.

The counts in issue (Nos. 3 to 6, inclusive) originated in appellants' patent and were copied by appellee Colman and the party Kleinschmidt for interference purposes. They read:

3. A telegraph exchange system comprising transmission channels, a plurality of transmitters, selective switching means for interconnecting said transmitters and said channels, means for controlling said switching means and means whereby said controlling means is responsive to code signals of predetermined character preceding and following each group of message signals.

4. A multi-office telegraph communication system comprising means for storing message groups of signals at a point intermediate the originating and final offices of the system, means controlled at said intermediate point for selecting a relay channel for the stored signals and means for automatically repeating signals over a selected channel as soon as the latter becomes idle.

5. In a telegraph system, a central station, other stations, a plurality of telegraph channels connecting said other stations to said central station, storing means at said central station for storing character signals received over incoming channels, means to select one of said other stations and means to transmit the stored signals thereto either before or after completing the storage of a message.

6. In a communication system, a central station, a plurality of communication lines, storing means at said central station for storing character signals received over said lines, switching means for selecting one of said lines over which said signals are to be retransmitted and retransmitting means controlled by said switching means for repeating said signals over a selected line.

No testimony was introduced by any of the parties to the interference.

The issues presented to the Board of Interference Examiners were: (1) the right of the party Kleinschmidt and appellee Colman to make the claims constituting the counts in issue, and (2) the operativeness of the Kleinschmidt disclosure.

The Board considered in detail each of those issues and held that appellee Colman could make the claims constituting the counts in issue; that the party Kleinschmidt could not make the claim constituting count 5, but that he could make the claims constituting counts 3, 4, and 6; that the party Kleinschmidt's reissue application disclosed an operative system; and that, as appellee Colman was the senior party, he was entitled to an award of priority of invention on the subject matter defined by the counts in issue.

[1] The party Kleinschmidt did not appeal from the Board's decision, but acquiesced therein. Accordingly, he is not a proper party in this appeal. See *Adolph L. Nelson* v. *Otto C. Berry and Frank Jardine*, 19 C. C. P. A. (Patents) 1270, 59 F.(2d) 351, 14 USPQ 57, 424 O. G. 616; *Island Road Bottling Co.* v. *Drink-Mor Beverage Co.*, 30 C. C. P. A. (Patents) 708, 132 F.(2d) 129, 56 USPQ 65, 548 O. G. 3. The sole issue before us, therefore, is whether appellee Colman is entitled to make the claims constituting the counts in issue.

Appellee Colman's application discloses a telegraph system in which a message may be transferred automatically from one point or station in the system to a selected station of a plurality of stations by means of signal controlled devices or relay units, each of which is designed and adapted to receive and temporarily store messages in the form of mechanical signal combinations until an electrical transmission channel or path is selected by certain directing signals. Each of the signal control devices or relay units comprises a signal storing means for incoming signals, a selector, and a transmitter. Appellee discloses in his application, diagrammatically in Fig. 1 of his drawings, relay units (A1 to A10, inclusive) connected to similar relay units (B1 to B9, inclusive) by electrical transmission channels, and relay units (C1 to C12, inclusive) connected by transmission channels to B1 to B9, inclusive.

Appellee Colman states in his application that the successive characters of a message are "represented preferably in the well known Baudot or five-unit code by individual signal combinations followed by a terminal or end-of-message control combination and preceded by one or more predetermined directing signal combinations collectively representing a predetermined destination."

It is further stated in appellee's application that in the use of the system disclosed therein an incoming message to be delivered to the relay unit, for example C8, is recorded on the mechanical storage medium of one of the A units, for example A1; that the selector mechanism associated with the transmitting unit in relay unit A1 operates in response to directing signals to select the transmission channel leading to relay unit B2, whereupon the transmission channel is automatically tested and, if found to be available for the transmission of the stored message signals, the transmission of such signals to the relay unit B2 is initiated automatically; that after the message signals are transferred to the relay unit B2, the operation of the transmitter in the relay unit A1 "is interrupted under the control of the end-of-message combination which also causes the seized transmission path to be freed thereby completing the first stage of the transfer"; that the electrical signals received by the relay unit B2 are again converted into mechanical combinations and temporarily stored pending the selection by the selector of relay unit B2 of the transmission channel leading to the relay unit C8; and that if the transmission channel is not busy, the transmitter of the unit B2 operates to transmit the individual message combination electrically to the relay unit C8 where it is recorded mechanically.

Appellee also states in his application that his system may be used in intra-city and inter-city communications between sending and receiving customers.

Original claim 18 in appellee's application reads:

18. In a telegraph system having an originating station, a plurality of intermediate stations and a plurality of terminal stations, the combination of means at said originating station for recording a message in mechanical form with control signals embodied therein representing a predetermined one of said intermediate stations and a predetermined one of said terminal stations, mechanism at said originating station operable in response to said first mentioned control signal to effect transmission of the message to said predetermined intermediate station, means to record the message mechanically at said predetermined intermediate stations, and mechanism at said intermediate station operable independently of the mechanism at the originating station and under the control of said other signal to select a transmission path leading to said predetermined terminal station.

The storage devices employed by appellee comprise endless chains, each link of which is provided with five pins. Each of these pins has an inner and outer position and the various combinations of positionings of the pins constitute code signals corresponding to the letters of the alphabet. The pins are positioned by intermittently actuated plungers and five magnets are provided, one for each pin, for determining which pins are to be depressed on any given stroke of the plungers. Accordingly, the letters which are to be stored on the links of the storage devices are determined by controlling the circuits of the magnets.

Appellee's system is quite complicated and we deem it unnecessary to describe it in further detail.

Counsel for appellants contended before the Board of Interference Examiners, and contend here that appellee Colman's application does not disclose the last element in count 3, that is "means whereby said controlling means is responsive to code signals of predetermined character preceding and following each group of message signals"; that it does not disclose a "multi-office telegraph communication system," "means controlled at said intermediate point for selecting a relay channel for the stored signals," or "means for automatically repeating signals over a selected channel as soon as the latter becomes idle," as called for by count 4; that it does not disclose a "central station" and "other stations," a "plurality of telegraph channels connecting said other stations to said central station," or "incoming channels," as called for by count 5; and that it does not disclose a "plurality of communication lines, storing means at said central station for storing character signals received over said lines," or "means controlled by said switching means for repeating said signals over a selected line," as called for by count 6.

It is also the contention of counsel for appellants that appellee Colman does not disclose in his application mechanism for receiving and setting up incoming signals on the storage mechanism in his relay units; that he does not disclose mechanism for extracting the alleged stored signals from the storage mechanism, converting them into electrical signal units, and applying them to an outgoing telegraph channel; and that as such mechanism is essential to the system defined by the counts in issue, appellee is not entitled to make the involved counts.

Counsel for appellants call attention to the fact that in its decision the Board of Interference Examiners stated that appellee Colman's "specification is silent as to the manner of setting up the coded combination on the chain [storage means] as the result of signals from the originating station, but this need not be considered here as none of the counts are directed to this feature. The station C8 may be considered as the final station, i. e., that of the called customer, but in this event the signal which is produced there is not in printed form but is recorded on the chain storage device. No means is shown for extracting a message from the storage chain to actuate a printer," and argue that the Board, therefore, recognized that appellee failed to disclose in his application means for receiving and setting up signal combinations on his storage mechanism, or means for extracting signal combinations from his storage mechanism for transmission over an outgoing telegraph channel.

Counsel also call attention to the fact that again in its decision in the case of *Rolla F. Blanchard, et al.* v. *Howard D. Colman*, interference No. 80,401, appeal No. 5,005, hereinafter decided, the Board, in considering the disclosure in appellee Colman's application, stated, with regard to the contention of counsel that appellee's application does not disclose a central station or telegraph channels terminating at the central station or outgoing telegraph channels, that such contention "appears to be based on the fact that Colman does not show or disclose anything except a single relaying office consisting of the units A, B and C with no means whereby a message from an originating office may be set up on the recording storage means shown; and with no disclosure of any means by which a message set up on the storage device could be extracted therefrom in the form of a printed message or other usable form."

Counsel for appellants further contend that appellee Colman does not disclose in his application any means for sending a code signal of predetermined character preceding each group of message signals or means responsive to such a code signal, as called for by count 3; that in the Colman disclosure the codal address signals are a part of each group of message signals; and that, therefore, the codal address signal cannot properly be held to precede each group of message signals, as called for by that count.

With reference to the argument of counsel for appellants that appellee Colman does not disclose in his application means for sending code signals of predetermined character preceding each group of message signals or means responsive to such code signals, the Board of Interference Examiners stated that, although the same signal selects and designates the called station and, therefore, performs two functions, it does not follow that it is a part of the message; that "To respond to the terms of the count [count 3] it is only necessary that apparatus be present which will accomplish the stated result whereby the switching means is operated by signals preceding and following the group of message signals"; that the code address signals in appellee's system "constitute predetermined characters for each group of message signals as each message is preceded with the address code signal which is determined by the class of message and its destination"; that the address code signals in appellee's system control the means for operating the "selector switches * * * in order to transmit a message, and the end of message signals function to restore the selector switches to their normal position"; and, accordingly, held that appellee was entitled to make the claim constituting count 3.

With reference to the contention of counsel for appellants that appellee's application does not disclose a multi-office communication system or means controlled at an intermediate point for selecting a relay channel for stored signals, as called for by count 4, the Board stated that in his specification appellee referred in several places to his system having a plurality of stations which might be located in the same city or in different cities, and that original claim 18 called for such a system; that the relay stations A, B, and C, hereinbefore referred to, might be considered as illustrative of "offices" within the meaning of the count, in which event A would be the originating office or station, B the intermediate office or station, and C the final office or station; that appellee clearly disclosed means controlled at an intermediate point for selecting a relay channel for the stored signals; and that the channel selection is made by means of switches, located at the intermediate office or station, which operate in response to the address code set up in the originating office or station.

As to counts 5 and 6 the Board stated that appellee's application disclosed a telegraph system having a central station and other stations, a plurality of telegraph channels connecting the other stations with the central station, means at the central station for storing character signals received over the communication lines, and means controlled by the switching means for repeating signals over a selected line. The Board, accordingly, held that appellee's application disclosed all of the elements defined by the counts in issue.

Appellee's application fully discloses means whereby a message stored on one storage device may be duly transmitted to, and stored on, a second storage device, and transmitted from the second storage device to a third and so on indefinitely, but it does not specifically disclose how the message is originally placed in storage on the first storage mechanism, nor how it is finally removed from the last storage mechanism.

Although the counts in issue call for means for removing a message from one storage device and transmitting it to, and storing it on, a second or intermediate storage device, which means are clearly disclosed in appellee's application, they do not call for means for placing a message in storage in the originating office, nor do they call for means for extracting the message from the storage device at the final station.

It is true that in his application appellee Colman discloses an exchange system located within a city. However, it is clearly indicated in the Colman application that such a system might be duplicated in various cities for inter-city communication. It is clear, therefore, that appellee discloses in his application a multi-office system in which the offices may generally duplicate the one disclosed in detail.

Counsel for appellants further contend that Colman does not disclose originating and final offices.

Although originating and final offices are mentioned in count 4, they are not positively recited as elements of the count, but are included only inferentially by the statement that a storage device is between them. Moreover, the count does not state how the message originates, nor does it state what is done with the message at the final station. Accordingly, it cannot be construed as reciting means for putting the message on the first storage device or taking it off the last or final one. We are of opinion, therefore, that, so far as the count is concerned, the station having the first recording device may properly be regarded as the originating office, and the one having the last recording device the final office. It will be observed that the count does not call for any specific mechanism at either of those offices.

Counts 5 and 6 call for a "central station" and, in addition, count 5 calls broadly for "other stations." Those elements are clearly disclosed in appellee Colman's application, and what we have said with regard to count 4 applies to counts 5 and 6.

[2] We have given careful consideration to the arguments presented here by counsel for appellants, but are of opinion, as were the Primary Examiner and the Board of Interference Examiners, that appellee Colman's application discloses all of the elements of the counts involved in this interference. Accordingly, the decision of the Board is affirmed.

Affirmed.

Appeal No. 5,005—Interference No. 80,401

The interference is between Patent No. 2,193,811 issued to appellants (Rolla F. Blanchard, William B. Blanton, and Harry L. Browne) March 19, 1940, on an application filed February 25, 1936, and the application of Howard D. Colman, No. 319,047, filed November 13, 1928.

The interference relates to a telegraph system which, for the purpose of this decision, is sufficiently defined by the count in issue.

The count reads:

In a telegraph system, a central station, a plurality of telegraph channels terminating at said central station, a character storage device individual to each incoming channel for storing character signals received thereover, a plurality of outgoing telegraph channels at said central station, a character storage device associated with each outgoing channel, means for transmitting characters from any of said first mentioned storage devices to any of said second mentioned storage devices and means for transmitting characters from each of said second mentioned storage devices over its associated outgoing channel.

The count originated in appellants' patent.

No evidence was introduced by either of the parties.

The issue presented to the Board of Interference Examiners was the right of appellee Colman to make the claim constituting the count in issue.

The Board held that appellee could make the claim constituting the count in issue, and, as he was the senior party, awarded priority of invention of the subject matter defined thereby to him.

The sole issue before us is whether appellee is entitled to make the claim constituting the count in issue.

We have described the disclosure in appellee's application in interference No. 79,163 (appeal No. 5,001). We deem it unnecessary, therefore, to describe it here.

It is contended hereby counsel for appellants that appellee's disclosure does not support the various elements of the count in issue for reasons which we have fully set forth in interference No. 79,163 (appeal No. 5,001).

[3] The single count of this interference is quite similar to the counts involved in interference No. 79,163, and the issues presented in the two cases are also similar. For the reasons stated in our decision in interference No. 79,163 (appeal No. 5,001) we are of opinion that appellee's application discloses a central station, as well as the remaining elements of the count in issue. Accordingly, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

Appeal No. 5,006—Interference No. 80,402

The interference is between Patent No. 2,193,811 issued to appellants (Rolla F. Blanchard, William B. Blanton, and Harry L. Browne) March 19, 1940, on an application filed February 25, 1936, and the application of Howard D. Colman, No. 319,047, filed November 13, 1928. In addition to appellants' patent and appellee Colman's application, the interference originally involved the reissue application of Edward E. Kleinschmidt, No. 335,431, filed May 15, 1940, for the reissue of Patent No. 2,193,967, issued March 19, 1940, on an application, No. 651,737, filed January 5, 1933, renewed March 30, 1938.

The interference relates to a telegraph system which, for the purpose of this decision, is sufficiently defined by the two counts in issue which read:

1. In a telegraph exchange system, an office, incoming and outgoing lines terminating thereat, signal storage devices associated with the incoming lines, other signal storage devices associated with the outgoing lines, means for repeating the signals stored in one of the storage devices associated with incoming lines and for storing said signals in one of said other signal storage devices and means for repeating the signals stored in said one of said other signal storage devices over an outgoing line.

2. In a telegraph system, a central station, a plurality of incoming telegraph channels terminating at said central station, a plurality of character storage devices for storing characters received thereover, a plurality of outgoing channels at said central station, character storage devices associated with predetermined ones of said outgoing channels, means for initiating the transmission of message groups of characters from said first mentioned storage devices to any of said second mentioned storage devices, means controlled by predetermined character signals so transmitted for interrupting transmission from said first mentioned storage devices at the end of each message group and means for transmitting characters from each of said second mentioned storage devices over its associated outgoing channel.

The counts originated in appellants' patent.

No evidence was introduced by any of the parties.

The issues presented to the Board of Interference Examiners were: (1) the right of appellee Colman and the party Kleinschmidt to make the claims constituting the counts in issue, and (2) the operativeness of the Kleinschmidt disclosure.

The Board held that appellee Colman and the party Kleinschmidt could make the claims constituting the counts in issue; that the party Kleinschmidt's disclosure was operative; and, as appellee Colman was the senior party, awarded priority of invention of the subject matter defined by the counts in issue to him.

The party Kleinschmidt did not appeal from the Board's decision, but acquiesced therein. Accordingly, he is not a proper party in this appeal. See *Adolph L. Nelson* v. *Otto C. Berry and Frank Jardine*, supra, and *Island Road Bottling Co.* v. *Drink-Mor Beverage Co.*, supra, (cited in interference 79,163, appeal No. 5,001). The sole issue before us, therefore, is whether appellee Colman is entitled

to make the claims constituting the counts in issue.

Having described the disclosure in appellee Colman's application in interference No. 79,163 (appeal No. 5,001), we deem it unnecessary to describe it here.

It is contended here by counsel for appellants that appellee Colman's disclosure does not support the various elements of the counts in issue for reasons which we have fully set forth in interference No. 79,163 (appeal No. 5,001).

[4] The issues here involved are similar to those presented in interference No. 79,163 (appeal No. 5,001) and, for the reasons stated in our consideration of that case, we are of opinion that appellee Colman's application discloses the subject matter of the counts in this interference.

The decision of the Board of Interference Examiners holding that appellee Colman discloses all the elements of the counts in issue is affirmed.

Affirmed.

Appeal No. 5,002—Interference No. 79,164

The interference is between Patent No. 2,193,811 (owned by the Western Union Telegraph Company) issued to appellants (Rolla F. Blanchard, William B. Blanton, and Harry L. Browne) March 19, 1940, on an application, No. 65,702, filed February 25, 1936, renewed October 18, 1939, and appellee Edward E. Kleinschmidt's reissue application No. 335,431, filed May 15, 1940, for the reissue of Patent No. 2,193,967 (owned by The Teletype Corporation), issued March 19, 1940, on an application, No. 651,737, filed January 5, 1933, renewed March 30, 1938.

The counts in the interference, three in number, relate to a telegraph exchange system.

Counsel for appellants present two issues for determination, namely, first, the operativeness of the telegraph system disclosed in appellee's reissue application, and, second, the right of appellee to make the claim constituting count 3. No issue is raised here as to the right of appellee to make the claims constituting counts 1 and 2 of the interference.

Count 3 reads:

3. In combination with a tape having a plurality of groups of message signals recorded thereon, a tape transmitter for repeating the signals recorded on the tape, a plurality of telegraph channels, selective switching means for connecting said tape transmitter to any one of said channels, means operable over the selected channel for initiating the operation of the transmitter and means for automatically stopping the tape transmitter at the completion of the transmission of each group of message signals.

Appellee's reissue application discloses an automatic telegraph system in which messages may originate at any one of a number of outlying stations, and may be transmitted to a central station, where they are recorded on perforated tape. The messages thus recorded will include, first, the address in duplicate, second, the body of the message, third, an answer-back cut-in signal code, fourth, a signature, consisting of the address of the sending station, and fifth, an end-of-message signal.

When the complete message has been recorded at the central station, the calling line is released and mechanism becomes effective which first compares the duplicate addresses and, if they are found to correspond, utilizes the address to select, successively, the channels by which a connection is made with the station called. If this station is idle, the message is transmitted and, when the answer-back cut-in signal is reached, the answer-back mechanism becomes effective to record the address of the calling station and the address of the called station. Those addresses are then retransmitted to the calling station to show that the message has been received. The system includes various details which are not involved here and need not be considered. It also includes other details which can best be discussed in connection with specific issues raised by counsel for appellants.

[5][6] Counsel for appellee contends that appellants are estopped by judgment from raising the question of the operativeness of appellee's telegraph system because of a decision in a prior interference (No. 68,426) involving the application (No. 585,582, filed January 8, 1932) of Robert F. Dirkes and Vernon R. Kimball (assigned to the Western Union Telegraph Company), the Robert F. Dirkes being the same Robert F. Dirkes involved in interferences Nos. 79,163 and 79,166, and appellee's original application, No. 651,737, which matured into Patent No. 2,193,967.

Interference No. 68,426 was terminated in December 1935 by the Examiner of Interferences awarding priority of invention of the subject matter defined by the counts there in issue to Kleinschmidt by virtue of a concession of priority of invention executed on behalf of the parties Dirkes and Kimball and the Western Union Telegraph Company. The interference involved four counts, which define a method of transmitting a telegraph message.

The method there involved comprised, substantially, converting a message into a so-called "control-form," in which form the message was in two parts (an address part and a remainder part), then, as stated in count 4 of that interference, "combining under control of the address part of the message a plurality of part-paths to form a complete path to the place of destination of the message, and thereafter transmitting both parts of the message over the path under control of the form."

In the instant case, the Board of Interference Examiners held that appellants were estopped by judgment from raising the question of the operativeness of appellee's disclosure because of the decision in interference No. 68,426, the Board stating that, although no decision had been brought to its attention which was directly in point, a somewhat analogous situation existed in the case of *Waller* v. *Coe* v. *Brown*, 193 O. G. 511, 1913 C. D. 187. The Board apparently relied, however, upon the decision in the case of *Ex parte Robinson*, 32 USPQ 165.

Although the Board held that appellants were estopped from raising the question of the operativeness of appellee's disclosure, it, nevertheless, considered that question and held that appellee disclosed an operative system.

In the Waller case, supra, the Commissioner of Patents held that the assignee of the Waller application was estopped from raising the question of the Coe and Brown applications containing new matter because it had failed to present a proper and timely motion to dissolve.

In the case of *Ex parte Robinson*, supra, it appears that the party Robinson had been involved in an interference (involving four counts) with one Barnebl. Robinson had conceded priority of invention to Barnebl as to the subject matter of counts 1, 2, and 3, and the Examiner of Interferences awarded priority of invention of the subject matter defined by those counts, and also that defined by count 4, to Barnebl. Thereafter, in an ex parte prosecution of the Robinson application, the Primary Examiner rejected the claim in the Robinson application which constituted count 4 in the interference proceeding on the ground that it was unpatentable over count 3 of the interference. On appeal, the Board of Appeals held that as Robinson did not move to dissolve the interference on the ground that the claim constituting count 4 of the interference was not supported by the Barnebl disclosure he was not in a position to raise that question in an ex parte prosecution of his application.

The decisions in the Waller and Robinson cases, supra, obviously, are not controlling of the issue in the instant case.

Counsel for appellee argues that the Board of Interference Examiners was right in holding that appellants were estopped from raising the question of the operativeness of appellee's disclosure; that it was the duty of the common assignee (the Western Union Telegraph Company) to have raised that question in the prior interference (No. 68,426); and that as the Western Union Telegraph Company failed to do so, appellants are now estopped to raise that question in the instant interference. In support of his views, counsel cites several cases among them being: *In re Mason*, 25 C. C. P. A. (Patents) 873, 94 F.(2d) 220, 36 USPQ 337, 491 O. G. 236; *Avery* v. *Chase*, 26 C. C. P. A. (Patents) 823, 101 F.(2d) 205, 40 USPQ 343, 502 O. G. 875; *United States Rubber Co.* v. *Coe, Commissioner of Patents*, 146 F.(2d) 315, 64 USPQ 100.

The foregoing cited cases relied upon by counsel for appellee have to do with the application of the doctrine of estoppel in accordance with the provisions of rule 109 of the Rules of Practice in the United States Patent Office. The issue here presented does not involve the provisions of that rule. Accordingly, the principles announced in the decisions in those cases are not applicable to the issue in the instant case.

We have examined the decisions in other cases cited by counsel for appellee in support of his views, and find that they clearly are not in point. Accordingly, we deem it unnecessary to discuss them here.

It is conceded by counsel for appellee that the joint parties (Dirkes and Kimball) in interference No. 68,426 could not have made any of the claims constituting the counts in the instant interference. Furthermore, at the time the decision was rendered in the prior interference, appellants had not filed their application which matured into the patent here involved, nor, so far as the record here discloses, was the common assignee the owner of any application which disclosed the invention here involved and which might have been included in that interference.

The law with respect to estoppel by judgment was fully considered by the Supreme Court in the case of *Cromwell* v. *County of Sac.*, 94 U. S. 351, 352, where it was stated:

* * * there is a difference between the effect of a judgment as a bar or estoppel against the prosecution of a second action upon the same claim or demand, and its effect as an estoppel in another action between the same parties upon a different claim or cause of action. In the former case, the judgment, if rendered upon the merits, constitutes an absolute bar to a subsequent action. It is a finality as to the claim or demand in controversy, concluding parties and those in privity with them, not only as to every matter which was offered and received to sustain or defeat the claim or demand, but as to any other admissible matter which might have been offered for that purpose.

* * * * * * *

But where the second action between the same parties is upon a different claim or demand, the judgment in the prior action operates as an estoppel only as to those matters in issue or points controverted, upon the determination of which the finding or verdict was rendered. *In all cases, therefore, where it is sought to apply the estoppel of a judgment rendered upon one cause of action to matters arising in a suit upon a different cause of action, the inquiry must always be as to the point or question actually litigated and determined in the original action, not what might have been thus litigated and determined. Only upon such matters is the judgment conclusive in another action.* [Italics not quoted.]

The principles announced in the Cromwell case, supra, have been followed consistently. See *Nesbit* v. *Riverside Independent District*, 144 U. S. 610, 618; *New Orleans* v. *Citizens' Bank*, 167 U. S. 371, 386; *United Shoe Machinery Corporation et al.* v. *United States*, 258 U. S. 451, 458, 459.

Although the parties in interference No. 68,426 and in the instant interference are the same, and appellee's original application was involved in the prior interference, the application which matured into appellants' patent here involved was not in the prior interference, nor did the application of Dirkes and Kimball disclose the invention involved in the instant interference. Furthermore, from an examination of the counts involved in the prior interference and those here in issue, it is evident, we think, that the causes of action involved in the instant interference differ materially from those involved in the prior interference. The difference is not merely one of scope or breadth, but the counts in the instant interference are for distinct and separate inventions from those defined by the counts in the earlier interference. Accordingly, the decision in interference No. 68,426 is res adjudicata only as to the issues actually litigated and determined therein, and not as to the issues which might have been, but were not, litigated and determined. As the question of the operativeness of appellee's disclosure was not raised or determined in that interference, the decision therein does not estop appellants from raising that question in the instant interference.

In the instant case, the Board did not pass upon the question of estoppel in pais with regard to the issue of the operativeness of appellee's disclosure, and, under the circumstances of this case and in view of the record before us, we deem it unnecessary to discuss that question here. Accordingly, we shall proceed to consider the question of the operativeness of appellee's disclosure.

Although appellants formerly advanced many grounds of inoperativeness of appellee's system, they rely here only on those designated D, A, and B. Accordingly, the remaining grounds need not be considered.

Ground D, which is discussed at greatest length by counsel for appellants, relates to the tape transmitter mechanism. The intended operation requires that this mechanism shall advance the tape a short distance until the duplicate addresses have been compared, that it shall then retract the tape substantially to its former position, and finally feed the entire message through the device. The arrangement is such that three means will be required, one for each of the forward movements and one for the retracting movement. The means for the retracting movement only is fully disclosed by appellee.

Appellee's application states that the first forward movement is a "stepping" produced by a designated shaft on the shaft of a feed wheel which moves the tape forward. Although the mechanism which produces this stepping movement is not completely illustrated, no means being shown for connecting the aforesaid shafts, it obviously would be understood from the disclosure to be a pawl and ratchet type of device, and since it is necessary that such a device shall permit the tape to be retracted, it is evident that the pawl must not remain in engagement with the ratchet, but must be withdrawn at the end of each forward step.

The Primary Examiner and the Board of Interference Examiners were of opinion that one skilled in the art could readily produce a device that would operate so as to permit the tape to be retracted. The Primary Examiner referred to three patents (York et al., No. 1,298,622, and McKay, No. 1,609,955, issued prior to the filing of appellee's application, and Morton et al., No. 1,904,164, issued subsequent to appellee's filing date) as showing pawl and ratchet mechanisms suitable for such purpose.

Counsel for appellants properly point out that the pawl and ratchet devices in the patents to York et al. and McKay are so designed that they will not permit retraction, while the Morton et al. patent is not available to appellee since it issued after his original application was filed.

Evidently the tribunals of the Patent Office were of opinion that one skilled in the art could, without the exercise of the inventive faculties, modify the pawl and ratchet devices disclosed in the patents available to appellee so as to permit the tape in appellee's disclosure to be retracted. In other words, as we understand it, it was the view of the Patent Office tribunals that one skilled in the art could modify the prior art pawl and ratchet devices so that the pawl would engage the ratchet only during the forward movement of the tape.

There is nothing of record tending to indicate that it would require anything more than mechanical skill to modify the prior art pawl and ratchet devices so as to make them available for use in appellee's system.

Although the feeding means, which is to move the tape forward after its retraction, is not illustrated in appellee's reissue application, its construction would appear to present no difficulty, it being only necessary that the tape be advanced step by step in conformity with the operation of the tape sensing mechanism. It is clear what movements are intended to be given to the tape by appellee, and both the Primary Examiner and the Board of Interference Examiners were of opinion that one skilled in the art would be able to provide mechanism which would produce such movements.

Ground A of alleged inoperativeness of appellee's system relates to a relay magnet which is required to be of the slow-release type and also to hold its armature during a reversal of current. Although the relay magnet is not specifically described, counsel for appellants allege that it is illustrated as being of the slug type, and that such magnets will not hold their armatures during a current reversal.

Both the Primary Examiner and the Board of Interference Examiners held that magnets which would perform the required functions were old in the art, and could be employed in appellee's system without the exercise of the inventive faculties.

Ground B of alleged inoperativeness relates to one of the devices employed by appellee for reperforating the tape. This device is not shown in detail. However, appellee's specification states that it may be of the type shown in his Patent No. 1,884,743.

It was held by the Primary Examiner and the Board of Interference Examiners, and it is conceded by counsel for appellee, that the device disclosed in Patent No. 1,884,743 could not be used in the system here involved. However, the Examiner and the Board held that other devices which would perform the intended function were available in the art and could be used without invention.

[7] Appellee's device, being the subject of an issued patent, is presumed to be operative and this presumption is supported by the concurring holdings of the Primary Examiner and the Board of Interference Examiners that appellee's disclosure is sufficient to enable one skilled in the art to make his system operative. Under such circumstances a very clear showing is necessary to justify a holding of inoperativeness. We are unable to hold that such a showing has been made.

[8] The next question requiring our consideration is the right of appellee to make the claim constituting count 3 of the interference.

The count calls for a tape transmitter and "means for automatically stopping the tape transmitter at the completion of the transmission of each group of message signals."

In appellants' patent, in which the count originated, the "stopping," referred to in the count, is of such a nature that a manual operation is necessary for re-starting the tape transmitter.

In appellee's system, if there is a second complete message stored on the tape when the transmission of the first message is completed, the tape transmission device is automatically disconnected from the distributor used for the first message and connected to another distributor and the transmission of the second message is begun. The transfer of the tape transmitter from one distributor to another involves a momentary period of idleness while the connections are being switched. This period of idleness was held by the Examiner and by the Board to satisfy the requirement of the count as to "stopping." Although the period of idleness may be short, the operation of the device requires that a definite stop be made as called for by the count.

The Examiner and the Board held that the broad language of the count, which does not require a stop of any definite duration, is satisfied by appellee's disclosure. We are unable to conclude that the tribunals were in error in so holding.

For the reasons stated, the decision of the Board of Interference Examiners is affirmed.

Affirmed.

Appeal No. 5,003—Interference No. 79,165

The interference is between Patent No. 2,193,812 issued to appellant, William B. Blanton, March 19, 1940 (assigned to the Western Union Telegraph Company), on an application, No. 108,485, filed October 30, 1936, renewed November 15, 1939, and appellee Kleinschmidt's reissue application, No. 335,431, filed May 15, 1940, for the reissue of Patent No. 2,193,967, issued March 19, 1940, on an application, No. 651,737, filed January 5, 1933, renewed March 30, 1938.

The counts in the interference, seven in number, relate to a telegraph exchange system. They originated in appellant's patent and were copied by appellee for interference purposes.

Two issues are presented here by counsel for appellant, namely, first, the operativeness of the telegraph system disclosed in appellee's reissue application, and second, the right of appellee to make the claims constituting counts 2 to 7, inclusive. No issue is raised here as to the right of appellee to make the claim constituting count 1 of the interference.

Count 3 is sufficiently illustrative of the counts under consideration. It reads:

3. In a telegraph system, a plurality of permutation code transmitters, a group of lines or channels, selective switching means for extending the circuit of any of said transmitters to said group of lines or channels, finder switches, means for operating said switches to select an idle line or channel and means for rendering each of a plurality of transmitters operative one at a time.

We have described appellee's telegraph system as disclosed in his reissue application in interference No. 79,164 (appeal No. 5,002). It is unnecessary, therefore, that we describe it here. In that interference we held that appellee disclosed in his reissue application an operative system, and it is unnecessary that we repeat here what we said there.

[9] The only issue that requires discussion in this interference is the right of appellee to make the claims constituting counts 2 to 7, inclusive. The issue is the same as to each of those counts, namely, whether appellee's reissue application discloses "finder switches" as called for by each of the counts.

It appears to be conceded by counsel for appellant that appellee's reissue application discloses switches which produce the same results as "finder switches." It is the contention of counsel, however, that the term "finder switch" has a recognized meaning which is not satisfied by the switches disclosed in appellee's reissue application.

Counsel for appellee, on the other hand, contends that the counts are satisfied by any switch which will perform the function of "finder switches" called for by the counts.

The distinction between appellant's device and that of appellee is that in appellant's device a switch which is connected with a called line searches over contacts connected with a number of calling lines, whereas in appellee's device a switch connected with a calling line searches over contacts connected with a number of called lines.

It is contended by counsel for appellant that the switch disclosed by appellant is a "finder," and that that disclosed by appellee is a "selector."

That contention of counsel is supported to some extent by definitions proposed in 1932 by the American Institute of Electrical Engineers in which a switch, corresponding generally to that of appellant, designed to move over a number of contacts to locate the calling line is defined as a "finder switch," while a switch which is connected with a circuit over which signals are received, and which is designed to move over a plurality of contacts to find an idle circuit, is called a "selector switch." Accordingly, it would seem that at least some electrical engineers have recognized a distinction between the two types of switches, and, whether or not the definitions referred to were ever adopted, they afford evidence that the term "finder switch" has, in some instances, been interpreted as limited to the type of switch in which the called circuit seeks out a connection among a number of calling circuits.

Both the Examiner and the Board concluded that appellee was entitled to make the claims constituting counts 2 to 7, inclusive. However, they did so on somewhat different grounds. Although the Examiner stated in his decision that the term "finder switch" may be well known in the art, he,

nevertheless, held that, since appellee's switches performed the functions set forth in the counts, appellee could make the counts. The Board of Interference Examiners, on the other hand, held that if "a selector switch and a finder switch were well recognized as two different devices even though they did perform the same function or accomplish the same results in the systems under consideration it would have to be held that Kleinschmidt could not make the count in issue as the doctrine of equivalents has no application in interference proceedings." The statement of the Board as to equivalency is undoubtedly correct. See *Potts* v. *Kimball et al.*, 30 C. C. P. A. (Patents) 847, 134 F.(2d) 327, 56 USPQ 556, 553 O. G. 559, and cases therein cited. The Board, however, cited a former patent owned by the Western Union Telegraph Company (appellant's assignee) in which the term "finder switch" was applied to a switch similar to that of appellee and, in view of this and of the fact that the definitions hereinbefore referred to were, as far as shown, proposed only and not adopted, held that it had not been established that finder and selector switches were well recognized as different devices, and that the term "finder switch" did not distinguish from appellee's mechanism.

[10] It is true that the record does not establish a universally adopted meaning of the term "finder switches." However, it does establish that the meaning of that term has been limited by at least some persons skilled in the art to a switch which is connected with a called line, and which searches over contacts connected with a number of calling lines. Accordingly, if the term "finder switch" is not universally and definitely limited to the meaning ascribed to it in appellant's patent, it is ambiguous and must be interpreted in the light of appellant's patent where the counts originated. *William G. H. Finch* v. *Garett Van der Veer Dillenbach, Jr.*, 28 C. C. P. A. (Patents) 1171, 1177, 121 F.(2d) 459, 49 USPQ 731, 530 O. G. 737.

It will be observed that if the holdings of the Patent Office tribunals and the contentions of counsel for appellee are correct, the word "finder" as used in counts 2 to 7, inclusive, is wholly superfluous.

[11] It clearly appears from appellant's patent that the term "finder" was not intended to be superfluous. On the contrary, it is apparent that appellant intended by the use of the term "finder switches" to designate a switch which is connected with a called line and moves over contacts connected with a plurality of calling lines, rather than a switch which is connected with a calling line and moves over contacts connected with a plurality of called lines as disclosed by appellee. Accordingly, interpreting the term "finder switch" in the light of appellant's patent, it is evident that appellee does not disclose a "finder switch" in his reissue application and, therefore, is not entitled to make the claims constituting counts 2 to 7, inclusive.

For the reasons stated, the decision of the Board of Interference Examiners is modified, being affirmed as to count 1 and reversed as to counts 2 to 7, inclusive.

Modified.

Appeal No. 5,004—Interference No. 79,166

The interference is between Patent No. 2,193,810, issued to appellants (Evan R. Wheeler, Ray Hoover, and Robert F. Dirkes) March 19, 1940, on an application, No. 65,516, filed February 24, 1936, and appellee Kleinschmidt's reissue application, No. 335,431, filed May 15, 1940, for the reissue of Patent No. 2,193,967, issued March 19, 1940, on an application, No. 651,737, filed January 5, 1933, renewed March 30, 1938.

The counts in the interference, thirteen in number, relate to a telegraph exchange system. They originated in appellants' patent and were copied by appellee for interference purposes.

Two issues are presented here by counsel for appellants; namely, first, the operativeness of the telegraph exchange system disclosed in appellee's reissue application, and, second, the right of appellee to make the claims constituting counts 1, 4, 5, 6, and 9 to 13, inclusive. No issue is raised here as to the right of appellee to make the claims constituting counts 2, 3, 7, and 8.

It may be stated at the outset that, if there be ambiguity in the counts, they should be construed in the light of appellants' patent where they originated. See *William G. H. Finch* v. *Garett Van der Veer Dillenbach, Jr.*, supra, (cited in interference No. 79,165, appeal No. 5,003).

[12] We have described appellee's telegraph exchange system, as disclosed in his reissue application, in interference No. 79,164 (appeal No. 5,002). It is unnecessary, therefore, that we describe it here. In that interference we held that appellee disclosed in his reissue application an operative system. Accordingly, it is unnecessary that we discuss that issue here. We shall proceed, therefore, to consider the right of appellee to make the claims constituting counts 1, 4, 5, 6, and 9 to 13, inclusive.

Count 1 calls for a transmitting unit, a plurality of printer units, a channel to each printer unit, selective switching means for connecting the transmitting unit to any desired channel, and "means individual to each channel for interposing predetermined character signals between the groups of signals forming the messages."

In appellants' patent, the "character signals," called for by the count, are interposed between messages sent by the transmitter.

In attempting to read the count on appellee's disclosure, counsel for appellee and the tribunals of the Patent Office consider the transmitter which sends the main messages to be the transmitting unit, but regard "the messages," referred to in the last clause of the count, to be the answer-back signals transmitted by the called station to the calling station to indicate that the message has been received. Assuming that the answer-back signals may properly be called messages, it seems clear that they cannot be considered "the messages" recited in count 1. Since the count calls for a transmitting unit and receiving units, it is clear, we think, that the messages, referred to in the count, mean messages transmitted from the transmitting unit to the receiving printer units. The use of the definite article "the" leaves no doubt as to the meaning of the term "messages."

In appellee's disclosure, as hereinbefore noted, it is necessary to consider the term "the messages," called for by the count, as answer-back signals which pass, not from the transmitting unit to the receiving printer units, but from the receiving station to the transmitting station. We find no basis whatsoever in count 1 or in appellants' patent for holding that any such meaning of the term "the messages" was intended. Furthermore, if the count is so broadly construed as to mean that answer-back signals are "the messages," it becomes vague and indefinite.

We are of opinion that count 1 should be construed as calling for means for interposing predetermined character signals between messages passing from the transmitting unit. We hold, therefore, that appellee is not entitled to make the claim constituting that count.

Count 4 calls for means for stopping the tape transmitter at the end of each group of message signals. It is thus similar to count 3 of interference No. 79,164 (appeal No. 5,002). For the reasons stated in our decision in that interference, we hold that appellee is entitled to make the claim constituting count 4.

Count 5 calls for a plurality of transmitters and transmission channels, manually operable means for selecting a desired channel, and automatic means for rendering the transmitters operative to send a message over a selected channel when it becomes idle.

In appellants' system, the operator reads the address of a message and manually connects the transmitter with a line corresponding with the address, whereupon the message will be transmitted when the line becomes idle.

In appellee's system, the actual selection of the individual channel to be used is always made automatically. In appellee's disclosure certain messages are deferred until the load on the lines is light and, for this purpose, he employs manually operable switches which may selectively permit certain lines to be used for such messages. However, although the opening of one of those switches prevents the use of the corresponding line for deferred messages, its closing does not cause, but rather permits, a message to be sent over that line, that is, the closing of a switch merely makes a corresponding line available so that it may be automatically selected by another means. That fact was recognized by both the Examiner and the Board. Those tribunals were of opinion, however, that the selection of a desired channel, as called for by the count, did not necessarily mean that the channel was to be used, but merely that it was available for use.

We are of opinion that the meaning of count 5, especially in view of appellants' disclosure, is that the channel is selected for use in transmitting a particular message and that it is actually used for that purpose. This is not true in appellee's system. We hold, therefore, that appellee does not disclose the manually operable selecting means called for by count 5, and that he is not entitled to make the claim constituting that count.

Counts 9 to 13, inclusive, like count 5, are limited to manual selection of channels and, for reasons similar to those stated in our discussion of count 5, those counts are not readable on appellee's disclosure. Accordingly, appellee is not entitled to make the claims constituting those counts.

Count 6, after reciting various channels and transmitters, calls for "means for rendering one of said transmitters inoperative to transmit over one of said channels when another of said transmitters is connected to *or* is awaiting connection to said one of said channels." [Italics ours.]

In appellants' system the arrangement is such that certain transmitters take preference over others, so that one of the less favored transmitters cannot be connected to the channel so long as a preferred one is either connected to it or is waiting connection.

In appellee's disclosure there is no arrangement for preference. The first transmitter calling for the channel seizes it and, of course, no other transmitter can take it while it is being used. However, if, while the channel is in use, other transmitters call for it there is no preference as between them; that is, the first transmitter calling for the channel after it becomes idle seizes it.

The use of the word "or" in count 6 is a clear requirement that there shall be at least one transmitter which cannot seize a channel, either while the channel is in use or while another transmitter is waiting for it. In other words, count 6 requires that when one transmitter is waiting for a channel there must be some means which will preclude another transmitter from using it. No such means is disclosed by appellee since, so long as one of his channels is open, any transmitter may seize it regardless of whether or not others are waiting for it.

There being no disclosure of means in appellee's reissue application which will prevent the seizure of an idle channel by one transmitter while another is waiting for it and, since the count clearly calls for such means, appellee is not entitled to make the claim constituting count 6.

For the reasons stated, the decision of the Board of Interference Examiners is modified, being affirmed as to counts 2, 3, 4, 7, and 8, and reversed as to counts 1, 5, 6, and 9 to 13, inclusive.

Modified.

Notice re Public Law No. 239

Amendment to Regulations for Filing Applications for Patents and Amendments in Foreign Countries under Public 239 of the 77th Congress.

The following regulation 17 is added:

17. *Extension of Licenses.* Whenever a license to file an application in a foreign country has heretofore been granted or is hereafter granted by the Commissioner of Patents, under the provisions of Public Law 239, 77th Congress, Approved August 21, 1941 (55 Stat. 657; 35 U. S. C. 42a), the license is, in each case, hereby revived, renewed and extended to additionally empower the licensee under authority of said license, to forward all duplicate and formal papers to the foreign country and to make all amendments necessary for the prosecution of such application, excluding supplements and continuances originating in this country which disclose inventions, modifications or variations not disclosed in the application authorized under the license. Licensee should apply to the envelope in which material is forwarded to the foreign country under this additional authority, the legend "License No. ——— Commissioner of Patents", inserting the number of the license.

CONDER C. HENRY,
Acting Commissioner of Patents.

Register of Patents Available for Licensing or Sale

Pat. 2,183,608. AUTOMATIC COUPLING FOR TOY TRAINS. Patented Dec. 19, 1939. Means whereby a coupling pin will be released and drop by gravity to couple any two units together when they approach each other. Has independent electrical means for uncoupling any two units of a train of three units or more. (Owner) Arthur Erb. Pequannock Avenue, Pequannock, N. J. Group 39—41. Reg. No. 199.

Pat. 2,334,914. MACHINE FOR CLEANING RUGS, CARPETS, AND THE LIKE. Patented Nov. 23, 1943. Attachment for vacuum cleaners or the like adapted to function in the regular manner or to convert the same into a scrubbing machine. Has means for applying a controlled amount of foam or suds to the surface to be cleaned. Can be applied to manually operated brush type cleaner for use where electric current is not available. (Owner) Carl E. Erickson, 2820 Duchess Drive, Kalamazoo 36, Mich. Groups 35—59—69; 36—21; 39—21. Reg. No. 200.

Pat. 2,293,722. CLEANING MACHINE. Patented Aug. 25, 1942. A device for attachment to vacuum cleaners of the brush type adapted to function in the regular manner or to convert the same into a scrubbing machine. Has means to deposit foam or suds on the surface to be cleaned or scrubbed. Desirable for use with a machine designed solely as a rug, carpet, or floor cleaning machine. Owner has working model of machine. (Owner) Carl E. Erickson, 2820 Duchess Drive, Kalamazoo 36, Mich. Groups 35—59—69; 36—21; 39—21. Reg. No. 201.

Pat. 2,078,005. MILL PLANT FOR ROLLING HOT METAL. Patented Apr. 20, 1937. Capable of producing a wide range of widths in the same mill without necessitating roll changes. Employs feed tables to treat the metal when too stiff to coil. When sufficiently reduced, coilers replace the tables and take up the strip as it passes back and forth through other mill passes. Heat is applied to the coil enclosure to regulate the temperature of the strip. (Co-owner) Thomas H. Ferguson, 726 South Kenilworth Avenue, Oak Park, Ill. Groups 33—12; 35—42. Reg. No. 202.

Pat. 2,311,743. SAFETY PASSING AND BLACK-OUT LIGHT. Patented Feb. 23, 1943. To be mounted in the hub of a vehicle wheel. Deflects light downwardly and illuminates a portion of the side of the vehicle. Light remains stationary and does not rotate when the wheels turn. (Co-owner) Henry L. Elfner, 75 Hawthorne Lane, Indianapolis, Ind. Groups 35—63; 37—41; 38—11—31. Reg. No. 203.

Pat. 2,275,509. CONTROL FOR ROLLING MILLS. Patented Mar. 10, 1942. Which produces strips or sheets of metal. Means to automatically control setting of the rolls to produce sheet material of substantially uniform thickness. Has means to automatically vary the pressure of the rolls depending upon variations in thickness of material entering the mill. (Co-owner) Frank P. Dahlstrom, Woodland Drive, Woodbridge 15, Conn. Groups 33—12; 35—42; 36—19. Reg. No. 204.

Pat. 2,289,410. METHOD AND APPARATUS FOR CONTROLLING ALIGNMENT OF MILL ROLLS. Patented July 14, 1942. Which produce strips or sheets of metal. Means to automatically set the rolls to produce a sheet of substantially uniform thickness throughout and method and means for controlling axial alignment of the rolls so to subject the stock to substantially uniform reduction throughout and to insure passage of stock through substantially the center of the mill. (Co-owner) Frank P. Dahlstrom, Woodland Drive, Woodbridge 15, Conn. Groups 33—12; 35—42; 36—19. Reg. No. 205.

Pat. 2,356,077. COMBINATION COUCH AND BED. Patented Aug. 15, 1944. Folding bed or cot structure, including a frame and two mattresses, which can be set up to form a normal-type couch or sofa. Has detachable arms, carrying an upholstered section, formed of rods in such a manner that vertical ends fit in recesses in the legs of the frame and hold the back mattress in place when in couch-like position. (Co-owner) Rita Emerson, 325 Johnson Avenue, Teaneck, N. J. Groups 25—12—14—19; 33—81. Reg. No. 206.

Design Pat. 137,820. DESIGN FOR A COMBINED TOBACCO BLENDER AND HUMIDOR. Patented May 2, 1944. (Owner) John Russell, Sr., 8 Hillside Ave., Summit, N. J. Groups 21; 25—99. Reg. No. 207.

Pat. 2,301,216. BOTTLE HOLDER. Patented Nov. 10, 1942. Comprising a rigid ring-like frame and rubber gripping means. Automatically adjusts itself to and frictionally engages bottles or the like of various shapes and sizes. (Owner) Edgar J. Koontz, Box 103, Richards, Mo. Groups 33—41; 39—96—99. Reg. No. 208.

Design Pat. 120,785. DESIGN FOR A PIPE RACK. Patented May 28, 1940. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, Attorney, 521 Fifth Ave., New York 17, N. Y. Groups 25—41; 39—96. Reg. No. 209.

Design Pat. 104,944. DESIGN FOR A ROLL-TOP PLAYING CARD BOX. Patented June 15, 1937. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, Attorney, 521 Fifth Ave., New York 17, N. Y. Groups 26—99; 33—31—99. Reg. No. 210.

Pat. 2,201,779. ORNAMENTAL COVERING FOR CONTAINERS. Patented May 21, 1940. Such as a tobacco can. One part is a cylindrical band to encircle the container, one end overlapping the other. The other part fits over the top of the container and band. Can be made of leather or metal covered with leather or the like. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, Attorney, 521 Fifth Avenue, New York 17, N. Y. Groups 31—72; 33—73. Reg. No. 211.

Pat. 2,343,193. PICTURE FRAME DEVICE. Patented Feb. 29, 1944. Made of leather or the like for photographs or identification cards. Device may be placed in open self-supporting manner, and when desired forms an ornamental case for a pack of cigarettes, concealing the true nature of the device. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, Attorney, 521 Fifth Ave., New York 17, N. Y. Groups 21—11; 26—91; 31—13; 39—99. Reg. No. 212.

Pat. 2,125,294. FOLDABLE CLOCK DEVICE. Patented Aug. 2, 1938. Made of any suitable material such as leather, cardboard, etc. Comprises a frame for a clock and a base. When open supports and displays the clock on a flat base. When folded houses the clock in kit-like manner. In either position foldable nature is not apparent. (Owner) Harvey Lathrop. Address correspondence to Frederick Breitenfeld, Attorney, 521 Fifth Ave., New York 17, N. Y. Groups 26—91; 31—72; 34—61. Reg. No. 213.

Pat. 2,366,746. EQUALIZING RETURN TRAP. Patented Jan. 9, 1945. For one pipe heating system, to control the passage of steam therethrough in one direction toward a radiator or the like and also to control the flow of condensate therethrough in the opposite direction. Provides manual control or thermostatic control of heating system. (Owner) Michael E. Miller, 230 East Sola St., Santa Barbara, Calif. Group 33—61—65—66. Reg. No. 214.

Pat. 1,853,372. BOILER. Patented Apr. 12, 1932. A water tube boiler that requires little or no more head room than ordinary fire boilers; can be standardized with horizontal fire tube boilers for diameter, horse powers, etc.; has a selfcontained preheater whereby waste gases can be utilized to heat feed water or preheating tubes used to superheat the steam. (Owner) Michael E. Miller, 230 East Sola St., Santa Barbara, Calif. Groups 33—64—65; 35—11. Reg. No. 215.

Pat. 2,342,157. THERMOSTATIC RADIATOR VALVE. Patented Feb. 22, 1944. Embodies an upright and inverted bellows to control the flow of heating medium to radiator. Provides means for automatic operation as well as means for manually controlling the valve independently of thermostatic operation. (Owner) Michael E. Miller, 230 Sola St., Santa Barbara, Calif. Group. 33—61—65—66. Reg. No. 216.

Pat. 2,204,757. SAFETY VALVE. Patented June 18, 1940. For steam pipes or the like. Will automatically shut off the flow in event of rupture beyond the valve and seal the pipe until the break has been repaired. Valve is set to withstand normal pressure and a sudden decrease in pressure closes the valve. (Owner) Henry C. Henze, 616 Jackson Ave., Linden, N. J. Group 33—61—66. Reg. No. 217.

Pat. 1,961,220. RADIO APPARATUS. Patented June 5, 1934. A selective control means to effect the movement of condensers or other rotatable elements to a multiplicity of predetermined positions. (Owner) Merion J. Huggins, R. F. D. 2, Allendale, N. J. Group 36—61. Reg. No. 218.

Pat. 1,979,107. RADIO APPARATUS. Patented Oct. 30, 1934. Apparatus for tuning a radio receiver from a remote position or to provide time controlled selections of predetermined transmitted radio frequencies at preselected intervals. (Owner) Merion J. Huggins, R. R. D. 2, Allendale, N. J. Group 36—61. Reg. No. 219.

Pat. 2,101,068. METHOD OF AND MEANS FOR CONTROLLING THE FLOW OF ELECTRIC CURRENT. Patented Dec. 7, 1937. An evacuated vessel having sealed therein a gas and a plurality of charageable electrodes, the charge on the electrodes and gas atoms determining the flow of current between two of the fixed electrodes. (Owner) Merion J. Huggins, R. F. D. 2, Allendale, N. J. Group 36—61—99. Reg. No. 220.

Pat. 2,165,483. RADIO APPARATUS. Patented July 11, 1939. Apparatus to effect the actuation of variable condensers or other radio tuning means to predetermined positions at preselected intervals of time. (Owner) Merion J. Huggins, R. F. D. 2, Allendale, N. J. Group 36—61. Reg. No. 221.

Pat. 2,267,102. MEANS FOR CONTROLLING ELECTRICALLY OPERATED APPARATUS. Patented Dec. 23, 1941. Apparatus for preselecting and controlling the starting and stopping of an electric motor and actuation of mechanisms operated thereby at selected predetermined successive intervals. Applicable to tuning elements of radio equipment. (Owner) Merion J. Huggins, R. F. D. 2, Allendale, N. J. Group 36—61. Reg. No. 222.

Design Pat. 122,732. DESIGN FOR A WRINGER FINGER GUARD. Patented Sept. 24, 1940. (Owner) Thomas H. Buchanan, 1233 Pennsylvania Ave., Steubenville, Ohio. Group 35—81. Reg. No. 223.

Design Pat. 139,813. DESIGN FOR A PIN OR SIMILAR ARTICLE OF JEWELRY. Patented Dec. 26, 1944. (Owner) Joseph Walker, 232 East College St., Canonsburg, Pa. Group 39—71. Reg. No. 224.

Pat. 1,744,061. SHAVING PREPARATION. Patented Jan. 21, 1930. Free from phenol-esters of higher fatty acids with a small and regulated amount of styptic incorporated therein. (Owner) Dr. Nathan Sulzberger, 128 Central Park South, New York 19, N. Y. Group 28—32—41. Reg. No. 225.

Pat. 2,024,612. REFRIGERATOR. Patented Dec. 17, 1935. A method of loosening ice cube trays and ice cubes in the trays to permit easy removal. Consists of applying heat either by permanently built-in units or a temporary attachment. Several embodiments shown. (Owner) Dr. Nathan Sulzberger, 128 Central Park South, New York 19, N. Y. Groups 35—84; 36—21. Reg. No. 226.

Pat. 2,033,791. MOISTUREPROOF CIGARETTE AND PROCESS OF MAKING SAME. Patented Mar. 10, 1936. A wrapper for cigarettes which will not adhere to lips; tip is unnoticeable. Formula is recited in the patent. Color may be added. Paper may be one color and tip another. Both ends of wrapper, entire wrapper, or portions of wrapper may be treated. (Owner) Dr. Nathan Sulzberger, 128 Central Park South, New York 19, N. Y. Groups 21—11; 26—25; 35—59. Reg. No. 227.

Pat. 2,291,281. PACKAGE. Patented July 28, 1942. External wrapper constructed and attached to a package in such a manner that a portion containing indicia remains attached to the package when wrapper is removed. May be readily adapted to conventional packaging machines. (Owner) Joseph J. Juhass, Counselor at Law, 415 Lexington Ave., New York 17, N. Y. Groups 26—60—99; 27—51; 35—69. Reg. No. 228.

Pat. 2,378,850. FORM ALIGNER. Patented June 19, 1945. Metallic strip having upturned edges forming seats or stops thereon and adjustable means sliding on the strip engaging a dowel pin projecting from previously prepared concrete footing to position and align for a wall to be cast. (Owner) Warren Hyre, 600 Cleveland St., Clearwater, Fla. Groups 32; 33—81; 35—69. Reg. No. 229.

Pat. 2,379,153. APPARATUS FOR EQUALIZING THE LIGHT INTENSITY OF A FIELD OF VIEW INCLUDING THE SUN AND ADJACENT SPACE. Patented June 26, 1945. Sufficiently to permit viewing the entire field without unduly darkening or lowering the light intensity of any area within the field of view. Applicable for telescopes, photographic equipment, or the like. (Owner) Merrill R. Holste, 1903 Walnut St., St. Paul 8, Minn. Group 39—12—13. Reg. No. 230.

Pat. 1,772,763. DANDELION EXTERMINATOR. Patented Aug. 12, 1930. Elongated tube-like device to discharge liquids into the crown of a plant only. Knob beveled on under side is attached to a stem extending from valve in the bottom of the tube. Knob contracting crown opens valve and liquid flows over knob into crown. (Owner) Walker Van Riper, 771 South High St., Denver, Colo. Group 35—22—61. Reg. 231.

Pat. 1,844,516. CASING-IN PROCESS. Patented Feb. 9, 1932. Attachment of covers to a book by a dry adhesive which is rendered operatively soft by the application of heat electrically and applying pressure to the covers. (Owner) Walter Meyer, 40 Farrell Ave., Mount Vernon, N. Y. Groups 26—27; 27—32; 28—89—94; 35—55. Reg. No. 232.

Pat. 2,076,017. MESSAGE DROP BOX AND SIGNALING SYSTEM. Patented Apr. 6, 1937. For outlying or remote places. Letter dropped in box lights bulb and flashes signal to central office where location of box is established. Office acknowledges letter by alternately flashing bulb. Sender may communicate with office by built-in telephone. Bulb remains lit until letter is collected. System may include a series of boxes on one circuit to office. (Owner) Louis Casper, 8724 115th St., New York 18, N. Y. Groups 33—99; 34—95; 36—19—62. Reg. No. 233.

Pat. 2,012,676. BURNER. Patented Aug. 27, 1935. Steam is used in atomizing the supply of oil to the burner-head. Oil is projected into combustion chamber through deflected burning gases. May be installed in any type of heating plant. (Owner) Joseph C. Williams, 148-20 Ninth Ave., Whitestone, Long Island, N. Y. Group 33—62—63—65. Reg. No. 234.

Pat. 2,358,797. INTERNAL-COMBUSTION ENGINE. Patented Sept. 26, 1944. Reciprocating engine having one or more cylinders, the combustion chambers being in two or more parts operable as one large chamber for high powers, or any number less than the total when operating at lower loads, the remaining parts merely drawing in and discharging air. (Owner) George C. Evans, 5 Balmiere Road South, Cranford, N. J. Groups 35—19; 38—31. Reg. 235.

Pat. 2,226,705. REGULATOR FOR ENGINE DRIVEN GENERATORS. Patented Dec. 31, 1940. Controls voltage and speed of engine and protects the generator and engine against dangerous overloads or other abnormal conditions by shutting down entire plant. Has sufficient power to control a number of separate engines and generators. (Owner) John F. Card, Box 164, Gladstone, Mich. Group 36—19—41. Reg. No. 236.

Pat. 2,251,380. FURNACE UNIT. Patented Aug. 5, 1941. Electric furnace unit having essential working portions completely enclosed. Atmosphere is evacuated and suitable atmosphere comprising gases substituted for satisfactory fluxing action in connection with bonding of various metal sections to a cylindrical object, such as a motor cylinder, positioned about the heater tube of the furnace. (Owner) Ralph Warrender, 509 Hull St., Sharon, Pa. Groups 33—99; 36—19. Reg. No. 237.

Pat. 2,304,975. BRAZING OR WELDING TONGS. Patented Dec. 15, 1942. Portable device of plier-like form having interchangeable electrodes for brazing or welding, particularly adapted for use on light work which may be more or less inaccessible or of a character not easily handled by conventional equipment. So formed to permit circulation of cooling agent therethrough. (Owner) Ralph Warrender, 509 Hull St., Sharon, Pa. Groups 33—52; 36—19. Reg. No. 238.

Pat. 2,034,049. INDICATIVE APPARATUS FOR OBTAINING UNDISTORTED STEREOSCOPIC VIEWS. Patented Mar. 17, 1936. Featured by apparatus adapted for intra-oral and extra-oral use arranged to cooperate with an X-ray tube, such as Coolidge type, for production of stereoscopic radiographs. Film holder may be placed in patient's mouth. Provides means for positioning object to be X-rayed at proper angle. (Owner) Roman J. Levy, D. D. S., 2149 Southern Boulevard, Bronx 60, N. Y. Groups 36—92; 39—12—17. Reg. No. 239.

Pat. 2,294,805. ROTARY ENGINE CONSTRUCTION. Patented Sept. 1, 1942. Engine actuated by fluid pressure wherein means provide adjustment of rotary elements as required for relieving binding engagement between relatively moving parts, such as results from excessive speed and resultant heating effects, and means to facilitate carrying out such adjustment during normal operation of the engine. (Owner) Robert B. Robinson, 4243 Garfield, Kansas City 4, Mo. Groups 35—11—12; 38—31. Reg. No. 240.

Pat. 2,221,264. STEPLADDER. Patented Nov. 12, 1940. Wherein the legs may be shifted and adjusted to conform to uneven surfaces and having means for securing the legs against displacement in such positions. (Owner) Edward R. Nowicki, 504 Adeline St., Trenton 10, N. J. Group 25—99. Reg. No. 241.

Pat. 2,262,546. TURF CULTIVATOR. Patented Nov. 11, 1941. For golf courses or the like for loosening soil and applying fertilizer to underlying turf without any impairment of the playing surface. (Owners) Frank R. Donoho and Dr. Charles C. Bennett. Address correspondence to Albin F. Knight, Attorney, 36 North Griffing Boulevard, Asheville, N. C. Group 35—22. Reg. No. 242.

Pat. 1,963,641. DETACHABLE HEEL LIFT FOR SHOES. Patented June 19, 1934. Comprising a heel plate with a portion cut out in the side and a lift plate with a built-up portion and means whereby a spring pressed ball in the heel plate will frictionally engage a semi-spherical recess in the lift when assembled. (Owner) Samuel A. Mantell, 532 17th St., Niagara Falls, N. Y. Groups 30—22; 31—31. Reg. No. 243.

Pat. 2,000,006. PAPER MAKING MACHINE. Patented May 7, 1935. Including an outlet box movably connected to the head box and provided with means whereby it can be quickly moved out of the way without having to be disassembled or removed from the machine. Simplifies changing of the wire screen or apron. (Owner) Samuel A. Mantell, 532 17th St., Niagara Falls, N. Y. Group 35—54. Reg. No. 244.

Pat. 2,003,987. BELT FASTENER. Patented June 4, 1935. Substantially hinge-like, one part having hooks opening upwardly for engagement with a cylindrical bearing portion on the other part to connect the parts together after attachment to belting material. Permits relative movement to conform closely to the curvature of pulleys or the like. (Owner) Samuel A. Mantell, 532 17th St., Niagara Falls, N. Y. Groups 30—31; 31—21; 33—59. Reg. No. 245.

Pat. 2,292,707. TOOTHBRUSH. Patented Aug. 11, 1942. Of T-shape formation with bristles in separate groups extending substantially at right angles to one another to simultaneously brush the crown as well as the face and rear portions of the teeth. (Owner) Samuel A. Mantell, 532 17th St., Niagara Falls, N. Y. Group 39—22. Reg. No. 246.

Pat. 2,302,337. SIGNAL ATTACHMENT FOR FISHING POLES. Patented Nov. 17, 1942. Mounted on the under side of the rod and using a conventional "pencil" type flashlight or buzzer. When the pole is repeatedly flexed an intermittent signal will result. Can be adjusted for either still or swift water. (Owner) Samuel A. Mantell, 532 17th St., Niagara Falls, N. Y. Group 39—49. Reg. No. 247.

Patent Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER. Reason for removal: Patent has been assigned.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JULY, 1945

EX PARTE CONTINENTAL SCALE CORPORATION, Serial No. 441,233.

In a decision rendered July 10, 1945 (166 Ms. Dec. 800, 66 USPQ 127), *Acting Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Continental Scales Corporation, of Chicago, Ill., the notation "Health-o-Weigh," under the provisions of the act of February 20, 1905, as a trade-mark for weighing scales.

It was held that manifestly "Weigh" is descriptive of the intended use of applicant's goods, and is thus descriptive of the character or quality thereof.

It was further held that the Examiner was correct in requiring a disclaimer of the word "Weigh," since a composite mark which includes a descriptive word, although the mark as a whole does not consist merely in descriptive words or devices, is nonregistrable without a disclaimer of the descriptive word.

In response to applicant's argument that the previous certificate of registration of the trade-mark "Club Health Weigh," for the same goods, is subject to cancelation on the basis of its own alleged prior use of the trade-mark "Health-o-Meter," and that hence the registration should not be made effective as a bar against the present application, it was held that the registration must be assumed to be valid for the purpose of this proceeding, and can be overcome, if at all, only by the institution of an appropriate cancelation proceeding; and unless and until canceled, it stands as a statutory bar to the registration of any confusingly similar mark for merchandise of the same descriptive properties.

It was further held that "Health-o-Weigh" and "Club Health Weigh" are too nearly alike in appearance, sound and significance to be used concurrently on identical goods without likelihood of confusion.

ARTCRAFT HOSIERY COMPANY *v.* KENOSHA FULL FASHIONED MILLS, INC., Opposition No. 22,813.

In a decision rendered July 27, 1945 (166 Ms. Dec. 803, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Artcraft Hosiery Company, of Philadelphia, Pa., to the application of Kenosha Full Fashioned Mills, Inc., of Kenosha, Wis., for registration of the word "Edgecraft," used by applicant since May 11, 1943, as a trade-mark for hosiery. The opposition was predicated on opposer's ownership of the trade-mark "Artcraft," registered for the same goods on April 30, 1935, and continuously used since December, 1921.

It was held that as there is no question of priority, and the goods of the parties are identical in kind, the sole issue to be determined is whether the marks "Edgecraft" and "Artcraft" are confusingly similar.

In response to applicant's argument that the marks as a whole are not likely to be confused because the word "craft," as applied to hosiery, is merely descriptive, so purchasers would look to the words "Edge" and "Art" as indicia of origin, it was held that as a part of the marks in question the word "craft" is not descriptive, but is no more than suggestive of the claimed excellence of the products of the respective parties.

In response to applicant's introduction of a number of registrations alleged to show that the Patent Office has long considered the word "craft" as descriptive and that no exclusiveness is obtainable therein, it was held that these registrations would seem to be incompetent for the purpose offered, but in any event, since the word "craft" is disclaimed in none of them, they would not tend to establish applicant's point.

It was held that the marks "Edgecraft" and "Artcraft" are artificial, not descriptive—a tie of two entirely different words which have no natural but only a forced association.

It was further held that considering the nature of the merchandise to which they are applied, these marks are too nearly alike to be used concurrently without a reasonable likelihood of confusion.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 28, 1945

[VOL. 577. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 483,599. ALLIED KID COMPANY, Boston, Mass. Filed May 21, 1945.

MARACAIN

FOR UNFINISHED AND PARTLY FINISHED LEATHER MADE FROM KID, GOAT, CALF, AND COWHIDE.
Claims use since August 1938.

CLASS 2

RECEPTACLES

Ser. No. 470,633. REXON INC., New York, N. Y. Filed May 25, 1944.

REXON

FOR UNFILLED VANITY CASES AND COMPACTS NOT MADE OF PRECIOUS METAL, COSMETIC CASES FOR ROUGE, LIPSTICK AND POWDER MADE OF COMPOSITION MATERIALS, LEATHER, SIMULATED LEATHER AND BASE METALS, UNFILLED POWDER PUFF BOXES NOT MADE OF PRECIUS METALS, UNFILLED TOOTH BRUSH HOLDERS MADE OF BASE METALS AND COMPOSITION MATERIALS, SEWING BASKETS AND SEWING BOXES SOLD EMPTY IN TRADE, JEWELRY BOXES NOT MADE OF PRECIOUS METALS OR PORCELAIN, GIFT BOXES, AND POCKET COIN HOLDERS.
Claims use since Mar. 30, 1944.

Ser. No. 470,637. REXON INC., New York, N. Y. Filed May 25, 1944.

REXOR

FOR UNFILLED VANITY CASES AND COMPACTS NOT MADE OF PRECIOUS METAL, COSMETIC CASES FOR ROUGE, LIPSTICK AND POWDER MADE OF COMPOSITION MATERIALS, LEATHER, SIMULATED LEATHER AND BASE METALS, UNFILLED POWDER PUFF BOXES NOT MADE OF PRECIOUS METALS, UNFILLED TOOTH BRUSH HOLDERS MADE OF BASE METALS AND COMPOSITION MATERIALS, SEWING BASKETS AND SEWING BOXES SOLD EMPTY IN TRADE, JEWELRY BOXES NOT MADE OF PRECIOUS METALS OF PORCELAIN, GIFT BOXES, AND POCKET COIN HOLDERS.
Claims use since Mar. 30, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 477,196. KADIN BROS. INC., New York, N. Y. Filed Dec. 4, 1944.

KAY FLEX

A PLASTIC FIRST

The words "A Plastic First" are disclaimed apart from the mark.
FOR POCKETBOOKS, PORTFOLIOS, AND PURSES.
Claims use since November 1938.

Ser. No. 479,439. NATIONAL RING & LEATHER CORPORATION, Mansfield, Ohio. Filed Feb. 5, 1945.



FOR WALLETS.
Claims use since July 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 480,584. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Mar. 7, 1945.

DIPPO

FOR SILVER CLEANER.
Claims use since Feb. 20, 1945.

Ser. No. 481,863. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Apr. 7, 1945.

ZOL

The drawing is lined for blue.
FOR DRY CLEANING SOLVENTS.
Claims use since Jan. 5, 1945.

Ser. No. 482,838. GRATON & KNIGHT COMPANY, Worcester, Mass. Filed May 1, 1945.

GRAKO

FOR BELT DRESSING.
Claims use since July 1939.

Ser. No. 484,036. SEE SUDS, St. Louis, Mo. Filed May 31, 1945.

SEE SUDS

The word "Suds" is disclaimed apart from the mark.
FOR POWDERED SOAP COMPOUND.
Claims use since Apr. 1, 1944.

CLASS 5

ADHESIVES

Ser. No. 474,450. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed Sept. 21, 1944.

TEXCEL

FOR COLORED, TRANSLUCENT, AND NON-TRANSPARENT ADHESIVE TAPES USED FOR EXAMPLE FOR MASKING AND MENDING.
Claims use since July 28, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 461,237. CANDY BROS. MFG. CO., St. Louis, Mo Filed June 9, 1943.

GOLD CROSS

FOR MEDICINAL PRODUCT—NAMELY, COUGH DROPS.
Claims use since May 29, 1943.

Ser. No. 461,238. CANDY BROS. MFG. CO., St. Louis, Mo. Filed June 9, 1943.



FOR MEDICINAL PRODUCT—NAMELY, COUGH DROPS.
Claims use since May 29, 1943.

Ser. No. 470,447. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed May 20, 1944.

CID

FOR MEDICINAL PREPARATION FOR SUPPLYING IRON, CALCIUM AND VITAMIN D ESPECIALLY DURING PREGNANCY AND THE PUERPERIUM AND FOR IRON DEFICIENCY ANEMIA.
Claims use since May 4, 1944.

Ser. No. 473,308. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Aug. 16, 1944.

PENICILLIN-C.S.C.

No claim is made to the word "Penicillin" apart from the mark.
FOR PENICILLIN COMPOUNDS.
Claims use since Apr. 29, 1944.

Ser. No. 474,509. JOHN E. RESPONDEK, doing business as Korona Company, Detroit, Mich. Filed Sept. 22, 1944.

KORONA

FOR PREPARATION IN LIQUID FORM FOR USE AS A HAIR TONIC.
Claims use since July 21, 1938.

Ser. No. 474,959. MIAHATI, INC., New York, N. Y. Filed Oct. 5, 1944.

BLUE FOX

FOR PERFUMES.
Claims use since June 1944.

Ser. No. 476,810. LEONE MCINTOSH, New York, N. Y. Filed Nov. 23, 1944.



No claim is made to the words "Leone" "Paris" and "New York" apart from the mark.
FOR PERFUMES.
Claims use since Sept. 15, 1944.

Ser. No. 477,788. NARDAU, LTD., New York, N. Y. Filed Dec. 20, 1944.

Nardau

FOR PERFUMES, SACHETS, TOILET WATER, LIPSTICKS, COLD CREAMS, AFTER-SHAVE LOTIONS AND FACE LOTIONS, AFTER-SHAVE CREAMS, HAIR LOTIONS FOR WAVING, HAIR TONICS, BATH SALTS, AND BATH OILS.
Claims use since Aug. 1, 1944.

Ser. No. 479,394. MEM COMPANY, New York, N. Y., assignor to Mem Company, a co-partnership composed of Paul M. E. Mayer, Renee A. Mayer, and Stephen Herbert Mayer. Filed Feb. 3, 1945.

PEDIGREE

FOR TOILET WATER, PERFUMES, EAU DE COLOGNE, SACHETS, AND BRILLIANTINES.
Claims use since November 1941.

Ser. No. 479,797. JOHN R. HEBERT, doing business as R. B. Hebert & Son, Lynn, Mass. Filed Feb. 14, 1945.



The picture is that of Raymond B. Hebert founder of applicant's business.
FOR LINIMENT FOR RELIEF OF COLDS, IRRITATION OF THE THROAT, SPRAINS.
Claims use since Dec. 1, 1904.

Ser. No. 480,442. DUART MANUFACTURING CO., LTD., San Francisco, Calif. Filed Mar. 3, 1945.

Kesla

FOR PERMANENT WAVE SOLUTION AND A PRIMER FOR USE BEFORE USING COLD WAVING SOLUTION.
Claims use since Jan. 4, 1945.

Ser. No. 481,584. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 31, 1945.

METHIDE

FOR CHEMICALS USED IN COMBINATION WITH RESINS AND RESIN DISPERSIONS FOR WATERPROOFING TEXTILES AND PAPER.
Claims use since Nov. 16, 1944.

Ser. No. 481,666. DERRIS, INC., New York, N. Y. Filed Apr. 3, 1945.

DIDIT

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Mar. 17, 1945.

Ser. No. 481,876. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 9, 1945.

PLUGGIN' JANE

FOR PERFUMES, TOILET WATER, EAU DE COLOGNE, FACE, TALCUM AND BATH POWDER, LIQUID AND CAKE ROUGE, LIPSTICK, FACE AND HAND CREAMS AND LOTIONS, AND BATH SALTS.
Claims use since Mar. 21, 1944.

Ser. No. 482,281. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCACID

FOR DYES AND DYESTUFFS.
Claims use since June 13, 1934.

Ser. No. 482,282. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCAZO

FOR DYES AND DYESTUFFS.
Claims use since Dec. 11, 1934.

Ser. No. 482,283. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCO

FOR DYES AND DYESTUFFS.
Claims use since Jan. 25, 1935.

Ser. No. 482,284. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCOCYL

FOR DYES AND DYESTUFFS.
Claims use since Oct. 4, 1934.

Ser. No. 482,285. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed April 18, 1945.

ELCOFORM

FOR DYES AND DYESTUFFS.
Claims use since Nov. 15, 1935.

Ser. No. 482,286. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCOMINE

FOR DYES AND DYESTUFFS.
Claims use since Sept. 29, 1934.

Ser. No. 482,287. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCOSUL

FOR DYES AND DYESTUFFS.
Claims use since Apr. 19, 1935.

Ser. No. 482,288. L & R ORGANIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 18, 1945.

ELCOVAT

FOR DYES AND DYESTUFFS.
Claims use since July 25, 1940.

Ser. No. 482,701. PUREPAC CORPORATION, New York, N. Y. Filed Apr. 27, 1945.

Tanzall

FOR SKIN LOTION.
Claims use since Apr. 16, 1945.

Ser. No. 482,823. WHITE LABORATORIES, INC., Newark, N. J. Filed Apr. 30, 1945.

BIOTHRICIN

FOR CHEMOTHERAPEUTIC AGENT FOR TOPICAL USE FOR THE TREATMENT OF BACTERIAL INFECTIONS IN HUMANS AND ANIMALS.
Claims use since Apr. 24, 1945.

Ser. No. 482,825. WHITE LABORATORIES, INC., Newark, N. J. Filed Apr. 30, 1945.

OTOTHRICIN

FOR CHEMOTHERAPEUTIC AGENT FOR TOPICAL USE FOR THE PREVENTION AND TREATMENT OF ACUTE AND CHRONIC LOCALIZED INFECTIONS OF THE MIDDLE AND EXTERNAL EAR.
Claims use since Apr. 24, 1945.

Ser. No. 482,924. DEFENDER PHOTO SUPPLY CO., INC., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed May 3, 1945.

DH

EMULSION

FOR LIGHT-SENSITIVE DRY GRANULATED PHOTOGRAPHIC EMULSION.
Claims use since Feb. 23, 1945.

Ser. No. 483,057. HAROLD P. HAGEMEYER, doing business as Odessa Products, Chicago, Ill. Filed May 7, 1945.

FRESS-AID

The word "Aid" is disclaimed apart from the mark.
FOR DOUCHE POWDERS AND SOLUTIONS FOR DOUCHING THE FEMALE ORGANS.
Claims use since Apr. 24, 1945.

Ser. No. 483,224. GEORGIA-CAROLINA OIL COMPANY, Macon, Ga. Filed May 11, 1945.

DEEDETENE

FOR INSECTICIDE.
Claims use since Apr. 25, 1945.

Ser. No. 483,338. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 14, 1945.

Dee-T-cide

FOR AGRICULTURAL CHEMICALS HAVING INSECTICIDAL PROPERTIES.
Claims use since Apr. 27, 1945.

Ser. No. 483,460. WM. T. THOMPSON, doing business as Wm. T. Thompson Co., Los Angeles, Calif. Filed May 16, 1945.

Fix

FOR HORMONE PREPARATION IN TABLET FORM A SOLUTION OF WHICH IS USED TO SPRAY VEGETABLES AND PLANTS TO POLLINATE AND SET BLOOMS.
Claims use since Mar. 15, 1945.

Ser. No. 483,595. U. S. VITAMIN CORPORATION, New York, N. Y. Filed May 19, 1945.

VI-SYNERAL
BRAND OF
VITAMIN DROPS

Applicant disclaims the words "Brand of Vitamin Drops" apart from the mark.
FOR VITAMIN PRODUCTS.
Claims use since July 1, 1943.

Ser. No. 483,758. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y. Filed May 25, 1945.

CLAUDEN

FOR HEMOSTATIC PREPARATIONS.
Claims use since May 1, 1945.

Ser. No. 484,219. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed June 6, 1945.

GOLDEN ROCK

FOR AGRICULTURAL PARASITICIDES.
Claims use since Jan. 2, 1925.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 481,824. ZERO HOUR BOMB COMPANY, Tulsa, Okla. Filed Apr. 6, 1945.

Zero Hour
ELECTRIC BOMB

The words "Electric Bomb" are disclaimed apart from the mark.
FOR BOMBS.
Claims use since June 1, 1936.

CLASS 10

FERTILIZERS

Ser. No. 483,164. ATKINS & DURBROW, INC., New York, N. Y. Filed May 10, 1945.

DRICONURE

FOR COMBINATION FERTILIZER AND SOIL CONDITIONER.
Claims use since Apr. 1, 1930.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 462,212. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed July 21, 1943.

K-FAC

FOR HYDRAULICALLY BONDED ASBESTOS HEAT INSULATING BLOCKS.
Claims use since May 1943.

Ser. No. 468,928. NUKEM PRODUCTS CORPORATION, Buffalo, N. Y. Filed April 1, 1944.

SEALTEX

FOR PLASTIC LININGS AND BRICK PARTS FOR ACID PROOF TANKS.
Claims use since Mar. 8, 1944.

Ser. No. 469,719. BOTFIELD REFRACTORIES COMPANY, Philadelphia, Pa. Filed Apr. 27, 1944.

ADACAST

FOR REFRACTORY CEMENT.
Claims use since July 6, 1934.

Ser. No. 469,720. BOTFIELD REFRACTORIES COMPANY, Philadelphia, Pa. Filed Apr. 27, 1944.

ADAMULL

FOR REFRACTORY CEMENT AND FIREBRICK.
Claims use since Feb. 18, 1942.

Ser. No. 483,600. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed May 21, 1945.

FERA-COTE

The word "Cote" is disclaimed apart from the mark.
FOR PLASTIC WEAR-RESISTING SURFACING COMPOUND FOR FLOORS AND SIMILAR SURFACES, WHICH, ACCORDING TO ITS CONSISTENCY, IS APPLIED TO THE SURFACE TO BE COVERED EITHER BY TROWELLING OR BRUSHING IT THEREON IN ONE OR MORE LAYERS, THE APPLIED COVERING DRYING HARD BY EVAPORATION AND ADHERING FIRMLY TO THE SURFACE COVERED THEREBY.
Claims use since Jan. 18, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 477,346. THE AMERICAN TANK AND FABRICATING COMPANY, Cleveland, Ohio. Filed Dec. 9, 1944.

AMERA-MAG

FOR STEEL PLATES, SHEETS, BARS, INGOTS, AND BILLETS.
Claims use since June 23, 1944.

Ser. No. 482,401. SUMET CORPORATION, Buffalo, N. Y. Filed Apr. 20, 1945.

SUMET

FOR BEARING METALS, CORED AND SOLID BARS, GEAR BLANKS, CASTINGS AND DRAWN RODS, ALL MADE OF BRONZE.
Claims use since Oct. 19, 1923.

Ser. No. 482,409. EDGAR ALLEN & COMPANY LIMITED, Sheffield, England. Filed Apr. 21, 1945.

K 9

FOR TOOL STEEL.
Claims use since Jan. 1, 1889.

CLASS 15

OILS AND GREASES

Ser. No. 479,539. THE TEXAS COMPANY, New York, N. Y. Filed Feb. 7, 1945.

ALCOR

FOR LUBRICATING OIL.
Claims use since May 1, 1937.

Ser. No. 484,186. SINCLAIR REFINING COMPANY, New York, N. Y. Filed June 5, 1945.

HONOL

FOR LIGHT, MEDIUM, AND HEAVY COMPOUNDED OIL USED AS AN ENERGIZER FOR CUTTING OILS, A STRAIGHT CUTTING OIL AND A GRINDING OIL.
Claims use since May 14, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 481,944. THE DAD & LAD CO., New Lenox, Ill. Filed Apr. 10, 1945.

DAD & LAD

FOR PREPARED PAINTS AND GLAZING COMPOUNDS IN THE NATURE OF PUTTY.
Claims use since June 1, 1928.

Ser. No. 481,946. EUREKA PRODUCTS CO., Chicago, Ill. Filed Apr. 10, 1945.

EUREKA

FOR POLISH FOR VARNISHED AND LACQUERED SURFACES AND FOR SIMILAR SURFACES.
Claims use since June 1, 1937.

CLASS 19

VEHICLES

Ser. No. 463,673. LELAND HOLZER, New York, N. Y. Filed Sept. 27, 1943.

"Smiling Irishman"

Listen to his Radio Program

The Battle of the Baritone's

No claim is made to the words "Listen to his Radio Program The Battle of the Baritone's" apart from the mark. Applicant claims ownership of registration No. 405,261 issued Jan. 18, 1944.
FOR AUTOMOBILES.
Claims use since Sept. 15, 1943.

Ser. No. 472,316. CANADIAN MIXERMOBILE CO. LTD., Vancouver, British Columbia, Canada. Filed July 17, 1944.

Ladormobile

FOR LIFT TRUCKS.
Claims use since Sept. 21, 1943.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 467,786. FRANK W. MURPHY, Mount Carmel, Ill. Filed Feb. 26, 1944.

GUARDIAN

FOR SAFETY CONTROL SWITCHES FOR USE IN CONNECTION WITH INTERNAL COMBUSTION ENGINES TO CUT OFF THE ENGINE IGNITION SYSTEM IN CASE OF FAILURE OF OIL PRESSURE OR IN THE EVENT OF ABNORMAL ENGINE TEMPERATURE.
Claims use since December 1941.

Ser. No. 475,049. FLUORESCENT CORPORATION OF AMERICA, Cleveland, Ohio. Filed Oct. 7, 1944.

FLUORESCENT CORPORATION OF AMERICA — FCA — CLEVELAND OHIO "The City of Light"

The representation of the goods, the name "Fluorescent Corporation of America", and the words "Cleveland, Ohio", are disclaimed apart from the mark.
FOR DOMESTIC, COMMERCIAL, AND INDUSTRIAL ELECTRICAL LIGHTING FIXTURES AND FLUORESCENT TUBES.
Claims use since Aug. 4, 1944.

Ser. No. 478,014. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio. Filed Dec. 28, 1944.

TOCCOTRON

FOR INDUCTIVE AND DIELECTRIC HEATING APPARATUS IN WHICH CURRENT FOR HARDENING, ANNEALING, BRAZING, HEATING FOR FORGING, MELTING, AND DRYING ARTICLES AND PARTS OF ARTICLES IS DERIVED FROM ELECTRONIC TUBES, THE TUBES COMPRISING A PART OF THE APPARATUS.
Claims use since Oct. 15, 1944.

Ser. No. 482,200. ARNOT P. FOSTER, doing business as A. P. Foster Co., Lockland, Ohio. Filed Apr. 16, 1945.

"VITROSEAL"

FOR SEALED ELECTRICAL TRANSFORMER CASES.
Claims use since Oct. 15, 1944.

Ser. No. 482,688. THE W. L. MAXSON CORPORATION, New York, N. Y. Filed Apr. 27, 1945.

Whirlwind

FOR ELECTRICAL OVENS.
Claims use since Apr. 2, 1945.

Ser. No. 483,773. KESKO PRODUCTS CO., Bristol, Ind. Filed May 25, 1945.

KESKO

FOR FLOAT CONTROLLED MERCURY SWITCHES.
Claims use since May 16, 1945.

Ser. No. 484,047. WILBUR B. DRIVER COMPANY, Newark, N. J. Filed June 1, 1945.

EVANOHM

FOR WIRE, ROD, AND STRIP FORMED OF NON-FERROUS METALLIC ALLOYS FOR ELECTRICAL PURPOSES.
Claims use since Jan. 4, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 481,015. LAWRENCE J. FLYNN, doing business as Subscription Playing Cards, Boston, Mass. Filed Mar. 17, 1945.

SUBSCRIPTION

FOR PLAYING CARDS.
Claims use since Mar. 2, 1945.

Ser. No. 482,936. E. S. LOWE COMPANY, INC., New York, N. Y. Filed May 3, 1945.

Game Despatcher

No claim is made to the word "Game" apart from the mark.
FOR BOARD GAME PLAYED WITH MOVABLE PIECES.
Claims use since Mar. 27, 1945.

Ser. No. 485,616. TOYAD CORPORATION, Pittsburgh, Pa. Filed July 9, 1945.

"forty five"

FOR DICE GAME.
Claims use since Nov. 14, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,249. CUMMINS PERFORATOR, DIVISION OF A. S. C. CORPORATION, Chicago, Ill. Filed June 15, 1944.

SINCE 1887 · CUMMINS ·

No claim is made to the name "Cummins" apart from the mark.
FOR CANCELLING MACHINES, PERFORATING MACHINES, VALIDATING MACHINES, AND ENDORSING AND CHECK SIGNING MACHINES.
Claims use since July 1941.

Ser. No. 479,510. EXACTONE TOOL AND DIE COMPANY, Los Angeles, Calif. Filed Feb. 7, 1945.

SAND-O-FLEX

The word "Sand" is disclaimed apart from the mark.
FOR SANDING DRUMS FOR SANDING MACHINES.
Claims use since Dec. 20, 1944.

Ser. No. 482,275. ENTERPRISE ENGINE & FOUNDRY CO., San Francisco, Calif. Filed Apr. 18, 1945.

ENTERPRISE

The drawing is lined for shading only.
FOR MARINE AND STATIONARY DIESEL ENGINES AND PROCESS MACHINERY—NAMELY, CONTINUOUS SCREW PRESS MACHINES FOR MOISTURE EXTRACTION FROM BEER MASH, VEGETABLE OFFAL AND FISH OFFAL AND THE LIKE PRODUCTS; VERTICAL MILLS USED FOR DISINTEGRATION, GRINDING AND PROCESSING MATERIALS IN VARIOUS FIELDS OF INDUSTRY AND FOR SUCH PRODUCTS AS ASBESTOS ROCK, BARKS, BONE, BORAX, CACTUS, CAMPHOR GUM, COPRA, CORN COBS, COTTONSEED, GARBAGE, GUMMY MATERIALS, HEMP SEEDS, HERBS, IRISH MOSS, KELP, MASH, NEWSPAPER, FISH OFFAL, VEGETABLE OFFAL, PAPAYA, PULPS, SOAP, STARCH, SUET, AND TALLOW, AND USED ALSO IN THE PRODUCTION OF CERAMIC PRODUCTS, FERTILIZER; CONTINUOUS ROTARY DRYERS UTILIZING DIRECT HEAT, ROTARY AND STEAM TUBE, AND BATCH DRYERS; AND CONTINUOUS SCREW COOKERS USED FOR PROCESSING AND COOKING OF PRODUCTS GENERALLY IN THE NATURE OF THOSE HEREINABOVE SET FORTH BY EITHER DIRECT OR INDIRECT HEAT APPLICATION.
Claims use since November 1920 on Diesel engines; and since January 1931 on process machinery.

Ser. No. 483,823. INTERATLANTIC TRADING CORP., New York, N. Y. Filed May 26, 1945.

TENOR

FOR SAW BLADES AND TWEEZERS.
Claims use since May 22, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 475,407. VIC CLEANING MACHINE CO., Minneapolis, Minn. Filed Oct. 17, 1944.

VIC

No claim is made to the representation of the name plate.
FOR INDUSTRIAL DRY CLEANING AND INDUSTRIAL LAUNDRY MACHINES.
Claims use since Feb. 1, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 459,845. JOHN A. MILLAR, East Orange, N. J. Filed Apr. 13, 1943.

OBSERVOSCOPE

FOR SMALL ASTRONOMICAL INSTRUMENT FOR AID IN NAVIGATION.
Claims use since Sept. 14, 1942.

Ser. No. 469,854. UNITED HYDRAULIC MFG. CO., Los Angeles, Calif. Filed May 1, 1944.

UMCO

FOR CIRCUIT TESTER FOR TESTING ELECTRICAL CURRENTS FLOWING IN THE ELECTRICAL CIRCUITS ON AIRCRAFT.
Claims use since Apr. 10, 1944.

Ser. No. 483,867. OTTO NIEDERER SONS, INC., Titusville, N. J. Filed May 28, 1945.

Egomatic

FOR APPARATUS FOR CANDLING, GRADING, AND HANDLING EGGS.
Claims use since October 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 484,326. SIMMONS COMPANY, New York, N. Y. Filed June 8, 1945.

The Famous 20 Built by SIMMONS

The words "Built by Simmons" apart from the mark are disclaimed.
FOR MATTRESSES.
Claims use since July 1939.

Ser. No. 484,783. IDEAL MATTRESS CORPORATION, Boston, Mass. Filed June 20, 1945.

Baby Bunting

FOR CRIB MATTRESSES.
Claims use since June 15, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 464,021. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Filed Oct. 9, 1943.

COWBOY BRAND

No claim is made to the word "Brand" apart from the mark.
FOR STEAM BOILERS, METAL BOILER JACKETS, CASINGS FOR HEAT EXCHANGERS, STEAM CONDENSERS, FIRE DOORS FOR STOVES, BOILERS, AND FURNACES, AND CEMENT KILNS.
Claims use since Sept. 25, 1943.

Ser. No. 471,898. ESSICK MANUFACTURING COMPANY, Los Angeles, Calif. Filed July 3, 1944.



FOR GAS AND OIL OPERATED AIR CONDITIONING AND HEATING UNITS.
Claims use since April 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 483,056. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 7, 1945.

HOMOJETIZED

FOR VULCANIZABLE TIRE RETREAD STOCK COMMONLY REFERRED TO IN THE TRADE AS CAMELBACK.
Claims use since Feb. 22, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 482,794. EVERSHARP, INC., Chicago, Ill. Filed Apr. 30, 1945.

Skyliner

Applicant is the owner of Reg. No. 400,171.
FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since July 20, 1942.

Ser. No. 483,128. AGENCY PAPER COMPANY, New York, N. Y. Filed May 9, 1945.

"Drape"

FOR AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, WRAPPING PAPER, AND DUPLICATING PAPERS.
Claims use since Apr. 30, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 469,478. UNITED RUBBER WORKERS OF AMERICA, Akron, Ohio. Filed Apr. 19, 1944.



No claim is made to the words "Rubber Workers of America Org'd Sept. 12, 1935" and the map of North and South America, apart from the mark.
FOR PRINTED BOOKS, PAMPHLETS, CIRCULARS, AND NEWSPAPERS.
Claims use since Feb. 1, 1944.

Ser. No. 473,173. ANGLO-AMERICAN PUBLISHING COMPANY LIMITED, Toronto, Ontario, Canada. Filed Aug. 11, 1944.

The CRUSADERS

FOR COMIC STRIP.
Claims use since Apr. 15, 1944.

Ser. No. 473,898. J. A. SMITH COMPANY, St. Louis, Mo. Filed Sept. 4, 1944.

MOTHER NATURE

FOR INSTRUCTION SHEETS.
Claims use since Jan. 15, 1939.

Ser. No. 475,381. YOUNG LIFE CAMPAIGN, Dallas, Tex. Filed Oct. 16, 1944.

Young Life

FOR PUBLICATION PUBLISHED APPROXIMATELY MONTHLY AND CONTAINING PICTURES AND FICTIONAL AND NONFICTIONAL ARTICLES OF ESPECIAL INTEREST TO YOUNG PEOPLE.
Claims use since March 1944.

Ser. No. 478,539. HARRY "A" CHESLER, doing business as Harry "A" Chesler Features Syndicate, New York, N. Y. Filed Jan. 12, 1945.

DYNAMIC COMICS

Applicant disclaims the word "Comics" except as shown.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since July 10, 1941.

Ser. No. 481,361. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Mar. 27, 1945.

smart girl

FOR MONTHLY GENERAL PUBLICATION COVERING FASHIONS, BEAUTY, CAREER INFORMATION, AND OTHER SUBJECTS.
Claims use since Jan. 15, 1945.

Ser. No. 481,631. INDUSTRIAL UNION OF MARINE AND SHIPBUILDING WORKERS OF AMERICA, doing business as The Industrial Union of Marine and Shipbuilding Workers of America, C I O, Camden, N. J. Filed Apr. 2, 1945.

Salute to the Wounded

FOR PERIODICAL TO BE PUBLISHED ANNUALLY.
Claims use since August 1944.

Ser. No. 483,333. NATIONAL OFFICE SUPPLY COMPANY, Waukegan, Ill. Filed May 14, 1945.

Cheeriology

FOR PUBLICATION—A MAGAZINE WHICH IS ISSUED MONTHLY AND CONTAINS SHORT ARTICLES, JOKES, AND HUMOROUS STORIES, ALL DESIGNED TO HIGHLIGHT THE CHEERFUL SIDE OF LIVING.
Claims use since Aug. 1, 1937.

Ser. No. 483,431. KEYS FIBRE COMPANY, Waterville, Maine. Filed May 16, 1945.

KYS-ITEMS

No claim is made to the word "Items" apart from the mark.
FOR PRINTED PUBLICATION IN THE NATURE OF A HOUSE ORGAN PUBLISHED FROM TIME TO TIME.
Claims use since August 1943.

Ser. No. 483,544. McBREST & McBREST, INC., New York, N. Y. Filed May 18, 1945.

GO

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Feb. 29, 1936.

CLASS 39

CLOTHING

Ser. No. 470,704. CHENEY BROTHERS, Manchester, Conn. Filed May 27, 1944.

Gems of American Forestry

No claim is made to the word "American" apart from the mark.
FOR NECKTIES.
Claims use since May 9, 1944.

Ser. No. 474,948. D. BYFORD AND CO. LIMITED, Leicester, England. Filed Oct. 5, 1944.

BLACKBIRD

FOR STOCKINGS AND SOCKS.
Claims use since Jan. 1, 1928.

Ser. No. 474,994. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Oct. 6, 1944.

Andrea

FOR WOMEN'S HATS.
Claims use since May 1, 1914.

Ser. No. 476,529. FANNIE SIEGLE, Seattle, Wash. Filed Nov. 16, 1944.

HANDEE
APRO - KIT

Applicant disclaims the words "Handee" and "Kit" except as shown.
FOR MECHANICS' APRONS.
Claims use since Oct. 24, 1944.

Ser. No. 477,417. ORDEN E. IHLE, North Hollywood, Calif. Filed Dec. 11, 1944.

Jeweltones

FOR SHOES MADE OF A COMBINATION OF PLASTICS, PLASTIC COMPOSITION CONTAINING CORK, AND FABRIC, AND FOR SHOES MADE OF A COMBINATION OF PLASTICS, FABRIC, AND LEATHER.
Claims use since May 26, 1944.

Ser. No. 479,447. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Feb. 5, 1945.

Cholo

FOR COATS FOR WOMEN AND GIRLS.
Claims use since Jan. 7, 1945.

Ser. No. 479,953. ABRAHAM M. SANDERS, doing business as Al Sanders Co., New York, N. Y. Filed Feb. 17, 1945.

SYLVAN-HALL
Clothes

The word "Clothes" is disclaimed apart from the mark.
FOR SUITS FOR MEN AND YOUNG MEN, MEN'S AND YOUNG MEN'S SPORT CLOTHES—NAMELY, SPORT JACKETS, SLACKS, AND SUITS.
Claims use since June 30, 1939.

Ser. No. 481,741. LOUIS GEIGER, INC., New York, N. Y. Filed Apr. 5, 1945.

"Pivoleet"

FOR WOMEN'S GARMENTS—NAMELY, DICKIES, AND BLOUSES.
Claims use since Feb. 28, 1945.

Ser. No. 482,729. CAREFREE WEAR COMPANY, St. Louis, Mo. Filed Apr. 28, 1945.

HI-MISS

The word "Miss" is disclaimed apart from the mark.
FOR WOMEN'S AND GIRLS' PLAYSUITS, SHORTS, SKIRTS, BLOUSES, JUMPERS, AND DRESSES.
Claims use since Jan. 25, 1945.

Ser. No. 483,033. REGAL SHOE COMPANY, Whitman, Mass. Filed May 5, 1945.

REGAL

FOR HOSIERY.
Claims use since Apr. 1, 1929.

Ser. No. 483,577. MANDLEBAUM COATS, New York, N. Y. Filed May 19, 1945.

WINTALURE

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES.
Claims use since Dec. 13, 1943.

Ser. No. 483,819. DANIEL GOLD COMPANY, New York, N. Y. Filed May 26, 1945.

Goldale

FOR JUVENILE AND BOYS' OUTER SHIRTS AND SUNSUITS.
Claims use since Apr. 28, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 481,928. G. W. UNDERHILL, doing business as G. W. Underhill & Co., Kansas City, Mo. Filed Apr. 9, 1945.

RHINO

FOR SHOE AND BOOT LACES.
Claims use since September 1935.

Ser. No. 482,815. STELLA SHERA, Middletown, Ohio. Filed Apr. 30, 1945.

-Lapelier-

FOR ORNAMENTAL FIGURES FORMED FROM YARN, CLOTH, PAPER, WOOD AND DECORATIVE MATERIALS TO BE WORN ON CLOTHING.
Claims use since Mar. 20, 1945.

Ser. No. 484,034. SCOLDING LOCKS CORPORATION, Appleton, Wis. Filed May 31, 1945.

Scoldy Lox

FOR HAIR PINS MADE FROM WIRE AND MILD STEEL.
Claims use since Sept. 20, 1934.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 474,578. CALLAWAY MILLS, LaGrange, Ga. Filed Sept. 25, 1944.

CALLAWAY
MILLS

No claim is made to the notation "Callaway Mills" apart from the mark.
FOR PIECE GOODS OF COTTON AND OF COTTON AND RAYON.
Claims use since June 30, 1944.

Ser. No. 482,234. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 17, 1945.

PLUGGIN' JANE

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, WORSTED, SILK.
Claims use since Mar. 21, 1944.

Ser. No. 482,672. CONCORDIA-GALLIA CORP., New York, N. Y. Filed Apr. 27, 1945.

Concordia-Gallia

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since Dec. 11, 1929.

Ser. No. 482,818. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Apr. 30, 1945.

SUN-N-SAND

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Jan. 5, 1945.

Ser. No. 482,819. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Apr. 30, 1945.

SUN SURF

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Jan. 5, 1945.

Ser. No. 483,427. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed May 16, 1945.

Gabatela

The trade-mark consists of the word "Gabatela."
FOR PIECE GOODS OF COTTON AND RAYON, AND MIXTURES OF COTTON AND RAYON.
Claims use since Dec. 27, 1943.

Ser. No. 483,428. HERBERT MANUFACTURING COMPANY, New York, N. Y. Filed May 16, 1945.

Hobbyana

FOR PIECE GOODS OF COTTON AND RAYON, AND MIXTURES OF COTTON AND RAYON.
Claims use since Apr. 10, 1943.

Ser. No. 483,444. S. T. PALEY TEXTILE CORPORATION, New York, N. Y. Filed May 16, 1945.

ORGAY

FOR PIECE GOODS OF RAYON, COTTON, OR WOOL, OR MIXTURES THEREOF.
Claims use since Mar. 21, 1935.

Ser. No. 484,065. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed June 1, 1945.

RAYOKOOL

FOR PIECE GOODS OF RAYON, COTTON, WOOL, AND MIXTURES THEREOF.
Claims use since Apr. 10, 1945.

Ser. No. 484,557. THE COLUMBIA MILLS, INC., New York, N. Y. Filed June 15, 1945.

FLEXWOOD

FOR WINDOW SHADE CLOTH IN THE PIECE.
Claims use since Dec. 1, 1944.

Ser. No. 484,828. CREST FABRICS CORP., New York, N. Y. Filed June 21, 1945.

CONCERTO

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since July 27, 1943.

Ser. No. 485,257. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Filed June 30, 1945.

EKRO

FOR DYED FABRICS MADE OF OR CONTAINING ACETATE RAYON IN THE PIECE.
Claims use since Feb. 8, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 485,274. FREYDBERG BROS.-STRAUSS, INC., Stamford, Conn., and New York, N. Y. Filed June 30, 1945.

PLEXON

FOR THREAD COATED WITH CELLULOSIC MATERIAL AND USED IN PACKAGING, WEAVING, AND FOR OTHER PURPOSES.
Claims use since Sept. 10, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 472,444. CERTAIN-TEED PRODUCTS CORPORATION, Chicago, Ill. Filed July 21, 1944.

BEAVER

FOR DENTAL PLASTER OF PARIS.
Claims use since Nov. 1, 1923.

Ser. No. 474,998. CUTICO, INC., Orange, N. J. Filed Oct. 6, 1944.

Cutistick

FOR FOUNTAIN APPLICATORS OF THE STICK TYPE FOR APPLYING LIQUID PREPARATIONS FOR REMOVING AND CONDITIONING THE CUTICLE ABOUT THE NAILS OF THE HANDS AND FEET.
Claims use since Aug. 21, 1944.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 484,397. FRIES & FRIES, INC., Cincinnati, Ohio. Filed June 11, 1945.

AIR MAIL



FOR SYRUPS, EXTRACTS, AND FLAVORING COMPOUNDS FOR MAKING NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES.
Claims use since Nov. 13, 1924.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 464,444. HORACE G. RICHHEIMER, doing business as Richheimer Coffee Company, Chicago, Ill. Filed Oct. 27, 1943.

LOVING CUP

FOR COFFEE AND TEA.
Claims use since 1907.

Ser. No. 471,025. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 8, 1944.

TWO-SIXTY-TWO

FOR ANIMAL FEED COMPOUND FOR RUMINANTS CONTAINING UREA, WHEAT MIXED FEED AND DOLOMITIC LIMESTONE.
Claims use since May 6, 1944.

Ser. No. 471,581. VIO BIN CORPORATION, Monticello, Ill. Filed June 23, 1944.

POLLI-NUTS

The word "Nuts" is disclaimed apart from the mark.
FOR DEFATTED SUNFLOWER SEEDS, FORMING A STABLE FOOD HAVING A HIGH VITAMIN AND FOOD ENERGY CONTENT FIT FOR HUMAN CONSUMPTION AND ADAPTED TO BE USED AS A TASTY ADDITIVE FOR CONFECTIONS, FLOURS, AND BAKERY PRODUCTS.
Claims use since Mar. 1, 1944.

Ser. No. 471,703. INTERNATIONAL MILLING COMPANY, Wilmington, Del. Filed June 27, 1944.

SPARKLING JEWEL



FOR WHEAT FLOUR.
Claims use since May 23, 1931.

Ser. No. 473,543. MIDDLETOWN MILK & CREAM CO. INC., Yonkers, N. Y. Filed Aug. 23, 1944.

PUROLAC

FOR MILK POWDER.
Claims use since Aug. 17, 1944.

Ser. No. 477,420. KRAMBO FOOD STORES, INCORPORATED, Oshkosh, Wis. Filed Dec. 11, 1944.

KRAMBO

FOR PRETZELS; DRIED CURRANTS, RAISINS, PRUNES, DATES; GLACED FRUITS; UNPOPPED POPCORN; SALTED AND UNSALTED NUTS; DRIED, CANNED, AND FRESH LIMA BEANS, NAVY BEANS, KIDNEY BEANS, GREAT NORTHERN BEANS; DRIED PEAS (GREEN SPLIT, YELLOW SPLIT, AND WHOLE GREEN); DRIED LENTILS; PEARL BARLEY; POLISHED AND UNPOLISHED RICE; CANDY; WHEAT FLOUR; AND COFFEE.
Claims use since Dec. 14, 1943.

Ser. No. 481,058. CALIFORNIA FRUITARGE, INC., White Plains, N. Y. Filed Mar. 19, 1945.

FRUITARGE

FOR FRUIT CAKE.
Claims use since Jan. 29, 1945.

Ser. No. 481,083. ROMANOFF CAVIAR COMPANY, New York, N. Y. Filed Mar. 19, 1945.

ROMAR

Applicant is the owner of registration Nos. 300,080, 356,963, and 390,287.

FOR POWDERED GRAVY MIX, POWDERED SOUP MIXES, GRANULATED BOUILLON CUBES, AND CAVIAR.

Claims use since Jan. 7, 1938.

Ser. No. 481,533. S. J. GIANELLONI, JR., Baton Rouge, La. Filed Mar. 30, 1945. Under 10-year proviso.

LONGWOOD PLANTATION

FOR TABLE SYRUPS AND MOLASSES.

Claims use since 1892.

Ser. No. 481,610. BURTON & DREYER, Waukegan, Ill. Filed Apr. 2, 1945.

Carol Ann

FOR GENERAL LINE OF CAKES AND COOKIES.

Claims use since Feb. 1, 1944.

Ser. No. 482,907. PETER VOSS, doing business as Tasty Food Products Corp., Washington, D. C. Filed May 2, 1945.

TFPC

FOR POWDERED SEASONING CONTAINING HYDROLIZED PLANT PROTEIN, DEHYDRATED POWDERED FLAVORING VEGETABLES AND PURE SEASONING SPICES FOR USE ON MEATS, SEAFOODS, SPAGHETTI, BAKED BEANS, SOUPS, AND SIMILAR FOODS.

Claims use since Apr. 17, 1945.

Ser. No. 483,082. POLIS & HAGAN, Edinburg, Tex. Filed May 7, 1945.

ALL WUN

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES—NAMELY, TOMATOES.

Claims use since Feb. 5, 1945, on said fruits; and since Apr. 16, 1945, on said tomatoes.

Ser. No. 484,118. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif. Filed June 4, 1945.

CAMA-RIO

FOR FRESH CITRUS FRUITS.

Claims use since May 19, 1945.

Ser. No. 484,140. T. J. MATULICH, doing business as T. J. Matulich Co., Watsonville, Calif. Filed June 4, 1945.



No claim is made to the notation "Tops in Quality" apart from the mark.

FOR FRESH VEGETABLES.

Claims use since January 1944.

Ser. No. 484,262. ARNOLD KNEITEL, doing business as Brighton Products Company, New York, N. Y. Filed June 7, 1945.

APPOM

FOR APPLE SYRUP FOR USE ON FLAPJACKS AND WAFFLES, AS A TOPPING FOR DESSERTS AND ICE CREAM, AND AS A FLAVORING FOR FOODS AND FOOD BEVERAGES.

Claims use since May 1, 1945.

Ser. No. 484,361. RODELLE LABORATORIES, INC., Denver, Colo. Filed June 9, 1945.

MADAME DE POMPADOUR

FOR FLAVORINGS AND FONDANTS FOR FOOD PURPOSES—NAMELY, ENGLISH PEPPERMINT, ORANGE EMULSION, LIME ESSENCE, LEMON ESSENCE, ORANGE ESSENCE, PEPPERMINT ESSENCE, GENUINE LEMON FLAVOR, GENUINE ORANGE FLAVOR, GINGER ALE FLAVOR, LEMON FLAVOR, ROOT BEER FLAVOR, ALMOND FONDANT, BISCUIT FONDANT, BUTTER SPICE FONDANT, COFFEE CAKE FONDANT, CUSTARD FONDANT, DOUGHNUT FONDANT, FRENCH MINT FONDANT, LEMON FONDANT, LEMON CUSTARD FONDANT, LEMON CUSTARD FONDANT (CREME), LIME FONDANT, LIME FONDANT (CREME), MACAROON FONDANT, MACE FONDANT, NUTMEG FONDANT, ORANGE FONDANT, PASTRY FONDANT, PLUM PUDDING FONDANT, PUMPKIN PIE FONDANT, WEDDING CAKE FONDANT, IMITATION LEMON JUICE (FOOD FLAVOR), IMITATION LEMON SPICE FONDANT, IMITATION PISTACHIO NUT FONDANT, IMITATION APPLE FLAVOR, IMITATION APRICOT FLAVOR, IMITATION APRICOT BRANDY FLAVOR, IMITATION BANANA FLAVOR, IMITATION BANANA FLAVOR (CREME), IMITATION BLACK WALNUT FLAVOR, IMITATION BRANDY FLAVOR, IMITATION BURNT ALMOND FLAVOR, IMITATION BUTTER FLAVOR, IMITATION BUTTER FLAVOR (CREME), IMITATION CARAMEL FLAVOR, IMITATION CHERRY FLAVOR, IMITATION CHERRY BRANDY FLAVOR, IMITATION CHERRY PIT FLAVOR, IMITATION COCOANUT AND BUTTER FLAVOR, IMITATION ENGLISH BUTTERSCOTCH FLAVOR, IMITATION GRAPE FLAVOR, IMITATION JAMAICA RUM FLAVOR, IMITATION LEMON FLAVOR, IMITATION MAPLE FLAVOR, IMITATION ORANGE BLOSSOM FLAVOR, IMITATION PEACH FLAVOR, IMITATION PEACH FLAVOR (CREME), IMITATION PEACH BRANDY FLAVOR, IMITATION PINEAPPLE FLAVOR, IMITATION PINEAPPLE FLAVOR (CREME), IMITATION PISTACHIO FLAVOR, IMITATION RASPBERRY FLAVOR, IMITATION RASPBERRY FLAVOR (CREME), IMITATION ROSE FLAVOR, IMITATION RUM AND BUTTER FLAVOR, IMITATION RUM AND BUTTER FLAVOR (CREME 2), IMITATION STRAWBERRY FLAVOR (CREME 2), IMITATION WHISKEY FLAVOR, IMITATION WILD CHERRY FLAVOR.

Claims use since January 1942.

CLASS 47

WINES

Ser. No. 458,349. VALDOME, INCORPORATED, Staten Island, N. Y. Filed Feb. 4, 1943.

Gotham

FOR SPARKLING WINES.

Claims use since Dec. 10, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 458,952. RICKERTOR & SALADINO, doing business as Rickey-Sal All-In-One, New Orleans, La. Filed Mar. 6, 1943.

Rickey-Sal All-in-One

No claim is made to the word "Rickey".

FOR NONALCOHOLIC CONCENTRATED LIQUID PRODUCT FOR USE IN MAKING MIXED DRINKS.

Claims use since Mar. 3, 1943.

Ser. No. 468,438. COMPAÑIA CUBANA DE ALCOHOL, S. A., Santa Cruz Del Norte and Habana, Cuba. Filed Mar. 20, 1944.

JAGUAR

FOR RUM, GIN, WHISKY, ETHYL ALCOHOL, BRANDY, AND ANISETTE.

Claims use since Jan. 31, 1944.

Ser. No. 470,485. COMPAÑIA CUBANA DE ALCOHOL, S. A., Santa Cruz Del Norte and Habana, Cuba. Filed May 22, 1944.

CUCARACHA

FOR RUM, GIN, WHISKEY, ETHYL ALCOHOL, COGNAC, BRANDY, AND ANISETTE.

Claims use since Jan. 31, 1944.

Ser. No. 470,489. COMPAÑIA CUBANA DE ALCOHOL, S. A., Santa Cruz Del Norte and Habana, Cuba. Filed May 22, 1944.

ZIG-ZAG

FOR RUM, GIN, WHISKEY, ETHYL ALCOHOL, COGNAC, BRANDY, AND ANISETTE.

Claims use since Jan. 31, 1944.

Ser. No. 471,513. COMPAÑIA CUBANA DE ALCOHOL, S. A., Santa Cruz Del Norte and Habana, Cuba. Filed June 22, 1944.

CHACAL

FOR RUM, GIN, WHISKY, BRANDY, ETHYL ALCOHOL, COGNAC, AND ANISETTE.

Claims use since Jan. 31, 1944.

Ser. No. 471,514. COMPAÑIA CUBANA DE ALCOHOL, S. A., Santa Cruz Del Norte and Habana, Cuba. Filed June 22, 1944.

CHIQUITA

FOR RUM, GIN, WHISKY, BRANDY, ETHYL ALCOHOL, COGNAC, AND ANISETTE.
Claims use since Jan. 31, 1944.

Ser. No. 485,258. BARDINET, LTD., New York, N. Y. Filed June 30, 1945.

APRICOSTA

FOR APRICOT FLAVORED BRANDY.
Claims use since June 11, 1945.

Ser. No. 485,259. BARDINET, LTD., New York, N. Y. Filed June 30, 1945.

BERRISETTE

FOR BLACKBERRY FLAVORED BRANDY.
Claims use since June 13, 1945.

Ser. No. 485,260. BARDINET, LTD., New York, N. Y. Filed June 30, 1945.

CHERRISETTE

FOR CHERRY FLAVORED BRANDY.
Claims use since June 12, 1945.

Ser. No. 485,261. BARDINET, LTD., New York, N. Y. Filed June 30, 1945.

PEACHETTE

FOR PEACH FLAVORED BRANDY.
Claims use since June 12, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 475,110. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Oct. 9, 1944.

Air-n-Lite

FOR AWNINGS AND TENTS.
Claims use since July 14, 1944.

Ser. No. 479,074. IMPERIAL BAKER CO., Brooklyn, N. Y. Filed Jan. 27, 1945.

Imperial Baker

The word "Baker" is disclaimed apart from the mark.
FOR POTTERY FIGURINES, HAND PAINTED AND ORNAMENTAL CHINAWARE FIGURINES, CHINAWARE FIGURINES, AND PLAQUES.
Claims use since Dec. 18, 1944.

Ser. No. 481,024. HI-GOAL PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 17, 1945.

SOLYDE
CONTAINS LEATHER

The words "Contains Leather" and the outline representation of a hide apart from the mark are disclaimed.
FOR ARTIFICIAL LEATHER HAVING LEATHER FIBER CONTENT.
Claims use since May 9, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 28, 1945

416,071. HOME, AUTOMOBILE AND PORTABLE RADIOS AND PARTS THEREOF, INCLUDING RADIO BATTERIES, RADIO AERIALS, RADIO TUBES, AND ELECTRIC RECORD PLAYERS, AUTOMOBILE HORNS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 12, 1940. Serial No. 432,937. PUBLISHED SEPTEMBER 17, 1940. Class 21.

416,072. AEROPLANES AND AEROPLANE STRUCTURAL PARTS. TIMM AIRCRAFT CORPORATION, Van Nuys, Calif.
Filed January 6, 1942. Serial No. 450,035. PUBLISHED MAY 26, 1942. Class 19.

416,073. MAGNETIC CHUCKS, MAGNETIC PARALLELS, ELECTRIC DEMAGNETIZERS AND ELECTRIC ETCHERS. GLENN E. PRINTZ, doing business as Printz Electric Company, Detroit, Mich.
Filed May 6, 1942. Serial No. 452,836. PUBLISHED OCTOBER 20, 1942. Class 21.

416,074. WATCHES AND CLOCKS AND PARTS OF WATCHES AND CLOCKS. ORIS WATCH CO. LTD., Holstein, Switzerland.
Filed April 27, 1943. Serial No. 460,218. PUBLISHED OCTOBER 19, 1943. Class 27.

416,075. FOOD PRODUCT FOR HUMAN CONSUMPTION COMPRISING HULLED, COOKED, AND DIVIDED SOY BEANS. I. F. LAUCKS, INC., Seattle, Wash.
Filed September 20, 1943. Serial No. 463,524. PUBLISHED JUNE 19, 1945. Class 46.

416,076. PROJECTOR SCREENS FOR RECEIVING LIGHT PROJECTED PICTURES. MUSEBECK SHOE COMPANY, Danville, Ill.
Filed November 15, 1943. Serial No. 465,005. PUBLISHED FEBRUARY 20, 1945. Class 26.

416,077. NON-ALCOHOLIC INDUSTRIAL FLUID FLAVORINGS FOR MANUFACTURING BAKERS, CONFECTIONERS AND THE LIKE SOLD IN BOTTLES OF LARGE VOLUME. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif.
Filed December 30, 1943. Serial No. 466,202. PUBLISHED JUNE 19, 1945. Class 46.

416,078. PAPER DRESS PATTERNS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed February 18, 1944. Serial No. 467,547. PUBLISHED JUNE 12, 1945. Class 26.

416,079. MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, ETC. MORRIS HOFFMAN, New York, N. Y.
Filed March 4, 1944. Serial No. 467,973. PUBLISHED JUNE 19, 1945. Class 28.

416,080. PURE DEHYDRATED GARLIC. J. E. HILL & COMPANY, Minneapolis, Minn.
Filed March 25, 1944. Serial No. 468,674. PUBLISHED JUNE 12, 1945. Class 46.

416,081. RADIO TUBES. SLATER ELECTRIC & MFG. CO., Brooklyn, N. Y.
Filed March 31, 1944. Serial No. 468,904. PUBLISHED JUNE 19, 1945. Class 21.

416,082. COFFEE. GREEK-ARABIAN COFFEE CO., INC., New York, N. Y.
Filed April 4, 1944. Serial No. 469,010. PUBLISHED JUNE 19, 1945. Class 46.

416,083. GIRAFFE CARICATURE TOY. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 12, 1944. Serial No. 469,252. PUBLISHED JUNE 19, 1945. Class 22.

416,084. ELEPHANT CARICATURE TOY. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 12, 1944. Serial No. 469,253. PUBLISHED JUNE 19, 1945. Class 22.

416,085. SQUIRREL CARICATURE TOY. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 12, 1944. Serial No. 469,254. PUBLISHED JUNE 19, 1945. Class 22.

416,086. CANDY. THE SHOTWELL MFG. CO., Chicago, Ill.
Filed May 5, 1944. Serial No. 469,973. PUBLISHED JUNE 19, 1945. Class 46.

416,087. EDGE CUTTING IMPLEMENTS OF THE MACHETE TYPE USED FOR CUTTING WOOD, SAPLINGS, BRIARS, BRUSH, CORN STALKS, AND THE LIKE. THE VICTOR TOOL COMPANY, Reading, Pa.
Filed May 9, 1944. Serial No. 470,089. PUBLISHED JUNE 19, 1945. Class 23.

416,088. HOSE COUPLINGS. ANCHOR COUPLING COMPANY, Libertyville, Ill.
Filed May 20, 1944. Serial No. 470,431. PUBLISHED JUNE 12, 1945. Class 13.

416,089. BOARD GAME. WILLIAM JULIUS CHAMPION, doing business as Mystic Game Co., Mystic, Stonington, Conn.
Filed June 23, 1944. Serial No. 471,550. PUBLISHED JUNE 19, 1945. Class 22.

416,090. BELLOWS OF METAL. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed July 12, 1944. Serial No. 472,141. PUBLISHED JUNE 5, 1945. Class 13.

416,091. AUTOGRAPHIC REGISTERS AND SIMILAR RECORDING MACHINES FOR SUPPORTING RECORD RECEIVING PAPER FORMS FOR RECEPTION OF RECORD INSCRIPTIONS AND SUPPLIES OF RECORD PAPER FORMS FOR SAME. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y., now by change of name Moore Business Forms, Inc.
Filed July 22, 1944. Serial No. 472,496. PUBLISHED JUNE 19, 1945. Class 37.

416,092. GLASS TABLEWARE. THE RAINBOW ART COMPANY, Huntington, W. Va.
Filed August 16, 1944. Serial No. 473,338. PUBLISHED JUNE 12, 1945. Class 33.

416,093. FLOCK FEEDERS AND POULTRY FOUNTAINS. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed September 16, 1944. Serial No. 474,305. PUBLISHED JUNE 19, 1945. Class 50.

416,094. CEREAL BREAKFAST FOODS. KELLOGG COMPANY, Battle Creek, Mich.
Filed October 4, 1944. Serial No. 474,910. PUBLISHED JUNE 19, 1945. Class 46.

416,095. RING-TYPE BINDING DEVICES MADE OF PLASTIC MATERIAL OR OF METAL USED IN BINDING PAPER, CATALOGS, BOOKS, AND THE LIKE. GENERAL BINDING CORPORATION, Chicago, Ill.
Filed October 16, 1944. Serial No. 475,362. PUBLISHED JUNE 19, 1945. Class 37.

416,096. WOOLEN, COTTON, AND RAYON PIECE GOODS. PETER FREUND KNITTING MILLS, North Bergen, N. J.
Filed November 1, 1944. Serial No. 475,949. PUBLISHED JUNE 19, 1945. Class 42.

416,097. NECKLACES, RINGS, EARRINGS, PINS, BRACELETS AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. W. & R. JEWELRY CO. INC., Attleboro, Mass.
Filed November 1, 1944. Serial No. 475,990. PUBLISHED JUNE 19, 1945. Class 28.

416,098. WHEAT SEMOLINA AND FLOUR; FLOUR MADE FOR HUMAN CONSUMPTION FROM WHEAT, MAIZ (CORN), OATS, RYE AND BARLEY; FECULA FOR HUMAN CONSUMPTION AS AN INGREDIENT IN FOOD; FLOUR USED AS FODDER FOR ANIMALS MADE FROM SUNFLOWER, PEANUTS AND COTTON SEEDS; AND MALT AND ALIMENTARY PASTE. MINETTI & CIA. LTDA. SOCIEDAD ANONIMA INDUSTRIAL Y COMERCIAL, Rosario, Argentina.
Filed November 10, 1944. Serial No. 476,335. PUBLISHED JUNE 19, 1945. Class 46.

416,099. HYDRAULIC CYLINDERS AND VALVES. BENDIX AVIATION CORPORATION, North Hollywood, Calif.
Filed November 15, 1944. Serial No. 476,457. PUBLISHED JUNE 12, 1945. Class 13.

416,100. GAMES, BEING A FORM OF GAME ENTERTAINMENT CONSISTING OF A GAME BOARD, PLAYING CARDS AND CARDBOARD COINS. PEERLESS SALES COMPANY, Chicago, Ill.
Filed November 15, 1944. Serial No. 476,480. PUBLISHED JUNE 19, 1945. Class 22.

416,101. WEIGHING MACHINES. TRIANGLE PACKAGE MACHINERY COMPANY, Chicago, Ill.
Filed November 18, 1944. Serial No. 476,650. PUBLISHED JUNE 12, 1945. Class 26.

416,102. PHONOGRAPH RECORDS. BORIS MORROS MUSIC CO., Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,692. PUBLISHED APRIL 3, 1945. Class 36.

416,103. HAND TRUCKS AND TRAILER TRUCKS. THE MERCURY MANUFACTURING COMPANY, Chicago, Ill.
Filed November 27, 1944. Serial No. 476,920. PUBLISHED JUNE 19, 1945. Class 19.

416,104. MAGNETIC COMPASSES AND PARTS AND ACCESSORIES THEREFOR INCLUDING COMPASS BRACKETS, COMPENSATING SPHERES, COMPASS MAGNIFIERS, AND WOOD AND METAL BINNACLES. DIRIGO COMPASS AND INSTRUMENT COOPERATIVE ASSOCIATION, Auburn, Wash.
Filed November 29, 1944. Serial No. 477,005. PUBLISHED JUNE 19, 1945. Class 26.

416,105. AIRPLANES. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif.
Filed December 6, 1944. Serial No. 477,259. PUBLISHED JUNE 19, 1945. Class 19.

416,106. DIGGING, GRADING, SURFACE MODIFYING AND MATERIAL MOVING AND MATERIAL LOADING EQUIPMENT, ETC. THE F. W. F. CORPORATION, Cleveland, Ohio.
Filed Decembr 20, 1944. Serial No. 477,762. PUBLISHED JUNE 19, 1945. Class 23.

416,107. PAPER PRODUCTS USED FOR WRAPPING AND PACKAGING—NAMELY, GUM TAPE, TOILET TISSUE, PAPER TOWELS, KRAFT PAPER FOR WRAPPING, TISSUE PAPER FOR WRAPPING, BOGUS PAPER FOR WRAPPING, BUFF AND WHITE, CORRUGATED ROLLS, JUTE PAPER, MANILA PAPER, MARKING PAPER, NEWS PRINT PAPER AND WATERPROOF PAPER. VIKING PAPER CO. INC., New York, N. Y.
Filed December 21, 1944. Serial No. 477,829. PUBLISHED JUNE 19, 1945. Class 37.

416,108. CHAIN MADE OF PRECIOUS METALS FOR USE BY THE JEWELRY INDUSTRY IN THE MANUFACTURE OF ARTICLES OF JEWELRY. UNIVERSAL CHAIN CO., INC., Maplewood, N. J.
Filed December 29, 1944. Serial No. 478,062. PUBLISHED JUNE 19, 1945. Class 28.

416,109. TRANSPARENT PANES OF GLASS SUBSTITUTE FOR WINDSHIELDS AND WINDOWS FOR AIRCRAFT. HEATH COMPANY, Benton Harbor, Mich.
Filed January 13, 1945. Serial No. 478,581. PUBLISHED JUNE 5, 1945. Class 50.

416,110. PORTABLE ELECTRIC SPACE HEATERS. TRILLING AND MONTAGUE, Philadelphia, Pa.
Filed January 24, 1945. Serial No. 478,981. PUBLISHED JUNE 19, 1945. Class 21.

416,111. PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed January 26, 1945. Serial No. 479,029. PUBLISHED JUNE 19, 1945. Class 42.

416,112. AIRPLANES AND STRUCTURAL PARTS THEREOF. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif.
Filed January 29, 1945. Serial No. 479,112. PUBLISHED JUNE 19, 1945. Class 19.

416,113. PLUG GAGES, THREAD GAGES, RING GAGES, SNAP GAGES, PROFILE GAGES, FLUSH PIN GAGES, AND BUILT-UP GAGES. N. A. WOODWORTH COMPANY, Ferndale, Mich.
Filed February 1, 1945. Serial No. 479,320. PUBLISHED JUNE 19, 1945. Class 26.

416,114. EARTH GRADING AND LEVELING IMPLEMENTS, PARTICULARLY THE TYPE KNOWN AS FLOATS OR FINISH LEVELERS. MARVIN LANDPLANE CO., Knights Landing, Calif.
Filed February 7, 1945. Serial No. 479,523. PUBLISHED JUNE 19, 1945. Class 23.

416,115. LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT. HERBERT RUBIN, doing business as Novell, New York, N. Y.
Filed February 8, 1945. Serial No. 479,602. PUBLISHED JUNE 19, 1945. Class 50.

416,116. RAYON PIECE GOODS. LINCOLN FABRICS CO., New York, N. Y.
Filed February 13, 1945. Serial No. 479,749. PUBLISHED JUNE 19, 1945. Class 42.

416,117. TREAD MATERIAL COMPOSED ESSENTIALLY OF A CLOTH BASE COATED WITH AN ABRASIVE RESIN COMPOSITION AND USED AS A COVERING FOR FLOORS, STEPS, RAMPS, SHIP DECKS, AND OTHER SIMILAR TREAD SURFACES, TO PREVENT SLIPPING AND TO INSURE LONG WEAR. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed February 14, 1945. Serial No. 479,763. PUBLISHED JUNE 5, 1945. Class 50.

146,118. COTTON PIECE GOODS. PACIFIC MILLS, New York, N. Y.
Filed February 17, 1945. Serial No. 479,946. PUBLISHED JUNE 19, 1945. Class 42.

416,119. COTTON PIECE GOODS. PACIFIC MILLS, New York, N. Y.
Filed February 17, 1945. Serial No. 479,947. PUBLISHED JUNE 19, 1945. Class 42.

416,120. COTTON PIECE GOODS. PACIFIC MILLS, New York, N. Y.
Filed February 17, 1945. Serial No. 479,948. PUBLISHED JUNE 19, 1945. Class 42.

416,121. COTTON PIECE GOODS. PACIFIC MILLS, New York, N. Y.
Filed February 17, 1945, Serial No. 479,949. PUBLISHED JUNE 19, 1945. Class 42.

416,122. PLASTIC COMPOSITION IN THE FORM OF SHEETS SUITABLE FOR USE AS PATENT OR IMITATION LEATHER. THE REX CO., INC., Cambridge, Mass.
Filed February 21, 1945. Serial No. 480,088. PUBLISHED JUNE 12, 1945. Class 50.

416,123. TOY TRACING SETS. NORMAN S. STAHL, Chicopee Falls, Mass.
Filed February 23, 1945. Serial No. 480,147. PUBLISHED JUNE 19, 1945. Class 22.

416,124. VISIBLE RECORD CABINETS, STANDS FOR VISIBLE RECORD EQUIPMENT, AND VISIBLE RECORD BRACKETS. ACME VISIBLE RECORDS, INC., Chicago, Ill.
Filed February 26, 1945. Serial No. 480,220. PUBLISHED JUNE 19, 1945. Class 32.

416,125. HOISTING CARGO HOOKS. AMERICAN CHAIN LADDER CO., INC., New York, N. Y.
Filed February 28, 1945. Serial No. 480,307. PUBLISHED JUNE 5, 1945. Class 13.

416,126. FILING CABINETS. ART STEEL SALES CORPORATION, New York, N. Y.
Filed February 28, 1945. Serial No. 480,308. PUBLISHED JUNE 19, 1945. Class 32.

416,127. FILING CABINETS. ART STEEL SALES CORPORATION, New York, N. Y.
Filed February 28, 1945. Serial No. 480,309. PUBLISHED JUNE 19, 1945. Class 32.

416,128. FOUNTAIN PENS AND PARTS THEREOF. L. E. WATERMAN COMPANY, New York, N. Y.
Filed February 28, 1945. Serial No. 480,359. PUBLISHED JUNE 19, 1945. Class 37.

416,129. WATCHES. EMIL LEICHTER, New York, N. Y.
Filed March 3, 1945. Serial No. 480,461. PUBLISHED JUNE 19, 1945. Class 27.

416,130. TOYS MADE OF PLASTIC MATERIAL—NAMELY, CLOCKS, SAVINGS BANKS, SALAD SETS, SERVING SETS, MIXING BOWLS, KNIVES, FORKS, SPOONS, TUMBLERS, KITCHEN, DINING ROOM, PLAYROOM, LIVING ROOM FURNITURE, BED ROOM, ATTIC, PORCH, AND GARDEN FURNITURE. ARDEE PLASTICS COMPANY, INC., New York, N. Y.
Filed March 5, 1945. Serial No. 480,493. PUBLISHED JUNE 19, 1945. Class 22.

416,131. CHAIRS FOR DOMESTIC USE. SAM BELZ, Memphis, Tenn.
Filed March 7, 1945. Serial No. 480,557. PUBLISHED JUNE 19, 1945. Class 32.

416,132. WATCHES. JULES KLEIN & JOSEPH MULLER, New York, N. Y.
Filed March 10, 1945. Serial No. 480,772. PUBLISHED JUNE 19, 1945. Class 27.

416,133. MOTOR FUELS FOR USE IN INTERNAL COMBUSTION ENGINES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed March 12, 1945. Serial No. 480,844. PUBLISHED JUNE 19, 1945. Class 15.

416,134. CIGARS. ODENCE MANUFACTURING CO., Boston, Mass.
Filed March 14, 1945. Serial No. 480,921. PUBLISHED JUNE 19, 1945. Class 17.

416,135. MOTOR FUELS FOR USE IN INTERNAL COMBUSTION ENGINES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed March 17, 1945. Serial No. 481,031. PUBLISHED JUNE 19, 1945. Class 15.

416,136. ALTIMETERS. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J.
Filed March 19, 1945. Serial No. 481,051. PUBLISHED JUNE 19, 1945. Class 26.

416,137. FILTER PAPERS. HENRY E JACOBY, New York, N. Y.
Filed March 20, 1945. Serial No. 481,112. PUBLISHED JUNE 19, 1945. Class 31.

416,138. BREAKFAST CEREAL MIX CONTAINING DEHYDRATED APPLES, FARINA, AND SEASONING INGREDIENTS. DRY-PACK CORPORATION, New York, N. Y.
Filed March 21, 1945. Serial No. 481,135. PUBLISHED JUNE 19, 1945. Class 46.

416,139. JAMS, PEANUT BUTTER, SALAD DRESSING AND SALAD RELISH. THE BAMA COMPANY, Birmingham, Ala.
Filed March 23, 1945. Serial No. 481,205. PUBLISHED JUNE 12, 1945. Class 46.

416,140. FOUNTAIN PENS AND PENCILS AND FOR PEN AND PENCIL SETS. SALZ BROTHERS, INC., New York, N. Y.
Filed March 23, 1945. Serial No. 481,248. PUBLISHED JUNE 19, 1945. Class 37.

416,141. PLATFORM OR SUPPORT WHICH IS RESILIENTLY MOUNTED AND ABSORBS VIBRATION TO AN EXTENT ENABLING DELICATE INSTRUMENTS TO BE OPERATED THEREON. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed March 24, 1945. Serial No. 481,280. PUBLISHED JUNE 19, 1945. Class 26.

416,142. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed March 31, 1945. Serial No. 481,593. PUBLISHED JUNE 19, 1945. Class 2.

416,143. SPARK PLUGS. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill.
Filed April 2, 1945. Serial No. 481,644. PUBLISHED JUNE 19, 1945. Class 21.

416,144. SPARK PLUGS. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill.
Filed April 3, 1945. Serial No. 481,673. PUBLISHED JUNE 19, 1945. Class 21.

416,145. SEWING MACHINES, SEWING MACHINE PARTS AND ATTACHMENTS. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y.
Filed April 3, 1945. Serial No. 481,683. PUBLISHED JUNE 19, 1945. Class 23.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

416,146. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) LOGAN ENGINEERING. Co., Chicago, Ill. Filed April 7, 1943. Serial No. 459,692.

ARIDIFIER

FOR CENTRIFUGAL SEPARATORS OF MOISTURE AND/OR DUST FROM FLOWING GASES.
Claims use since Aug. 25, 1937.

416,147. (CLASS 39. CLOTHING.) BOND STORES, INCORPORATED, New York, N. Y. Filed May 28, 1943. Serial No. 460,981.

THE BOND

Four Seasons

COAT

FOR GIRLS', MISSES', AND WOMEN'S SUITS, TOP COATS AND OVERCOATS.
Claims use since May 20, 1943.

416,148. (CLASS 39. CLOTHING.) LOUIS HERMAN & COMPANY, New York, N. Y. Filed Jan. 17, 1944. Serial No. 466,649.

Powers Model slips

FOR WOMEN'S SLIPS.
Claims use since Oct. 13, 1942.

416,149. (CLASS 39. CLOTHING.) Z. & Z. MANUFACTURING CO., New York, N. Y. Filed May 5, 1944. Serial No. 469,979.

Roberta Lynn

FOR BLOUSES, SLACK SUITS, PLAY SUITS, AND SHORTS, FOR WOMEN AND GIRLS.
Claims use since October 1942.

416,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed May 9, 1944. Serial No. 470,064.

AMERICAN DIETAIDS'

FOR VITAMIN FORTIFIED SOUPS AND A PREPARATION CONTAINING MALTED MILK, COCOA, MALT, SUGARS, VITAMINS AND FLAVORS FOR MAKING FOOD DRINKS.
Claims use since July 17, 1940.

416,151. (CLASS 39. CLOTHING.) JACOB S. KAMBORIAN, Cambridge, Mass. Filed June 9, 1944. Serial No. 471,086.

FORCE-LASTED

FOR WOMEN'S AND CHILDREN'S SHOES PREDOMINANTLY OF LEATHER, FABRIC, OR COMBINATIONS OF LEATHER AND FABRIC.
Claims use since May 24, 1944.

416,152. (CLASS 12. CONSTRUCTION MATERIALS.) THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 15, 1944. Serial No.471,294.

STRIP-SEAL

FOR MASTIC MATERIAL OF TAPE-LIKE FORM FOR WEATHERSTRIPPING AND WATER SEALING PURPOSES.
Claims use since Jan. 18, 1944.

416,153. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ANDERSON-STOLZ PHARMACEUTICALS, INC., Kansas City, Mo. Filed June 16, 1944. Serial No. 471,298.

AERO-KLENZ

FOR AIR HUMIDIFYING AND DEODORIZING UNITS.
Claims use since June 1, 1944.

416,154. (CLASS 39. CLOTHING.) SOL SHERMAN, doing business as Sherman Bows, New York, N. Y. Filed June 17, 1944. Serial No. 471,365.

Parisian Hand Paints

BY SHERMAN

FOR NECKTIES AND BOW TIES.
Claims use since June 7, 1944.

416,155. (CLASS 39. CLOTHING.) EMPORIUM WORLD MILLINERY COMPANY, Chicago, Ill. Filed June 19, 1944. Serial No. 471,390.

Norman Durand

FOR WOMEN'S HATS.
Claims use since June 13, 1943.

416,156. (CLASS 39. CLOTHING.) EMPORIUM WORLD MILLINERY COMPANY, Chicago, Ill. Filed June 19, 1944. Serial No. 471,391.

Roberta Bernays

FOR WOMEN'S HATS.
Claims use since Sept. 30, 1941.

416,157. (CLASS 39. CLOTHING.) EVERITT HAT COMPANY, Milwaukee, Wis. Filed June 29, 1944. Serial No. 471,794.

Nunwoven Everitt

FOR WOMEN'S, MISSES', AND GIRLS' HATS.
Claims use since June 19, 1944.

416,158. (CLASS 39. CLOTHING.) LONGWOOD MANUFACTURING CO., Boston, Mass. Filed July 8, 1944. Serial No. 472,008.

Betty Hill

FOR CHILDREN'S BLOUSES, DRESSES, AND SKIRTS.
Claims use since June 23, 1944.

416,159. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WOBURN CHEMICAL CORP. (N. J.), Kearny, N. J. Filed July 17, 1944. Serial No. 472,349.

W O L I N

FOR DRYING OIL FOR PAINTS AND VARNISHES.
Claims use since Dec. 7, 1943.

416,160. (CLASS 39. CLOTHING.) HUT NECKWEAR CO. INC., New York, N. Y. Filed Aug. 11, 1944. Serial No. 473,186.

Knot Planned PATTERNS

FOR NECKTIES AND CRAVATS.
Claims use since May 15, 1944.

416,161. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS MAYNARD HOYLE, Washington, D. C. Filed Aug. 12, 1944. Serial No. 473,217.

"According to HOYLE"

FOR COOKIES, CANDY, SANDWICHES, COOKED POULTRY, EGGS, AND MEAT, CHICKEN, AND FISH SALADS SOLD IN BULK.
Claims use since July 13, 1944.

416,162. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. M. COREY, Yuma, Ariz. Filed Aug. 28, 1944. Serial No. 473,659.

COREY

FOR FRESH VEGETABLES AND MELONS.
Claims use since Mar. 3, 1944.

416,163. (CLASS 12. CONSTRUCTION MATERIALS.) WALTER E. CLARK & SON, Orange, Conn. Filed Sept. 8, 1944. Serial No. 473,978.

TREEKOTE

FOR PRUNING AND GRAFTING COMPOUNDS.
Claims use since July 15, 1939.

416,164. (CLASS 39. CLOTHING.) D. BYFORD AND CO. LIMITED, Leicester, England. Filed Oct. 5, 1944. Serial No. 474,949.

TIDILEG

FOR STOCKINGS AND SOCKS.
Claims use since Nov. 1, 1930.

416,165. (CLASS 39. CLOTHING.) THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed Nov. 10, 1944. Serial No. 476,346.

The Chesterton

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 1, 1944.

416,166. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) TOOL CRAFT COMPANY, New York, N. Y., assignor to John J. Becker, New York, N. Y., doing business as Tool Craft Company. Filed Nov. 11, 1944. Serial No. 476,379.

TOOL CRAFT

FOR GROUND STEEL STOCK, PUNCH PLATES, STRIPPER PLATES AND DIE BLOCKS, READY FOR MACHINING TO PRODUCE THE FINAL DIE OR GAUGE OR TEMPLATE OR PARALLELS OR CUTTING TOOLS AS THE CASE MAY BE.
Claims use since Nov. 26, 1940.

416,167. (CLASS 39. CLOTHING.) MATLIN CLOAK & SUIT CO., INC., New York, N. Y. Filed Nov. 15, 1944. Serial No. 476,473.

Matlin

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since Oct. 30, 1935.

416,168. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CEDARBERG MANUFACTURING COMPANY, Minneapolis, Minn. Filed Nov. 18, 1944. Serial No. 476,597.

CEDARBERG MFG. CO.

FOR PORTABLE LIQUID-FUEL-BURNING FURNACES FOR ARTISANS' USES AND FOR HEATING PURPOSES OF GENERAL UTILITY.
Claims use since June 15, 1944.

416,169. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PAUL E. PORTNER, Marietta, Pa. Filed Nov. 20, 1944. Serial No. 476,696. The drawing is lined for red and green.

PINE AROMA

FOR DETERGENT FOR HOUSEHOLD AND LIKE USES, HAVING ALSO DISINFECTANT AND DEODORIZING PROPERTIES.
Claims use since Mar. 1, 1941.

416,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOODWIN PRESERVING CO., INCORPORATED, Louisville, Ky. Filed Nov. 28, 1944. Serial No. 476,965.

TEWFRUIT

FOR FRUIT BUTTER.
Claims use since June 13, 1944.

416,171. (CLASS 39. CLOTHING.) R. H. WHITE COMPANY, Boston, Mass. Filed Dec. 14, 1944. Serial No. 477,591.

Navy Boy

FOR BOYS' SUITS, BOYS' HATS AND CAPS, BLOUSES, COATS, TROUSERS, OVERCOATS, UNDERSHIRTS, UNDERDRAWERS, AND UNION SUITS OF KNITTED AND TEXTILE FABRICS, AND COLLARS AND NECKTIES.
Claims use since February 1922.

416,172. (CLASS 12. CONSTRUCTION MATERIALS.) LINCOLN A. JAGERSON, doing business as L. A. Jagerson Co., Long Beach, Calif. Filed Jan. 22, 1945. Serial No. 478,876.

JAGERMIX

FOR PLASTIC COMPOSITION FOR USE AS A TILE FILLER AND FOR VARIOUS OTHER PURPOSES, SUCH AS PORCELAIN PATCHING AND REPAIRING CEMENT PATCHING AND MAGNESITE COMPOSITION PATCHING.
Claims use since Jan. 10, 1942.

416,173. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) REEVES BROTHERS, INC., New York, N. Y. Filed Jan. 25, 1945. Serial No. 479,015.

REEVES
MOUNTAIN CLOTH

FOR COTTON PIECE GOODS.
Claims use since June 13, 1944.

416,174. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHESTER MANUFACTURING COMPANY, Lisbon, Ohio. Filed Mar. 5, 1945. Serial No. 480,502.

CHESTER

FOR HAND OPERATED CHAIN HOISTS AND HAND OPERATED TROLLEYS.
Claims use since June 1, 1941.

416,175. (CLASS 39. CLOTHING.) MCMANUS & RILEY, INC., Albany, N. Y. Filed Mar. 23, 1945. Serial No. 481,233.

Ridley Hall

FOR MEN'S CLOTHING—NAMELY, COATS, VESTS, TROUSERS, SUITS, AND OUTER COATS.
Claims use since March 1940.

416,176. (CLASS 39. CLOTHING.) JESSEL & DI IUGLIO, New York, N. Y. Filed Apr. 4, 1945. Serial No. 481,708.

MacAuley

FOR MEN'S AND BOYS' DRESS SHIRTS, NEGLIGEE SHIRTS, AND SPORT SHIRTS.
Claims use since Jan. 15, 1944.

416,177. (CLASS 39. CLOTHING.) MARTINI FROCKS, New York, N. Y. Filed Apr. 18, 1945. Serial No. 482,294.



Diminutive

FOR WOMEN'S AND MISSES' EVENING GOWNS AND DRESSES AND SUITS FOR ORDINARY STREET WEAR.
Claims use since Jan. 2, 1942.

416,178. (CLASS 39. CLOTHING.) SOL TAMNY, doing business as Sol Tamny Co., New York, N. Y. Filed Apr. 20, 1945. Serial No. 482,404.

DUFFIELD

FOR MEN'S AND BOYS' COATS, SUITS, JACKETS, TOPCOATS, OVERCOATS.
Claims use since Aug. 3, 1942.

416,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEIBOWITZ PICKLE PRODUCTS, Brooklyn, N. Y. Filed Apr. 28, 1945. Serial No. 482,750.

Leibo

FOR CHOW CHOW, DILL PICKLES, VINEGAR PICKLES, CUCUMBER PICKLES, MIXED PICKLES, PEPPERS, SWEET GHERKINS, SOUR GHERKINS, SWEET ONIONS, SOUR ONIONS, PICKLED CABBAGE, SWEET RELISH, SOUR MIX, THE PRINCIPAL INGREDIENTS OF WHICH ARE PICKLES, CAULIFLOWER, ONIONS, PEPPERS, TOMATOES, AND VINEGAR, AND DILL CHIPS.
Claims use since Sept. 25, 1942.

416,180. (CLASS 39. CLOTHING.) THE WILLOW SHIRT AND UNDERWEAR CORPORATION, New Haven, Conn. Filed Apr. 28, 1945. Serial No. 482,773.

HUGNECK

FOR MEN'S AND BOYS' DRESS SHIRTS.
Claims use since July 15, 1943.

416,181. (CLASS 39. CLOTHING). MANHATTAN UNDERGARMENT CO., INC., New York, N. Y. Filed Mar. 7, 1945. Serial No. 483,163.

newform
CANTRIDE

FOR WOMEN'S AND MISSES' UNDERGARMENTS CONSISTING OF SLIPS MADE OF COTTON, RAYON, OR SILK.
Claims use since Mar. 1, 1943.

416,182. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN JUNIOR AIRCRAFT COMPANY, Portland, Oreg. Filed June 1, 1945. Serial No. 484,042.

Whip-Power

FOR TOY AIRPLANES AND CONTROLS THEREFOR.
Claims use since Jan. 26, 1943.

416,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. J. MATULICH, doing business as T. J. Matulich Co., Watsonville, Calif. Filed June 4, 1945. Serial No. 484,139.



FOR FRESH VEGETABLES.
Claims use since March 1941.

TRADE-MARK REGISTRATIONS RENEWED

45,172. **SSS.** REMEDY FOR THE CURE OF ALL BLOOD AND SKIN DISEASES, AND FOR PURIFYING THE BLOOD. Registered Aug. 8, 1905. THE SWIFT SPECIFIC CO. Re-renewed Aug. 8, 1945, to S. S. S. Co., Atlanta, Ga., a corporation of Georgia, by change of name. Class 6.

45,493. **PRIDE OF DENVER.** WHEAT-FLOUR. Registered Aug. 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY. Re-renewed Aug. 22, 1945, to The Colorado Milling & Elevator Company. Denver, Colo., a corporation of Colorado, assignee. Class 46.

45,561. **PRIDE OF COLORADO.** WHEAT-FLOUR. Registered Aug. 22, 1905. CRESCENT MILL & ELEVATOR COMPANY. Re-renewed Aug. 22, 1945, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee. Class 46.

45,880. **BRYANT.** SOCKETS AND RECEPTACLES FOR ELECTRIC LAMPS AND PLUGS, ELECTRIC PLUGS THEREFOR, ROSETTES FOR ELECTRIC WIRING, AND CUT-OUTS AND FUSES FOR ELECTRIC WIRING, AND SNAP-SWITCHES AND SMALL KNIFE-SWITCHES FOR ELECTRIC WIRING. Registered Aug. 29, 1905. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn., a corporation of Connecticut. Re-renewed Aug. 29, 1945. Class 21.

46,057. **"ATLAS" AND DESIGN.** PORTLAND CEMENT. Registered Sept. 5, 1905. THE ATLAS PORTLAND CEMENT COMPANY. Re-renewed Sept. 5, 1945, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana, assignee by mesne assignments. Class 12.

46,058. **ATLAS.** PORTLAND CEMENT. Registered Sept. 5, 1905. THE ATLAS PORTLAND CEMENT COMPANY. Re-renewed Sept. 5, 1945, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana, assignee by mesne assignments. Class 12.

46,136. **THE NEW ENGLAND HOMESTEAD.** PERIODICALS. Registered Sept. 5, 1905. ORANGE JUDD COMPANY, New York, N. Y. Re-renewed Sept. 5, 1945, to New England Homestead Company, Springfield, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 38.

46,392. **"SUCCESS" AND DRAWING.** BAKING-SODA. Registered Sept. 19, 1905. MOREHOUSE MFG. CO. Re-renewed Sept. 19, 1945, to Morehouse Manufacturing Company, Savannah, Ga., a corporation of Georgia, successor. Class 6.

46,530. **THE BROADWAY.** RUBBER VEHICLE-TIRES. Registered Sept. 26, 1905. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Sept. 26, 1945. Class 35.

46,531. **SPEEDWAY.** RUBBER VEHICLE-TIRES. Registered Sept. 26, 1905. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Sept. 26, 1945. Class 35.

46,532. **RELIANCE.** RUBBER VEHICLE-TIRES. Registered Sept. 26, 1905. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Sept. 26, 1945. Class 35.

46,533. **WING.** RUBBER VEHICLE-TIRES. Registered Sept. 26, 1905. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Sept. 26, 1945. Class 35.

47,007. **MARWYN.** GLOVES. Registered Oct. 17, 1905. FREDERICK LOESER & CO., New York, N. Y. Re-renewed Oct. 17, 1945, to Frederick Loeser & Co., Inc., Brooklyn, N. Y., a corporation of New York, successor. Class 39.

47,021. **"THREE IN ONE" AND DESIGN.** OIL ADAPTED FOR USE AS A LUBRICATOR, A POLISHER, A PRESERVER, OR A CLEANER FOR METAL, WOOD OR LEATHER, AND FOR NUMEROUS OTHER USES. Registered Oct. 17, 1905. G. W. COLE COMPANY, Rahway, N. J. and New York, N. Y. Re-renewed Oct. 17, 1945, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 15.

47,043. **IRON THREAD.** KNIT HOSIERY AND UNDERWEAR. Registered Oct. 24, 1905. M. & C. MAYER. Re-renewed Oct. 24, 1945, to Elting Brothers, New York, N. Y., a firm, successor. Class 39.

47,045. **"OLD RELIABLE WHEELING STOGIES" ETC. AND DESIGN.** CIGARS AND STOGIES. Registered Oct. 24, 1905. M. MARSH & SON, Wheeling, W. Va., a corporation of West Virginia. Re-renewed Oct. 24, 1945. Class 17.

47,085. **PEARL.** WRITING-PAPER AND ENVELOPES. Registered Oct. 24, 1905. SOUTHWORTH COMPANY, Mittineague, Mass. Re-renewed Oct. 24, 1945, to Southworth Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

47,153. **REPRESENTATION OF A PANEL; UPPER HALF OF RED AND LOWER HALF OF WHITE.** CONDENSED SOUPS. Registered Oct. 31, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Oct. 31, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey, assignee. Class 46.

47,154. **"CAMPBELL'S" AND DESIGN.** BAKED BEANS. Registered Oct. 31, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Oct. 31, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey, assignee. Class 46.

47,155. **"CAMPBELL'S" AND DESIGN.** MINCE-MEAT. Registered Oct. 31, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Oct. 31, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey, assignee. Class 46.

47,275. **"CAMPBELL'S" AND DESIGN.** CHILLI SAUCE, TABASCO SAUCE, AND SALAD-DRESSING. Registered Oct. 31, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Oct. 31, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey, assignee. Class 46.

47,276. **"CAMPBELL'S" AND DESIGN.** TABASCO CATCHUP AND TOMATO CATCHUP. Registered Oct. 31, 1905. JOSEPH CAMPBELL COMPANY. Re-renewed Oct. 31, 1945, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey, assignee. Class 46.

47,313. **REPRESENTATION OF CORN-POPPER FILLED WITH POPCORN.** POPCORN. Registered Oct. 31, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 31, 1945. Class 46.

47,339. **DUSTEEN.** FLOOR-DRESSING. Registered Oct. 31, 1905. SIMON S. SELIG, JR. Re-renewed Oct. 31, 1945, to The Selig Company, Atlanta, Ga., a corporation of Georgia, assignee. Classes 4 and 16.

47,341. **SANTA CLAUS.** POPCORN. Registered Oct. 31, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 31, 1945. Class 46.

47,342. **REPRESENTATION OF SANTA CLAUS.** POPCORN. Registered Oct. 31, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 31, 1945. Class 46.

47,343. **YANKEE.** POPCORN. Registered Oct. 31, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 31, 1945. Class 46.

47,375. **"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN".** AXES. Registered Oct. 31, 1905. SIMMONS HARDWARE CO. Re-renewed Oct. 31, 1945, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri, assignee. Class 23.

47,414. **REPRESENTATION OF RISING SUN.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEED, CLOVER-SEED, HEMP-SEED, CANARY-SEED, AND RAPE-SEED. Registered Nov. 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 7, 1945. Class 1.

47,415. **REPRESENTATION OF A QUEEN.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEEDS, CLOVER-SEED, HEMP-SEED, CANARY-SEED, AND RAPE-SEED. Registered Nov. 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 7, 1945. Class 1.

47,416. **REPRESENTATION OF A JACK, AS USED UPON PLAYING-CARDS.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEEDS, CLOVER-SEED, HEMP-SEED, CANARY-SEED, AND RAPE-SEED. Registered Nov. 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 7, 1945. Class 1.

47,417. **JACK.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEEDS, CLOVER-SEED, HEMP-SEED, CANARY-SEED, AND RAPE-SEED. Registered Nov. 7, 1905. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 7, 1945. Class 1.

47,443. **NATIONAL BANK.** WRITING-PAPER. Registered Nov. 7, 1905. WILLIAM G. WILLMANN. Re-renewed Nov. 7, 1945, to Wm. G. Willmann Paper Co. Inc., New York, N. Y., a corporation of New York, successor. Class 37.

47,448. **"ZENITH" AND DRAWING.** CARBONATING-POWDER. Registered Nov. 7, 1905. CHURCH & DWIGHT COMPANY. Re-renewed Nov. 7, 1945, to Church & Dwight Co. Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

47,458. **LLOYD'S LEONTIN.** PHARMACEUTICAL PREPARATION MANUFACTURED FROM THE ROOT OF CAULOPHYLLUM THALICTROIDES AND IS USED AS AN EMMENAGOGUE. Registered Nov. 7, 1905. LLOYD BROS., Cincinnati, Ohio. Re-renewed Nov. 7, 1945, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

47,467. **CLOVERINE.** SALVES FOR TREATMENT OF THE SKIN. Registered Nov. 7, 1905. GEORGE C. WILSON. Re-renewed Nov. 7, 1945, to The Wilson Chemical Company, Tyrone, Pa., a corporation of Delaware, assignee. Class 6.

47,493. **GOLDEN HARVEST.** CANNED CORN, CANNED SUCCOTASH, CANNED BAKED BEANS, CANNED STRING-BEANS, CANNED LIMA BEANS, CANNED BEETS, AND CANNED OTHER TUBEROUS-ROOTED VEGETABLES. Registered Nov. 7, 1905. PORTLAND PACKING COMPANY. Re-renewed Nov. 7, 1945, to Portland Packing Co., Portland, Maine, a corporation of Maine, assignee. Class 46.

47,494. **PINE TREE.** CANNED CORN, CANNED SUCCOTASH, CANNED BAKED BEANS, CANNED STRING-BEANS, CANNED LIMA BEANS, CANNED BEETS, AND CANNED OTHER TUBEROUS-ROOTED VEGETABLES. Registered Nov. 7, 1905. PORTLAND PACKING COMPANY. Re-renewed Nov. 7, 1945, to Portland Packing Co., Portland, Maine, a corporation of Maine, assignee. Class 46.

47,495. **RED TOP.** CANNED CORN, CANNED SUCCOTASH, CANNED BAKED BEANS, CANNED STRING-BEANS, CANNED LIMA BEANS, CANNED BEETS, AND CANNED OTHER TUBEROUS-ROOTED VEGETABLES. Registered Nov. 7, 1905. PORTLAND PACKING COMPANY. Re-renewed Nov. 7, 1945, to Portland Packing Co., Portland, Maine, a corporation of Maine, assignee. Class 46.

47,549. **"MAH'MAL" AND DRAWING.** CIGARETTES. Registered Nov. 7, 1905. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Re-renewed Nov. 7, 1945. Class 17.

47,550. **REPRESENTATION OF FOUR CARYATIDS, ETC.** PLAYING CARDS. Registered Nov. 7, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Nov. 7, 1945, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 22.

47,551. **REPRESENTATION OF A LION RAMPANT ON THE LETTER "T".** TABLE SILVERWARE. Registered Nov. 7, 1905. TOWLE MANUFACTURING COMPANY, Newburyport, Mass., a corporation of Massachusetts. Re-renewed Nov. 7, 1945. Class 28.

47,642. **REPRESENTATION OF A BOY PAINTER.** VARNISHES. Registered Nov. 14, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 14, 1945. Class 16.

47,685. **JESSICA.** CORSETS. Registered Nov. 14, 1905. STRAWBRIDGE & CLOTHIER. Re-renewed Nov. 14, 1945, to Strawbridge & Clothier, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 39.

47,704. **"EL BLASON" AND DRAWING.** CIGARS. Registered Nov. 14, 1905. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Re-renewed Nov. 14, 1945. Class 17.

153,721. **MALACÉINE.** PERFUMERIES, SACHET POWDERS, AND COSMETICS, SUCH AS CREAMS, PASTES, FACE POWDER, FACE PAINTS, POMADE, LIQUID AND CRYSTALLIZED NONALCOHOLIC BRILLANTINES, AND TOILET MILKS OR WASHES. Registered Mar. 28, 1922. STEINFELS FRÈRES. Renewed Mar. 28, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 6.

153,722. **MONPELAS.** PERFUMERIES, SACHET POWDERS, AND COSMETICS, SUCH AS CREAMS, PASTES, FACE POWDERS, FACE PAINTS, POMADE, LIQUID AND CRYSTALLIZED NONALCOHOLIC BRILLIANTINES, AND TOILET MILKS OR WASHES. Registered Mar. 28, 1922. STEINFELS FRÈRES. Renewed Mar. 28, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 6.

153,723. **LUYNA.** PERFUMERIES, SACHET POWDERS, AND COSMETICS, SUCH AS CREAMS, PASTES, FACE POWDER, FACE PAINTS, POMADE, LIQUID AND CRYSTALLIZED NONALCOHOLIC BRILLIANTINES, AND TOILET MILKS OR WASHES. Registered Mar. 28, 1922. STEINFELS FRÈRES. Renewed Mar. 28, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 6.

159,105. **"L" AND DRAWING.** WELDING PLATES, WELDING POWDERS, AND BRAZING AND TEMPERING POWDERS. Registered Sept. 19, 1922. SOCIÉTÉ DES PLAQUES ET POUDRES A SOUDER J. LAFFITTE. Renewed Sept. 19, 1942, to Société des Plaques et Poudres à Souder (Société Anonyme), Paris, France, a corporation of the French State, successor. Class 6.

160,300. **MALACÉINE.** SOAPS. Registered Oct. 17, 1922. STEINFELS FRÈRES. Renewed Oct. 17, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 4.

160,301. **MONPELAS.** SOAPS. Registered Oct. 17, 1922. STEINFELS FRÈRES. Renewed Oct. 17, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 4.

160,302. **LUYNA.** SOAPS. Registered Oct. 17, 1922. STEINFELS FRÈRES. Renewed Oct. 17, 1942, to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, a firm, successor. Class 4.

188,548. **ASPASTIN.** ANTISPASMODICS. Registered Aug. 26, 1924. SCHWEIZ. SERUM- & IMPFINSTITUT BERN, Berne, Switzerland, a corporation of Switzerland. Renewed Aug. 26, 1944. Class 6.

193,628. **"BOB EVANS ETC." AND DESIGN.** DRESSES AND NURSES' AND MAIDS' UNIFORMS. Registered Jan. 6, 1925. JACOBS BROTHERS. Renewed Jan. 6, 1945, to Jacobs Bros. Inc., Baltimore, Md., a corporation of Maryland, assignee. Class 39.

198,799. **DEODO.** DEODORIZING TOILET PREPARATION. Registered May 26, 1925. H. K. MULFORD COMPANY. Renewed May 26, 1945, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee. Class 6.

198,810. **"ELMO" AND DESIGN.** ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING OILS, ROUGES, EYEBROW AND EYELASH GROWERS, EYEDROPS, FACE BLEACHES, FACE PACKS, HAIR SALVES, HAND LOTIONS, HAIR ELIXIRS, LUXURY BATH SALTS, LIP STICKS, OBESITY CREAMS, OBESITY ASTRINGENTS, RUSMAS, REFRESHING CREAMS, ROSE TINTS, SKIN LOTIONS, SHAMPOOS, FACE POWDERS, TOILET WATERS, TALCUM POWDERS, AND WITCH-HAZEL SALVES. Registered May 26, 1925. ELMO, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 26, 1945. Class 6.

198,912. **NERVARSEN.** CAUTERIZING PREPARATION FOR USE BY DENTISTS. Registered May 26, 1925. SCHWEIZ. SERUM- & IMPFINSTITUT BERN, Berne, Switzerland, a corporation of Switzerland. Renewed May 26, 1945. Class 6.

199,544. **KLENZINE.** HYDROCARBON DRY CLEANER AND SPOT REMOVER FOR TEXTILE AND OTHER GOODS. Registered June 9, 1925. CUSACK M. RILEY, doing business as Lake Manufacturing Company. Renewed June 9, 1945, to Cusack M. Riley, Minneapolis, Minn. Class 4.

199,644. **WILLIAMS OIL-O-MATIC HEATING.** LIQUID-FUEL-BURNING DEVICES. Registered June 16, 1925. C. U. WILLIAMS & SON. Renewed June 16, 1945, to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois, assignee by mesne assignments. Class 34.

200,009. **"GENERAL" ETC. AND DESIGN.** AUTOMOBILE STORAGE BATTERIES AND RADIO STORAGE BATTERIES. Registered June 23, 1925. GENERAL STORAGE BATTERY CO., St. Louis, Mo. Renewed June 23, 1945, to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, assignee. Class 21.

200,104. **VESLESS.** SUITS AND COATS FOR MEN AND BOYS. Registered June 23, 1925. SAMPECK CLOTHES, INC., New York, N. Y. Renewed June 23, 1945, to Kaufmann Department Stores, Inc., Pittsburgh, Pa., a corporation of New York, assignee. Class 39.

200,274. **SUTHO.** SKIN LOTION. Registered June 30, 1925. SUTHO CO., Indianapolis, Ind., a firm. Renewed June 30, 1945. Class 6.

200,442. **PALMOL HANDROPS.** HAND LOTION. Registered June 30, 1925. MORTIMER W. SARGEANT. Renewed June 30, 1945, to Sargeant Acnoid Pharmaceutical Co., Inc., East Orange, N. J., a corporation of New Jersey, assignee. Class 6.

200,719. **NO RUSTOL.** LUBRICATING OILS. Registered July 7, 1925. TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Renewed July 7, 1945, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 15.

201,284. **MONAMOTOR.** LUBRICATING OILS AND GREASES. Registered July 21, 1925. MONARCH MANUFACTURING COMPANY, Council Bluffs, Iowa. Renewed July 21, 1945, to Bareco Oil Company, Tulsa, Okla., a corporation of Delaware, assignee. Class 15.

201,340. **9500 WHISK.** RUBBER ERASERS. Registered July 21, 1925. WELDON ROBERTS RUBBER COMPANY, Newark, N. J., a corporation of New Jersey. Renewed July 21, 1945. Class 37.

201,523. **"KING COLE" AND DRAWING.** CANNED PEAS, CANNED LIMA BEANS, CANNED TOMATOES, CANNED CORN, CANNED SWEET POTATOES, AND CANNED ASPARAGUS. Registered July 28, 1925. H. C. DRAPER, doing business as Draper Canning Company. Renewed July 28, 1945, to The Draper Canning Company, Milton, Del., a corporation of Delaware, successor. Class 46.

201,643. **ELECTRIC.** TOOL STEEL. Registered Aug. 4, 1925. HELLER BROTHERS COMPANY, Newark, N. J., a corporation of New Jersey. Renewed Aug. 4, 1945. Class 14.

201,939. **BALAPAC.** WOOLEN FABRICS. Registered Aug. 11, 1925. SAMPECK CLOTHES INC., New York, N. Y. Renewed Aug. 11, 1945, to Kaufmann Department Stores, Inc., Pittsburgh, Pa., a corporation of New York, assignee. Class 42.

201,962. **DUNLOP MILLS.** WHEAT FLOUR, FEEDS FOR LIVE STOCK, MIDDLINGS, FEEDS FOR POULTRY, CORN, BARLEY, AND ALFALFA. Registered Aug. 11, 1925. WARNER MOORE & Co., doing business as Dunlop Mills, Richmond, Va. Renewed Aug. 11, 1945, to Charles Banks Stout, doing business as Dixie-Portland Flour Mills, Memphis, Tenn., assignee. Class 46.

202,126. **DOUCETTE DOO-SET.** COMPACTS, LIPSTICKS, ROUGE, EYEBROW PENCILS, CAMPHOR ICE, FACE POWDER, TALCUM POWDER, FACE CREAM, PERFUMES, TOILET WATER, AND HAIR COLORING. Registered Aug. 18, 1925. F. A. SCHWANNECKE, INC., assignor to Frederick A. Schwannecke. Renewed Aug. 18, 1945, to Heather Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

202,190. **KISSPROOF.** LIPSTICKS, POWDER, AND ROUGE. Registered Aug. 18, 1925. DELICA LABORATORIES, INC., Chicago, Ill. Renewed Aug. 18, 1945, to Affiliated Products, Inc., New York, N. Y., a corporation of Illinois, assignee by mesne assignments. Class 6.

202,309. **EMBLEM.** BOND AND LEDGER PAPERS. Registered Aug. 18, 1925. LEE PAPER COMPANY, Vicksburg, Mich., a corporation of Michigan. Renewed Aug. 18, 1945. Class 37.

202,449. **MIDAS.** COFFEE. Registered Aug. 25, 1925. THE LOGAN BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed Aug. 25, 1945. Class 46.

202,461. **FORTY FATHOM.** HADDOCK FILLETS, TOASTED FILLETS, FULTON FILLETS, COD FILLETS, SOLE FILLETS, FINNAN HADDIE, SALT CODFISH, SALT HADDOCK, FISH FLAKES, TOASTED FISH FLAKES, IN BULK, WRAPPED, CANNED AND PUT UP IN GLASS JARS; CANNED CLAM CHOWDER, AND FRESH AND CANNED CLAMS. Registered Aug. 25, 1925. BAY STATE FISHING COMPANY, Boston, Mass. Renewed Aug. 25, 1945, to 40-Fathom Fish, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 46.

202,544. **"BLUE BONNET" AND DRAWING.** CHAMBRAY, GINGHAM, HANDKERCHIEFS, RIBBONS IN THE PIECE, LACES, EMBROIDERIES IN THE PIECE, HAIR NETS, LINENS, WHITE GOODS OF LINEN AND COTTON IN THE PIECE, AND BEDWEAR IN THE NATURE OF QUILTS, COUNTERPANES, SPREADS. Registered Aug. 25, 1925. HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Renewed Aug. 25, 1945, to Higginbotham-Bailey Company, Dallas, Tex., a corporation of Texas, by change of name. Classes 42 and 39.

202,752. **LANSDOWNE.** MEN'S LEATHER SHOES. Registered Sept. 1, 1925. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1945. Class 39.

202,970. **BEDTIME GAME.** GAMES, AND IN PARTICULAR A BOARD GAME FOR CHILDREN, PLAYED WITH MOVABLE PIECES. Registered Sept. 8, 1925. PARKER BROTHERS, Portland, Maine and Salem, Mass. Renewed Sept. 8, 1945, to Parker Brothers, Incorporated, Salem, Mass., a corporation of Maine. Class 22.

203,040. **JAUNTY.** SILK CRÊPE IN THE PIECE. Registered Sept. 8, 1925. GARFINKEL & RITTER. Renewed Sept. 8, 1945, to The Jaunty Fabric Corporation, New York, N. Y., a corporation of Pennsylvania, assignee. Class 42.

203,086. **Y-26.** MICA INSULATING UNITS COMPRISING LAYERS OF MICA JOINED BY A BINDER AND THEREAFTER CUT INTO DIFFERENT SHAPES, PARTICULARLY FOR USE AS INSULATION IN ELECTRIC HEATING DEVICES. Registered Sept. 8, 1925. NEW ENGLAND MICA CO., Waltham, Mass., a corporation of Massachusetts. Renewed Sept. 8, 1945. Class 21.

203,180. **MASTER BUILDERS.** COLORED CEMENT, MATERIALS USED FOR WATERPROOFING, HARDENING, FROSTPROOFING, CONTROLLING THE SET OF, AND COLORING CEMENT AND CONCRETE; AND MATERIAL FOR PATCHING STONE AND CEMENT AND CONCRETE. Registered Sept. 15, 1925. THE MASTER BUILDERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 15, 1945. Class 12.

203,229. **KLENZLUBE.** FLUSHING OILS FOR MOTORS. Registered Sept. 15, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 15, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,383. **"KENWOOD" AND DRAWING.** BATH ROBES. Registered Sept. 15, 1925. F. C. HUYCK & SONS, Albany, N. Y., a corporation of New York. Renewed Sept. 15, 1945. Class 39.

203,394. **MASTER BUILDERS.** DRY, PASTE, AND READY-MIXED PAINTS AND PAINT ENAMELS, COLORING PIGMENTS, AND PAINT OILS AND VARNISHES. Registered Sept. 15, 1925. THE MASTER BUILDERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 15, 1945. Class 16.

203,406. **"RICHFIELD" AND DRAWING.** GASOLINE. Registered Sept. 15, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 15, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,516. **REPRESENTATION OF A MESSENGER BOY.** BOOTS AND SHOES OF LEATHER, CLOTH, CANVAS, AND A COMBINATION OF THOSE MATERIALS FOR MEN AND WOMEN. Registered Sept. 22, 1925. THE STETSON SHOE COMPANY, INC., Weymouth, Mass. Renewed Sept. 22, 1945, to The Stetson Shoe Company, Incorporated, Weymouth and South Weymouth, Mass., a corporation of Massachusetts. Class 39.

203,661. **"FORLUBE" ETC. AND DESIGN.** LUBRICATING OILS. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 22, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,662. **FORLUBE.** LUBRICATING OILS. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 22, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,663. **WESLUBE.** LUBRICATING OILS. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 22, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,664. **RICHLUBE.** LUBRICATING OILS. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY. Renewed Sept. 22, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

203,752. **"KASHLAMA" AND DRAWING.** MEN'S JACKETS AND MEN'S WAISTCOATS. Registered Sept. 22, 1925. WALLACE, SCOTT & Co., LIMITED, Glasgow, Scotland, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Sept. 22, 1945. Class 39.

203,847. **"SWING" AND DRAWING.** CANNED VEGETABLES. Registered Sept. 29, 1925. SWING BROTHERS, Ridgely and Price, Md. Renewed Sept. 29, 1945, to D. Thompson Swing, Ridgely, Md., assignee. Class 46.

203,848. **"SWING BRAND" AND DRAWING.** CANNED VEGETABLES. Registered Sept. 29, 1925. SWING BROTHERS, Ridgely and Price, Md. Renewed Sept. 29, 1945, to D. Thompson Swing, Ridgely, Md., assignee. Class 46.

203,936. **"TAR HEELIA" AND DRAWING.** LADIES' AND MEN'S FULL-FASHIONED HOSIERY. Registered Sept. 29, 1925. NEBEL KNITTING COMPANY. Renewed Sept. 29, 1945, to Nebel Knitting Company, Charlotte, N. C., a corporation of North Carolina, successor. Class 39.

204,013. **"ALABAMA" AND DRAWING.** WHEAT FLOUR. Registered Oct. 6, 1925. FUHRER-FORD MILLING CO., Mount Vernon, Ind., a corporation of Indiana. Renewed Oct. 6, 1945. Class 46.

204,040. **THE EMER ZONE.** MEN'S SOFT FELT HATS, STIFF FELT HATS, AND VELOUR HATS. Registered Oct. 6, 1925. THE MURPHY-GORMAN COMPANY. Renewed Oct. 6, 1945, to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut, successor. Class 39.

204,051. **ONCE-A-WEEK.** CANDY. Registered Oct. 6, 1925. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 6, 1945. Class 46.

204,087. **PYRAMID.** BISCUITS, SUGAR WAFERS, CAKES, COOKIES, AND CRACKERS. Registered Oct. 6, 1925. BREMNER BROS., Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1945. Class 46.

204,157. **SUPRE-MACY.** MEN'S SHIRTS, INCLUDING NEGLIGEE SHIRTS, SHIRTS WITH LAUNDERED CUFFS AND COLLARS, AND DRESS SHIRTS. Registered Oct. 6, 1925. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed Oct. 6, 1945. Class 39.

204,268. **LIFE SAVERS.** MALT EXTRACT. Registered Oct. 13, 1925. LIFE SAVERS, INC. Renewed Oct. 13, 1945, to Life Savers Corporation, Port Chester, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 48.

204,304. **RAIZ—PANTANO.** PREPARATION FOR THE TREATMENT OF THE ORDINARY CURABLE AILMENTS OF THE KIDNEYS, LIVER, BLADDER, AND URINARY ORGANS DUE TO ATONIC CONDITIONS. Registered Oct. 13, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Oct. 13, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 6.

204,454. **NEMCO.** MICA INSULATING UNITS, COMPRISING LAYERS OF MICA JOINED BY A BINDER AND THEREAFTER CUT INTO DIFFERENT SHAPES, PARTICULARLY FOR USE AS INSULATION IN ELECTRIC HEATING DEVICES. Registered Oct. 20, 1925. NEW ENGLAND MICA Co., Waltham, Mass., a corporation of Massachusetts. Renewed Oct. 20, 1945. Class 21.

204,464. **MARSTIK.** GLUES AND ADHESIVE CEMENTS. Registered Oct. 20, 1925. MARSTIN ADHESIVE COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed Oct. 20, 1945. Class 5.

204,473. **SAL-CODEIA.** CERTAIN PROPRIETARY MEDICINES—NAMELY, A SYNTHETIC PREPARATION POSSESSING ANALGESIC, ANTIPYRETIC, AND ANTIRHEUMATIC QUALITIES. Registered Oct. 20, 1925. HOLLINGS-SMITH COMPANY, INC., Orangeburg, N. Y., a corporation of New Jersey. Renewed Oct. 20, 1945. Class 6.

204,497. **"DITTO JUNIOR" AND DESIGN.** DUPLICATING MACHINES. Registered Oct. 20, 1925. DITTO, INCORPORATED, Chicago, Ill., a corporation of West Virginia. Renewed Oct. 20, 1945. Class 23.

204,562. **COMPLEXO.** COLD CREAM. Registered Oct. 20, 1925. J. D. MCCANN COMPANY, Rochester, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 6.

204,582. **PENNANT.** PREPARED COCONUT. Registered Oct. 20, 1925. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Oct. 20, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.

204,583. **SUPERB.** PREPARED COCONUT. Registered Oct. 20, 1925. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Oct. 20, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.

204,630. **MARCHIONESS.** YARNS. Registered Oct. 20, 1925. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 43.

204,633. **SHUR-SITE.** STAIR TREADS. Registered Oct. 20, 1925. HENDRICK MANUFACTURING COMPANY, Carbondale, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1945. Class 12.

204,635. **ACCRO.** WATCHES, WATCH DIALS, WATCH MOVEMENTS, AND WATCHCASES. Registered Oct. 20, 1925. ACCRO BOND WATCH COMPANY, New York, N. Y., a firm. Renewed Oct. 20, 1945. Class 27.

204,713. **"JR-DEB".** GIRLS' COATS, SUITS, AND DRESSES. Registered Oct. 20, 1925. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 39.

204,714. **"JUNIOR-DEB".** GIRLS' COATS, SUITS, AND DRESSES. Registered Oct. 20, 1925. R. H. MACY & Co., INC., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1945. Class 39.

204,737. **LOUISA ALCOTT.** CHILDREN'S AND MISSES' DRESSES. Registered Oct. 27, 1925. THE SCHREIBER WALLACH COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 27, 1945. Class 39.

204,926. **YUM.** REMEDY FOR HEADACHES, NEURALGIA AND COLDS. Registered Oct. 27, 1925. YUM CHEMICAL COMPANY, INCORPORATED, Brooklyn, N. Y. Renewed Oct. 27, 1945, to Morgan-Sabalol Products, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

204,931. **AMOTAN.** LEATHER IN ITS NATURAL AND MANUFACTURED STATES, SOLE LEATHER, IN WHOLE STOCK AND CUT STOCK, AUTOMOBILE UPHOLSTERY AND TRIMMING LEATHER, FURNITURE UPHOLSTERY LEATHER, CARRIAGE-TOP, DASH AND TRIMMING LEATHER; HARNESS AND SADDLERY LEATHER, PATENT AND ENAMELED LEATHERS OF ALL KINDS, SHOE-UPPER LEATHERS, POCKET-BOOK AND NOVELTY LEATHERS, BOOKBINDERS' LEATHERS AND ROUGH LEATHERS. Registered Oct. 27, 1925. THE AMERICAN OAK LEATHER Co., Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 27, 1945. Class 1.

204,957. **FLIT.** LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE. Registered Oct. 27, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Oct. 27, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 4.

204,989. **"FLIT" AND DESIGN.** LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE AND THE LIKE. Registered Oct. 27, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Oct. 27, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 4.

204,990. **"FLIT" AND DESIGN.** LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE AND THE LIKE. Registered Oct. 27, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Oct. 27, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 4.

205,008. **LEYND.** COAL. Registered Oct. 27, 1925. C. W. HENDLEY AND COMPANY, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Oct. 27, 1945. Class 1.

205,174. **"25 OUNCES FOR 25¢ BAKING POWDER" AND DRAWING.** BAKING POWDER. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Renewed Nov. 3, 1945. Class 46.

205,175. **"K C BAKING POWDER" AND DESIGN.** BAKING POWDER. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Renewed Nov. 3, 1945. Class 46.

205,176. **"K C 25 OUNCES FOR 25¢ BAKING POWDER" AND DRAWING.** BAKING POWDER. Registered Nov. 3, 1925. JAQUES MANUFACTURING COMPANY, Chicago, Ill., a corporation of Maine. Renewed Nov. 3, 1945. Class 46.

205,178. **PARA-FLUX.** ASPHALTUM. Registered Nov. 3, 1925. CHARLES P. HALL, doing business as The C. P. Hall Co. Renewed Nov. 3, 1945, to The C. P. Hall Company, Akron, Ohio, a corporation of Ohio, assignee. Class 12.

205,198. **SATIN BOLERO.** PURE AND ARTIFICIAL SILK FABRICS IN THE PIECE. Registered Nov. 3, 1925. THE HEMINWAY SILK Co., Watertown, Conn. Renewed Nov. 3, 1945, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee. Class 42.

205,235. **THE BUCKEYE.** MONTHLY MAGAZINE. Registered Nov. 3, 1925. OHIO FEDERATION OF WOMEN'S CLUBS, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 3, 1945. Class 38.

205,266. **WAMI.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, EXTRACTS AND SIRUPS FOR MAKING THE SAME. Registered Nov. 3, 1925. WHITTLE & MUTCH, INC., Philadelphia, Pa., a corporation of Delaware. Renewed Nov. 3, 1945. Class 45.

205,317. **40.** BASEBALL BATS. Registered Nov. 3, 1925. HILLERICH & BRADSBY Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 3, 1945. Class 22.

205,318. **250.** BASEBALL BATS. Registered Nov. 3, 1925. HILLERICH & BRADSBY Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 3, 1945. Class 22.

205,319. **40 K.** BASEBALL BATS. Registered Nov. 3, 1925. HILLERICH & BRADSBY Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 3, 1945. Class 22.

205,321. **"PENROX" AND DRAWING.** LUBRICATING OIL MADE FROM PENNSYLVANIA OIL, AND GASOLINE. Registered Nov. 3, 1925. PRIME-MILLER PETROLEUM COMPANY. Renewed Nov. 3, 1945, to A. W. Lee, doing business as A. W. Lee Oil Co., Oklahoma City, Okla., successor. Class 15.

205,344. **"CASPAR" AND DRAWING.** LUBRICATING OILS, GREASES, AND COMPOUNDS. Registered Nov. 3, 1925. CASPAR LUBRICANTS, INCORPORATED, New York, N. Y., a corporation of New York. Renewed Nov. 3, 1945. Class 15.

205,429. **REPRESENTATION OF A SILVER COLORED STRAND INCORPORATED IN THE CABLE.** STRANDED SHUNT CABLES FOR BRUSHES. Registered Nov. 10, 1925. NATIONAL CARBON COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 10, 1945. Class 21.

205,500. **"DR. KILMER'S PURILLA" AND PORTRAIT.** PREPARATIONS FOR THE TREATMENT OF HEADACHE, DROWSINESS, BAD TASTE IN THE MOUTH, TORPID LIVER, CONSTIPATION, BILIOUSNESS, NAUSEA, FLATULENCE, BELCHING OF WIND, SOUR STOMACH, DISTRESS AFTER EATING, AND POOR APPETITE. Registered Nov. 10, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Nov. 10, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 6.

205,543. **GOLD STRIPE.** SHAPED HEEL INSERT MADE OF RUBBER OR OTHER SUITABLE MATERIAL AND ADAPTED TO BE PLACED IN SAID SHOE AT THE HEEL PORTION THEREOF TO PREVENT SILK STOCKINGS FROM WEARING BY COMING IN CONTACT WITH AND RUBBING AGAINST THE LEATHER OF THE SHOE. Registered Nov. 10, 1925. GOTHAM SILK HOSIERY CO. INC. Renewed Nov. 10, 1945, to Kotham Hosiery Company Inc., New York, N. Y., a corporation of Delaware, assignee. Class 39.

205,548. **"CINDERELLATAPS" AND DESIGN.** LEATHER SOLES, TAPS, AND SLIP SOLES. Registered Nov. 10, 1925. PENN LEATHER COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed Nov. 10, 1945. Class 39.

205,571. **"S. ANDRAL KILMER, M. D." AND PORTRAIT.** PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, HOARSENESS, TICKLING IN THE THROAT, SPASMODIC CROUP, CANKERED THROAT, CATARRHAL IRRITATION, TIGHTNESS ACROSS THE CHEST, IRRITATED CONDITIONS OF THE THROAT AND CHEST, DISEASES PECULIAR TO WOMEN, PILES, CATARRAH IN THE HEAD, SORENESS, CUTS, BURNS, BRUISES, BLISTERS, SCALDS, SPRAINS, SUNBURNS, DRY SCALY ECZEMA, CHEST AND LUNG SORENESS DUE TO COLDS, HEADACHE, DROWSINESS, BAD TASTE IN THE MOUTH, TORPID LIVER, CONSTIPATION, BILIOUSNESS, NAUSEA, AND OTHER CERTAIN NAMED AILMENTS. Registered Nov. 10, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Nov. 10, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 6.

205,572. **"DR. KILMER'S" AND DRAWING.** PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, HOARSENESS, TICKLING IN THE THROAT, SPASMODIC CROUP, CANKERED THROAT, CATARRHAL IRRITATION, TIGHTNESS ACROSS THE CHEST, AND IRRITATED CONDITIONS OF THROAT AND CHEST. Registered Nov. 10, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Nov. 10, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 6.

205,573. **"DR KILMER'S SWAMP ROOT" AND DESIGN.** PREPARATION FOR THE TREATMENT OF THE ORDINARY CURABLE AILMENTS OF THE KIDNEYS, LIVER, BLADDER, AND URINARY ORGANS DUE TO ATONIC CONDITIONS. Registered Nov. 10, 1925. DR. KILMER & Co., Binghamton, N. Y. Renewed Nov. 10, 1945, to Kilmer & Co., Incorporated, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 6.

205,574. **LAYERBILT.** ELECTRIC BATTERIES. Registered Nov. 10, 1925. NATIONAL CARBON COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 10, 1945. Class 21.

205,608. **"B" AND DESIGN.** CANDLESTICKS; LAMP STANDS, BASES, AND UPRIGHTS; LAMP SHADES, PENDANTS, AND PULLS; AUTOMOBILE TROUBLE-LIGHT COVERS, PORTHOLE LIGHTS, STEAM-RADIATOR-VALVE HANDLES. Registered Nov. 10, 1925. BAKELITE CORPORATION. Renewed Nov. 10, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 34.

205,630. **ELASTIC STARCH.** LAUNDRY STARCH. Registered Nov. 10, 1925. THE J. C. HUBINGER BROS. COMPANY. Renewed Nov. 10, 1945, to The Hubinger Co., Keokuk, Iowa, a corporation of Iowa, by change of name. Class 6.

205,698. **LUZONA.** WOMEN'S UNDERWEAR—TO WIT, GOWNS, CHEMISES, CORSET COVERS, COMBINATIONS, PRINCESS SLIPS, DRAWERS, AND VESTS, MADE OF TEXTILE FABRICS. Registered Nov. 17, 1925. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Nov. 17, 1945. Class 39.

205,701. **SNOWFLAKE.** DRESS SHIELDS. Registered Nov. 17, 1925. MARSHALL FIELD & COMPANY. Renewed Nov. 17, 1945, to McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois, assignee. Class 40.

205,746. **SURETY.** HOSIERY. Registered Nov. 17, 1925. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Renewed Nov. 17, 1945, to The May Department Stores Company, New York, N. Y., a corporation of New York. Class 39.

205,763. **PLAZA.** CANNED FRUITS—NAMELY, CANNED APPLES; CANNED BERRIES—NAMELY, CANNED BLACKBERRIES; CANNED VEGETABLES—NAMELY, CANNED RHUBARB. Registered Nov. 17, 1925. FASSETT & COMPANY, Tacoma, Wash., a corporation of Washington. Renewed Nov. 17, 1945. Class 46.

205,782. **"MOOSALINA" ETC. AND DRAWING.** OLIVE OIL. Registered Nov. 17, 1925. HOCHHEISER & WEISBERG INC., New York, N. Y. Renewed Nov. 17, 1945, to Moosalina Products Corp., Brooklyn, N. Y., a corporation of New York, assignee. Class 46.

205,796. **VITONE.** HAIR TONIC. Registered Nov. 17, 1925. JOSEPH CARROZZA, Philadelphia, Pa. Renewed Nov. 17, 1945. Class 6.

205,804. **HUCKLEBERRY-FINN.** NONALCOHOLIC MALTLESS COMPOUND SIRUP FOR SOFT DRINKS. Registered Nov. 17, 1925. HURTY-PECK & Co., Indianapolis, Ind., a corporation of Indiana. Renewed Nov. 17, 1945. Class 45.

205,843. **"PRINCESS PETITE PRINTZ" AND DESIGN.** LADIES' AND MISSES' OUTER APPAREL—NAMELY, COATS, CAPES, JACKETS, SUITS, ENSEMBLE COSTUMES, DRESSES, DRESS SKIRTS, AND DRESS WAISTS. Registered Nov. 17, 1925. THE PRINTZ BIEDERMAN CO., Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 17, 1945. Class 39.

205,850. **STRO-LITE.** CHAINS MADE OF IRON AND STEEL. Registered Nov. 17, 1925. THE CARROLL CHAIN COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Nov. 17, 1945. Class 13.

205,883. **"BARBARA FRITCHIE" AND DRAWING.** CHOCOLATE AND BONBONS. Registered Nov. 17, 1925. AMMON E. CRAMER, doing business as Barbara Fritchie Chocolate Shop, Frederick, Md. Renewed Nov. 17, 1945. Class 46.

205,893. **EARLY GEORGIAN.** WRITING PAPER AND MAILING ENVELOPES. Registered Nov. 17, 1925. Z. & W. M. CRANE, INC. Registered Nov. 17, 1945, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts, assignee. Class 37.

205,902. **SAXON BRISTOL.** BRISTOL BOARD. Registered Nov. 17, 1925. STRATHMORE PAPER COMPANY, Mittineague, Mass. Renewed Nov. 17, 1945, to Strathmore Paper Company, West Springfield, Mass., a corporation of Massachusetts. Class 37.

205,950. **BLOW.** CHEWING GUM. Registered Nov. 17, 1925. THE SHELBY GUM COMPANY, Shelby, Ohio, a corporation of Ohio. Renewed Nov. 17, 1945. Class 46.

REISSUES

AUGUST 28, 1945

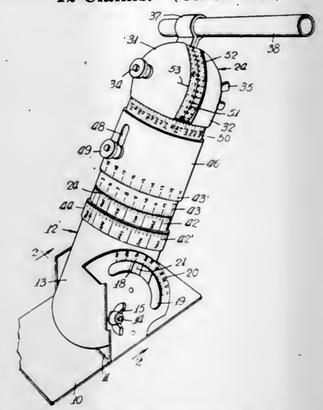
22,670

ASTRONOMICAL INSTRUMENT

John A. Millar, East Orange, N. J., assignor to Ruth G. Millar, East Orange, N. J.

Original No. 2,349,188, dated May 16, 1944, Serial No. 478,512, March 9, 1943. Application for reissue November 9, 1944, Serial No. 562,575

12 Claims. (Cl. 35—43)



1. A universal astronomical instrument comprising a base having a bracket, a generally cylindrical body having a horizontal pivot mount in said bracket for latitude adjustment in a vertical plane, the upper end of said body having a rotary dome adjustable about the axis of the body, an associated scale therebelow, said dome including a declination ring adjustable in a plane at right angles to that for adjusting the dome, said cylindrical body having a first scale thereabout, and including a rotatable sleeve having a second scale thereabout and adjoining said first scale, a collar encompassing said sleeve and having a scale thereabout complementary to that on the sleeve, said collar being affixed with respect to said sleeve for rotary displacement in unison therewith but longitudinally slidable thereon, said collar in one setting exposing the scale on the body and the associated scale on the sleeve and in the other adjustment concealing said scales, and a scale about said body complementary to the first scale and coacting in the latter adjustment with the scale on the collar.

22,671

SEPARATION OF DIOLEFINS

Rupert C. Morris and Harry de V. Finch, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original No. 2,373,329, dated April 10, 1945, Serial No. 404,064, July 25, 1941. Application for reissue May 26, 1945, Serial No. 596,090

9 Claims. (Cl. 260—329)

1. A process for recovering isoprene and piperylene from hydrocarbon mixtures containing same which comprises subjecting a peroxide-free hydrocarbon fraction predominating in olefins having five carbon atoms per molecule and containing isoprene and piperylene, to the action of sulfur dioxide at an elevated temperature in the neighborhood of 100° C. and under a superatmospheric pressure sufficient to maintain the reactants in the liquid state, recovering the resultant addition products, cooling said addition products to crystallize the isoprene sulfone present therein, separating the crystalline isoprene sulfone from the remaining liquid comprising piperylene mono-sulfone, subjecting the isoprene sulfone and the piperylene sulfone to elevated temperatures to effect their decomposition, and separating sulfur dioxide from the resultant reaction products thereby producing high yields of substantially pure isoprene and piperylene, respectively.

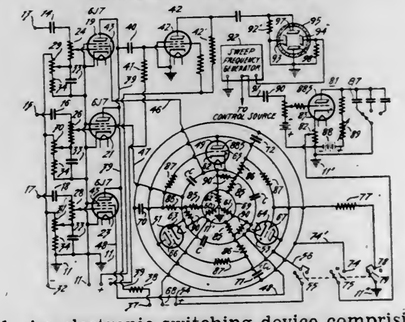
22,672

ELECTRONIC SWITCHING SYSTEM

Charles C. Shumard, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,146,862, dated February 14, 1939, Serial No. 139,214, April 27, 1937. Application for reissue June 16, 1945, Serial No. 599,800

11 Claims. (Cl. 315—24)



1. An electronic switching device comprising a network including a plurality of electron tubes each having grid, cathode and anode electrodes, a common source of anode potential for all of said tubes, circuit connections including a plurality of resistance elements connecting the cathode electrode of each tube of the network to the grid of the next succeeding tube in the sequence and the grid of the last tube of the sequence to the cathode of the first tube of the sequence, a common source of voltage for supplying cut-off biasing potentials upon the grid electrodes of all of the tubes for normally maintaining the several tubes inoperative, switching means for reducing, upon starting, the biasing voltage on one of the tubes to a value to permit the tube to draw plate current, means for subsequently rendering the several tubes in the sequence sequentially and consecutively operative following the initial operation of the first tube of the sequence, a plurality of sources of signal energy and amplifying means associated with each of the sources, a load circuit connected with the output of the amplifying means, means for normally maintaining the amplifying means inoperative and means for rendering the amplifying means sequentially and consecutively operative at time periods of operation of the sequentially operating tubes to connect thereby the amplifying means to the load circuit.

PLANT PATENTS

GRANTED AUGUST 28, 1945

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

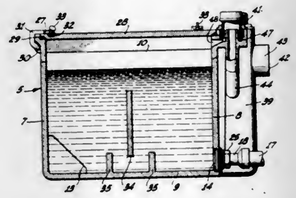
659
APPLE TREE
Albert F. Etter, Ettersburg, Calif., assignor to George C. Roeding, Jr., Niles, Calif.
Application June 23, 1944, Serial No. 541,688
1 Claim. (Cl. 47—62)

A new variety of apple tree characterized by fruit having a size comparable with the Rhode Island Greening, and a rounded shape, a polished, clear golden skin, small core, and light to yellowish flesh, substantially as herein disclosed.

PATENTS

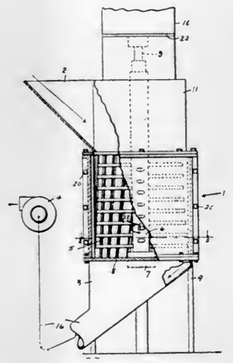
GRANTED AUGUST 28, 1945

2,383,436
GREASE TRAP
Charles Arndt, South Pasadena, Calif.
Application August 20, 1942, Serial No. 455,447
9 Claims. (Cl. 182—9)



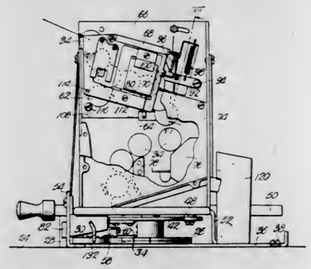
1. In a trap, a basin comprising side walls and a bottom, a partition dividing the basin longitudinally to form a pair of trap chambers communicated with one another through an opening in the partition, a baffle in each trap chamber extending between said partition and the opposed side walls respectively, and spaced from the bottom of the trap, and a dam in each trap chamber extending laterally from the partition and upwardly from the bottom of the trap, said dams being spaced from the side walls of the trap.

2,383,437
MILL
John Alexander, Santa Cruz, Calif.
Application August 30, 1943, Serial No. 500,490
3 Claims. (Cl. 241—154)



1. A mill for comminuting redwood bark comprising a stationary vertically disposed uniform diameter cylindrical shell; a shaft within said shell coaxial therewith and having a plurality of elongated arms extending radially therefrom; means supporting said shaft for rotation within said shell, means for so rotating said shaft in one direction whereby said arms will be revolved about the axis of said shaft in said one direction; a plurality of spaced ribs on said shell projecting inwardly from the inner cylindrical sides thereof and respectively extending substantially from end to end of said cylinder and similarly slanted relative to lines parallel with said axis and coincident with the inner sides of said cylinder; the said inclination of said ribs being such that they extend generally in the said direction of rotation from their upper to their lower ends, said arms being straight and free from beaters and enlargements thereon.

2,383,438
MULTIPLE COIN CONTROL MECHANISM FOR VENDING MACHINES
Boley A. Andalikiewicz, Drexel T. Carlson, and Jerome E. Hagstrom, Kansas City, Mo., assignors to C. Earl Hovey, Kansas City, Mo., as trustee
Application August 1, 1941, Serial No. 405,042
9 Claims. (Cl. 194—63)

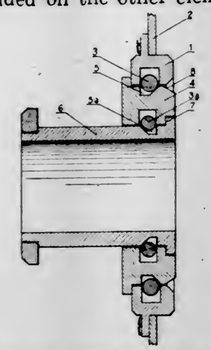


1. In a vending machine having a coin passage, a movable part for rendering available an article in the machine, and an operating plunger shiftable to and from a normal position, multiple coin controlled mechanism for interlocking the movable part and said plunger, when two coins of predetermined different diameters are introduced into the machine, said mechanism comprising a detent in said passage proportioned to arrest the passage of the smaller diametered coin; members secured to the said movable part and the said plunger respectively and provided with means for receiving the larger diameter coin from the coin passage to couple together the members; means for preventing the smaller, diametered coin from coupling together the movable part and the plunger and mechanism operable to dislodge the first mentioned coin from the detent upon manipulation of the plunger from the normal position to actuate the coupled members for rendering available an article in the vending machine.

2,383,439
CAMERA OBJECTIVE HOLDER MOUNT
Georges Baer, Paudex-Lausanne, Switzerland
Application February 26, 1944, Serial No. 524,050
In Germany May 17, 1943
10 Claims. (Cl. 88—57)

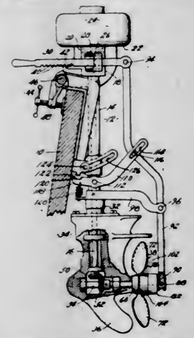
1. In a camera objective holder mount in which the objective holder tube can slide axially in the camera casing between two positions for operation and rest determined by stops, in combination, an objective holder element, a casing element, stop means determining the operating position of the holder element, at least one elastic arresting mem-

ber mounted in one of the elements and a conical surface provided on the other element, coacting



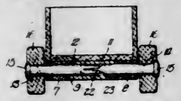
with the arresting member in such a way as to exert on the objective holder element an axial thrust tending to keep it against the stop means.

2,383,440
VARIABLE PITCH SCREW PROPELLER
George Baxter, Marion, Kans.
Application February 10, 1944, Serial No. 522,189
2 Claims. (Cl. 115—17)



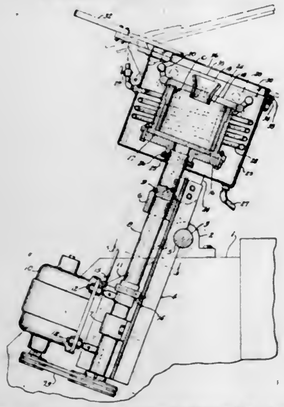
1. In a device of the character described a driven propeller shaft, a transversely split hub secured to said shaft, and having the parts thereof secured together with shims therebetween and having threaded radial holes centered between said hub parts, propeller blades having flanged threaded pivot stems operatively mounted in the threaded holes of said hub, a rubber gasket positioned under compression between the flange of each of said stems and the hub, and manually operable means to simultaneously pivot said stems whereby the pitch of said propeller blades is varied.

2,383,441
CONSTRUCTIONAL TOY
Walter C. Beile, Chicago, Ill.
Application November 20, 1944, Serial No. 564,204
4 Claims. (Cl. 46—223)



1. In a toy of the character described, the combination of a flat base provided with a first bore extending in correspondence with the plane of the same and with a second bore of relatively large diameter disposed normal to the plane of said base and intersecting said first bore, a body provided with a boss projecting downwardly from the bottom thereof and of a relatively large diameter and insertable in said second bore and said boss being provided with a transverse bore alineable with said first bore when said body is mounted on said base, an axle part provided with a head at its outer end and insertable into said first bore with its inner end foremost and into said transverse bore of said boss, a bored wheel engageable over said axle part and axially engageable with said head, and means operative to releasably secure said axle part engaged in said first bore and in said transverse bore of said boss with said wheel confined between said head and base.

2,383,442
PROCESS FOR CENTRIFUGAL CASTING
Harry E. Bremer, Milwaukee, Wis.
Application July 15, 1943, Serial No. 494,762
4 Claims. (Cl. 22—200.5)



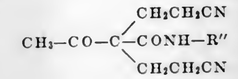
1. The process of centrifugally casting, which consists in pouring aluminum alloy in a molten state into a mold revolving at a speed fast enough to cause the metal to flow and evenly distribute on the inner surface of the sides of the mold, thereafter spraying the outside of the mold with water to quickly chill and set the outer surface of the alloy, and substantially simultaneously therewith introducing a sufficient mass of water into the mold and into direct contact with the inner surface of said alloy while still molten to form a covering bath of cooling water which moves along the inner surface of the rotating mass of molten metal, causing the same to set quickly without blow holes and causing the impurities to gather and set in a small ridge at one end of the casting thus formed leaving the remainder of the inner surface thereof smooth and free of blow holes.

2,383,443
CYANO-ALKYL ETHERS OF POLYHYDRIC ALCOHOLS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 11, 1941, Serial No. 414,597
6 Claims. (Cl. 260—464)

6. As a new compound, a poly-ω-cyano-isopropyl ether of an aliphatic alcohol having from two to six, inclusive, hydroxyl groups per molecule.

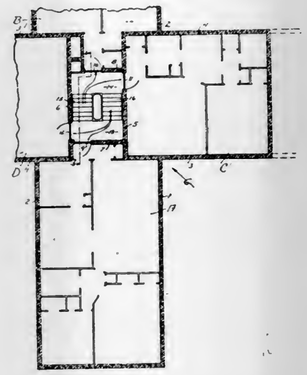
2,383,444
DICYANOETHYL ACETOACETIC ACID COMPOUNDS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,619
13 Claims. (Cl. 260—464)

1. As a new compound, a substance having the formula



wherein R'' is a member of the group consisting of alkyl and aryl radicals.

2,383,445
APARTMENT BUILDING STRUCTURE
George Howard Burrows, Shaker Heights, Ohio
Application July 3, 1944, Serial No. 543,371
1 Claim. (Cl. 20—1.1)

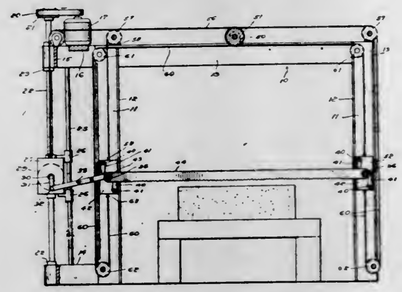


A multi-story multi-apartment building structure having a vertical walled stairway well of rectangular cross-sections at the center of the structure and comprising opposite side walls and opposite end walls; a succession of single half story alternate stairway flights at the opposite sides of the well and extending in width from one side wall to the other; a vertical succession of landings at each end of the well a full story apart; the landings at one end of the well being each a half story above the landings at the other end; each landing being common to the top of one stairway flight and to the bottom of the next successive flight; the stairway flights and the landings extending from one end wall to the other; a multi-storied tier of apartments outside each of the opposite side walls of the well and a multi-storied tier of apartments outside each of the opposite end walls; communications from each of the landings that are at one end of the well, through the end and side walls of the well, respectively, directly into two laterally adjacent apartments at the level of those landings; and communication from each of the landings that are at the other end of the well; through the end and side walls of the well, respectively, directly into the two laterally adjacent apartments at the level of those landings.

2,383,446
ANTIRACHITIC MATERIALS AND PROCESSES FOR THEIR PRODUCTION
William Stansfield Calcott, Woodstown, and James Waddell, Metuchen, N. J., and Hans Reinhard Rosenberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1941, Serial No. 396,572
5 Claims. (Cl. 204—159)

3. A provitamin D extracted from mussels of the species *Modiolus demissus* Dillwyn.

2,383,447
POWER SAW
Fred G. Carnes and Wilfred D. Carnes, Au Sable Forks, N. Y.
Application January 30, 1945, Serial No. 575,259
3 Claims. (Cl. 125—16)



1. In a power saw, in combination, a frame, including uprights having channels therein, blocks vertically slidable in said channels, axles movably secured to said blocks, a saw blade carried for reciprocating movement by said axles, power means for reciprocating said blade, said means including a drive shaft and a gear frame slidably mounted on said shaft, means for simultaneously moving said blocks to vary the vertical position of said blade, and means associated with said last-mentioned means for simultaneously varying the position of said gear frame.

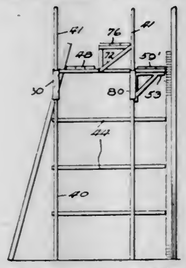
2,383,448
EAR ORNAMENT
Carl Christy, Shreveport, La.
Application April 7, 1944, Serial No. 530,003
3 Claims. (Cl. 63—14)



1. In an ear ornament, an ear attaching clasp comprising a length of wire bent upon itself at its middle to provide an elongated downwardly extending supporting loop adapted for positioning over the outer surface of an ear lobe and adapted to support a pendant finding or the like, the remaining lengths of the wire being brought together at the upper end of the loop and bent backwardly on themselves to form pressure feet adapted to press into the outer surface of a human ear lobe in a manner appearing to be embedded in the ear lobe, the remaining lengths of the wire being formed into parallel extending U shaped

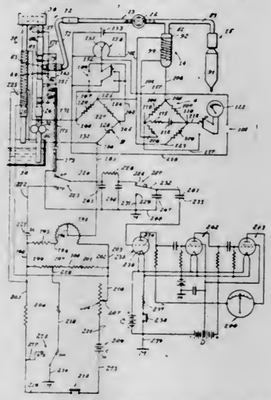
bends adapted for squeezing engagement with the human ear lobe, the tips of the wire being formed into downwardly curved hooks constituting pressure feet adapted to be pressed into the rear surface of a human ear lobe.

2,383,449
SCAFFOLD SYSTEM
Howard H. Clark, Kent, Ohio
Application June 15, 1942, Serial No. 447,113
20 Claims. (Cl. 304—2)



1. Scaffolding comprising pairs of upright holes arranged in spaced relation, the poles of each pair being spaced from each other, putlogs each supported by one of said pairs of poles, a workmen's platform supported on said putlogs at one side of said scaffold, an elevated material platform on said putlogs, and a helper's runway on said putlogs at the side of the material platform remote from the workmen's platform, the helper's platform and the workmen's platform resting directly on said putlogs while said material platform is located at a substantial height above said putlogs.

2,383,450
ELECTRODE STRUCTURE FOR pH MEASUREMENT AND CONTROL DEVICES
Edwin D. Coleman, Maywood, Ill.
Original application January 25, 1939, Serial No. 252,779. Divided and this application February 8, 1940, Serial No. 317,805
11 Claims. (Cl. 175—183)

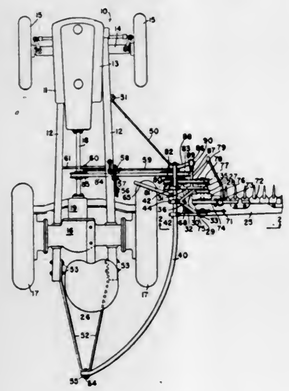


1. As an article of manufacture a glass electrode comprising a glass tube for the passage of a test liquid therethrough, spaced conducting layers on the outside of said tube for connection to a measuring instrument, a liquid junction in said tube positioned midway between said layers and guard rings on the outside of said tube spaced from opposite ends of each of said layers.

2,383,451
TREATMENT OF FRESH FRUITS AND VEGETABLES IN PREPARATION FOR MARKET
Charles De Witt Cothran, Pomona, Calif., assignor to Brogdex Company, Pomona, Calif., a corporation of California
No Drawing. Application July 4, 1942, Serial No. 449,806
20 Claims. (Cl. 99—168)

1. The process of preparing an aqueous wax emulsion suitable for use in wax-coating fresh vegetable produce, which comprises preparing a hot fluid mixture of waxy material including ouricury wax and a fatty acid, intimately commingling therewith a water solution of an alkaline agent reactive with said fatty acid, and diluting the resultant emulsion to a concentration such that it will remain fluid at ordinary temperatures.

2,383,452
MOWER
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 16, 1944, Serial No. 540,663
32 Claims. (Cl. 56—25)



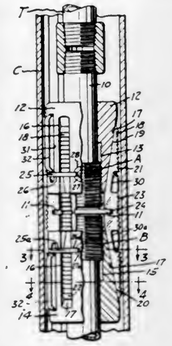
1. A mower comprising a body supported on a pair of laterally spaced wheels, a cutter bar disposed transversely at one side of said body outside the plane of one of said wheels, means for supporting said cutter bar on said body including a frame carried on said body and extending along the outer side of said one wheel longitudinally movable means mounted on said frame, constituting the sole support for said cutter bar and providing for shifting said cutter bar rearwardly around said wheel without interfering with the latter, to a position behind said body and within the plane of said wheel, and means for normally securing said cutter bar in operating position at the side of said body.

2,383,453
ANCHORING DEVICE
Charles S. Crickmer, South Pasadena, Calif.
Application June 29, 1942, Serial No. 448,938
1 Claim. (Cl. 166—1)

mandrel, a series of screw-threads formed on the

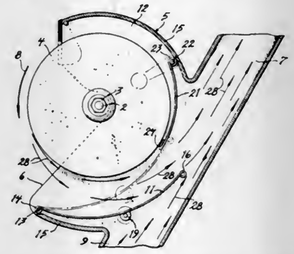
A well anchoring device including, a rotatable mandrel, a tapered expanding element threaded upon the screw-threads, a second series of screw-threads on said mandrel, a second tapered expanding element having its taper inverted with

relation to the taper of the first element threaded upon the second series of screw-threads, one series of screw-threads being oppositely disposed to the other series, whereby the elements are moved relatively toward each other when the mandrel is rotated in one direction relative to said elements and are moved relatively away from each other upon rotation of said mandrel in the opposite direction relative to the elements, locking members mounted on said elements and co-acting therewith whereby the locking members are moved radially



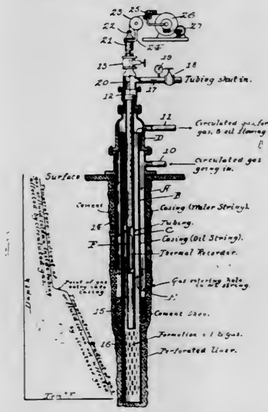
when the elements are moved with respect to each other, said members having external serrated gripping surfaces, and co-acting means on the mandrel and locking members for positively guiding said members in their radial movement and for preventing vertical movement of the members with respect to said elements and mandrel, and friction means carried by the elements for engaging a pipe through which the device is lowered to prevent rotation of said elements when the mandrel is rotated so as to permit independent rotation of said mandrel.

2,383,454
DUST EXHAUSTING DEVICE FOR SURFACING WHEELS
Henry G. Eisler, Wilmette, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application August 13, 1943, Serial No. 498,597
4 Claims. (Cl. 51—273)



1. In a device of the character described, the combination with a rotatory surfacing wheel and a dust exhausting hood spacedly shrouding the same and provided with a work opening and an exhausting outlet spaced from said work opening peripherally of said wheel and extending tangentially of said wheel in the direction of rotation thereof and provided with an air inlet spaced from said work opening peripherally of said wheel and extending tangentially of said wheel in the direction opposite the direction of rotation thereof and substantially alined with said outlet, of a damper plate within said hood and extending peripherally of said wheel between said work opening and said outlet and disposed in continuing relation with said outlet and extending beyond said inlet in the direction toward said outlet and said damper plate being curved correspondingly with the periphery of said wheel and pivotally mounted with its work opening corresponding end spaced outwardly from the periphery of said wheel and on an axis generally parallel to the axis of said wheel and spaced outwardly from the periphery thereof and disposed in the region of said work opening corresponding end for adjustment of the outlet corresponding end of said damper plate toward and away from the periphery of said wheel and out of and into obstructing relation with said inlet.

2,383,455
METHOD AND APPARATUS FOR LOCATING LEAKS IN WELLS
Henry G. Abadie, Kettleman North Dome Hills, Calif., assignor of one-half to Frederick G. Bradbury, Los Angeles, Calif.
Application November 28, 1942, Serial No. 467,239
4 Claims. (Cl. 137—77)

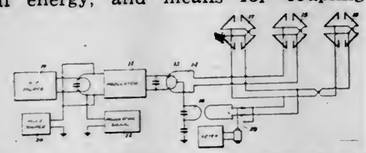


1. The method of locating a leak in a duct between outer and inner chambers within the bore of a well, comprising, injecting a comparatively large volume of gas from a controlled outside source into one of said chambers under sufficient predominant pressure so as to overcome formation pressure of fluid, establish equilibrium temperatures in said chambers, discharge through said leak and induce a temperature anomaly adjacent thereto, and measuring the temperature gradient of the well including the temperature anomaly.

2,383,456
MODULATION CIRCUIT
Andrew Alford, Cambridge, Mass., and Guy K. Patterson, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application November 15, 1943, Serial No. 510,268
12 Claims. (Cl. 250—11)

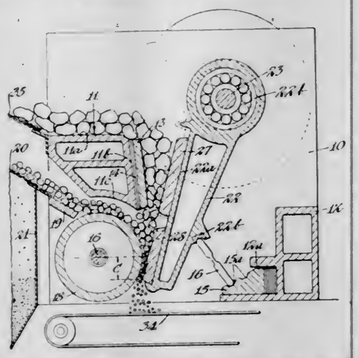
1. A modulating system for producing two output waves, one of carrier frequency plus side bands, and the other of side band frequencies only, comprising vacuum tube means having two control grids and two anodes, an input circuit coupled to said grids, a center-tapped loop out-

put circuit coupled to said anodes, a source of carrier frequency energy, means for coupling said source of carrier frequency energy to said control grids in push-pull relation, a source of signal energy, and means for coupling said



source of signal energy to one only of said control grids to modulate said carrier frequency energy to produce side bands, whereby carrier frequency and side band energy is developed in said loop output circuit, and side band energy only at said center tap.

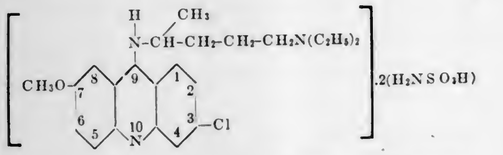
2,383,457
ROCK CRUSHER
Einar H. Anderson, Minneapolis, Minn.
Application September 12, 1941, Serial No. 410,549
6 Claims. (Cl. 241—156)



4. In a machine for crushing rock and other hard materials, a stationary crushing jaw inclined somewhat from the vertical position, a crushing roll mounted below said stationary jaw and spaced therefrom for lateral reception of material and having one side of its periphery disposed at least close to vertical alignment with the lower edge of said stationary jaw, a common reciprocating jaw opposed to both said stationary jaw and said crushing roll and mounted in converging relationship with said stationary jaw and roll, means for feeding material to be ground between the upper portions of said stationary jaw and said reciprocating jaw, means for feeding less coarse material laterally of said machine between said stationary crushing jaw and said roll, means for revolving said roll to convey said last mentioned fed material downwardly between said reciprocating jaw and the opposed surface of said roll and means for bodily reciprocating said jaw toward and away from said stationary jaw and said roll with a compound limited downward movement as said reciprocating jaw approaches said roll, said last mentioned means comprising a pitman opposed to said stationary jaw and said roll and to which said common jaw is secured, a horizontal eccentric shaft having its axis disposed in parallel relation to the axis of said roll and journalled to one end of said pitman for gyrating such end and a fulcruming toggle swingably seated behind said pitman and swingably connected with the intermediate portion of said pitman.

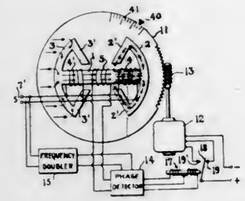
2,383,458
ANTIMALARIAL AND PROCESS FOR MAKING THE SAME
Morris Eli Auerbach, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 28, 1943, Serial No. 500,389
4 Claims. (Cl. 260—279)

1. 3-chloro-7-methoxy-9 - (δ-diethylamino - α-methylbutylamino)-acridine disulfamate having the formula



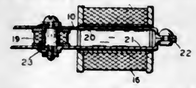
melting at approximately 151–153° C., and being readily soluble in water.

2,383,459
INDICATOR FOR MAGNETIC FIELDS
Lennox F. Beach, Longmeadow, Mass., assignor to Purves Corporation, Springfield, Mass., a corporation of Massachusetts
Application July 30, 1940, Serial No. 348,582
12 Claims. (Cl. 33—204)



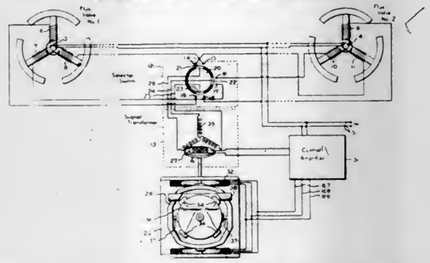
7. A self-orienting magnetic field direction indicator adapted to function as an earth inductor compass comprising an elongated inductor having an elongated core for receiving flux of a field, such as the earth's field, an alternating current source, means for magnetically exciting said core from said source comprising coil means constructed and arranged to apply to the entire sectional area of said core opposite alternating magneto-motive forces in series directed along the major axis thereof, said alternating magneto-motive forces in combination with the said field magneto-motive force at least partially saturating said core during a half cycle and thereby producing a flux wave of double the frequency of said source, said wave thereby being reversible as to phase with reversal of the direction of the field, a coil associated with said core and having its windings arranged in inductive relation to the core zones to which said opposite alternating magnetomotive forces are applied and connected together to balance out E. M. F.'s induced therein by said alternating magneto-motive forces but to add together the double frequency E. M. F. components induced therein through interaction with the earth's field, a rotatable support for said inductor, motive means for angularly positioning said support, control means for driving said motive means in a direction corresponding to the phase of said electromotive force and direction indicating means turnable with said support.

2,383,460
MAGNETIC FIELD RESPONSIVE DEVICE
John C. Purves, Springfield, Mass., and Lennox F. Beach, Merrick, N. Y., assignors to Purves Corporation, a corporation of Massachusetts
Application March 28, 1941, Serial No. 385,622
19 Claims. (Cl. 177—380)



1. A magnetic field responsive device comprising a magnetic circuit having a pair of substantially parallel elongated arms of magnetically permeable material, means for producing respective periodically varying fluxes instantaneously flowing in opposite directions in respective ones of said arms, said fluxes being of sufficient magnitude to operate said arms in varying permeability portions of their magnetic characteristics, and a pick-up coil having convolutions each wound about both of said arms whereby, in the absence of an external magnetic field, the effects of said fluxes on said coil balance out, but in the presence of said external field, a resultant alternating voltage is produced in said pick-up coil having phase sense and magnitude corresponding to the direction of said field relative to said arms.

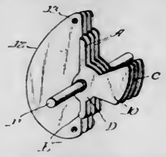
2,383,461
FLUX VALVE COMPASS SYSTEM
Orland E. Esval, Merrick, Robert S. Curry, Baldwin, Caesar F. Fragola, Brooklyn, and Lennox F. Beach, Merrick, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 10, 1941, Serial No. 414,422
19 Claims. (Cl. 33—222)



18. A compass system for dirigible craft comprising a pair of means sensitive to the earth's magnetic field and adapted to provide signal voltage outputs varying with azimuthal positions thereof, means for pendulously supporting said pair of means for independent and pendulous movement, said pair of means being positioned one in each wing of said craft, a directional gyro, means for precessing said gyro about its azimuth axis, means for combining the signal outputs from said pair of means, and means controlled by the resultant signal combination for controlling said precessing means.

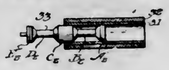
2,383,462
SPREAD BAND TUNING DEVICE
Virgil R. Beck, Elmhurst, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application October 10, 1940, Serial No. 360,670. Divided and this application September 19, 1942, Serial No. 458,951
7 Claims. (Cl. 250—40)

1. In a radio receiver for receiving signals at any frequency within a large portion of the radio frequency spectrum having a plurality of separated allocated bands in each of which there are a relatively large number of broadcast signals differing in frequency by relatively small amounts, each pair of adjacent allocated bands being separated by a relatively large contiguous so-called "dead" range of frequencies within which range there are a relatively few broadcast signals differing in frequency by relatively large amounts, the combination of a switchless tuning circuit having a fixed inductance and a variable capacitance, said capacitance having two relatively movable members, one of which is a movable tuning element continuously adjustable for varying the capacitance of said circuit to tune said circuit continuously within said portion of the spectrum to any desired frequency within said bands and so-called "dead" range, and a control element for continuously moving said tuning element through a first series of positions and



through intermediate positions to and through a second series of positions, within which first and second series of positions said circuit is tuned to desired frequencies within two of said separated allocated bands, said intermediate positions corresponding to resonant frequencies within the intervening so-called "dead" range, at least one of said relatively movable members being shaped to vary relatively rapidly the resonant frequency of said circuit within said intervening so-called "dead" range for a given rate of displacement of said tuning element through said intermediate positions and being shaped to vary the resonant frequency of said circuit within one of said two separated bands at a substantially lower rate for the same rate of displacement of said tuning element through said first series of positions and at substantially the same rate within the other of said two separated bands through said second series of positions.

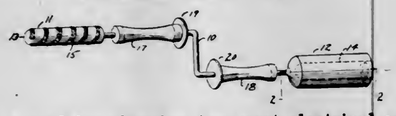
2,383,463
SPREAD BAND TUNING DEVICE
Zolmon Benin, Glen Ellyn, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application October 10, 1940, Serial No. 360,670. Divided and this application October 28, 1942, Serial No. 463,665
5 Claims. (Cl. 250—40)



1. In a radio receiver for receiving signals at any frequency within a large portion of the radio frequency spectrum having a plurality of separated allocated broadcast bands in each of which there are a relatively large number of broadcast signals differing in frequency by relatively small amounts, each pair of adjacent allocated bands being separated by a relatively large contiguous so-called "dead" range of frequencies within which range there are a relatively few broadcast signals differing in frequency by relatively large amounts, the combination of an adjustable tuning circuit including a capacitive reactance and an inductive reactance having an inductive wind-

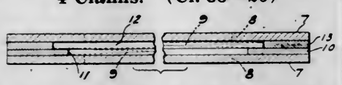
ing and a relatively movable magnetic core member and a single control element arranged to adjust said inductive reactance, said inductive reactance having separate spaced portions so constructed that upon incremental adjustment of said reactance the variation of resonant frequency of the tuning circuit is at a low substantially uniform rate within said separated allocated bands of the portion of the frequency spectrum covered by said tuning circuit corresponding to said separate spaced portions of said inductive reactance and is at a substantially higher rate within said "dead" range of frequencies of said portion of the spectrum upon the same incremental adjustment of said reactance.

2,383,464
DOUBLE PURPOSE TOOL
Clifford E. Bown, Youngstown, Ohio
Application February 24, 1944, Serial No. 523,663
6 Claims. (Cl. 51—206)



1. A tool for cleaning two part electrical connectors comprising a crank shaped body member having an abrasive plug on one end adapted to engage a socket of said connector and an abrasive socket on the other end thereof adapted to receive a prong of said connector.

2,383,465
LAMINATED SLIDE FILM MOUNT
James J. Bradford, Burbank, Calif.
Application September 1, 1944, Serial No. 552,266
4 Claims. (Cl. 88—26)



1. In a device of the kind described, a front frame lamination, a locking lamination overlying said front lamination, a spacer lamination overlying said locking lamination, and a back cover lamination overlying said spacer lamination, said front and back laminations being provided with a film projection opening, said locking lamination and spacer lamination each comprising a broad rightangularly shaped U, the outer edge portion of which alines with the outer edge portions of said front and back frame members, the inner edge portion of each said U being spaced away from said projection opening on three sides leaving the fourth side open to afford an entrance opening for inserting the film, said locking lamination being provided with an internally projecting locking lug at each side of said entrance opening.

2,383,466
MUZZLE MOUNTED BORE SIGHT
Leo H. Brown, Glenville, Conn.
Application December 20, 1943, Serial No. 514,992
12 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A bore sighting device comprising a frame member adapted to be fitted in the muzzle of a gun, cross-wires carried by said member, a cup member adapted to be fitted in the chamber of the gun and of such size as to receive said frame member, said cup having a sighting aperture through its bottom, a spring carried by one of said members and positioned to be compressed on insertion of the frame member into the cup

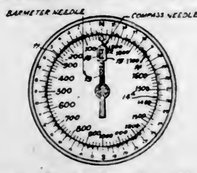


member, and a latch carried by one of said members and engageable with the other member for retaining the inserted member against the pressure of the compressed spring.

2,383,467
FLOTATION OF IRON ORES
Julius Bruce Clemmer and Ballard H. Clemmons, Tuscaloosa, Ala., assignors to the United States of America, as represented by the Secretary of the Interior
No Drawing. Application January 22, 1943, Serial No. 473,162
19 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

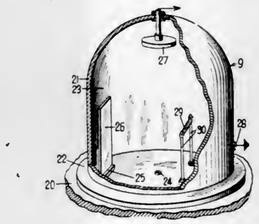
1. A process for the beneficiation of iron ores which comprises blunging an aqueous comminuted iron ore pulp in the presence of an alkali-soluble compound of an inorganic anion combined with a polyvalent metal selected from the group consisting of alkaline earth metals and heavy metals, establishing a strongly alkaline pH of at least 10 in said ore pulp and then subjecting said alkaline, activated ore pulp to agitation with aeration in the presence of an anion-active collecting agent selected from the group consisting of fatty acids, resin acids and soaps derived from such acids, and a phosphate compound selected from the group consisting of metaphosphates and polyphosphates, whereby siliceous gangue is floated and beneficiated iron ore is depressed and recovered.

2,383,468
FLIGHT LEVEL INDICATING INSTRUMENT
Basil William Henry Cocks, Middle Park, Victoria, Australia
Application September 18, 1940, Serial No. 357,200
In Australia October 13, 1939
8 Claims. (Cl. 73—178)



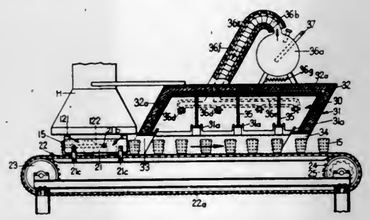
4. A directional flight level indicating instrument for use with air-craft, comprising a revolvable north-seeking element, a stationary member cooperating with said revolvable element so that the position of said revolvable element relative to said stationary element indicates the direction of flight, an independently revolvable element adapted to be operated by variations in barometric pressure and mounted for rotation on the same axis, with the first said revolvable element, said independently revolvable element being adapted to make one complete revolution over an adopted change of standard altitude, and to remain fixed relative to the first said revolvable element when the air-craft is at a predetermined correct altitude in accordance with the direction in which it is flying, all for the purposes specified.

2,383,469
METHOD OF CLEANING AND COATING GLASS, PLASTICS, AND OTHER SURFACES
William H. Colbert and Arthur R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 15, 1943, Serial No. 514,328
6 Claims. (Cl. 117—54)



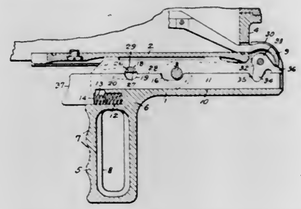
1. The method of coating a support material within a vacuum chamber, comprising the steps of subjecting the support material to a preliminary cleaning to remove foreign matter from the support material, applying a removable liquid protective covering of a high boiling liquid having a boiling range of the order of approximately 200° to 400° C. and which is non-reactive with said surface to the partially clean support surface, removing the major portion of said covering and additional foreign matter from the support surface by a rubbing operation to reduce the liquid covering to a thin film thus protecting the cleaned support material surface against contamination by foreign matter, placing the thus protected support material in a highly vacuumized chamber, removing said thin protective film by a forced evaporation within the chamber, and thereafter applying a coating by thermal evaporation to the freshly exposed cleaned surface while remaining in said vacuum chamber.

2,383,470
METHOD OF AND APPARATUS FOR CLEANING AND SURFACE-COATING GLASS AND THE LIKE
Willard L. Morgan, Columbus, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 14, 1944, Serial No. 549,402
10 Claims. (Cl. 117—6)



6. Apparatus for cleaning glass and for temporarily protecting the cleaned surfaces thereof against further contamination, comprising means for subjecting the surfaces of the glass to contact briefly with a hot flame from a burner to remove contaminants therefrom, and means for applying by condensation of vapors a removable protective liquid surface coating to the glass to prevent contamination of the clean surfaces thereof.

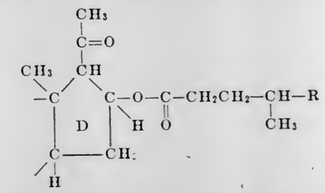
2,383,471
FIRING GRIP
Joseph M. Colby, United States Army, Lake Mills, Iowa
Application June 27, 1942, Serial No. 448,827
6 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



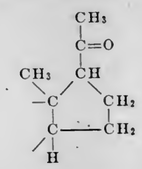
1. The combination with a machine gun having a trigger extending rearwardly therefrom, of a body detachably secured to the underside of said machine gun adjacent said trigger and formed with a pistol grip and guide ways, a spring urged trigger slide disposed in said guide ways having one end extending outwardly from said pistol grip whereby said trigger slide may be moved on said ways by a finger of the hand grasping said pistol grip and a cam member engaging said trigger and said trigger slide whereby said trigger is actuated upon movement of said trigger slide.

2,383,472
PROCESS FOR PREPARING STEROIDAL HORMONES
Harry Means Crooks, Jr., Detroit, and Eldon M. Jones, Grosse Pointe Woods, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 5, 1944, Serial No. 543,612
11 Claims. (Cl. 260—397.3)

1. The process for converting a steroid ester having at ring D the structure,

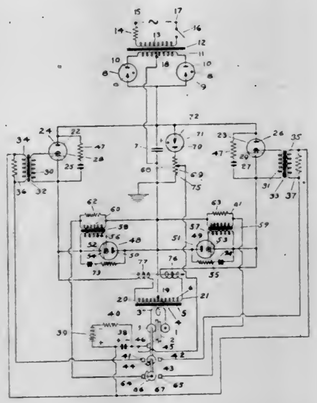


into a steroid derivative having at ring D the structure,



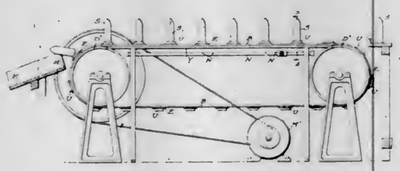
which comprises treating said ester with a metal of the class consisting of zinc, magnesium and aluminum in the presence of a compound of the class consisting of weakly alkaline and weakly acidic compounds capable of liberating nascent hydrogen from said metal, R of the formula being a radical of the class consisting of —CH_2OAcyl and —COOH.

2,383,473
WELDING SYSTEM
John W. Dawson, West Newton, and Hans Klemperer, Belmont, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 14, 1942, Serial No. 434,671
21 Claims. (Cl. 320—1)



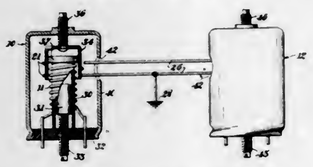
16. An electrical system including an inductance, circuits for supplying pulses of current in opposite directions and in overlapping relation through said inductance, and a pair of coupled inductances for limiting surges of current in said circuits whenever oppositely directed pulses of current in said circuits overlap.

2,383,474
APPARATUS FOR DRYING
Francis H. Denner, Dover, N. J.
Application March 13, 1942, Serial No. 434,536
1 Claim. (Cl. 34—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



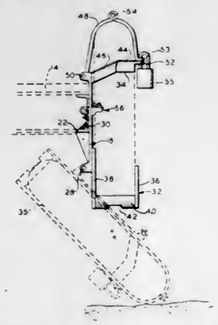
In an apparatus for drying the inside hollow portions of bodies, an endless horizontally movable conveyor belt, a support for the belt and means for driving said belt, cup-shaped holders on the belt having openings therethrough receiving the open ends of the bodies to hold them loosely and gravitationally in vertical position whereby when the bodies reach the end of their horizontal travel they will fall by gravity from the holders, a pipe extending parallel to the path of the conveyor belt and having upwardly directed spaced apertures therein, said conveyor belt having aligned holes in registry with the openings in the cup-shaped holders so that each aperture will project a jet of air directly into the open end of each body through the opening in said conveyor and holders, as the bodies successively pass the apertures.

2,383,475
TRANSFORMER
Sven H. M. Dodington, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application July 18, 1942, Serial No. 451,466
4 Claims. (Cl. 178—44)



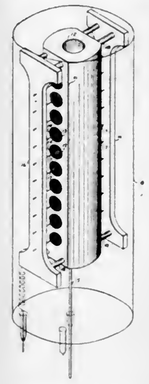
3. A coil, a hollow cylinder supporting said coil, a base supporting said hollow cylinder, a casing enclosing said coil and supported on said base, a core of paramagnetic material movable within said coil, means extending from said base for moving said core, a second cylinder coaxially surrounding said first-mentioned cylinder, a coil on said second cylinder, and means extending from the casing for moving said second cylinder relative to said first cylinder.

2,383,476
TIRE CARRIER
Marinus J. Falslev, Avon-by-the-Sea, and Stuart Sims, Red Bank, N. J.
Application September 13, 1943, Serial No. 502,186
2 Claims. (Cl. 224—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tire carrier for retaining a tire and rim in either normal or dropped positions, wherein, in normal position, a tire and tube may be substantially vertically disposed and, in dropped position, may be disposed at an angle of more than 90° and less than 180° from the normal position, comprising a substantially arcuate cradle, substantially U-shaped in cross-section, adapted to accommodate the outer surface of the bottom sector portion of a vertically disposed tire; a substantially arcuate rim support disposed above said cradle and adapted to accommodate the inner surface of the top sector portion of a vertically disposed rim; a member joining said cradle and rim support; a strap over said rim support adapted to retain a tire mounted upon a rim in position in said cradle and upon said rim support; said member, cradle, rim support and strap being pivotally mounted for rotation, as a unit, about a horizontal pivot axis; said pivot axis being disposed perpendicularly to a vertical plane through the axis of a tire mounted in said carrier and lower than such tire axis and higher than the lower peripheral edge of such a tire; latch means to releasably retain said unit against rotation from its normal position; said unit, upon release of the latch means, being rotatable about its pivot axis aforesaid, through an angle of more than 90° and less than 180°, to a dropped position, in which position the sector of a tire adjacent said rim support may rest upon the ground and the diametrically opposite sector of said tire may rest within, and be supported by, the U-shaped cradle aforesaid.

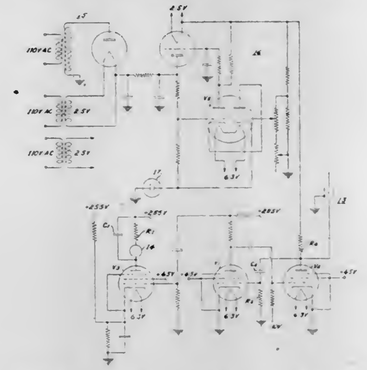
2,383,477
PARALLEL ARRANGEMENT OF GEIGER-MULLER COUNTERS
Herbert Friedman, Arlington, Va.
Application April 24, 1943, Serial No. 484,349
4 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



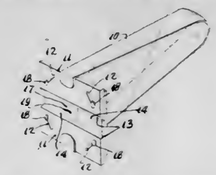
1. A radiation counter device comprising a gas-impervious envelope, a plurality of Geiger-Müller counters each comprising a cathode cylinder and an anode wire axially disposed therein and insulated therefrom, an elongated conductive member having a bore formed therein and extending lengthwise thereof, a plurality of parallel bores formed therein and extending normal to and intersecting said lengthwise bore, each of said parallel bores conductively accommodating one of said cathode cylinders, a pair of conductive members each conductively supporting the corresponding ends of each of said anode wires, means constraining said anode supporting members to lie parallel to said lengthwise bore and spaced from and in insulated relation to said cathode supporting member, said anode supporting members being so positioned and so connected to said anode wires that said anode wires lie in coaxial relation to their respective cathodes, and conductive leads extending from said anode and cathode supporting members to the exterior of said envelope.

2,383,478
RADIOGRAPHIC EXPOSURE METER
Herbert Friedman, Arlington, Va., and Arthur L. Christenson, Washington, D. C.
Application February 3, 1942, Serial No. 429,408
4 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for determining the proper exposure time for use in radiographing a specimen, comprising, a source of radiation to be used in making the radiograph, said source being positioned in the position in which it will be used for that purpose, a Geiger-Müller counter positioned at the location at which the film will be placed in making the radiograph, means comprising a multivibrator for rapidly quenching the individual counter discharges, means for amplifying and clipping the voltage pulses corresponding to the individual counter discharges to produce a series of voltage pulses of substantially uniform magnitude corresponding in frequency to the discharge frequency of the Geiger-Müller tube, means producing a current flow proportional to the frequency of said voltage pulses and means to indicate the magnitude of said current flow.



2,383,479
WIRE-STRIPPING DEVICE
Reuben Gordon, Jamaica, N. Y.
Application May 5, 1944, Serial No. 534,369
4 Claims. (Cl. 81—9.5)

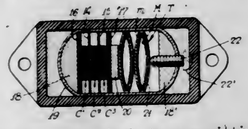


1. A tool for stripping insulation off of wire comprising a U-shaped spring metal handle, a blade connected to each of the free ends of said handle, said blades being spaced, each of said blades having a cutting edge and two oppositely inclined slots, a pin movably disposed in each of said slots, and two spaced blades, each having a cutting edge and bridging said slotted blades at one side thereof and rigidly secured to said pins, said slotted blades being movable toward each other and said other two blades being movable toward each other upon movement of said free ends toward each other.

2,383,480
TEMPERATURE COMPENSATED CAPACITOR AND REACTANCE
Sam Heyman, New Bedford, Mass., assignor to Aerovox Corporation, New Bedford, Mass., a corporation of New York
Application October 8, 1940, Serial No. 360,265
24 Claims. (Cl. 175—41)

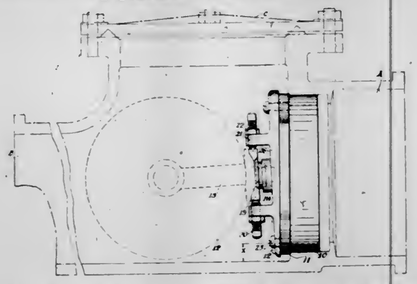
1. A temperature compensated electrostatic condenser comprising a capacitative element of the fixed type, a resilient temperature responsive

compensator associated therewith and constantly in pressure transmitting relation with respect thereto, said compensator being arranged symmetrically with respect to the axis of the ca-



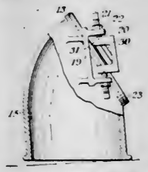
pacitative element and transmitting pressure axially of said condenser, automatically varied with expansion and contraction of said compensator under change of temperature thereof.

2,383,481
CHECK VALVE
Joseph Hirshstein, Cleveland, Ohio, assignor of one-half to Ruth R. Newman and one-half to Mildred Hirshstein, both of Cleveland, Ohio
Application November 26, 1943, Serial No. 511,807
4 Claims. (Cl. 251—123)



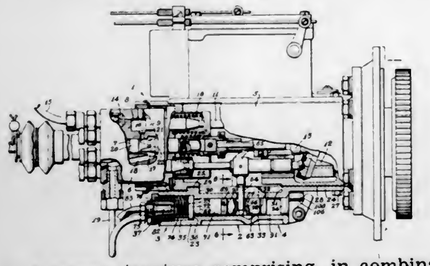
1. In a sewer line check valve mechanism, a seat member, a yoke carried on said member for mounting a valve disk, a valve disk mounted on said yoke in normally open position with respect to said seat and adapted to be closed by the impact of back water, a supporting arm having one hub-shaped end for the mounting of said disk therein and having its other end T-shaped with a boss at each end of said T-shaped end for pivotally connecting said arm to said yoke, said yoke having a wedge-shaped face adjacent said valve seat for offsetting one end of the yoke with respect to the valve seat member whereby the disk is caused to return by gravity to open position as soon as the excessive back pressure is relieved.

2,383,482
CHECK VALVE
Joseph Hirshstein, Cleveland, Ohio, assignor of one-half to Ruth R. Newman and one-half to Mildred Hirshstein, both of Cleveland, Ohio
Application November 26, 1943, Serial No. 511,808
2 Claims. (Cl. 251—123)



1. In a back water check valve mechanism for a drain line, an elbow fitting having an inlet port at one end and an outlet port at the other end, a seating face on the outlet end thereof in an inclined plane with respect to the axis of the inlet port; means carried on said fitting for supporting a valve disc; a valve disc mounted on said means and constructed and arranged to normally seek a closed position but capable of being opened by slight fluid pressure within the fitting, the mounting for said disc comprising a supporting arm pivotally mounted at one end on said disc supporting means and having its other end loosely connected to said disc; a trunnion bearing for effecting said pivotal connection, said bearing having a center line at a slight angle to the axis of the inlet port, said angle being smaller than the angle of inclination of the seating face, said elbow having its bottom edge in a plane at a slight angle to a plane normal to the axis of the inlet port whereby the sensitivity of the valve disc to the fluid pressure differential may be partially adjusted during installation.

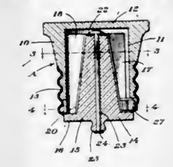
2,383,483
PUMP STRUCTURE
James F. Hoffer, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application February 9, 1942, Serial No. 429,998
5 Claims. (Cl. 103—44)



1. A pump structure comprising, in combination, a body having a cylinder, said body being formed in the top with a sump and with a bore opening from said sump of greater width than the diameter of the cylinder to and intersecting said cylinder, a piston reciprocable in said cylinder, drive means for said piston extending outwardly through said bore, means for supplying fluid to said cylinder during the suction stroke of said piston and for discharging fluid from said cylinder during the pressure stroke of said piston, a pressure control plunger reciprocable in said cylinder independently of said piston and constituting an end wall thereof in opposed relation to said piston, said control plunger being movable outwardly solely in response to pressure fluid in said cylinder, spring means for urging said plunger inwardly with a predetermined pressure, and means utilizing said control plunger as an auxiliary piston for transferring fluid from said sump to a point external of said cylinder.

2,383,484
FUSE PLUG
George E. Holmes, Dearborn, Mich.
Application November 30, 1943, Serial No. 512,372
2 Claims. (Cl. 200—125)

1. A fuse unit of the kind described, comprising a receptacle having a cylindrical socket of uniform diameter therein opening through one end only of the receptacle, a fuse carrier formed with a tapered core inserted within socket of the receptacle and spaced ribs extending outwardly of the core and having outer edges paralleling the inner wall of the socket, fuse elements arranged concentrically of the core, in spaced relation to each other, an electric contact centrally of the carrier and common to the fuse elements, a threaded shell-like contact exteriorly engaged on the receptacle next to the open end of the socket, springy ratchet acting contact means selectively engaging the fuse elements and the shell-like



contact, respectively, a retaining means fitting the core of the carrier for holding the contact means in working position with respect to the elements and shell-like contact, and a flattened portion interiorly of the socket for engaging faces of the ribs for holding the carrier against rotation in the receptacle when the said carrier is fully inserted in the latter.

2,383,485
PARACHUTE RELEASE
James W. Irby, Dayton, Ohio
Application August 18, 1944, Serial No. 550,120
3 Claims. (Cl. 294—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

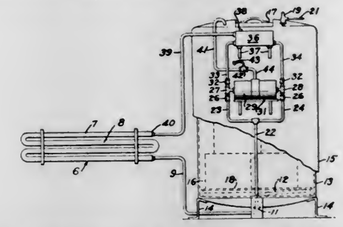


2. In combination in a device of the character described an elongated block having an axially disposed load ring receiving notch in one end, a pair of sister hooks concentrically pivoted along the longitudinal axis of said block within said block and, in operative position, bridging the aforesaid notch and a retracting spring for each hook mounted in said block and connected at its opposite ends, respectively, to said block and to the particular hook.

2,383,486
REFRIGERATION MECHANISM
Ruolf A. Isenberg and Richard S. Pershing, Los Altos, and Clarence Van Houden King, Jr., Edward D. Patton, and Robert Caraway, San Francisco, Calif., assignors to Perishables Shipping Equipment Company, a corporation of Nevada
Application February 8, 1939, Serial No. 255,244
12 Claims. (Cl. 62—91.5)

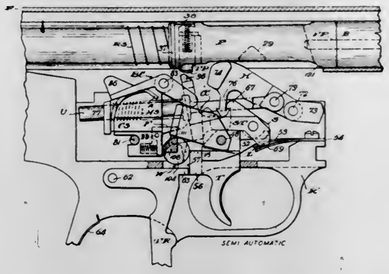
1. A refrigeration mechanism comprising a closed heat-exchange circuit including heat absorbing coils, a heat releasing coil and a pump

for circulating a heat exchanging fluid through said circuit, and a closed container for a sub-



limating refrigerant in thermal relationship with said heat releasing coil, said pump being operated solely with sublimated gas from said refrigerant.

2,383,487
AUTOMATIC GUN
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson, Melvin M. Johnson, Jr., and Edward E. Rice, as trustees of the Johnson Patent Trust, Boston, Mass.
Application March 13, 1941, Serial No. 383,071
13 Claims. (Cl. 42—3)



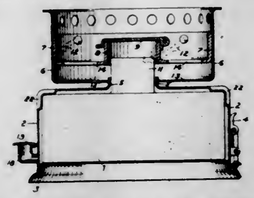
1. An automatic gun comprising a breech closure movable back and forth between closed and open positions, a closing spring for the closure, a hammer, a sear for holding the hammer in cocked position, a trigger for disengaging the sear from the hammer, a trip for disengaging the sear from the hammer, the trip having a part projecting into the path of the closure to be actuated by the closure in response to movement of the closure from open to closed position, means for holding the closure in open position, a handle for controlling said trip and holding means, means for mounting the handle for movement to and from semi-automatic position, and means kinematically interposed between the handle, trip and holding means for moving the trip and holding means to inoperative position when the handle is moved to semi-automatic position,

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2,383,488
STOVE
Joseph F. Joy, Claremont, N. H.
Application August 7, 1942, Serial No. 453,925
6 Claims. (Cl. 126—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A liquid fuel burner comprising a wick of coherent, porous, refractory material, a combustion drum surrounding said wick, air slots in the combustion drum, a flame control plate adjustably mounted for vertical movement in said combustion drum above said wick, flame slots

in said control plate, and a hood carried by said control plate adapted to enclose a portion of said



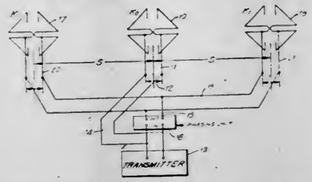
wick as said control plate is lowered whereby the flame may be regulated.

2,383,489

METHOD AND MEANS FOR CONTROLLING HORIZONTAL PATTERNS FOR GLIDE PATHS

Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application March 6, 1941, Serial No. 381,955
9 Claims. (Cl. 250—11)



1. A glide path landing beacon system for producing a landing glide path substantially in a single vertical plane comprising a radiating arrangement consisting of central radiating means, and at least two separate auxiliary radiating means arranged substantially in line with said central radiating means on either side thereof to form an array, said auxiliary radiating means being spaced not closer than one wavelength from said central radiating means, means for supplying energy of a given frequency to said central radiating means at a predetermined power level, means for supplying energy of the same frequency and at a lower power level to each of said auxiliary radiating means, said array being arranged at one side of the vertical plane containing the landing glide path and back of the point of contact with the ground of an airplane following said glide path to a landing, and having its axis, determined by said line, related at a predetermined angle to said plane, dependent upon the desired glide path contour.

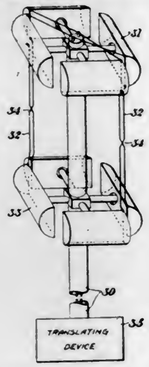
2,383,490

LOOP ANTENNA

Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application October 7, 1942, Serial No. 461,148
8 Claims. (Cl. 250—33)

4. A radio antenna for operating over a wide frequency band comprising four hollow radiant acting members each being no longer than substantially one half wavelength at the operating frequencies, said members having substantially equipotential inner surfaces and being arranged in the form of a substantially closed planar pattern, a shielded transmission line substantially normal to said pattern, means for connecting said transmission line to the diagonally opposed ends of said members and supporting means for each of said members fastened at one end to the



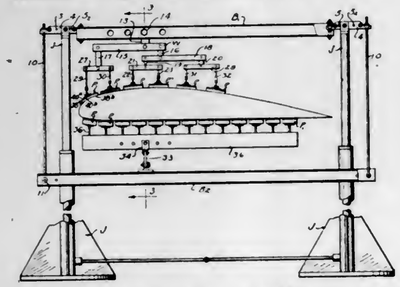
shield of said transmission line and at their other ends to the inner surface of the corresponding one of said hollow members.

2,383,491

METHOD AND APPARATUS FOR TESTING AIRCRAFT STRUCTURES

Paul H. Kemmer, Fairfield, and Edgar R. Weaver, Dayton, Ohio

Application September 11, 1939, Serial No. 294,344
21 Claims. (Cl. 73—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



17. Apparatus for static testing an aircraft structure by subjecting the aerodynamic lifting surfaces thereof to a distributed loading simulating on of the flight conditions of the aircraft, comprising adhesive elastic tension patch means for exerting a first lifting force distributed over a substantial part of the surface subjected to negative pressure, elastic compression pad means for exerting a second lifting force distributed over a substantial part of the surface subjected to positive pressure, and load applying means interconnecting said patch and pad means and so constructed as to maintain a predetermined ratio relationship between the first and second lifting forces.

2,383,492

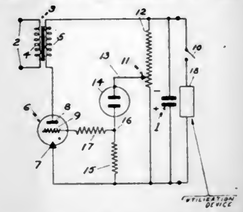
VOLTAGE REGULATOR

Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application October 10, 1942, Serial No. 461,571
13 Claims. (Cl. 320—1)

8. An electrical system comprising a load, a voltage source, means for connecting said load to said source, means for deriving a voltage from

at least a portion of the voltage across said load, means effective when the derived voltage reaches a predetermined value for subtracting a constant voltage from said derived voltage to obtain a control voltage proportionate to and having a



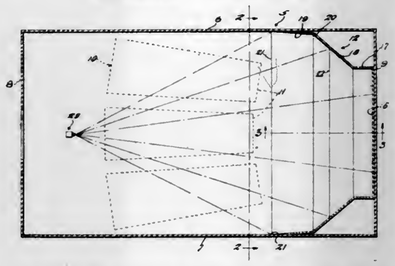
value less than said derived voltage by a constant predetermined amount, and means responsive to said control voltage for controlling the flow of current in a portion of said system when said control voltage reaches a predetermined value above its initial value.

2,383,493

MOTION PICTURE APPARATUS

Mabel V. Mercer, Arlington, Va.

Application May 1, 1942, Serial No. 441,360
4 Claims. (Cl. 88—16)



1. A motion picture theatre comprising a room having opposite side walls, a ceiling, and a floor, the ceiling extending between the upper ends of the side walls, and the floor extending between the lower ends of the side walls, a composite screen forming the rear wall of the room and extending across the room between the side walls and ceiling and floor of the room, said composite screen comprising marginal portions arranged at forwardly divergent angles and merging into the side walls, the ceiling, and the floor of the room.

2,383,494

MINERAL OIL COMPOSITION

Robert C. Moran, Wenonah, and Ronald E. Meyer, Ferdinand P. Otto, and Edward A. Oberright, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 23, 1943, Serial No. 491,946
10 Claims. (Cl. 252—48)

1. An improved mineral oil composition comprising a viscous mineral oil having in admixture therewith a minor proportion, sufficient to stabilize said mineral oil against the deleterious effects of oxidation, of a stable, non-corrosive, phosphorus- and sulfur-containing reaction product obtained by reaction of substantially one mol of phosphorus pentasulfide and four mols of dioleyl ketone at a temperature between about 100° C. and about 200° C.

2,383,495

PREPARATION OF LUBRICANTS

John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 31, 1941, Serial No. 386,127
22 Claims. (Cl. 252—32.7)

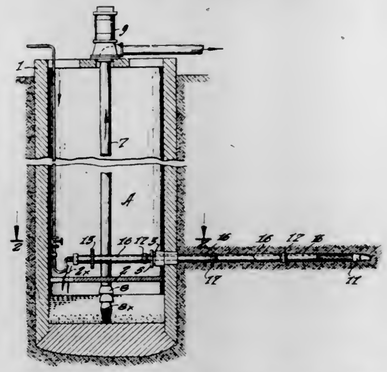
1. The process for making a lubricant, comprising reacting a sulfide of phosphorus with an ester wax, and partially saponifying the reaction product by reacting said reaction product with an amount of a metal compound insufficient to complete the reaction that occurs between said reaction product and said metal compound whereby to produce a mixture of said reaction product and the metal compound thereof.

2,383,496

METHOD OF AND APPARATUS FOR INSTALLING LATERAL WELLS IN FLUID-SATURABLE EARTH

Ross Nebolsine, Seacliff, N. Y.

Application March 6, 1941, Serial No. 381,941
7 Claims. (Cl. 166—1)



1. A method of installing lateral perforated well casing sections from the interior of a chamber bounded by a chamber wall and adapted to receive ground material from the perforated well casing, formed by said sections, which comprises laying perforated semi-round metallic lengths upon a supporting mandrel adjacent an aperture in said wall, connecting said lengths to form a tubular section, forcing said section into the ground formation exterior the casing but with the rear end of the section exposed, forming a second tubular section in the same manner as the first section and connecting it to said first section, forcing the two sections forwardly into the said ground formation and repeating the aforementioned operations until a desired length of perforated well casing has been projected.

2,383,497

MINERAL OIL COMPOSITION

Ferdinand P. Otto and Ronald E. Meyer, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 8, 1943, Serial No. 493,868
18 Claims. (Cl. 252—48)

1. An improved mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith a minor proportion, from

about 0.25 per cent to about 3.0 per cent, of a phosphorus- and sulfur-containing reaction product obtained by reacting substantially one mol of phosphorus pentasulfide with four mols of a sulfurized dioleyl ketone at a temperature between about 100° C. and about 200° C., said sulfurized dioleyl ketone being obtained by sulfurizing dioleyl ketone with elementary sulfur at a temperature between about 150° C. and about 200° C.

2,383,498

MINERAL OIL COMPOSITION

Ferdinand P. Otto and Ronald E. Meyer, Woodbury, and Robert C. Moran, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 10, 1943, Serial No. 494,262

17 Claims. (Cl. 252—34)

1. An improved mineral oil composition comprising a viscous mineral oil fraction and in admixture therewith a minor proportion, sufficient to stabilize said oil fraction, of a salt of an acidic, phosphorus- and sulfur-containing reaction product, said reaction product being selected from the group consisting of a reaction product obtained by reaction, at a temperature between about 135° C. and about 200° C., of substantially one mol of P_2S_5 and four mols of an unsaturated ketone; a reaction product obtained by reaction, at a temperature between about 135° C. and about 200° C., of substantially one mol of P_2S_5 and four mols of a sulfurized ketone, said sulfurized ketone being obtained by sulfurizing an unsaturated ketone with elementary sulfur at a temperature above about 150° C.; and a reaction product obtained by sulfurizing, with elementary sulfur at a temperature above about 150° C., an intermediate acidic, phosphorus- and sulfur-containing reaction product obtained by reaction of substantially one mol of P_2S_5 and four mols of an unsaturated ketone at a temperature between about 135° C. and about 200° C.; said salt being selected from the group consisting of ammonium and metal salts.

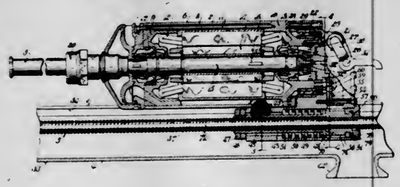
2,383,499

DRILL MECHANISM

Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application March 2, 1942, Serial No. 432,951

19 Claims. (Cl. 255—45)



1. In a drilling apparatus, in combination, means for rotating a drilling implement for causing the same to effect its drilling function including an implement-rotating motor, means for feeding a drilling implement which is rotated by said implement-rotating motor into the work during drilling, said feeding means including elements cooperating on relative movement to provide a feeding force and a yieldable element through which feeding pressures are delivered to the implement during drilling, said yieldable element having a portion thereof so operatively related to the implement to be fed, during drilling, that forward movements of such portion and of the drilling implement as the latter is fed are simultaneous and equal in extent, and means responsive to the torque loads on said implement rotating means and operative at a predetermined maximum torque load for automatically preventing further increase in the feeding pressures transmitted through said yieldable element to the implement for precluding the application of an excessive feeding pressure to the implement.

2,383,500

POLISHING COMPOUND

Lincoln M. Polan, Huntington, W. Va., assignor to Albert S. Polan, E. G. Polan, L. M. Polan, Charles Polan, and Lake Polan, Jr., a partnership doing business as Zenith Optical Company, Huntington, W. Va.

No Drawing. Application February 4, 1944, Serial No. 521,138

10 Claims. (Cl. 51—309)

1. A polishing composition containing the following ingredients and substantially in the following proportions by weight:

	Parts
Cerium oxide	32
Barium carbonate	8
Barium hydroxide	1

2,383,501

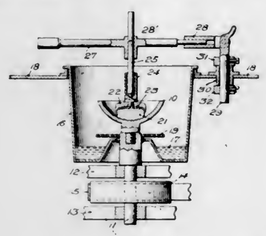
METHOD AND APPARATUS FOR GRINDING LENSES

Albert G. Powell, Philadelphia, Pa.

Application March 20, 1944, Serial No. 527,322

1 Claim. (Cl. 51—124)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a machine for grinding optical lenses, the combination of a cup shaped grinding tool having an interior contour simulating the surface of a sphere with radius equal to that desired for the face of a convex lens to be ground, means for rotating said tool about an axis extending centrally therethrough, a spinner chuck shaped to receive a lens blank and deisgned to maintain one face of said blank in contact with the interior surface of said grinding tool, a pivot pin bearing against the back of said chuck at the center thereof and permitting the spinner freely to follow the rotation which said tool imparts to said lens blank, a manually movable grinding lever supporting said pivot pin from a point intermediate its two ends and being secured at one of said ends by a connection which provides hinging action in all directions and further permits free twisting plus longitudinal movement of the lever, a handle on said lever's free end by which an operator may cause said pivot pin to press said lens against the interior of said grinding tool and at the same time sweep the lens back and forth from the center to one edge of said

tool's curved grinding surface, and a sleeve surrounding said pivot pin and rigidly secured to the back of said spinner chuck whereby to prevent tilt of said chuck with respect to said pin and thereby positively maintain said lens in uniform contact with said grinding tool at all times.

2,383,502

ACID TRIPHOSPHATES AS BUILDERS FOR ALKYL SULPHATES AND OTHER SOAPLESS DETERGENTS

Oscar T. Quimby, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application February 6, 1941, Serial No. 377,714

10 Claims. (Cl. 252—138)

1. As a new washing composition of improved washing efficiency, an anion active soapless synthetic surface active organic compound suitable as a washing agent in aqueous solution, in admixture with an alkali metal acid triphosphate having the general average formula $M_xH_{5-x}P_3O_{10}$ wherein M represents an alkali metal and x has any value between 5 and 3, and having a pH value in dilute aqueous solution less than 9.5 but not less than 5.

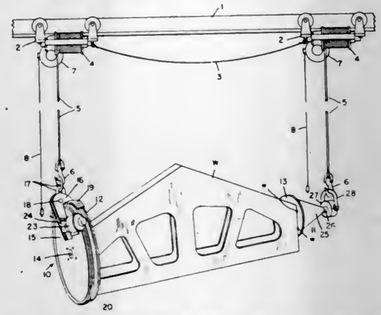
2,383,503

WORK SUPPORT

George G. Landis, South Euclid, and Norman J. Hoenie, Cleveland Heights, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio

Application July 30, 1943, Serial No. 496,736

5 Claims. (Cl. 29—284)



5. In a work support, the combination with a head stock and a tail stock, whereto when approximately axially aligned the ends of a work-piece may be secured; supporting means for said head stock arranged and constructed to provide for oscillatory movement thereof in a vertical plane, as well as rotative movement about such axis; a depending cable wherefrom said tail stock is suspended; means adapted to wind and unwind said cable thus to oscillate said head stock and tail stock with work-piece secured therebetween; and indexing mechanism included in said head stock, whereby a work-piece secured as stated may be rotated and held in desired position about such axis.

2,383,504

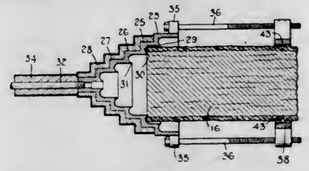
METHOD OF TREATING TIMBER

Christopher Luckhaupt, Jamaica, N. Y., assignor to Henry J. Lucke, East Orange, N. J.

Application December 4, 1941, Serial No. 421,568

4 Claims. (Cl. 117—59)

1. The method of treating wood or like cellular material embodying free water content which comprises reducing the free water content by simultaneously applying pressure at an end of the treated material affording passage therethrough of the pressure medium while preheating such material to a temperature at or above 115° C., thereby creating steam under pressure within the



treated material, and thereafter subjecting the treated material while thus preheated to terpin hydrate treating material at or above 115° C., whereby the thus supplied terpin hydrate constituent chemically combines with residual water content of the treated material to form solid composition filling the voids of the treated material.

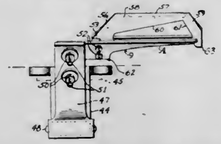
2,383,505

YARN LUBRICATION

Malcolm H. Lyle, Johnson City, and Clifton B. Smith, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application February 18, 1942, Serial No. 431,328

11 Claims. (Cl. 117—115)



1. The method of coating thread moving at a continuously increasing linear speed which comprises, passing the thread through a bath of liquid coating material freely held in suspension, said bath being characterized by a regularly increasing width, and continuously shifting the thread path in the direction of greatest width of said bath at a rate proportional to the rate of increase in the linear speed thereof, whereby to produce thread substantially uniformly coated throughout its length.

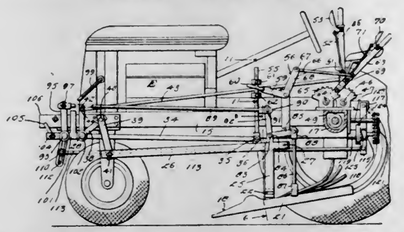
2,383,506

PEANUT OR POTATO DIGGER

Robert J. McClenny, Palatka, Fla.

Application July 27, 1942, Serial No. 452,515

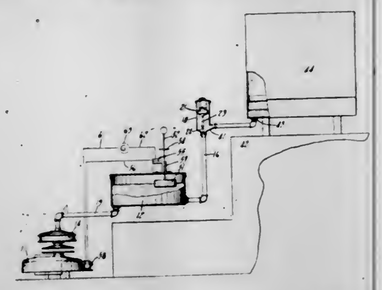
7 Claims. (Cl. 55—110)



1. In a tractor having a power take-off, a combined digger and dirt removing attachment, comprising a plow member of V-shape contour in transverse section, means supporting said member from the tractor, a plurality of substantially parallel shaker bars, bracing means between said

bars, a tubular member secured to the forward ends of said bars, means arranged within and connected to the plow member and extending through said tubular member rockably mounting said shaker bars on said plow member, and means connecting said tubular member with said power take-off.

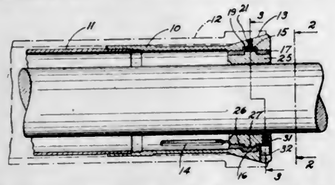
2,383,507
CONTAINER FILLING SYSTEM
William McK. Martin, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 2, 1941, Serial No. 421,353
1 Claim. (Cl. 226—129)



A system for filling into containers liquid products having a tendency to foam, comprising a filling machine from which the liquid is drawn for filling into the containers, said machine having means for operating the same, a supply pipe line connecting with said filling machine to supply the liquid thereto, an auxiliary supply tank having an inlet and outlet through which the liquid flows into said pipe line, a main supply tank having an outlet connection from which the liquid flows into said auxiliary supply tank, float controlled valve means disposed in said auxiliary supply tank for regulating the flow of liquid from said main supply tank and through said auxiliary tank outlet to said pipe line, a storage tank interposed in said pipe line between said filling machine and said auxiliary supply tank, float means for controlling the liquid level in said storage tank, the inlet and outlet of said auxiliary supply tank being each disposed at a level beneath the outlet connection of said main supply tank, and means actuated by said float for stopping the operation of said machine operating means when the liquid in said storage tank falls below a predetermined level, whereby the described flow of liquid is maintained only as long as there is sufficient liquid in said main supply tank to prevent entrainment of air into said pipe line so that the liquid delivered to the filling machine will be prevented from foaming.

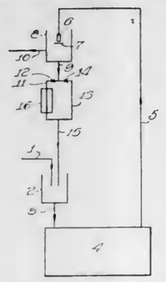
2,383,508
COLLET
Stoddard B. Martin, Lakewood, Ohio
Application July 10, 1942, Serial No. 450,431
6 Claims. (Cl. 279—51)

5. A master collet comprising a hollow body having slots extending into the same from the front face thereof providing a plurality of resilient segments, each of said segments having an opening extending inwardly from its front face, a pad fitting against the inner surface of each of said segments, means for securing each of said pads to its segment comprising a radially expansible post carried by each of said pads and fitting closely within the opening of its segment, each of said posts being formed with an axially extending tapped opening having wedging surfaces, and a member screw threaded into the opening of said post and accessible for manipulation from an



end thereof, said member being movable axially of said post into engagement with said wedging surfaces to expand the post radially into gripping engagement with the walls of its segment opening.

2,383,509
TREATMENT OF PIGMENT COMPRISING CALCIUM CARBONATE
Harold R. Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts
Application March 25, 1942, Serial No. 436,196
8 Claims. (Cl. 106—306)



3. The method of modifying a pigment comprising artificially prepared calcium carbonate which comprises passing a slurry comprising said pigment, water and one selected from the group of thinning agents consisting of casein, modified starch and sodium silicate, through a nozzle at a velocity of not less than 100 feet per second until a reduction is effected in the adhesive requirement of said calcium carbonate to not more than 90% of the original value.

4. The method of modifying a pigment comprising artificially prepared calcium carbonate which comprises passing a slurry comprising said pigment and water through a nozzle at a velocity of not less than 100 feet per second against a target spaced from the orifice of said nozzle until a reduction is effected in the adhesive requirement of said calcium carbonate to not more than 90% of its original value.

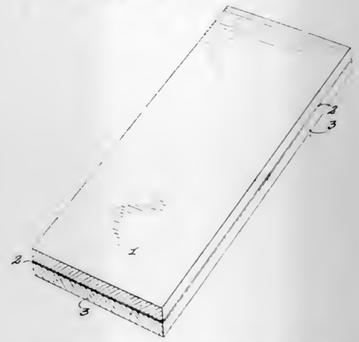
2,383,510
MINERAL OIL COMPOSITION
Horace E. Redman, Wenonah, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 29, 1943, Serial No. 489,098
16 Claims. (Cl. 252—48)

1. An improved mineral oil composition comprising a viscous mineral oil and in admixture therewith a minor proportion, sufficient to stabilize said oil against oxidation, of a salt of an acidic, phosphorus- and sulfur-containing reaction product obtained by reaction, at a temperature above about 90° C., of substantially one mol of P_2S_5 and four mols of a saturated aliphatic ketone having the general formula:

$$R-\overset{\overset{O}{\|}}{C}-R'$$

wherein R and R′ are saturated aliphatic groups, said salt being selected from the group consisting of metal, ammonium and organic amine salts.

2,383,511
COMPOSITE ALUMINUM-ALLOY SHEETS AND METHOD OF MAKING SAME
Richard S. Reynolds, Richmond, Va.
Application November 1, 1941, Serial No. 417,578
3 Claims. (Cl. 29—189)

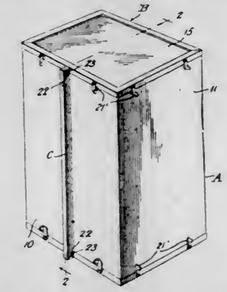


1. A rolled composite metallic sheet comprising a plurality of hard aluminum-alloy layers exceeding 40 Brinell in hardness, the layers being characterized by resistance to mutual bonding under pressure, and intermediate each two layers a foil of commercially pure aluminum bonding the assembly into a permanent integral sheet structure, the aluminum bonding containing less than 1% silicon.

3. A method of forming a permanent integral metallic sheet structure composed of a plurality of hard aluminum-alloy layers exceeding 40 Brinell in hardness, which are resistant to mutual bonding under pressure, which comprises the assembly of aluminum-alloy slabs of different characteristics with a layer of commercially pure aluminum, of very substantially less thickness than the slab, between each two of the slabs, and thence rolling down the assembly to a desired sheet thickness, the stated commercially pure aluminum inherently bonding the assembly into permanent integral sheet form, the aluminum bonding containing less than 1% silicon.

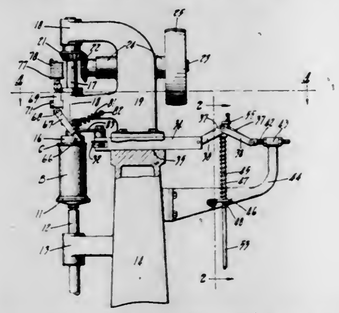
2,383,512
KNOCKDOWN COLLAPSIBLE CLOSET
Charles Rosenthal, New York, N. Y.
Application May 27, 1944, Serial No. 537,547
1 Claim. (Cl. 312—144)

In a knock-down collapsible storage closet of the character set forth, the combination with a body unit having a rear wall member, side wall members connected to and extending forwardly from the opposite vertical edges of the rear wall member and a pair of closure members hingedly connected respectively to the forward vertical edges of the side wall members; and a complementary unit consisting of top and bottom wall members having inwardly offset marginal portions respectively complementary to and receiving in the inwardly offset portions thereof the upper and lower edge portions of the rear and side wall members and the closure members respectively, means on the top and bottom wall members engageable with the end portions of the body unit to retain the same within the offset marginal portions, a front spacing strip hingedly connected respectively at its upper and lower



ends to the forward portions of the top and bottom wall members; means releaseably retaining the closure members inwardly against the spacing strip; of a rear spacing strip unit positioned outside of the rear wall member and having notches adjacent its opposite ends, and means at the rear portions of the top and bottom wall members disposed outwardly beyond the marginal inwardly offset portions thereof and engaging the notches of said spacing strip unit so that the same supports the top wall member on the bottom wall member and prevents relative vertical movement therebetween.

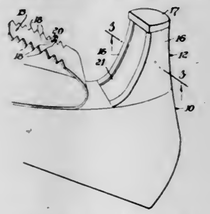
2,383,513
CAN CLOSING MACHINE
Arthur A. Saalbach, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 3, 1942, Serial No. 457,211
2 Claims. (Cl. 113—23)



1. In a can closing machine for sealing a flanged end to a can by reshaping of the flanged end in a seam adapted to receive a rotatable cover thereover, the combination of a seaming roller having movable means for supporting the same, lubricating means movably supported on the machine adjacent the can end to be seamed, said lubricating means being normally disposed out of contact with said can end seam and movable in a predetermined path, means to move the roller

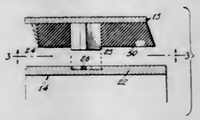
into engagement with said can end flange and bend the flange inwardly into the path of movement of said lubricating means, and means on the roller supporting means to move said lubricating means along said predetermined path to lubricate the seam after the roller has bent the flange inwardly, whereby said flange is engaged by said lubricating means in timed relation to continued movement of said roller in completing the formation of said end seam, to condition the completed seam for the reception thereover of said rotatable cover.

2,383,514
ORNAMENTAL SHOE AND METHOD OF MAKING THE SAME
Louis Sabo, Astoria, N. Y., assignor to Herman B. Delman, New York, N. Y.
Application March 28, 1942, Serial No. 436,655
10 Claims. (Cl. 36—24.5)



8. The combination with a shoe comprising a heel at least partially surrounded by a covering material, of a heel breast flap having a cut-out ornamentation and secured to the breast of said heel in overlapping relation with said covering material with the edge of said flap spaced inwardly from and non-parallel to the contour of the breast of the heel to provide in conjunction with said covering material an ornamented heel breast.

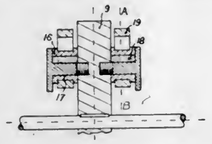
2,383,515
CUTTING DEVICE FOR FORMING ORNAMENTED BREAST HEEL FLAPS
Louis Sabo, Astoria, N. Y., assignor to Herman B. Delman, New York, N. Y.
Application December 7, 1944, Serial No. 567,053
5 Claims. (Cl. 12—17)



1. A cutting device for forming a heel breast flap of a shoe, which comprises means for supporting a shoe having a heel breast flap blank attached thereto, and comprising a cutter coacting therewith comprising a cutter edge for trimming the outer edge of said breast flap to ornamental contour, and means for simultaneously forming a design in the body portion of said flap.

2,383,516
OSCILLATION REDUCING DEVICE
François Marie Michel Bernard Salomon, Paris, France; vested in the Alien Property Custodian
Application August 16, 1939, Serial No. 290,433
In Luxemburg August 17, 1938
19 Claims. (Cl. 74—574)

1. A rotary machine member subjected to vibrations, carrying at least one roller track for at least one centrifugal mass that is capable of oscillating by rolling on the roller track while remaining in contact with a deformable sub-

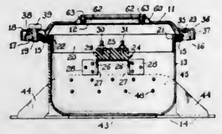


stance, said centrifugal mass carrying, on the other hand, a roller track for at least one other centrifugal mass capable of oscillating by rolling on the last mentioned roller track.

2,383,517
METHOD OF PRODUCING A SCENT FIXATIVE
Maurice Sandoz, Vevey la Tour, Switzerland, assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application September 16, 1943, Serial No. 502,633
6 Claims. (Cl. 260—107)

1. A method of producing a scent fixative which comprises treating the leafy portion of *Myrica asplenifolia* with petroleum ether, separating the solids from the solution, and removing the petroleum ether from the solution to obtain the waxy substance extracted from said *Myrica asplenifolia*.

2,383,518
CONNECTION BOX FOR ELECTRICAL TERMINALS
Rudolph I. Schonitzer, Shaker Heights, and Edwin L. Allen and Harold B. Muster, Cleveland Heights, Ohio; said Allen and said Muster assignors to said Schonitzer
Original application February 23, 1942, Serial No. 432,006, now Patent No. 2,359,053, dated September 26, 1944. Divided and this application December 30, 1943, Serial No. 516,143
9 Claims. (Cl. 248—346)

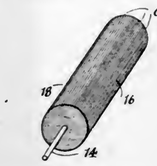


1. A base member for a box structure wherein said box structure has a bottom wall and a peripherally continuous upstanding wall, said base member being formed from sheet metal and having a portion thereof underlying and connected to the bottom wall of said box structure and having another portion thereof projecting beyond the bottom wall of said box structure, said projecting portion having upturned wing means for attachment to the upstanding wall of said box structure, and said projecting portion also having laterally extending means for the securement of said base member to a supporting structure.

8. A base member for a box structure wherein said box structure has a bottom wall and a peripherally continuous upstanding wall, said base member being formed from sheet metal and having a portion underlying and connected to the bottom wall of said box structure, said base member also being provided adjacent each of the two ends of its first mentioned portion with a pair of

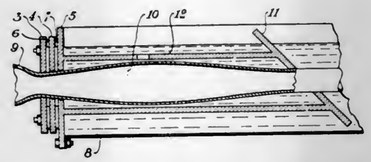
oppositely extending portions projecting laterally beyond the bottom wall of the box structure, the base member being therefore of substantially H form in plan view, at least one of the four projecting portions of the base member having means for the attachment of the base member to a support and at least one of said projecting portions having additional means connected to the upstanding wall of said box structure.

2,383,519
MANUFACTURE OF ABRASIVE ARTICLES
Donald B. Sharpe, North Tonawanda, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application June 27, 1944, Serial No. 542,326
8 Claims. (Cl. 51—297)



1. The method of making an abrasive article having a cylindrical shaped, bonded abrasive body from a plurality of superimposed sheets of felted fibrous abrasive-containing web material which comprises assembling a plurality of sheets of felted fibrous, abrasive-containing web material in superimposed relation, subjecting the assembly of said web material to pressure to compact it into a slab having a thickness at least equal to the diameter of the cylindrical shaped body to be made, cutting a strip from said slab, said strip having a width at least equal to the diameter of the cylindrical shaped body to be made, and trimming the resulting strip to the desired cylindrical shape.

2,383,520
FABRICATION OF TUBING
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application September 11, 1942, Serial No. 458,051
16 Claims. (Cl. 18—57)

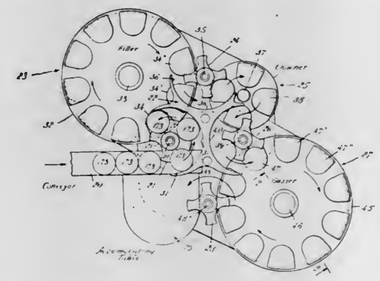


1. In a method for the fabrication of tubing, the steps which include: expressing a heated thermoplastic through a die to form a tube while supporting the tube internally by introducing a fluid thereinto; drawing said tube successively through a plurality of preliminary draw plates spaced apart, each of said plates having a similarly shaped opening slightly larger than the opening in the preceding plate, while said tube is still relatively plastic, and, thereafter drawing said tube through a final draw plate provided with an opening to give the exact external shape desired in the finished tube, the plane of said opening being at other than a right angle to the line of draw.

2,383,521
PROCESS OF SEPARATING HYDROCARBONS AND WAXES AND THE PRODUCTS SO PRODUCED
Frank J. Sowa, Cranford, N. J.
No Drawing. Application May 18, 1942, Serial No. 443,494
7 Claims. (Cl. 196—18)

1. A process for the separation of liquid hydrocarbons from waxes comprising adding to a mixture of liquid hydrocarbons and waxes a sufficient quantity of an organic silicane to cause the separation of said hydrocarbon and wax.

2,383,522
APPARATUS FOR TREATING LIQUIDS
Charles D. Thoms, New York, N. Y.
Application December 4, 1940, Serial No. 368,440
12 Claims. (Cl. 226—69)

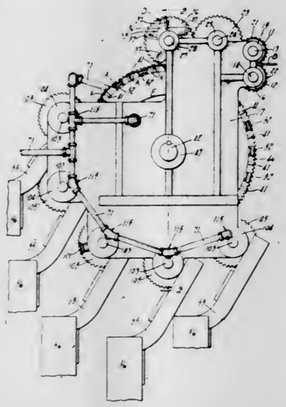


1. An apparatus for filling and confining liquid in a container with a suitable gas under pressure comprising a filling-device for partially filling the container through its opening with a predetermined amount of the liquid, a crowning-device for sealing the opening of the container with a crown provided with a valve, an automatically closing support adapted to hold the sealed container, gas-charging means for passing the gas through said valve into the container, and shaking-means associated with the support for mechanically agitating the container and the liquid while the gas is introduced, and terminating-means for stopping the charging of the liquid with the gas when the gas has been introduced into the container for a predetermined time.

2,383,523
FLATTENED CAN BODY MANUFACTURING MACHINE
Ivan D. Thornburgh, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1943, Serial No. 512,832
11 Claims. (Cl. 164—68)

9. In a machine for making can bodies from tubing that has been flattened into double wall ribbon form for convenience in shipment and storage, the combination of cutting means for severing the flattened tubing into can body lengths to produce partially formed can bodies, a rotatable carrier turret located adjacent said cutting means, suction cups carried on said turret and extending beyond its periphery for holding said flattened tubing during the cutting of and for receiving said cut-off partially formed can bodies for carrying the same along a curved path of travel, a plurality of distributing members dis-

posed adjacent the periphery of said carrier turret and rotatable in time therewith, a suction cup on each of said distributing members for engaging a can body on its surface opposite to the surface held by said turret suction cup for stripping the body from the turret cup thus selectively



distributing said can bodies to a plurality of different places of deposit for further operations incidental to the manufacture of such can bodies, and valve means communicating with a source of vacuum and with each of said suction cups to facilitate removal of the partially formed can bodies from said carrier turret.

2,383,524

RESOLUTION OF RACEMIC ALPHA-HYDROXY-β,β-DIMETHYL - GAMMA - BUTYROLACTONE

Max Tishler, Rahway, and Ralph H. Beutel, Newark, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application April 7, 1943, Serial No. 482,146

8 Claims. (Cl. 260—344)

1. The process that comprises treating racemic α - hydroxy-β,β-dimethyl-gamma-butyrolactone in benzene with a diacyl-d-tartaric acid anhydride to form a mixture of the esters of the dextrorotatory and the laevorotatory lactone stereomers, treating the mixture with pyridine to form pyridine salts of the lactone-esters, and separating the sparingly soluble pyridine salt of the laevorotatory lactone-ester from the reaction mixture.

2,383,525

DETERGENT COMPOSITION

Nathaniel Beverley Tucker, Glendale, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application February 19, 1942, Serial No. 431,551

12 Claims. (Cl. 252—152)

1. A cleansing composition comprising essentially a mixture of a detergent having pronounced detergent power and selected from the group consisting of water soluble salts of organic sulfonic acids and water soluble salts of aliphatic sulfuric acid esters, and a N-acyl morpholine having twelve to fourteen carbon atoms in the acyl radical, the amount by weight of the N-acyl morpholine being less than the amount by weight of the said detergent but sufficient to enhance the detergent power thereof.

2,383,526

DETERGENT COMPOSITION

Nathaniel Beverley Tucker, Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application July 2, 1942, Serial No. 449,495

17 Claims. (Cl. 252—152)

1. A cleansing and laundering composition comprising essentially a mixture of a detergent having pronounced detergent power and selected from the group consisting of water-soluble salts of organic sulfonic acids and water-soluble salts of aliphatic sulfuric acid esters, and a nitrile of a fatty acid, having 10 to 14 carbon atoms, the amount by weight of the nitrile being less than the amount by weight of the detergent but sufficient to enhance the detergent power thereof.

2,383,527

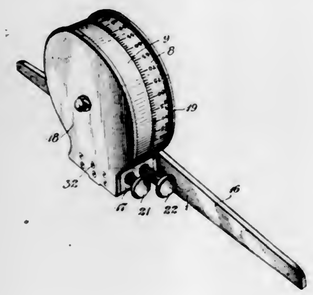
PROPELLER BLADE PITCH MEASURING DEVICE

Thomas J. Whitechester, United States Navy

Application September 2, 1943, Serial No. 500,897

7 Claims. (Cl. 33—215)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for measuring the pitch angle of a propeller blade comprising a straight edge, two adjacent rotatable eccentrically weighted members mounted at one side of said straight edge and having adjacent annular scales, one scale being a degree scale on which two-degree intervals are marked off as units, the other scale being a vernier scale to read fractional units and releasable brake means for each of said members.

2,383,528

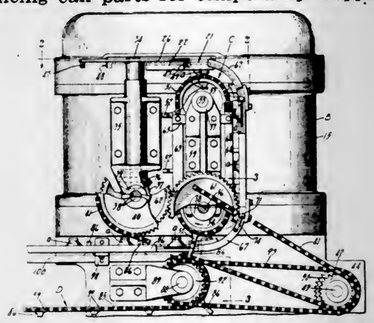
TRANSFER MECHANISM FOR CAN PARTS

William P. Winters, Cincinnati, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application March 5, 1943, Serial No. 478,149

5 Claims. (Cl. 198—33)

1. In a conveyor mechanism for can parts, the combination of stationary guides for directing the parts along a predetermined path of travel, a conveyor operable adjacent said guides and having fingers for receiving and for advancing the can parts by pushing them along said guides in predetermined timed and spaced relation, and a stop element located in the path of travel of said advancing can parts for temporarily stopping a



can part which has advanced beyond its propelling finger until its engagement by said finger.

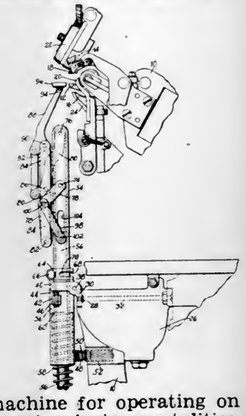
2,383,529

WORK SUPPORT FOR SHOE MACHINES

Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 16, 1943, Serial No. 483,276

25 Claims. (Cl. 112—62)



1. In a machine for operating on shoes having shoe engaging instrumentalities for operating progressively along the periphery of a shoe, the combination of an articulated horn a part of which enters a shoe for internally supporting the shoe at the operating point, and means for varying the shape of the horn to cause said shoe entering part of the horn to accommodate the shoe in every position it assumes during the progress of its periphery past the operating point.

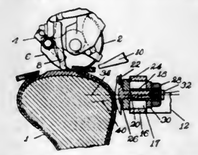
2,383,530

SHOE SEWING MACHINE

Louis L. Barner, Endicott, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application March 23, 1944, Serial No. 527,761

6 Claims. (Cl. 112—39)



1. An inseam shoe sewing machine having stitch forming devices including a curved hook needle, and a back rest slide, in combination with a button rotatable on the slide about an axis substantially parallel to a line tangent to that portion of the needle engaging the work.

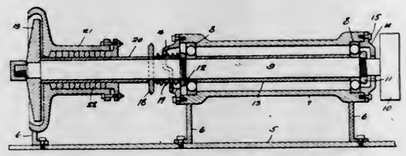
2,383,531

BEARING GUARD

Jacob S. Caruthers, Rand, W. Va.

Application October 4, 1943, Serial No. 504,941

1 Claim. (Cl. 286—5)



A guard adapted to direct liquid away from a shaft bearing, comprising a sleeve fitted on the shaft to rotate therewith, one end of the sleeve adapted to abut the outer end of the bearing, said sleeve having a spirally formed external groove pitched to feed liquid away from the bearing, a hollow cap encasing the groove in spaced relation therewith, said cap having a wide upper portion and a narrow lower portion formed with a drain opening, the wall of the wide upper portion being inclined inwardly toward the groove, and a disk secured to the shaft in spaced relation with the cap and groove portion, said groove and inclined wall of the cap adapted to direct liquid on to the disk away from the bearing, and said disk adapted to throw liquid away from the shaft by centrifugal force.

2,383,532

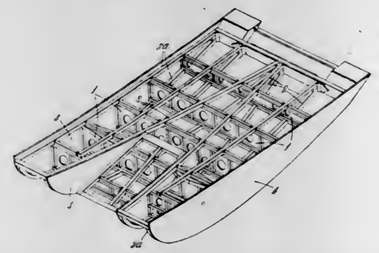
LIQUID FUEL TANK FOR AIRCRAFT

John Ernest Coxon, Lowfield Heath, near Crawley, Forester Lindsley, Lambourne Woodlands, near Newbury, and Gordon Eric Shelley, Horley, England, assignors to Southern Aircraft (Gatwick) Limited, Surrey, England, a company of Great Britain

Application August 7, 1943, Serial No. 497,836

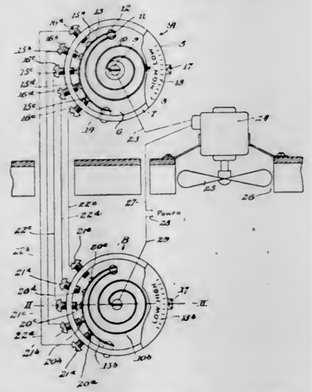
In Great Britain August 21, 1942

4 Claims. (Cl. 244—135)



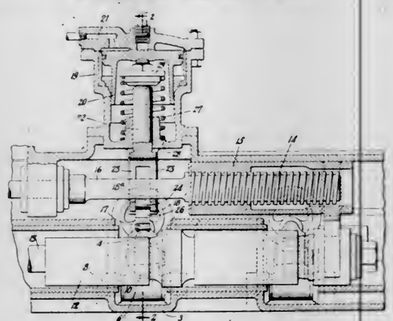
1. A jettison tank for aircraft comprising a streamlined substantially boat shaped liquid fuel container having walls and stiffening members which consist entirely of wood and made gas and liquid tight, and means on said container for connecting it to the aircraft in a mechanically detachable manner, said stiffening members including bulkheads of wood extending transversely from side to side of the container and over the full width and depth thereof and spars extending longitudinally of the container across the upper and lower faces of said bulkheads.

2,383,533
CORRELATIVE THERMOSTATIC SWITCH MECHANISM
George W. Crise, Columbus, Ohio, assignor to Crise Electric Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application September 18, 1943, Serial No. 502,962
3 Claims. (Cl. 200—138)



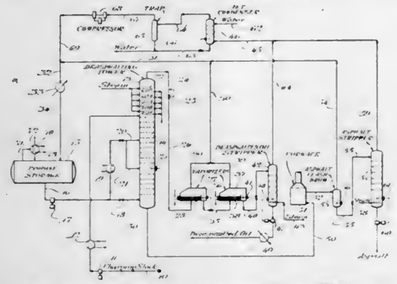
1. A thermostatic switch comprising a casing having an internal substantially circular chamber, an axially arranged post carried by said casing, a spiral thermostatic coil deflectable in response to temperature variations, said coil being positioned in said casing chamber and having its inner end fixed to said support, an arcuate flexible reed having one end secured to the outer deflectable end of said coil and its other end stationarily secured to said casing, a plurality of spaced contacts carried by said reed, and a plurality of spaced complemental contacts carried by said casing in registration with the reed contacts, the casing contacts being progressively engaged or disengaged by the reed contacts upon predetermined variations in the temperature around the coil.

2,383,534
LOCOMOTIVE DRIFTING CONTROL MECHANISM
Raymond P. Delano, Jr., Baltimore, Md., assignor to Franklin Railway Supply Company, Inc., New York, N. Y., a corporation of New York
Application March 6, 1944, Serial No. 525,181
6 Claims. (Cl. 121—127)



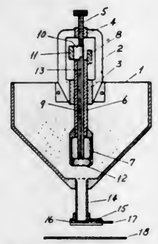
1. In steam distributing valve mechanism for a locomotive having cam actuated poppet valves, mechanism for opening a valve to provide for drifting operation, including a swinging arm adapted in one position to hold the valve open and in another position to release the valve for normal cam actuation, a reciprocable operating member, and an abutment carried by said member and adapted to bear against a surface of the arm which is inclined in a direction to move the arm to valve-open position.

2,383,535
PROPANE FRACTIONATION OF HEAVY OILS
John T. Dickinson, Basking Ridge, N. J., and Henry P. Wickham, Glen Head, and Oliver Morfit, Scarsdale, N. Y., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 27, 1941, Serial No. 416,680
11 Claims. (Cl. 196—13)



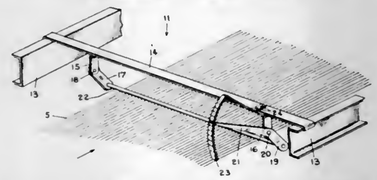
1. The method of increasing the efficiency of a countercurrent propane fractionation system wherein charging stock is introduced into one end of a fractionation zone at a relatively high temperature and propane is introduced at the other end of said zone at a relatively low temperature, which method comprises introducing additional amounts of propane at at least one intermediate point in said zone, maintaining an intermediate point in said zone at a substantially higher temperature than the temperature at the point of propane inlet and at a substantially lower temperature than the temperature at the point of charging stock inlet, and employing a rate of upward flow in the upper part of the tower approximately twice as high as the rate of upward flow in the lower part of the tower.

2,383,536
DOUGH DIVIDING MACHINE
Irwin Elliott, Croton on Hudson, N. Y., assignor to Krum-Elliott Company, New York, N. Y., a copartnership composed of Irwin Elliott and Carl E. Krum
Application July 26, 1944, Serial No. 546,639½
2 Claims. (Cl. 107—15)



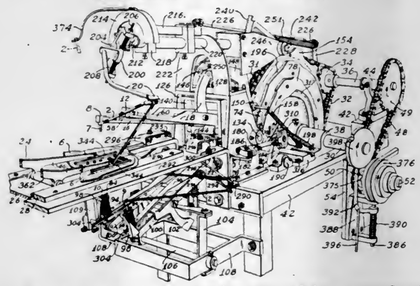
1. A dough dividing machine comprising a reservoir for the dough, a measuring chamber immersed in the dough and having an open end, said chamber being mounted with freedom to be advanced into engagement with and to be withdrawn from a wall of the reservoir, a discharge opening in said wall of the reservoir located to communicate with the interior of the chamber when the latter is in engagement with said wall, a piston movable within the chamber from an inner position remote from the open end thereof to an outer dough-discharging position in which its outer surface is substantially flush with such open end of the chamber, and means adapted to simultaneously withdraw both the chamber and the piston while maintaining the outer surface of the piston substantially flush with the open end of the chamber.

2,383,537
TENSION INDICATOR
William J. Elvin, Frostburg, and John B. Steiding, Midland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application September 9, 1943, Serial No. 501,650
2 Claims. (Cl. 73—144)



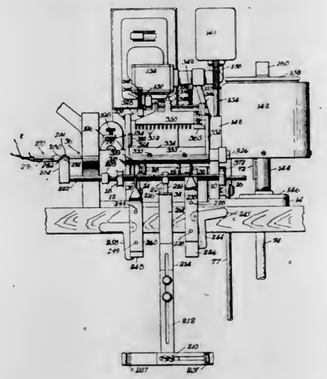
1. A tension indicating device responsive to the tension in a travelling warp of threads, comprising a support, spaced links pivotally mounted on said support, a rod carried by the free ends of and bridging said links, said rod extending across and above the full width of said warp and adapted to be moved thereby, and a pointer movable by said rod, effected by the tension of said warp as a whole, into a visual indication.

2,383,538
SHOE UPPER LACING MACHINE
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 23, 1941, Serial No. 403,675
43 Claims. (Cl. 12—69.5)



1. In a shoe upper lacing machine employing a flexible lace provided with permanent, relatively rigid terminal tips for projection through the eyelets in an upper to connect the edges of the upper along its lacing slit, the combination with upper supporting means, of tip engaging members on opposite sides of the supported upper, and means for actuating said members alternately to insert end first the tip of a lace into an eyelet from one side of the upper and to withdraw the tip from the other side of the upper.

2,383,539
TAPE APPLYING MACHINE
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 22, 1943, Serial No. 488,036
42 Claims. (Cl. 12—59.5)



1. In a machine for applying tape to shoe parts, a work support, means for intermittently advancing an uncoated length of tape, means intermittently operable in timed relation with the feeding means for applying adhesive to the work engaging face of said advanced length of tape, tape severing means, and means for engaging each severed piece of tape and for pressing it against a work piece on said support.

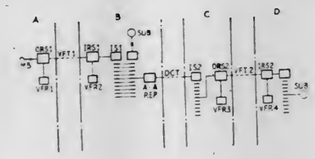
2,383,540
OIL RESISTING RUBBER
Geoffrey Gee and Stanley Charles Stokes, Welwyn Garden City, England, assignors to The British Rubber Producers' Research Association, London, England, a body corporate of Great Britain
No Drawing. Application December 19, 1942, Serial No. 469,564. In Great Britain September 24, 1941
1 Claim. (Cl. 260—727)

A process for the preparation of oil-resisting rubbers consisting in dissolving crepe rubber in a suitable organic solvent, subjecting said solution to a predetermined flow of hydrochloric acid gas, while agitating the solution, to thereby convert a portion of said solution into an unsaturated rubber hydrochloride having a chlorine content of approximately 26% by weight, isolating said rubber hydrochloride from said solution, compounding said rubber hydrochloride with normal compounding ingredients including less than 1% of zinc oxide by weight of said rubber hydrochloride, and finally vulcanizing said compound at a temperature not in excess of 100° C.

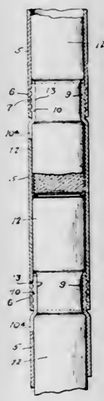
2,383,541
TELEPHONE OR LIKE SYSTEM
Charles Gillings and Charles Edmund Beale, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application December 31, 1943, Serial No. 516,322
In Great Britain February 13, 1943
12 Claims. (Cl. 179—27)

1. In a telephone system employing mixed systems of voice frequency and direct current signaling for controlling the selective setting of

automatic switches, a repeater responsive to incoming voice frequency signals for transmitting corresponding direct current signals forward to succeeding switches, said repeater being operative to at times transmit a voice frequency testing signal forward and being operative in response to a consequent return signal to condition itself for straight-through transmission of subsequent voice frequency signals.



2,383,542
PAPER CONTAINER FOR DYNAMITE
Edwin A. Godfrey, Sacramento, Calif.
Application March 19, 1943, Serial No. 479,793
4 Claims. (Cl. 102—24)

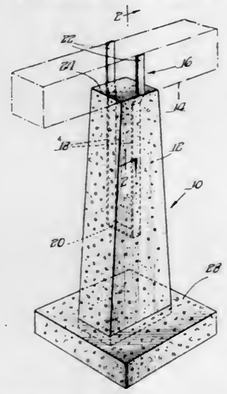


1. In a paper dynamite package of the character described, tubular paper sections telescopically connected at their ends with the overlapped portions providing an internal diameter in the zone thereof less than the diameter of the remaining portions of said sections, and dynamite sticks in the sections interlocked with the end connections between the paper sections intermediate the ends of the dynamite sticks.

2,383,543
COAL SPRAY OIL
Worth Gray, Wheaton, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 18, 1938, Serial No. 235,629
11 Claims. (Cl. 44—6)

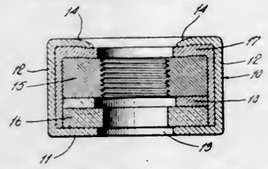
1. A spraying composition comprising from about 25% to about 80% of a lubricating oil solvent extract together with a blending oil having a viscosity of at least about 50 seconds Saybolt at 100° F., said composition having a viscosity of from about 150 to about 1200 seconds Saybolt at 100° F.

2,383,544
FOUNDATION BLOCK STRUCTURE
Nelson J. Guimont, Chicago, Ill.
Application August 23, 1944, Serial No. 550,702
4 Claims. (Cl. 72—77)



1. A foundation structure including a post of masonry material having a base portion capable of being imbedded within the ground, the upper extremity of the post having a surface providing a rest for a building frame structure, and a U-shaped metallic strap fastening device carried as a unit embedded in the post and having extremities extending upwardly beyond said frame accommodating surface, said strap being formed of a gauge sufficiently light to be readily pierced by fastening elements, the distance between said fastening extremities being such as to accommodate a complementary building frame structure, said strap extremities being adapted to be pierced by elongated fastening elements for securing said extremities to a building frame structure.

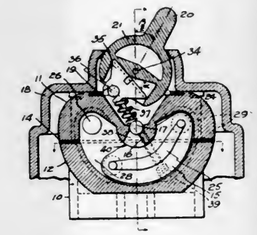
2,383,545
SELF-LOCKING NUT
Childress B. Gwyn, Jr., Bannockburn, Ill., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y., a corporation of the United States
Application July 9, 1943, Serial No. 493,992
2 Claims. (Cl. 151—7)



1. A self-locking nut comprising a flat bottom cup-shaped casing having a central aperture and being of polygonal interior and exterior contour, a flat bottom cup-shaped shell within said casing with its rim facing the casing bottom, said shell being of polygonal interior and exterior contour with its exterior contour being complemental to the interior contour of said casing to prevent rotation of said shell relative to said casing, a nut member and a locking member within said shell, said members being of external polygonal contour complemental to the interior of said shell to prevent rotation of said members relative to said shell, and extensions from said casing wall bent inwardly over said shell bottom to retain it, together with the nut and locking members, in said

casing, an aperture in said shell bottom, a tapped aperture in said nut member and an aperture in said locking member, said locking member aperture being of less diameter than the major diameter of said tapped aperture and said shell aperture being only slightly larger than the locking member aperture whereby the face of the locking member is substantially covered by said shell bottom.

2,383,546
BOX SWITCH
Jósef Anshelm Hallander, Stockholm, Sweden
Application July 2, 1942, Serial No. 449,408
In Sweden September 14, 1939
8 Claims. (Cl. 200—67)

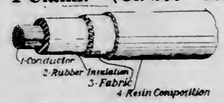


1. An electric box switch of the enclosed quick break type, comprising a substantially hermetically sealed switch casing enclosing a hollow chamber having substantially the shape of a ring segment, stationary contacts inserted in the inner walls of said chamber, a switching member having the shape of a similar ring segment of less angular length, said switching member fitting snugly in said chamber and being adjustable therein to assume alternatively two positions at substantially opposite ends of said chamber, metallic contact elements carried on said switching member for cooperation with said stationary contacts, control means for said switching member including a swing shaft disposed coaxially with both said ring segments and supported on said casing, a connecting rod extending from said shaft through an aperture in said casing into said switching member, said connecting rod being secured to and extending radially of said swing shaft and switching member, and an actuating arm projecting radially from said swing shaft on the outside of said casing, and means for sealing said aperture in said casing against the flow of air therethrough.

2,383,547
ABSORPTION AND RECOVERY OF ACETYLENE BY A CRYOGENIC METHOD
William H. Hamill and Richard R. Vogt, Notre Dame, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 15, 1940, Serial No. 361,274
2 Claims. (Cl. 183—115)

2. Process for enriching acetylene which comprises continuously passing a solvent therefor through an absorption zone, continuously passing impure acetylene gas through said absorption zone, continuously freezing the effluent solvent from the absorption zone whereby enriched acetylene is liberated, continuously thawing the solvent and continuously recirculating the solvent through the absorption zone.

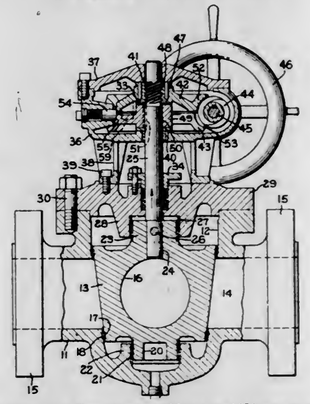
2,383,548
COATING COMPOSITION
Charles B. Hemming, New Rochelle, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 21, 1942, Serial No. 439,939
1 Claim. (Cl. 260—15)



A flexible, highly heat and oil resistant coating of approximately the following composition:

	Per cent by weight
Ethyl cellulose (ethoxyl content 43.5–44.5%)	10.6
Ethyl alcohol (denatured)	12.0
Benzol	46.0
60% solution in toluene of 82% castor oil modified glycerol sebacate	21.4
Butyl stearate	2.1
Heavy mineral oil	1.7
Nigrosine oleate	0.9
60% solution in butyl alcohol of butyl alcohol modified urea-formaldehyde resin	5.3

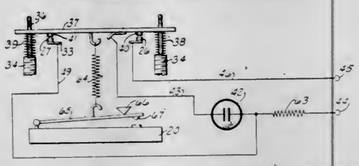
2,383,549
VALVE OPERATING MECHANISM
Earl E. Hilker, Spring Garden Township, York County, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application April 18, 1944, Serial No. 531,529
2 Claims. (Cl. 74—22)



1. In means for imparting retilinear and rotary movements to a member having a shaft provided with a threaded portion, a worm wheel sector having a hub formed with an internal threaded portion mounted on the threaded portion of said shaft for moving said shaft and said member rectilinearly when said worm wheel sector is rotated, a second worm wheel sector fixed to said shaft for rotating said shaft and said member when said second worm wheel sector is rotated, an operating shaft having a worm thereon, the longitudinal center line of said worm being arranged at right angles to the longitudinal center line of the first shaft, worm gear teeth formed partly around the periphery of each said worm wheel sectors for meshing engagement with the teeth of said worm, the center of the radius of curvature of the throats of said teeth of both said worm wheels being a single point coinciding with the center of said worm, whereby the teeth of both said worm wheels have the same pitch diameter

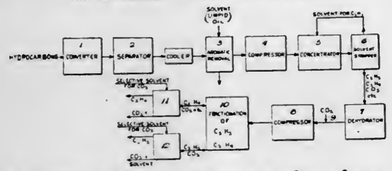
and are counterparts of a single worm wheel which has been divided or split in a plane at right angles or perpendicularly to the axis of the worm wheel, the arrangement of the teeth of said first worm wheel sector with respect to the arrangement of the teeth of said second worm wheel sector being such that when the member and its shaft are in one position the teeth of said first worm wheel will be in meshing relationship with the teeth of the worm and the teeth of said second worm wheel will be out of meshing relationship with the teeth of the worm whereby at the initiation of rotation of said worm said first worm wheel will be operated to effect a rectilinear movement to said shaft and said member without imparting a rotary movement thereto, means frictionally engaging said second worm wheel sector for holding said second worm wheel sector stationary during the initial operation of said first worm wheel sector, means carried by said first worm wheel sector and engageable with said second worm wheel sector when said first worm wheel sector has been turned through a predetermined arc for moving said second worm wheel sector into position whereby the teeth of said second worm wheel sector are brought into meshing relationship with the worm teeth whereby said second worm wheel sector is turned by said worm to thereby impart a rotary movement to said shaft and said member, said first worm wheel sector continuing in mesh with said worm during rotation of said second worm wheel sector, and means for limiting the amount of rotation imparted said shaft and said member by said second worm wheel sector.

2,383,550
MEASURING DEVICE
Walter Homan and Roger S. Hull, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 21, 1942, Serial No. 439,912
10 Claims. (Cl. 177—311)



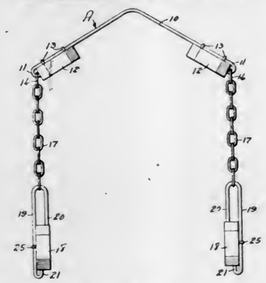
1. In a device for gauging the strength of springs, a glow-discharge tube, a floating switch member having a plurality of switch contacts, one of said contacts being in circuit with the glow-discharge tube and the other switch contacts being in a circuit by-passing the glow-discharge tube, a plurality of stationary switch members cooperable with said contacts, two springs of different strength supporting said floating switch member at opposite ends of the latter, and means to guide a spring being gauged into contact with the switch member at a point intermediate the switch contacts so that the switch contact is actuated by the spring under test to cause the first-named one of said contacts on the floating switch member to make contact with one of the stationary switch members when the spring under test exceeds a minimum of acceptable strength to cause the glow-discharge tube to glow, and to cause the second-named one of said contacts on the floating member to make contact with another stationary switch member when said spring under test exceeds a maximum of acceptable strength to cause the glow-discharge tube to become extinguished.

2,383,551
SEPARATION OF ACETYLENE FROM GASEOUS MIXTURES
Robert M. Isham, Okmulgee, Okla., assignor to Danciger Oil & Refineries, Inc., Fort Worth, Tex., a corporation of Texas
Application October 21, 1941, Serial No. 415,975
15 Claims. (Cl. 62—175.5)



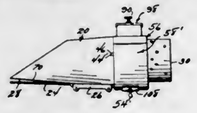
1. A method of separating acetylene from ethylene from a gas mixture containing them which comprises partially liquefying the gas in the presence of added carbon dioxide, fractionating the partially liquefied gas to recover an overhead gaseous fraction containing the ethylene and carbon dioxide and a liquid fraction containing the acetylene and carbon dioxide.

2,383,552
HARNESS
Ernest S. Jefferson, Belhaven, N. C.
Application January 12, 1945, Serial No. 572,466
4 Claims. (Cl. 54—38)



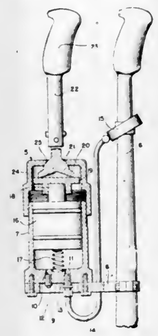
1. An article of the kind described, comprising a back strap formed from rigid material and having hook end provided with bills, and bearing blocks slidably fitted to the strap next to the bills and cooperating therewith for the opening and closing of their hooks.

2,383,553
ELECTRICAL PICKUP FOR WIND INSTRUMENTS
Alfred Johnson, Buffalo, N. Y.
Application February 21, 1944, Serial No. 523,337
10 Claims. (Cl. 84—383)



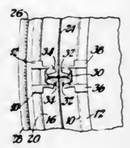
1. In a musical instrument mouthpiece having an air passage, the combination of a reed operatively associated with the air passage, a vibrator carried by said mouthpiece and operatively engaging said reed, a magnet having poles, connected windings on said poles, an armature fixed to said vibrator and located in the magnetic fields of said poles for translating reed vibrations into electrical oscillations for reproduction, and output terminals connected to said windings.

2,383,554
FORCE MEASURING DEVICE
Frank Krickler, Cleveland, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 23, 1944, Serial No. 523,774
10 Claims. (Cl. 73—133)



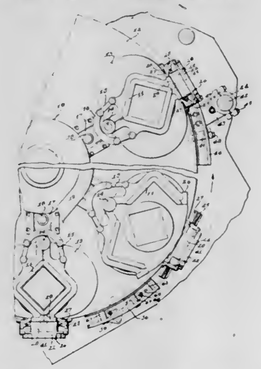
1. A device for measuring the force applied to a universally-mounted control member to move the latter to a predetermined position, said device including a cylinder which is carried by said member and which contains a body of hydraulic fluid, a piston in said cylinder, a universally mounted lever carried by said cylinder to which said force is applied, said lever being movable relatively to said control member in a direction and to a degree which correspond to the direction and amount of force required to move said control member to said position, means responsive to the relative movement of said lever for actuating said piston to apply pressure to said fluid, and an indicator responsive to such pressure.

2,383,555
LIQUID-SEALED FLUID STORAGE APPARATUS
Wilbur G. Laird, Pleasantville, N. Y.
Application June 11, 1943, Serial No. 490,447
9 Claims. (Cl. 48—176)



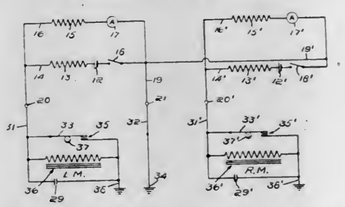
1. In an upright cylindrical expansion-roof storage container for liquids and gases in which a cylindrical depending skirt of a bell-type roof seals in an annular launder on the periphery of the container, and in which the launder comprises inner and outer walls subject to the hydrostatic head of sealing liquid therein for sealing said roof, an improved means for supporting the inner wall and preventing its collapse inward, comprising a plurality of staying means at distributed positions around the launder, the staying means at each position including a substantially vertically-mounted straight flanged track along each side of said skirt and fastened thereto, the tracks at each position being substantially opposite each other, and track-engaging members attached to each wall at each position to engage the flange of the adjacent track, said track-engaging members being arranged so that they engage the faces of the flanges of said tracks adjacent to the skirt in a manner to act as wall-stays while permitting free vertical movement of said tracks.

2,383,556
MOLD LOCK
Harry M. Louden, Columbus, Ohio, and Cecil W. McCreery, Muncie, Ind., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application June 3, 1942, Serial No. 445,580
15 Claims. (Cl. 49—14)



1. A press molding machine comprising a mold carriage mounted for rotation about a vertical axis, a mold on said carriage comprising partible sections, a pair of mold clamping arms pivotally mounted on the carriage for swinging movement to and from a mold clamping position, a stationary cam, means actuated by the cam during the travel of the mold carriage to swing said clamping arms to mold clamping position, and means cooperating with the cam to lock said arms in mold clamping position and hold them locked after they have been carried beyond the control of said cam.

2,383,557
TEST METER FOR MAGNETOS
Donald F. McClellan and Henry Chasen, Boston, Mass.
Application August 24, 1943, Serial No. 499,764
1 Claim. (Cl. 177—311)



A test meter of the character described comprising a portable container housing test circuits for simultaneously indicating the times at which the breaker points of a pair of magnetos are respectively opened, each circuit including a 1.5 volt dry battery, a resistor for maintaining low capacity in said circuit, an indicator sensitive to weak direct current, and a switch for closing each circuit independently of the other, the respective circuits being connectable in parallel to each of a pair of magnetos having a grounded, uninterrupted primary and grounded breaker

points, the container having a common terminal for a wire leading from the batteries of both test circuits to ground and separate terminals for wires leading from a point in the respective test circuits between the resistor and the indicator thereof to the breaker arms of the respective magnetos, so that, when said wires are connected and the switches are closed, each indicator shows a minimum indication while the breaker points of the tested magneto are closed, a maximum indication immediately upon the opening of said points, and an intermediate indication if the closed points are pitted or dirty.

2,383,558

WOOD DIGESTION RESIN-ALDEHYDE CONDENSATION PRODUCT

Robert W. Martin, Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 5, 1941, Serial No. 421,775
14 Claims. (Cl. 260—25)

1. The method of making a condensation product which comprises heating a wood digestion resin with an aldehyde in the presence of a condensation catalyst, said wood digestion resin being the resin product produced by heating a ligneous wood and a material selected from the group consisting of natural resin acids and materials containing natural resin acids, with water in amount sufficient to substantially completely submerged the wood under superatmosphere pressure at a temperature within the range of about 240° C. to about 330° C. until the cellular structure of the wood has disappeared and recovering said resin as the residue remaining after removal of the water solution.

2,383,559

AIRPLANE LAUNCHING DEVICE AND CARRIER

Henry C. Parker, Washington, D. C.

Application January 17, 1942, Serial No. 427,196
11 Claims. (Cl. 244—63)



1. In combination, an air-craft carrier, supplied with airplanes and having an upper landing deck, and a wind tunnel sufficiently large in cross section to permit passage of an airplane therethrough, said wind tunnel being at least partly below said landing deck and being provided with a take off runway forming the bottom of the tunnel, and means associated with the wind tunnel for supplying a tail wind to said airplanes during take off.

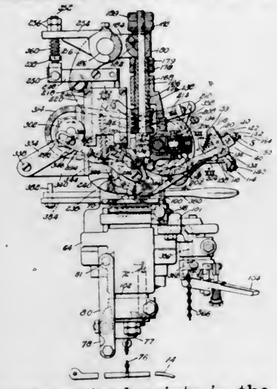
2,383,560

STRIP APPLYING MACHINE

Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 31, 1943, Serial No. 496,862
64 Claims. (Cl. 12—20)

1. In a machine for adhesively applying flexible strips to work pieces, means for pressing the strip against the work, means carried by the pressing means for restricting the formation of



folds to predetermined points in the strip as it is applied, and means for flattening the folds so formed.

2,383,561

PROCESS FOR ISOLATING CHEMICAL COMPOUNDS FROM MATERIALS OF NATURE

Harold G. Petering, Metuchen, N. J., and Paul W. Morgal, East Lansing, Mich., assignors to The Michigan State Board of Agriculture

No Drawing. Application March 14, 1941, Serial No. 383,450
11 Claims. (Cl. 260—666)

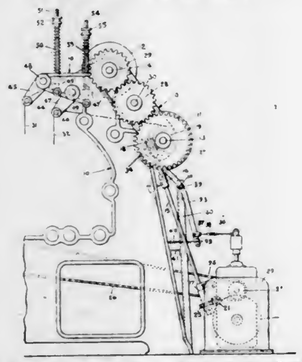
1. Process for obtaining a product containing unsaponifiable constituents which comprises extracting plant tissue of low lipoid content with a water-miscible lower molecular weight organic solvent of the class consisting of ketones and alcohols, reacting said extract with barium hydroxide while maintaining the ratio of organic solvent to water on the order of 90% to 80% of solvent to 10% to 20% of water thereby effecting a precipitation of saponifiable constituents, separating the solution from the precipitate and increasing the water ratio in said solution to thereafter precipitate the unsaponifiable constituents.

2,383,562

BEAM LETOFF

Brian Plunkett, Cumberland, and Robert C. Scheib, La Vale, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application December 29, 1942, Serial No. 470,474
4 Claims. (Cl. 66—86)



4. In a textile operation, the step of positively and simultaneously unwinding yarn from two

operatively connected, rotating yarn packages at a fixed and unvarying linear ratio, one package having a core radius of a and a full radius of B and the other package having a core radius of r and a full radius of R, r being equal to

$$a\sqrt{\frac{b^2-a^2}{B^2-a^2}}$$

and R being equal to

$$B\sqrt{\frac{b^2-a^2}{B^2-a^2}}$$

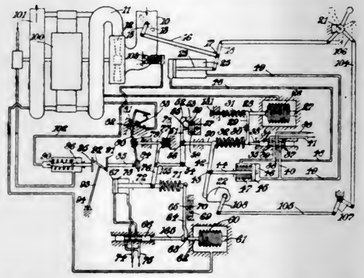
and b being equal to the radius of a full yarn package obtained by winding that quantity of yarn yielding radius R on a core of radius r on to a core of radius a.

2,383,563

FUEL CONTROL DEVICE FOR INTERNAL-COMBUSTION ENGINES

Cyril Alphonso Pugh and Douglas Gerhard Booth, Ilford, and Percival John Jarvis, East Ham, London, England, assignors to The Plessey Company Limited, Ilford, England, a British company

Application August 10, 1943, Serial No. 498,088
In Great Britain August 25, 1942
10 Claims. (Cl. 123—119)



1. A fuel-regulating system for internal-combustion engines comprising in combination a conduit in which changes of intake air pressure occur, a pressure sensitive element subjected to such pressure changes and having a part movable in accordance therewith, a servo motor, a pilot valve which serves to control the supply of driving fluid to the servo motor and which is coupled to the movable part of said pressure sensitive element, means operated by the servo motor to restore the inlet air pressure so that the movable part of the pressure sensitive element is restored thereby to its initial position after disturbance of that position has occurred by a change in pressure, a spring of known rate applying pressure directly to the pilot valve, a linkage coupling the latter to the movable portion of the pressure sensitive element in such manner that the force exerted by the pressure sensitive element due to intake air pressure acting upon it will be balanced by the spring, an adjusting member for varying the pressure of the spring, a throttle control element for operating the spring adjusting member, a fuel regulating valve and an operative connection between the spring adjusting member and the fuel regulating valve whereby any adjustment of the spring adjusting member imparts also adjustment to the fuel regulating valve, a second pressure sensitive element subjected to variation in exhaust back pressure and means operatively connecting a movable part of that element to a portion of the operative connection between the spring adjusting member and the fuel-regulating valve in such manner that an adjustment proportional to the exhaust back pressure is applied to the linkage connecting the intake air-pressure spring adjusting member to the fuel-regulating valve in such manner to modify the position of the fuel-regulating spring adjusting member.

2,383,564

INSECTICIDAL COMPOSITIONS

Anderson W. Ralston, John P. Barrett, and Miles R. McCorkle, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application August 16, 1941, Serial No. 407,222
6 Claims. (Cl. 167—22)

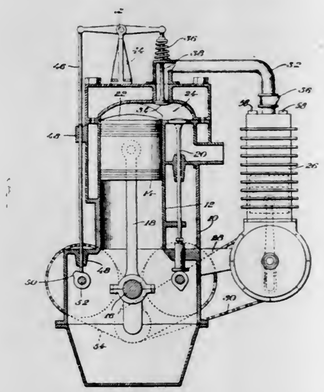
1. A process for treating insect infected areas comprising applying to said areas beta-hydroxyethylalkylamine wherein the alkyl group contains at least six carbon atoms.

2,383,565

ENGINE

Herbert W. Rose, Cristobal, C. Z.

Application October 12, 1942, Serial No. 461,741
2 Claims. (Cl. 123—143)



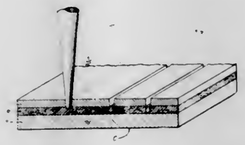
1. In combination with an internal combustion engine having a combustion chamber, valve controlled fuel intake and exhaust ports opening into the combustion chamber and a piston driven crankshaft, said combustion chamber having an air inlet opening thereinto, of a spring seated valve for controlling the passage of air into the chamber, cam operated rocker mechanism for maintaining the air control valve open during a predetermined period of the operating cycle, an air compressor mounted adjacent the engine having inlet and outlet ports in the top thereof, a conduit connecting the outlet of the compressor with the air inlet in the combustion chamber, a vertically movable piston mounted in the compressor, a shaft for driving the compressor piston, a sprocket wheel fixed to the compressor shaft, and a sprocket wheel fixed on the engine crankshaft connected with the sprocket wheel of the compressor by a drive chain, said sprocket mechanism being adapted to actuate the compressor piston so as to deliver a charge of compressed air into the compression chamber of the engine in timed relation with the opening of the air inlet valve.

2,383,566
PHOTOMECHANICAL NEGATIVE
Benjamin Rudnick, Huntington, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application February 13, 1943, Serial No. 475,786
8 Claims. (Cl. 41—46)



1. A photo-mechanical negative for reproducing designs, comprising: a transparent, plastic, backing member; an opaque first layer of a metallic lacquer prepared of a mix of finely ground aluminum powder in nitro-cellulose lacquer to form a thick paste subsequently thinned with a mixture of solvents to a suitable consistency for application over the plastic backing to form a readily-brushable, opaque and pulverulent layer; and a second layer of an opaque, metallic, lacquer overlying the first layer, said opaque layers constituting a masking material for the plastic backing member and being of a thickness and composition such as to be readily penetrable by a stylus.

2,383,567
METHOD OF MAKING NEGATIVES FOR LINE REPRODUCTION
Benjamin Rudnick, Huntington, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Original application May 21, 1941, Serial No. 394,403. Divided and this application February 13, 1943, Serial No. 475,787
11 Claims. (Cl. 41—46)



1. The method of making a negative for line reproduction consisting of providing a transparent backing sheet with an opaque, frangible undercoat, applying an outer coat thereto, delineating a design to be reproduced by scribing the lines representing the design in the form of grooves extending through said outer coat, and removing those portions of the undercoat in alignment with the aforesaid grooves thereby exposing corresponding portions of the transparent backing sheet.

2,383,568
LIGHT STENCIL AND METHOD OF MAKING SAME
Benjamin Rudnick, Huntington, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application May 10, 1943, Serial No. 486,291
11 Claims. (Cl. 41—46)



1. A blank for the preparation of a light-stencil, comprising: a transparent clear plastic sheet; a first coat of a cellulose acetate base lacquer thinned in suitable solvents and mixed with aluminum dust and spread in a liquid state over said backing member; and a second scribable coating of a light-colored lacquer overlying said first coat; the formulation of said first coat being such, that, upon evaporation of the solvents, said cellulose acetate base lacquer becomes an integral part of the plastic sheet, while the released aluminum dust forms a readily removable, opaque and dark-colored masking film evenly overlying said lacquer-coated backing sheet.

2,383,569
MANUFACTURE OF ADHESIVE COMPOSITIONS
Kenneth Charles Roberts, Welwyn Garden City, England, assignor to The British Rubber Producers' Research Association, London, England, a body corporate of Great Britain
No Drawing. Application January 5, 1943, Serial No. 471,366. In Great Britain April 13, 1942
6 Claims. (Cl. 260—768)

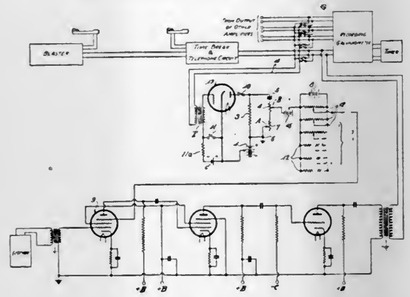
1. A process for the manufacture of adhesive compositions resistant to mineral oils which consists in simultaneously reacting rubber with maleic anhydride and a saturated monohydric aliphatic alcohol having from 2 to 6 carbon atoms, the said reactants having approximately the ratio of 2:1:4 in the presence of an organic peroxide catalyst at a temperature between 70° C. and 150° C.

2,383,570
HYDROCARBON RESISTANT, LIGHT PRESSURE SEALING GASKET STRUCTURE
David M. Sellew, Auburn, Ind.
Application November 23, 1942, Serial No. 466,615
1 Claim. (Cl. 288—23)



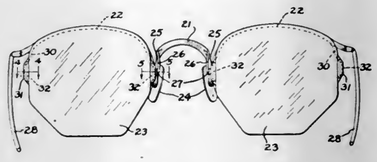
A sealing ring-like gasket of solvent resistant, rubber-like material and adapted for rotation and for inclusion between two ring arranged confronting comparatively smooth faces of two threaded members connectible by relative rotation therebetween whereby the faces approach each other, one member having a portion extending into the other, said gasket comprising an annular comparatively flat body portion having appreciable resistance to low pressure compression and having a radial width not less than three times the thickness for surrounding the extending portion of the one member and through which the extending portion projects when threaded into the said other member, said flat body portion of the ring having a central tapered aperture and the one member confronting face being roughened, and a plurality of integral annular rib means projecting from the other face of the body portion for member face engagement and readily yieldable under a comparatively low pressure, said rib means being concentric with the axis of rotation and spaced one from the other, said gasket initially sealing for temporary use by comparatively low pressure compression and by rib means flattening and finally sealing for semi-permanent use by comparatively high pressure compression of the flat body portion exerted solely between the member faces incident to member rotation, said gasket also being subject to rotational distortion incident to the member rotation.

2,383,571
GAIN CONTROL FOR SEISMOGRAPH AMPLIFIERS
Earley M. Shook, Washington, D. C., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Continuation of application Serial No. 188,067, February 1, 1938. This application April 15, 1943, Serial No. 483,212
14 Claims. (Cl. 177—352)



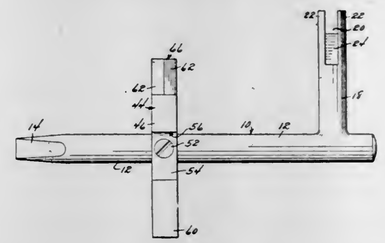
1. Apparatus for making records of seismic waves generated at a shot-point and received at a station remote therefrom, comprising a seismometer at the said station adapted to convert said waves into electro-motive-forces of voltages indicative of the amplitude and in sympathy with said waves, an amplifier for magnifying said voltages, a galvanometer-recorder for recording the same in respect to time intervals, and means responsive only once during the receipt of said waves to an amplifier output above a predetermined minimum value, to reduce the gain of said amplifier, and means to gradually return said gain to normal over a period of the order of the duration of the waves.

2,383,572
LENS MOUNTING
Edward M. Splaine and Lawrence A. Severy, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 1, 1943, Serial No. 474,310
4 Claims. (Cl. 88—41)



1. A lens supporting structure for supporting the lenses of an ophthalmic mounting, said lenses having substantially parallel edge surfaces on the nasal and temporal sides thereof with each of said surfaces having a protrusion thereon, said lens supporting structure comprising a bridge member, relatively long and slender bar-like portions extending outwardly of the opposite sides of said bridge member and shaped to follow substantially the upper contour shape of the lenses and each terminating in a portion extending outwardly and rearwardly of said lenses to a temporal end to which a temple is pivotally connected when the supporting structure is assembled with said lenses, lens holding means secured to the lens supporting structure adjacent the opposed sides of the bridge member and disposed in the direction of the adjacent edges of the lenses, said lens holding means having a recessed portion adapted to receive the respective protrusions on the nasal sides of the lenses and to assume a relatively intimate fit about the contour of said protrusions, said long and slender bar-like portions each having a depending resilient adjustable arm portion extending downwardly from adjacent the temporal end thereof with the lower end of each of said depending adjustable arm portions having lens holding means thereon, said lens holding means extending in the direction of the adjacent edges of the lenses and having a recessed portion adapted to receive the protrusions on the temporal sides of said lenses and being adapted to assume a relatively intimate fit with the contours of said protrusions, said lens holding means, when in assembled relation with the lenses, being in substantially parallel relation with each other and each having surface portions adapted to engage the adjacent side surfaces of the lenses.

2,383,573
CLOSURE PLUG WRENCH
Frank J. Tomsek, Detroit, Mich.
Application March 18, 1943, Serial No. 479,647
1 Claim. (Cl. 81—71)

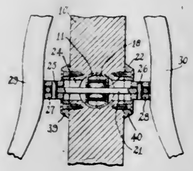


In a wrench of the type described, an elongated cylindrical body bar having an arm projecting transversely therefrom adjacent one end, a flat elongated bar having a circular opening medially of its ends slidably mounted in transverse arrangement on the body bar and provided with a recess in its side adjacent the opening, a set screw at the bottom of the recess to engage the body bar to fix the flat bar thereon, and a flattened head portion formed at one end of the flat bar and tapering outwardly and having V-shaped end portions at each end thereof, the base of the head being of less width than the width of the flat bar to form shoulders.

2,383,574
LATCH FOR HOSPITAL DOORS AND THE LIKE
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application November 17, 1943, Serial No. 510,622
1 Claim. (Cl. 292—170)

A door latch comprising a case, a bolt reciprocably mounted therein and normally projecting from the edge of the door, an operating bar slidably mounted in the case for movement in the direction of its length and transversely of the bolt, said bar being operatively connected to

the bolt to retract the same when moved longitudinally in either direction and extending outwardly through the face of the door, a handle having one end pivoted to the door to swing toward and from the face thereof and having a post intermediate its ends which projects toward the door, said bar being pivoted to said post



whereby movement of the handle moves said bar transversely of the bolt to retract the latter, the door having an opening to receive said post, and the free end of said handle being spaced from the door for manual engagement at either the inner or outer side thereof to facilitate movement of the handle either toward or from the door.

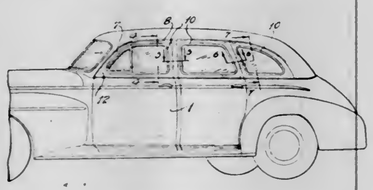
2,383,575

AUTOMOBILE DOOR AND BODY ORNAMENTATION

James H. Wernig, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 11, 1941, Serial No. 410,429

8 Claims. (Cl. 296—44)



1. In automobile body construction, a sheet metal door having outer and inner panels having the edges of the outer panel folded over the edges of the inner panel at the top around the door window opening to form a door overlap flange, an ornamental scalp frame removably and slidably tenoned over said flange for trimming the outside of the door around the window opening, said frame surrounding the entire window opening and secured in place by the tenon engagement over the door overlap flange.

2,383,576

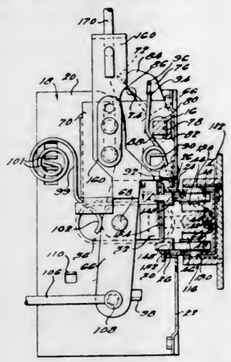
DOOR LATCH CONSTRUCTION

William R. Wiley, Birmingham, Mich.

Application October 2, 1941, Serial No. 413,265

11 Claims. (Cl. 292—252)

1. A door latching mechanism comprising a supporting means, a housing on said supporting means having an opening through one wall thereof, a plunger slidably mounted on said supporting means and having one end thereof projecting into said housing, said projecting end being formed with a pair of adjacent flat cam portions on one surface thereof, a movable ball member disposed to engage said cam portions adjacent said opening, the construction and arrangement of said portions, said ball member and said opening with respect to each other being such that said ball may be projected through and permitted to withdraw from said opening through the dis-



position of the cam surfaces with respect to the ball member upon sliding movement of said plunger with respect to said housing.

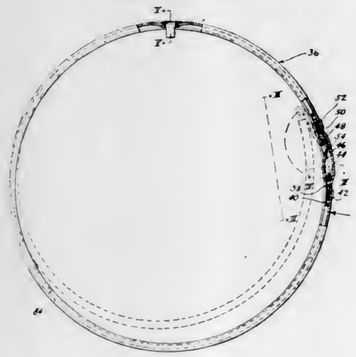
2,383,577

METAL RING

Charles E. Zarth, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application September 2, 1942, Serial No. 456,969

3 Claims. (Cl. 152—400)



1. An expansible and contractible metal ring comprising a ring body formed with a substantially transverse split, a link, means pivotally securing the link at one end to the radially inner side of the ring body adjacent one end of the split, and means pivotally securing the link at its other end to the radially inner side of the ring body on the other side of the split and at a point spaced substantially the length of the link from the split, said ring body having a radially outwardly pressed pocket receiving the link.

2,383,578

CAR UNDERFRAME

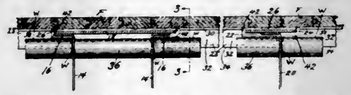
Joseph C. Abel, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application September 30, 1942, Serial No. 460,191

5 Claims. (Cl. 105—414)

1. In a car underframe the combination of spaced side sills, a center sill, bolster and cross bearer members connecting said sills together,

stringers of angular cross-section located between said bolster and cross bearer members and extending longitudinally of the underframe and adapted to support a car floor, and means securing said stringers to said bolster and cross bearer members, said means having their longitudinal



axes located to one side of the longitudinal axes of said stringers and being rotatable relative to said stringers and members prior to being secured thereto whereby minor adjustments may be made in the height and transverse location of said stringers with relation to said members.

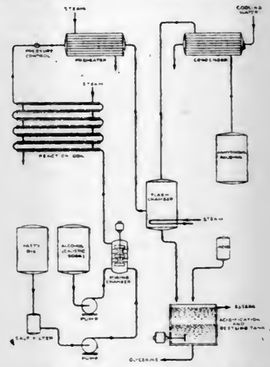
2,383,579

PROCESS FOR TREATING FATS AND FATTY OILS

Harold Dwaine Allen, Glen Rock, and William Ashley Kline, Morris Plains, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Application March 30, 1943, Serial No. 481,080

18 Claims. (Cl. 260—410.9)



2. The process which comprises heating a fatty glyceride with a monohydric alcohol having one to about six carbon atoms per molecule in the presence of an alcoholysis catalyst at a temperature above the normal boiling point of said alcohol and at a pressure sufficient to maintain a substantial proportion of said alcohol in a liquid phase, thereby providing a liquid body containing monohydric alcohol esters and glycerine; and separately recovering said esters and glycerine.

2,383,580

TREATING FATTY MATERIALS

Clarence Joseph Arrowsmith, New York, N. Y., and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application March 20, 1943, Serial No. 479,882

15 Claims. (Cl. 260—410.9)

1. The process which comprises reacting a fatty glyceride with a low molecular weight monohydric alcohol in the presence of an alcoholysis catalyst to provide a liquid body containing glycerine and esters of fatty acids from said glyceride with said alcohol, removing the influence of the catalyst, volatilizing unreacted alcohol from said liquid body, and thereafter separating the said esters from the glycerine.

2,383,581

PROCESS FOR PREPARING FATTY MATERIALS

Clarence Joseph Arrowsmith, New York, N. Y., and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 6, 1943, Serial No. 485,890

19 Claims. (Cl. 260—410.7)

1. The process which comprises reacting a polyhydric alcohol with a fatty material of the group consisting of fatty acids having about twelve to about twenty carbon atoms per molecule and esters thereof in the presence of an alcoholysis catalyst and in the absence of extraneous solvent to provide a liquid body containing a fatty acid partial ester of a polyhydric alcohol; removing the influence of the catalyst; and recovering said fatty acid partial ester as a distillate.

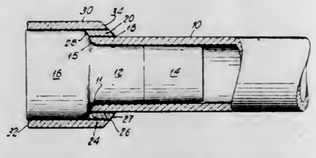
2,383,582

MANUFACTURE OF BELL-END PIPE

Ralph L. Barbehenn, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application December 22, 1943, Serial No. 515,281

4 Claims. (Cl. 154—2)



1. The method of manufacturing a bell end pipe of hardened compressed fiber-cement composition which comprises, forming straight sections of green uncured pipe of predetermined wall thickness, building up the outside diameter of one end of a freshly formed green pipe section to the inside diameter of a bell end by applying a coating of cement slurry to the outer periphery of said pipe end and wrapping a narrow strip cut from green pipe stock tightly around the coated end of the pipe, forming a bell end extension of the built up pipe end by applying an aqueous cement slurry coating to the exposed outer surface of the strip wrapping, wrapping a second strip cut from green pipe stock and having a width substantially equal to the width of the first strip plus the length of the bell about the first strip, with its rearward edge overlapping the rearward edge of the first strip and with its forward edge extending forwardly of the pipe end to form the bell, chamfering and splicing the ends of the wrapping strips with cement slurry to form longitudinal scarf joint seams, and curing the bell end pipe sections thus formed.

2,383,583

FOOT CORRECTIVE APPLIANCE

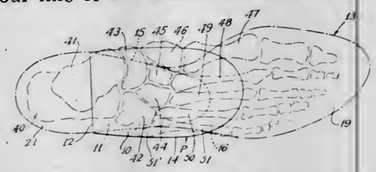
Morris L. Becker, Chicago, Ill.

Application January 8, 1943, Serial No. 471,742

2 Claims. (Cl. 36—71)

1. A foot corrective appliance to be worn in a shoe, comprising a pad adapted to be placed above the shank part of the sole of the shoe so as to cover this shank part at all points, said pad having a central longitudinal section substantially in the shape of a triangle and cross-sections in the shape of trapezoids with the shorter of the two parallel sides having a length substantially equal to the width of the corresponding portion of the

shank of the shoe and the longer of the two parallel sides extending considerably beyond the contour line of the corresponding portion of the



shank of the shoe, the extending portion of said pad on the outer side when in use underlying the base of the fifth metatarsal bone and providing a transverse level support therefor.

2,383,584

METHOD OF FLANGING BIMETALLIC PLATE

Guy C. Beishline, Berwick, Pa., and Charles F. Walp, Buffalo, N. Y., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 21, 1941, Serial No. 375,282

5 Claims. (Cl. 29—148)

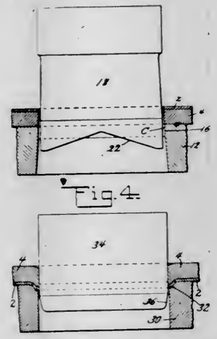


Fig. 4.

1. The method of providing a hard surfaced integral flange on a bimetallic plate having a hard surface backed up by a relatively softer metal, which consists in punching an opening in the plate by moving a slug of metal from the hard surface through the softer backing metal, and then forming the flange by forcing a swaging tool through the opening toward the hard surface simultaneously compressing the softer metal forming the sides of the opening and moving the same toward the hard surface to bend the latter outwardly and form the flange.

2,383,585

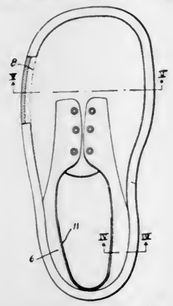
SHOE CONSTRUCTION

Joseph Bindner, Danville, Ill., assignor, by direct and mesne assignments, of one-half to Willard A. Andrews, Chicago, Ill., and one-half to Morris L. Andrews, St. Louis, Mo.

Application October 9, 1944, Serial No. 557,748

1 Claim. (Cl. 36—16)

A shoe construction comprising an outsole having a downwardly and outwardly beveled top perimetric portion forming an obtuse angle with the top surface of the outsole and extending inwardly of and alongside in spaced relation to the periphery of the outsole, said outsole also having a marginal lip portion extending inwardly and overhanging a substantial portion of said top perimetric portion in spaced relation therefrom and cooperating therewith to form an inclined groove having spaced opposed side walls which are substantially parallel to each other and extend below the top surface of said outsole, an upper having a margin therearound, an insole having a margin of uniform thickness common with said upper and secured thereto and fitted in said groove, the lower surface of said insole cemented to the top surface of said outsole, the common margin fitted in said groove having its



lower surface cemented to the beveled top perimetric portion of the outsole, and the top surface of said common margin cemented to said overhanging marginal lip portion of the outsole, whereby the common margin of the upper and insole lies within the groove and does not substantially change the parallel relationship of the spaced opposed side walls thereof.

2,383,586

NOVEL ISOMERIZATION PROCESS

Forrest H. Blanding, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 4, 1942, Serial No. 457,315

6 Claims. (Cl. 260—683.5)

5. A process which comprises isomerizing at least one normal paraffin containing at least 4 carbon atoms per molecule in the vapor phase by passing said paraffin through a catalyst bed of aluminum chloride sorbed in a porous carrier, the aluminum chloride concentration substantially uniformly increasing from between 1.5 and about 4.0 weight per cent of the porous carrier at the feed inlet side of the bed to between about 8 and about 16 weight per cent of the porous carrier at the outlet side of the bed, and carrying out the isomerization in the presence of promotional amounts of a halogen-containing promoter under isomerization reaction conditions.

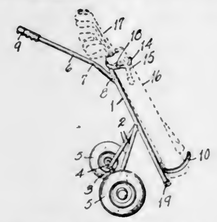
2,383,587

CART FOR GOLF BAGS AND THE LIKE

Nolan E. Boughton, Three Rivers, Mich.

Application November 29, 1943, Serial No. 512,199

8 Claims. (Cl. 280—53)



1. A cart for golf bags and the like comprising a tubular bar-like body member, downwardly di-

verging rearwardly inclined axle struts welded to the under side of said body member intermediate the ends thereof, an axle carried by said struts and provided with wheels disposed at the outer sides of the struts, said axle constituting a cross piece for the lower ends of the struts, a handle welded to the under side of the body member in spaced relation from the upper end thereof, said handle projecting upwardly and rearwardly from its welded connection with the body member and provided with a hand piece, a laterally facing curved arm-like bottom holder welded to the upper side of said body member adjacent to but substantially spaced from the lower end thereof, and a top holder provided with a stem engaged in the upper end of said body member and comprising oppositely extending curved arms, one of said arms being substantially longer than the other and terminating in an upwardly facing hook adapted to engage the handle of a golf bag arranged within the holders, said holders being disposed mainly on one side of the vertical plane of the body member whereby the golf bag is also disposed mainly on one side of said vertical plane.

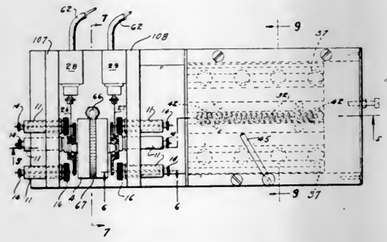
2,383,588

BALANCING MACHINE

Samuel Bousky, Shaker Heights, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio

Application November 20, 1942, Serial No. 466,265

6 Claims. (Cl. 73—66)



1. In a testing device for rotors, controllable means for rotating the rotor to be tested, separate bearing assemblies each including a plate and anti-friction bearings carried therein for receiving and supporting each end of the axle of the rotor, separate supporting standards on either side of said rotor, separate cantilever suspension means for suspending each of said plates including a plurality of cantilever members disposed at right angles to said plate and connected at their inner ends to said plate and at their outer ends to said adjacent standard with radial clearance in the latter for the main body of the cantilever members for maintaining said bearing assemblies substantially parallel to each other so as to permit movement of said cantilever members in said standards and movement of each bearing assembly independently of movement of the other cantilever member and bearing assembly in any direction within the planes at right angles to the axis of rotation of the rotor, separate means connected to each of said bearing suspension means adapted to be driven thereby in planes at right angles to the axis of the rotor in response to a state of unbalance thereof for setting up electrical voltages in response to movements of each of said bearing suspension plates and means for amplifying said voltages and for indicating the amount of unbalance of said rotor and means controlled by said voltages for indicating the location of unbalance of the rotor.

2,383,589

FERROUS METAL ICE TRAY

Albert L. Bunting, Dearborn, and Arthur C. Schultz, Detroit, Mich.; said Schultz assignor to said Bunting

No Drawing. Application March 6, 1942, Serial No. 433,629

4 Claims. (Cl. 62—108.5)

1. A ferrous metal ice tray for receiving materials to be frozen, said tray possessing on its material contacting surfaces an adherent protective coating comprising an iron phosphate and thereover a moisture repellent baked enamel-like flexible, adherent and abrasion resistant layer containing titanium dioxide and the combined polymerization products of an alkyd resin, a urea formaldehyde resin and a melamine formaldehyde resin.

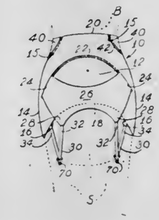
2,383,590

UNDERGARMENT

Harry Collins, New York, N. Y.

Application June 5, 1942, Serial No. 445,908

4 Claims. (Cl. 2—43)



1. An undergarment adapted to encircle the waist, hips and thighs of the wearer, comprising a front portion and a rear portion, the front portion comprising a pair of imperforate continuous panels extending across the front of the garment substantially from side to side thereof, said panels being slidable laterally with respect to each other, one of said panels overlying the other thereof, one of said panels being apertured at each side thereof, extensions from the other panel passing through the apertures in the first panel.

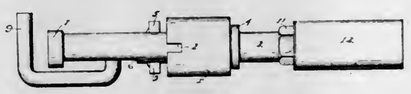
2,383,591

WELDER'S CLAMP

Ray L. Cox, Mesa, Ariz.

Application December 29, 1943, Serial No. 516,111

4 Claims. (Cl. 113—99)



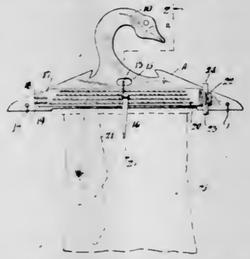
1. A welder's clamp comprising a stationary sleeve, a tubular housing rotatably and slidably mounted in said sleeve, coacting means on the housing and sleeve for releasably securing the former against rotation relative to said sleeve, a stationary inner jaw on one end portion of the housing, a rod mounted for longitudinal sliding adjustment in the housing, an adjustable outer jaw fixed on said rod and cooperable with the first-named jaw, said jaws for the reception of work therebetween, and means for longitudinally adjusting the rod relative to the housing to move the second-named jaw for clamping the work between the jaws.

2,383,592
QUILTED BED COVERING
Rebecca Davis, New York, N. Y.
Application March 8, 1944, Serial No. 525,803
3 Claims. (Cl. 5—334)



3. A rectangular bed covering including a casing having opposed walls permanently interconnected along three edges, said walls being interconnected along the remaining edge solely adjacent to the corners of the bed covering to provide an opening less than the width of the covering, for releasably retaining adjacent corner portions of a removable filler member, only one of said walls having two sheets of cloth with a soft filler material therebetween, the sheets of material being interconnected by a field of stitching coextensive with said wall so that the latter is quilted in structure, a removable filler member in the casing, said filler member having sheet elements and a soft filler element between the sheet elements, the said elements being interconnected by a field of stitching so that the filler member is quilted throughout, and releasable means at said opening comprising a series of closure portions detachably interengaging said opposed walls and a series of portions releasably engaging the adjacent edge portion of the filler member to anchor the filler member.

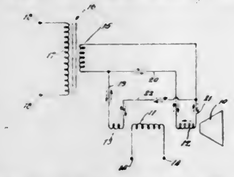
2,383,593
HANGER FOR WEARING APPAREL
Joseph Almund Deerfsun, Coney Island, N. Y.
Application March 27, 1943, Serial No. 480,729
1 Claim. (Cl. 223—91)



A non-metallic suspension device for all kinds of wearing apparel comprising a bi-partite body, hangers formed therewith and having the shape of an animal's neck and head, means to movably lock both parts of the body, and a board movably attached to said body by means of cords and equipped with a plurality of parallel, spaced rows of cords for the suspension of articles of wear.

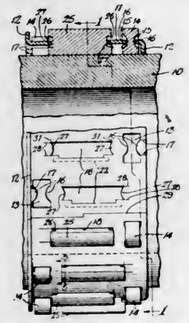
2,383,594
ELECTROMAGNETIC SOUND REPRODUCER
Walton De Verter, Chicago, Ill.
Application January 2, 1943, Serial No. 471,132
2 Claims. (Cl. 179—1)

1. In an electrodynamic sound reproducer, the combination of a field winding energized by unidirectional current to produce a magnetic field, a source of sound representing current, a dynamic coil connected across said source and disposed in said magnetic field, and a bucking coil disposed in said field and connected across said



dynamic coil in parallel relation thereto with respect to said source to form a local series circuit including said two coils, said bucking coil and said dynamic coil being of opposed polarity with respect to the inductive effect thereon of fluctuations in the strength of said magnetic field.

2,383,595
CLUTCH AND BEARING STRUCTURE
Adiel Y. Dodge, Rockford, Ill.
Application March 8, 1943, Serial No. 478,385
11 Claims. (Cl. 192—45.1)



1. A cage for bearings and the like comprising an annular ring of sheet material formed with openings in its periphery and having tongues projecting inwardly of the openings at the opposite ends thereof to engage and support a member fitting in the opening, the ring being slit adjacent the edges of one of the tongues whereby it can be bent out of the ring to permit insertion of the member in the opening.

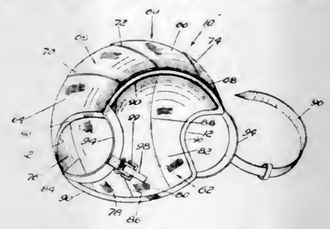
2,383,596
METHOD OF TREATING FATTY GLYCERIDES
Emil Edward Dreger, Summit, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application January 30, 1943, Serial No. 474,177
12 Claims. (Cl. 260—410.9)

1. The process which comprises reacting a fatty glyceride with a low molecular weight monohydric alcohol having at least two carbon atoms per molecule in the presence of methyl alcohol.

2,383,597
PROTECTIVE HELMET
Louis G. Feman, Jamaica, N. Y.
Application March 6, 1944, Serial No. 525,177
10 Claims. (Cl. 2—6)

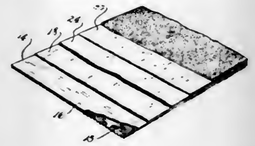
1. A helmet having a head-protective member comprising a plurality of concavo-convex plates

formed of impact-resisting material and assembled in side by side position in head covering relation, said plates being relatively movable and having their adjacent marginal edge portions in



overlapped relation for substantially the full lengths thereof, and means formed of flexible sheet material for holding said plates in said relatively movable overlapped relation.

2,383,598
DECORATIVE SURFACING MATERIAL
Alfred A. Glidden, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 28, 1939, Serial No. 311,376
5 Claims. (Cl. 154—47)



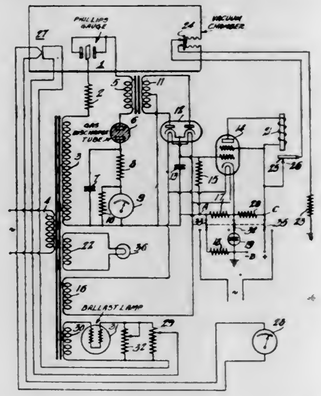
1. Adherent sheet material adapted to provide a finished surface of an article, said sheet material comprising an intermediate foundation layer of elastic vulcanized rubber composition, a layer of decorative material adhered to a face of said foundation layer, and a layer of pressure adhesive unvulcanized rubber composition at the other face of said foundation layer.

2,383,599
TREATING FATTY GLYCERIDES
Glenn Ashmore Glossop, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application October 17, 1942, Serial No. 462,371
13 Claims. (Cl. 260—410.9)

2. A process for the alcoholysis of fatty glycerides which comprises treating a fatty glyceride containing free fatty acid with a lower aliphatic monohydric alcohol at least partially immiscible with the fatty glyceride to form two phases, separating a fatty glyceride phase containing alcohol from an alcohol phase containing free fatty acid and adding an alcoholysis catalyst to said fatty glyceride phase to produce a reaction between the fatty glyceride and contained alcohol.

2,383,600
VACUUM GAUGE INDICATOR SYSTEM
Igor E. Grosdoff, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 24, 1942, Serial No. 448,254
3 Claims. (Cl. 175—183)

1. A vacuum gauge circuit responsive to different gas pressure ranges comprising an ionization type vacuum gauge device subjected to the gases to be measured, a source of alternating potential, a gas discharge device and a unidirectional current indicator all connected in series relation, and a capacitor connected in shunt with said indicator, said ionization device being ionizable and alternating current conducting for all except predetermined low gas pressure values



whereby a visible alternating current discharge occurs in said gas discharge device, and said ionization device providing rectification of said alternating potential at pressures lower than said predetermined values whereby said current indicator indicates said low pressure values, said capacitor substantially by-passing alternating currents around said indicator.

2,383,601
TREATING FATS AND FATTY OILS
Gerald Inman Keim, Newark, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application April 28, 1943, Serial No. 484,877
12 Claims. (Cl. 260—410.9)

2. The process which comprises treating a fatty glyceride containing free fatty acid with low molecular weight monohydric alcohol in the presence of an acidic esterification catalyst, thereafter reacting said fatty glyceride with low molecular weight monohydric alcohol in the presence of sufficient alkaline agent to neutralize any acid present and to provide an alkaline alcoholysis catalyst whereby a liquid body containing an ester of fatty acid from said glyceride with said alcohol and glycerine is produced, and recovering said ester and glycerine from said liquid body.

2,383,602
PROCESS FOR TREATMENT OF FATTY GLYCERIDES
Gerald Inman Keim, Newark, and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 4, 1943, Serial No. 478,008
17 Claims. (Cl. 260—410.9)

1. The process which comprises reacting a fatty glyceride with a low molecular weight monohydric alcohol in the presence of an alkaline alcoholysis catalyst to produce a liquid body containing esters of the alcohol with fatty acids from the glyceride, glycerine and unreacted alcohol;

volatilizing the unreacted alcohol from said body at a temperature such that said liquid body remains homogeneous during volatilization; and thereafter separating the esters from the glycerine.

2,383,603

CONDENSATION OF NITROALKANES WITH KETONES

Millard S. Larrison, La Fayette, and Henry B. Hass, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application May 29, 1942, Serial No. 445,014
8 Claims. (Cl. 260—644)

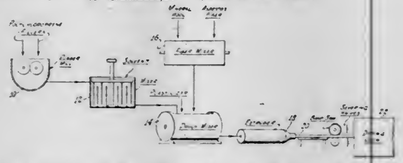
1. In a process for the condensation of a nitroalkane with a ketone of the group consisting of aliphatic ketones and alicyclic ketones to produce the corresponding dinitrohydrocarbon, the step which comprises effecting said condensation in the presence of in excess of 20 mole per cent of a secondary amine based on the weight of the nitroalkane at a temperature below room temperature for a period of time exceeding 12 hours, said amine having a basic dissociation constant in excess of 1×10^{-7}.

2,383,604

THERMAL INSULATION AND METHOD OF MANUFACTURE

George P. Leistensnider, Somerville, and Harry H. Rinehart, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application March 5, 1943, Serial No. 478,156
2 Claims. (Cl. 260—41)



1. A process for manufacturing plastic insulation suitable for extrusion molding which comprises, thoroughly mixing a binder comprising about 1 part by weight of rubbery polyvinyl resin with approximately ¼–½ part of a flameproofing plasticizer and with a solvent for said resin to produce a fluid cement comprising a colloidal gel-like suspension, admixing with the cement approximately 4 parts of mineral wool and amosite asbestos fibers in the proportions of about 2–3:1 by weight and working up the mixture to effect uniform coating of the fibers and distribution of the fibers throughout the mixture, and agitating the mixture to impart a plastic, putty-like consistency thereto.

2,383,605

LUBRICANTS AND PREPARATION THEREOF

Eugene Lieber, West New Brighton, Staten Island, N. Y., and Caleb E. Hodges, Elizabeth, N. J., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

No Drawing. Application December 31, 1942, Serial No. 470,820
5 Claims. (Cl. 252—53)

1. Composition comprising a waxy hydrocarbon oil, a small but pour depressing amount of a pour depressor comprising essentially a Friedel-Crafts condensation product of chlorinated wax and naphthalene and a small but wax suppressing amount of a wax suppressor comprising essentially an organic ester of an inorganic acid selected from the group consisting of boric acid and silicic acid.

2,383,606

CONDENSATION PRODUCTS AND METHOD OF PREPARING AND USING THE SAME

Eugene Lieber, Staten Island, and Marvin E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 25, 1940, Serial No. 347,485
7 Claims. (Cl. 252—59)

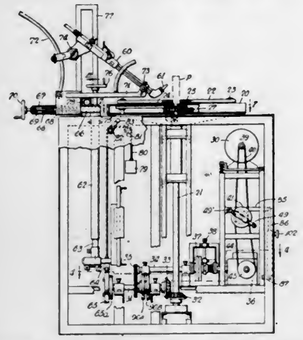
1. A lubricant comprising a major proportion of a waxy mineral lubricating oil and a minor amount of a pour depressor consisting essentially of a Friedel-Crafts condensation product of the monohydroxy derivatives of compounds selected from the group consisting of mono- and dinuclear saturated cyclic hydrocarbons and alkyl derivatives thereof containing less than 7 aliphatic non-cyclic carbon atoms per molecule, with an aromatic compound selected from the group consisting of aromatic hydrocarbons having less than 4 aromatic nuclei and hydroxy derivatives thereof, said condensation product being substantially non-volatile at about 600° F. and being soluble in mineral oil.

2,383,607

PIPE-CUTTING MACHINE

Guy Joseph Lovers, Astoria, and Thomas Karan, Elmhurst, N. Y.

Application June 6, 1942, Serial No. 446,142
17 Claims. (Cl. 266—23)



1. A pipe cutting machine of the type having a pipe rotating mechanism and a support for moving a torch back and forth lengthwise of the pipe during the rotation of the latter, said machine being characterized by the provision of means for varying the rate of rotational movement of the pipe during the rotation thereof in accordance with variations in pitch of the line to be cut to maintain the rate of cutting substantially constant.

2,383,608

ISOMERIZATION PROCESS

Charles S. Lynch, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 7, 1942, Serial No. 461,127
6 Claims. (Cl. 260—683.5)

1. The process which comprises isomerizing normal pentane in the vapor phase under isomerization reaction conditions in the presence of promotional amounts of halogen-containing promoter and in the presence of aluminum chloride, the temperature of the reaction being maintained at between about 400° F. and about 500° F. and the throughput between about 0.25 and about 1 volume of liquid normal pentane per volume of catalyst per hour while correlating the reaction conditions to secure the corresponding branched chain paraffins as the predominant product of the reaction.

2,383,609

HARDENABLE PLASTIC COMPOSITIONS

Murray J. MacDonald, Katonah, and Christopher S. Schwendler, Woodside, N. Y., and Frederick C. Schwendler, Dayton, Ohio, assignors to National Casket Company Incorporated, Long Island City, N. Y.

No Drawing. Application May 8, 1941, Serial No. 392,518
18 Claims. (Cl. 106—108)

1. A magnesia base hardenable plastic composition consisting of calcined magnesite, pumice, diatomaceous earth, asbestos, silex, and an asphaltum emulsion, to which is added a plasticising fluid consisting of magnesium chloride, magnesium sulphate and water, the ratio of water to magnesite being approximately 1:1.

2,383,610

HAND CLEANING COMPOSITION

John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application March 10, 1943, Serial No. 478,636
3 Claims. (Cl. 252—109)

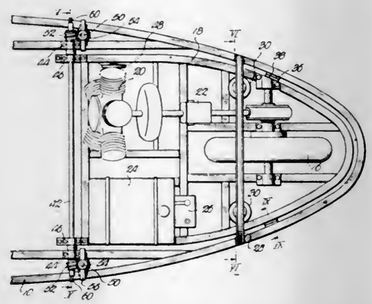
1. A hand cleaning solution comprising the following ingredients proportioned by weight: polyvinyl alcohol 4.2%, mannitol glycerol monooleate 3.1%, tetrasodium pyrophosphate 0.01%; trisodium phosphate 0.05%, a mono alkyl derivative of a phenol mono sulfonate 0.12%, cresylic acid potassium coconut oil soap mixture, 0.91%, and water 91.6%.

2,383,611

MOTOR VEHICLE

John P. Marcy, Oak Ridge, Tenn.

Application September 4, 1944, Serial No. 552,583
4 Claims. (Cl. 180—11)



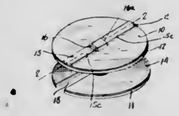
1. In a motor vehicle of the character described, a power unit including a drive wheel, an engine and a sub-frame to hold the said engine and the wheel in operative relation; a main frame having steering wheels thereon; means for pivotally securing one end of the sub-frame to the main frame; shock absorbing elements joining the sub-frame and the main frame at a point remote from the pivotal means; and structure for removably securing the pivotal means and the shock absorbing elements to the sub-frame whereby the power unit may be bodily separated from the main frame, said drive wheel being at the opposite end of the sub-frame adjacent to the shock absorbing elements.

2,383,612

HAIR CURLING DEVICE

Naomi G. Morton, New York, N. Y.

Application January 14, 1944, Serial No. 518,211
7 Claims. (Cl. 132—40)



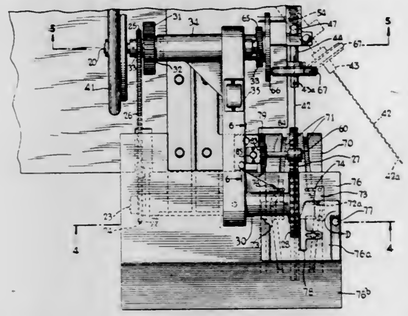
2. A hair curler device comprising a top disc member and a bottom disc member spaced from each other and axially aligned, said disc members being formed of a pliable material, a flexible connecting strip member secured to the top disc member and axially connecting said top disc member to the bottom disc member, said bottom disc member having a radial slot formed therein adapted to receive a strand of hair to be spirally wound around said connecting strip.

2,383,613

SEWING APPARATUS

Rudolf Naftali and Valentine Naftali, Mount Vernon, and Henry Naftali, New York, N. Y., assignors to American Machine and Foundry Company, a corporation of New Jersey

Original application August 6, 1937, Serial No. 157,686, now Patent No. 2,303,380, dated December 1, 1942. Divided and this application November 26, 1942, Serial No. 467,014
6 Claims. (Cl. 112—175)



1. In an apparatus of the character described for sewing together a longitudinally folded necktie fabric and an unfolded lining, a rotatably mounted cylindrical member, means for positioning said lining on the cylindrical surface of said rotatably mounted member in definite relationship to said fabric and to a predetermined line of stitching, said last named means comprising a movably mounted guide plate, means for causing said guide plate to move laterally with respect

to said rotatably mounted member, in conformity with a longitudinal edge of said lining and so that the said lining will remain in unfolded condition, and an inverted U-shaped necktie fabric guide spaced longitudinally from said lining positioning means for progressively folding said fabric and guiding said folded fabric into assembled stitching relationship with said lining.

2,383,614

TREATMENT OF FATTY GLYCERIDES

Joseph Henry Percy, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Application October 17, 1942, Serial No. 462,369
21 Claims. (Cl. 260—410.9)

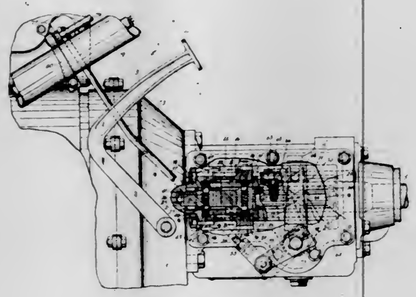
1. A process for the alcoholysis of fatty glycerides which comprises reacting a fatty glyceride with a monohydric alcohol having one to about six carbon atoms per molecule to produce a liquid body containing esters, glycerine and partially reacted glycerides; removing esters and glycerine from said liquid body; and reworking the partially reacted glycerides.

2,383,615

CHANGE-SPEED TRANSMISSION

Glenn T. Randol, St. Louis, Mo.

Original application December 28, 1940, Serial No. 372,047. Divided and this application April 7, 1943, Serial No. 482,091
17 Claims. (Cl. 74—333)



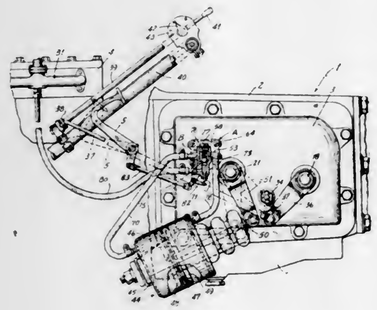
1. In a change speed transmission, a driving shaft, a hollow driven shaft, a countershaft geared to the driving shaft and provided with second, low and reverse gears, an idler gear driven by the reverse gear, a second speed gear rotatable on the driven shaft and meshing with the second speed countershaft gear, a slidable low and reverse gear splined to the driven shaft and movable in one direction to engage the low speed countershaft gear and in the opposite direction to engage the idler gear, clutch means for connecting the driving shaft to the driven shaft, clutch means for connecting the second speed gear to the driven shaft, means operable by the sliding movement of the low and reverse gear in direction for causing one of said clutch means to be operable and then inoperable prior to the engagement of said gear with a cooperating gear and in the opposite direction for causing the other clutch means to be operable and then inoperable prior to the engagement of said gear with its other cooperating gear, and means for sliding the low and reverse gear in opposite directions.

2,383,616

CONTROL MECHANISM FOR CHANGE-SPEED GEARING

Glenn T. Randol, St. Louis, Mo.

Application January 27, 1944, Serial No. 519,852
20 Claims. (Cl. 192—3.5)



1. In a control mechanism for a change speed gearing having a shiftable element for establishing two speed ratios, a power-operated member connected to move the shiftable element to its operative positions, a selecting means for determining which speed ratio the operation of the power means will establish, an operator-operated member having a neutral position and two other positions, means operable by the movement of the operator-operated member from neutral position to one of the two other positions for manually placing the selecting means in one speed ratio selecting condition and to the other of the two positions for manually placing the selecting means in the other speed ratio selecting condition, said operator-operated member and selecting means obtaining full selection without movement of the power means and maintaining each selecting condition as long as the operator-operated member is undisturbed from the full selecting position control means operable independently of the operator-operated member for causing the power-operated means to operate and establish the speed ratio selected by the selecting means when the selecting means is in full selecting position, and means operable by the operator-operated member for neutralizing by manual effort an established speed ratio when said member is returned to neutral position.

2,383,617

CHEMICAL PROCESS

John W. Robinson, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 13, 1944, Serial No. 518,097
3 Claims. (Cl. 260—500)

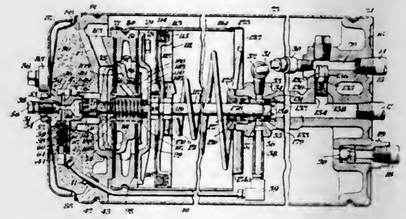
1. In a process for producing sodium cyclohexylsulfamate, the steps comprising dispersing cyclohexylammonium N-cyclohexylsulfamate in an aqueous solution containing at least 20% by weight of dissolved sodium hydroxide, agitating and heating the dispersion, whereby sodium cyclohexylsulfamate is precipitated, and removing the sodium cyclohexylsulfamate from the dispersion.

2,383,618

POWER UNIT SYSTEM

Edward A. Rockwell, West Hartford, Conn., assignor to The New Britain Machine Co., New Britain, Conn., a corporation of Connecticut

Application June 18, 1940, Serial No. 341,104
11 Claims. (Cl. 60—54.6)



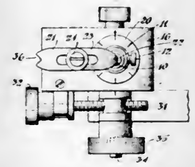
5. A power unit comprising means for delivering a manually supplied hydraulic liquid thereto for controlling the said unit, means therein for delivering therefrom a fluid under a pressure greater than the manual pressure supplied, a source of pressure fluid different from the atmospheric pressure for actuating said means, and a cylindrical enclosure for said unit containing said pressure fluid differing from the atmospheric pressure, having longitudinal adjacent flanges and a channel bar clamping the flanges together.

2,383,619

INSTRUMENT FOR GRINDING AND POLISHING DIAMONDS

Juda Rosner, Brooklyn, N. Y.

Application November 24, 1943, Serial No. 511,612
1 Claim. (Cl. 51—229)



In an instrument for grinding and polishing diamonds, a carriage, a block mounted on one end of said carriage, a holder having a cup-shaped end for retaining a cemented diamond mounted on said block, a finger for holding the diamond in said cup during drying of the cement and during grinding, said finger having a blunt end to hold the diamond during the drying operation and a notched end for engagement with the facets of the diamond during the grinding operation and said finger also having a longitudinally slotted central portion between the blunt and notched ends, a screw threaded into said block and extending through the slotted portion of said finger whereby said finger is adjustable to engage the diamond with either the blunt or notched end.

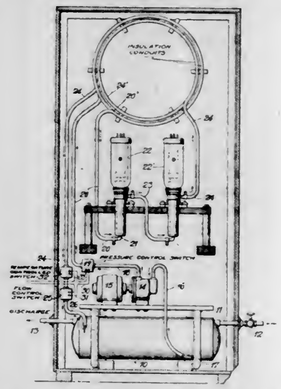
2,383,620

COOLING SYSTEM FOR VACUUM TUBES

Wallace C. Rudd, Yonkers, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York

Application May 27, 1943, Serial No. 488,664
5 Claims. (Cl. 250—27.5)

1. Apparatus for supplying and circulating water for water-cooled power vacuum tubes, comprising a circulating pump, a mixing tank, and conduits for circulation of water to and from spaced points in the tank, through the pump and the cooling cavities of the vacuum tubes, a cool water inlet to the system connected near the intake for the pump, and a warm water outlet connection for discharging water from a point in the tank remote from the pump intake connection, said pump and circulating connections being constructed and arranged to circulate water



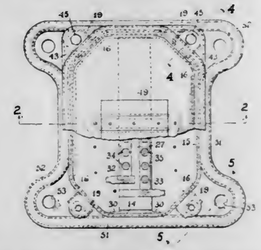
through the tube cavities at a rate substantially greater than the rate of supply and discharge of water to and from the system, flow controlled switch means located along the conduit which conducts warm water from the tube cavities to the tank, and electrical connections controlled by said switch means for disconnecting the vacuum tube power supply when the flow of said warm water is less than a predetermined rate.

2,383,621

CONNECTION BOX FOR ELECTRICAL TERMINALS

Rudolph I. Schonitzer, Shaker Heights, and Edwin L. Allen and Harold B. Muster, Cleveland Heights, Ohio; said Allen and Muster assignors to said Schonitzer

Original application February 23, 1942, Serial No. 432,007, now Patent No. 2,359,054, dated September 26, 1944. Divided and this application December 30, 1943, Serial No. 516,142
2 Claims. (Cl. 248—346)

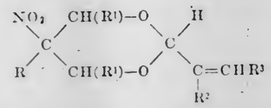


1. A base structure for a box structure wherein said box structure has a bottom wall and a continuous or endless upstanding wall at the periphery of such bottom wall, said base structure comprising a sheet metal member having a generally flat central portion and a continuous or endless upstanding ridge at the periphery of such central portion, said ridge being of inverted U form in cross section and cooperating with said central portion in providing a seating cavity or nest

for the box structure, peripherally spaced sections of said ridge being in confining engagement with the upstanding wall of the box structure and the intervening peripherally spaced ridge sections being outwardly spaced from said upstanding wall of the box structure, the outwardly spaced intervening ridge sections defining therewithin areas of said central portion which project outwardly beyond the box structure, at least one of said outwardly projecting areas being provided with means for use in securing the base structure to a support.

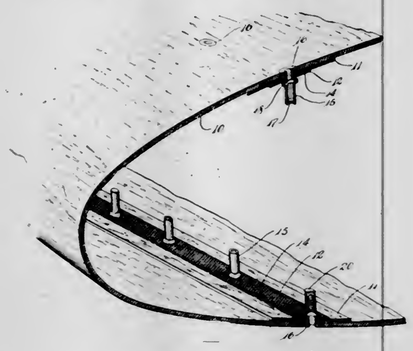
2,383,622
CYCLIC ACETALS OF UNSATURATED ALDEHYDES
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application May 17, 1943, Serial No. 487,335
8 Claims. (Cl. 260—338)

1. Cyclic acetals having the following formula:



wherein R is a member of the group consisting of hydrogen, alkyl, and α-hydroxyalkyl; R^1 is a member of the group consisting of hydrogen, alkyl, aryl and furyl; R^2 is a member of the group hydrogen, aryl, and alkyl; and R^3 is a member of the group alkyl and aryl, the substituents R^2 and R^3 representing the following combination of groups and no others: hydrogen and aryl, alkyl and aryl, alkyl and alkyl, and aryl and aryl.

2,383,623
RIVETED STRUCTURE
Alvin W. Spicer, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 12, 1943, Serial No. 486,719
3 Claims. (Cl. 218—29)

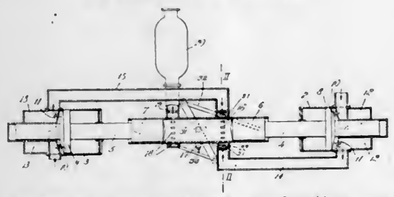


1. A structure comprising a wall of non-metallic material, a reinforcement of rough-faced metal on one face of said wall, said wall and said reinforcement having aligned openings, and a hollow tubular rivet extending through said openings, said rivet having an upset portion engaging said reinforcement and interlocked with the rough face thereof.

2,383,624
RESIN
George Spiller, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1941, Serial No. 389,737
14 Claims. (Cl. 106—222)

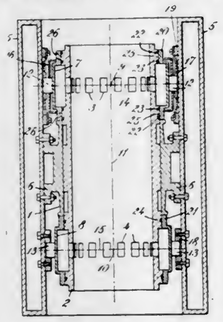
7. A coacting composition comprising as an essential ingredient a hard, oil-soluble resinous ester of an alcohol selected from the group consisting of pentaerythritol and polypentaerythritols with a mixture of acids essentially consisting of rosin acid and an aliphatic unsaturated monobasic acid having not more than 10 carbon atoms, in a liquid vehicle capable of forming a homogeneous solution therewith.

2,383,625
FREE-PISTON INTERNAL-COMBUSTION ENGINE
Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland
Application April 22, 1943, Serial No. 484,011
In Switzerland May 28, 1942
6 Claims. (Cl. 123—46)



1. A free-piston internal combustion engine with several scavenging-air pipes leading to circumferentially spaced intake ports of the internal combustion cylinder and having the scavenging-air current directed opposite to each other in the cylinder, which comprises means for causing the air to flow from each of the several pipes through the inlet ports leading into the cylinder and for at least restricting the scavenging-air from flowing from one pipe into another.

2,383,626
CYLINDER FOR INTERNAL-COMBUSTION ENGINES
Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland
Application August 25, 1943, Serial No. 499,918
In Switzerland November 16, 1942
5 Claims. (Cl. 123—193)



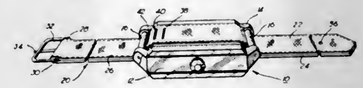
1. In an internal combustion engine the improvement which comprises a cylinder attached

to a supporting frame, a cylinder liner inside the cylinder, intake ports in the liner, exhaust ports in the liner longitudinally spaced from the intake ports, a casing surrounding the intake ports, another casing surrounding the exhaust ports, and yieldable means connecting each casing to the cylinder, whereby when radial expansion of the casings occur, displacement of the casing centers from the cylinder axis is obviated.

2,383,627
POLYMERIZATION CATALYST
Robert M. Thomas, Union, Donald C. Field, Linden, and Harold C. Reynolds, Jr., Roselle Park, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application August 22, 1940, Serial No. 353,668
7 Claims. (Cl. 252—245)

1. In the preparation of a low temperature polymerization catalyst for the low temperature polymerization of olefinic material at temperatures within the range of −10° C. to −150° C., the steps in combination of dissolving a Friedel-Crafts catalyst in an alkyl halide having less than 3 carbon atoms at a temperature above about −23° C., cooling the solution to a temperature between −20° C. and the freezing point of the alkyl halide, and passing the cooled solution through an alkaline solid.

2,383,628
WRIST WATCH STRAP
Julius A. Traum, New York, N. Y.
Application August 18, 1943, Serial No. 499,036
3 Claims. (Cl. 224—4)



1. A one-section wrist watch strap comprising an elongated band whose ends are adapted to be detachably attached to each other, and means intermediate the ends of said strap for detachably attaching the strap to a wrist watch having a pintle, said last named means comprising a plurality of resiliently depressible projections of graded heights spaced longitudinally of and integral with said strap, the highest of said projections being nearest one end of said strap and the lowest nearest the opposite end of said strap and the difference in heights between successive projections being such that one projection can be squeezed through a space through which the next succeeding projection cannot be squeezed, whereby when the strap is threaded through the space between the pintle and case of a wrist watch and successive projections squeezed through such space until a projection is reached which cannot be squeezed therethrough, the watch will not be able to accidentally slip off the strap or shift relative thereto.

2,383,629
PROCESS OF TREATING WAXES
Cyril S. Treacy, Scarsdale, N. Y., assignor to Mamaroneck Chemical Corporation, Westchester County, N. Y., a corporation of New York
No Drawing. Application November 21, 1941, Serial No. 419,981
9 Claims. (Cl. 260—423)

1. The process of bleaching and improving the properties of candelilla wax which comprises chemically purifying the candelilla wax by substantially only the action of a hydrogen-chlorine-oxygen acid, said process involving emulsifying the candelilla wax and heating the same in the presence of said acid until the purification action is accomplished, breaking the emulsion, and separating the wax from the aqueous solution and impurities by settling.

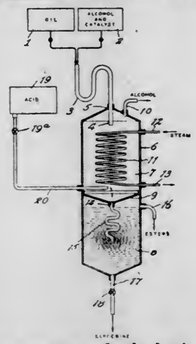
2,383,630
PRODUCTION OF SOAP
Walter Russell Trent, North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 25, 1942, Serial No. 436,098
7 Claims. (Cl. 260—415)

1. The process for producing soap which comprises reacting a fatty acid ester of a lower alkyl monohydric alcohol with a saponifying agent under subatmospheric pressure while maintaining the temperature above the vaporization point at said pressure of the free monohydric alcohol.

2,383,631
MANUFACTURING SOAP
Walter Russell Trent, North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 25, 1942, Serial No. 436,102
3 Claims. (Cl. 260—415)

1. A process for producing soap which comprises continuously passing a fatty acid ester of a lesser alkyl monohydric alcohol and a saponifying agent through a mixing zone at an elevated temperature and under a superatmospheric pressure, varying the temperature and pressure in said mixing zone alternately to establish and destroy a vapor phase therein, and continuously discharging said reaction mixture into a lower pressure zone.

2,383,632
PROCESS OF TREATING FATTY GLYCERIDES
Walter Russell Trent, North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application October 17, 1942, Serial No. 462,370
12 Claims. (Cl. 260—410.9)

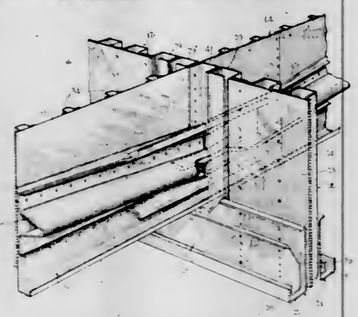


1. A process for the alcoholysis of fatty glycerides which comprises reacting a fatty glyceride with a low molecular weight monohydric alcohol to produce a liquid body containing esters of fatty acids from said glyceride with said alcohol, glycerine and unreacted alcohol; volatilizing the unreacted alcohol from said liquid body; and separating said esters from the glycerine.

2,383,633
PROCESS FOR TREATING FATTY GLYCERIDES
Walter Russell Trent, North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application January 30, 1943, Serial No. 474,188
12 Claims. (Cl. 260—410.9)

1. The process which comprises reacting a fatty glyceride with a monohydric alcohol having one to about six carbon atoms per molecule in the presence of an alkaline alcoholysis catalyst to produce a liquid body containing esters of the alcohol with fatty acids, glycerine and unreacted alcohol; volatilizing the unreacted alcohol from said liquid body; acidifying the residue of said liquid body; and separating the esters from the glycerine.

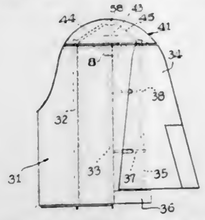
2,383,634
MAIN FRAME STRUCTURE FOR AIRFOILS OR THE LIKE
Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1943, Serial No. 476,535
6 Claims. (Cl. 189—36)



1. A sectional rib for airfoils adapted to extend continuously through a slot in a spar member to which the rib is secured in final assembly, each of said sections of the rib comprising a web and chord member, the web of one section extending continuously through the spar member and the chords of the sections being joined at the spar, the chords of the sections being partially cut away at the region of passage through the spar, and reinforcing means bridging the cut away portions to restore the strength of the chords in this region, the webs of the sections overlapping and secured together in the overlap.

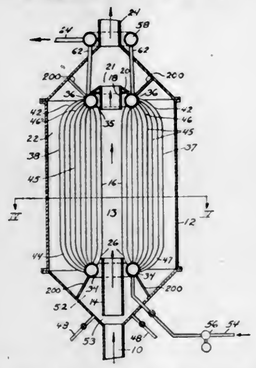
2,383,635
AIRFOIL TIP CONSTRUCTION
Michael Watter and George W. Pancoe, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 6, 1943, Serial No. 478,234
10 Claims. (Cl. 244—123)

7. An airfoil structure comprising in combination, a main body portion, a tip sub-assembly secured to and forming an end extension on the main body, the body and tip comprising a frame and covering skin, the tip overhanging one edge of the main body and having on the overhang a bearing anchorage for hinging a movable airfoil, the main body having a spar adjacent the side of the tip overhang, and the tip having a spar extension secured to the end of the spar



and a diagonal brace from the upper part of the spar extension into the overhang near the bearing anchorage.

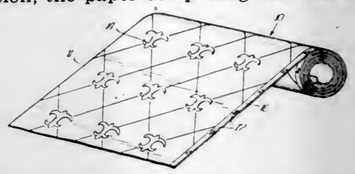
2,383,636
TEMPERATURE CONTROL OF CATALYTIC REACTIONS
Walter A. Wurth, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 9, 1941, Serial No. 406,226
9 Claims. (Cl. 23—1)



1. A process for carrying out chemical reactions which comprises passing a fluidized mass of solid finely divided particles in a gaseous medium upwardly through a confined passageway formed by heat exchange tubes arranged and terminating within a vessel, passing the fluidized mass into a larger space after it leaves said passageway so that some of the particles drop out of the fluidized mass and are contacted with additional heat exchange tubes in said vessel to cool the solid particles, mixing the cooled particles with additional gaseous medium and solid particles and passing the last mentioned mixture as a fluidized mass through said passageway.

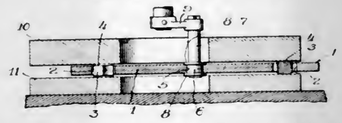
2,383,637
WALLPAPER ROLL
William H. Yates, Chicago, and Le Roy W. Staunton, Evanston, Ill., assignors to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application April 2, 1943, Serial No. 481,573
1 Claim. (Cl. 283—62)

As an article of manufacture, a roll of wall paper having a dry adhesive surface and being adapted to be submerged in water and moistened by rolling a film of water in direct contact with said adhesive surface, comprising an elongated strip of paper having decorative material applied to its surface on one side thereof and a coating of dry retacking adhesive on the other side thereof and a water resistant substance applied over said decorative material, said strip of paper being rolled with the adhesive surface as the inner or concave surface of the roll and with the adhesive surface of one convolution in direct contact with the decorative surface of the next adjacent convolution, the paper comprising said roll being of



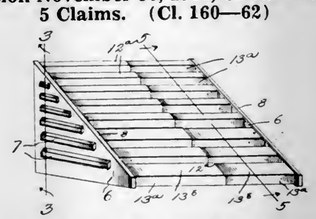
sufficient width to hold that quantity of water between the convolutions of the roll required to maintain the adhesive in a suitable moist condition throughout the period of time required to apply the same to the wall surface after it has been moistened, said strip further having means thereon indicating the end of said strip to be first applied to the surface to be covered.

2,383,638
MEANS FOR MULTIPLE EDGING AND SQUARING RADIO QUARTZ CRYSTALS
Leon A. Faber, Sandwich, Ill., assignor, by mesne assignments, to The James Knights Company, Sandwich, Ill., a corporation of Illinois
Application July 31, 1943, Serial No. 496,846
3 Claims. (Cl. 51—216)



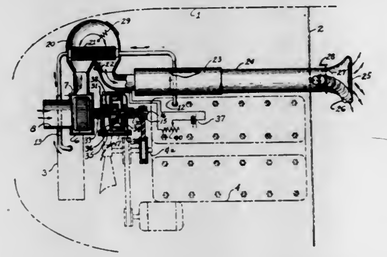
2. Means for uniformly grinding the opposite edges of a plurality of quartz crystals, comprising an oscillatory race having spaced openings therein, a series of substantially rectangular holders each adapted to receive and hold a plurality of crystals in edgewise relation with their oppositely disposed edges projecting beyond the opposite ends of the holder and each holder adapted to be loosely received in an opening, an upper and lower abrasive surface disposed in contact with the opposite edges of the crystals, means for oscillating the race and the contained holders and crystals between the abrasive surfaces whereby to grind and square the exposed edges of the crystals, and spaced projections on the under surface of the race for preventing the race from wiping the lower abrasive surface free of abrasive.

2,383,639
METALLIC AWNING
Albert C. Ferguson, Jacksonville, Fla.
Application November 30, 1944, Serial No. 565,958
5 Claims. (Cl. 160—62)



1. A rigid awning for window openings, said awning comprising side members, inwardly extending marginal flanges carried by said side members, the upper side of said awning being formed from spaced louvers, said louvers being formed from telescopically engaged sections, the outer ends of said telescopically engaged sections being rigidly anchored to the side members and braced by engagement with the marginal flanges of the side members.

2,383,640
HEATING AND VENTILATING APPARATUS FOR MOTOR VEHICLES
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 24, 1943, Serial No. 488,123
6 Claims. (Cl. 237—12.3)

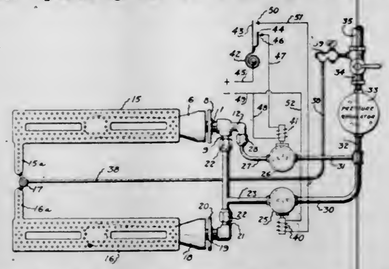


2. In heating and ventilating apparatus for a vehicle having a passenger compartment and a variable speed driving engine provided with a power take-off, a heat-exchange device adapted to receive heat from said engine and having air delivery means connected with said compartment, an air impelling means connected with said heat-exchange device and operable to cause a flow of air through the latter and through said delivery means to said compartment, a magnetic coupling having a variable speed input member connected with said power take-off and a substantially constant speed output member connected with said impelling means, and means for energizing said magnetic coupling, said coupling being operable with slippage such that said impelling means will be driven at a substantially constant speed for all operating speeds of the engine above a predetermined value and the volume of air delivered to said compartment by the impelling means will be substantially unaffected by variations in the operating speed of the engine above said predetermined value.

2,383,641
GAS BURNING APPARATUS
Theodore B. Focke, Cleveland Heights, John Alger Dahlstrom, Bay Village, and Joseph R. Kirkpatrick, South Euclid, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1941, Serial No. 413,728
4 Claims. (Cl. 158—105)

1. In a system of the class described, a plurality of atmospheric gas burners, one of the burners including two gas nozzles, a common source of gas supply for the plurality of burners, two branch conduits leading from said source, the first of said branch conduits communicating exclusively with one of the aforesaid gas nozzles and the second communicating with the other gas nozzle and with the remainder of the burners, a

valve in each branch conduit, and means for either operating the valve in the first branch



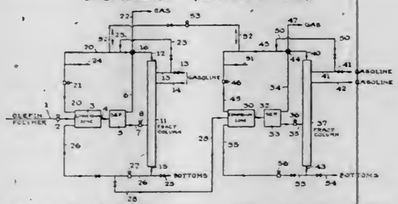
conduit only, or for operating the valves in both branch conduits simultaneously.

2,383,642

DEPOLYMERIZATION OF OLEFIN POLYMERS

Leslie U. Franklin and Edward E. Dunlay, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 13, 1941, Serial No. 414,898
5 Claims. (Cl. 196—50)



1. A method of depolymerizing olefin polymers which comprises contacting an olefin polymer of about 25° to 45° A. P. I. gravity with an adsorbent earth type of catalyst, first at a temperature sufficient to cause substantial depolymerization of the polymer to gasoline but insufficient to cause substantial cracking of the polymer, separating gasoline so formed, and then contacting the residual polymer with an adsorbent earth type of catalyst at a higher temperature to further depolymerize it and so produce more gasoline.

2,383,643

CATALYTIC DEHYDROGENATION

Stewart C. Fulton and Kenneth K. Kearby, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 26, 1942, Serial No. 436,316
15 Claims. (Cl. 260—669)

1. An improved process for the catalytic dehydrogenation of hydrocarbons which comprises passing the hydrocarbons over a catalyst comprising a major proportion of magnesium oxide, a minor proportion of iron oxide, and a small amount of a promoter selected from the class consisting of the fluorides of alkali and alkaline earth metals.

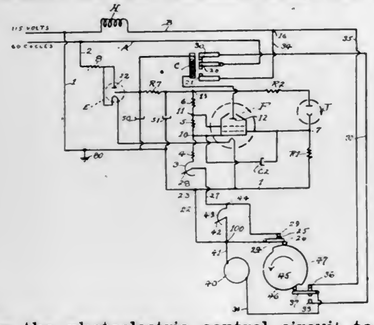
2,383,644

PHOTOELECTRIC RELAY WITH AUTOMATIC ADJUSTER

Richard S. Gregory, Princeton, Ky.

Application August 17, 1944, Serial No. 549,928
13 Claims. (Cl. 315—15.6)

1. For use in turning on and off the current to the electric lights of a street or other like illuminating system, a photoelectric control circuit having a current supply to turn on the current at a predetermined light level and to turn off the current at a predetermined but higher light level and in which the light level at which said operations occur is determined by an electric current resistor in said photoelectric control circuit, and in combination therewith, means for increasing the internal resistance of said photoelectric control circuit above that caused by said resistor, said increase of internal resistance being such as to



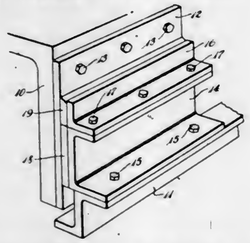
cause the photoelectric control circuit to turn off the current to the illumination system at the same light level at which the control circuit operates to turn on the current, means operable to bring a second resistance into and thereby increase the internal resistance of said photoelectric control circuit, and additional means acting upon the operation of the photoelectric circuit to turn on the current to the illumination system to bring said first named means into operation.

2,383,645

VIBRATION ISOLATION

Stuart H. Hahn, Williamsville, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 16, 1942, Serial No. 458,588
11 Claims. (Cl. 248—358)



3. Vibration-isolating apparatus comprising relatively movable flat plate-like members for the support of a load, a body of rubber-like material having a low hysteresis characteristic located for shear loading between said members and secured thereto, and a body of rubber-like material having a high hysteresis characteristic also located between said members and secured thereto.

2,383,646

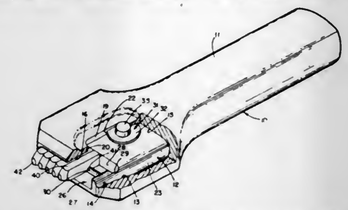
MARKING DEVICE

Samuel A. Hamnett, Los Angeles, Calif.; Aurora Christina Hamnett executrix of said Samuel A. Hamnett, deceased

Application March 28, 1944, Serial No. 528,429
6 Claims. (Cl. 101—17)

1. In a marking device, a body member including a handle portion having a chamber therein,

a type holding member, means to mount said type holding member for sliding movement in the chamber, said type holding member having a hole extending downwardly from the upper surface, a pin slidable in said hole, and means normally urging the pin upwardly in the hole, said body having an elongated slot positioned to receive said pin, said body having an inwardly open recess, said recess being of a size to receive a



portion of the pin, the total length of the pin being no greater than the depth of said hole whereby the pin may be depressed inwardly so that its outer end is below the inner face of the top of the handle chamber to permit assembly and disassembly, said pin being slidable in said slot to permit said type holding member to be moved so that the type may be inserted, said type holding member having a type receiving pocket therein.

2,383,647

METHOD OF WATERPROOFING INORGANIC HYDROUS OXIDE BODIES, AND PRODUCT

Ernst A. Hauser, Cambridge, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 13, 1942, Serial No. 434,629
23 Claims. (Cl. 117—123)

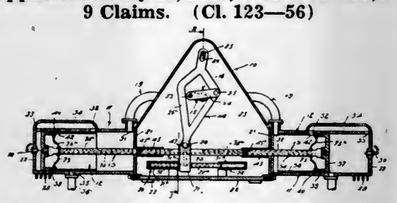
1. Process for waterproofing bodies made of colloidal, crystalline inorganic hydrous oxides which contain structural water and are capable of swelling when in contact with water to form plastic hydrogels and have base exchange properties and the individual crystallites of which exhibit at least one surface plane in the form of a silica sheet having hexagonal voids with a diameter of the inscribed circle of about 2.6 Angstrom units which comprises contacting such a body with a solution of a salt the cation of which has an ionic diameter of at least about 2.6 Angstrom units and the anion of which contains an unsaturated carbon to carbon linkage and is capable of polymerization to a water-insoluble hydrophobic product.

2,383,648

INTERNAL-COMBUSTION ENGINE

Floyd C. Hawkins, Arcadia, Calif.

Application July 19, 1943, Serial No. 495,276
9 Claims. (Cl. 123—56)



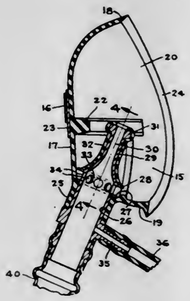
5. An engine of the character described including, a housing, cylinders supported in opposed relation from the ends of the housing, pistons in the cylinder, rods connected to the pistons and connected together in the housing to rigidly connect the pistons, means supplying a charge to the cylinders, a crank shaft carried by the housing offset from the cylinders, and means whereby the shaft is operated from the rods including a lever slidably pivoted in the housing and oscillated by the rods, and a link connecting the lever and shaft the link being connected to the lever intermediate its ends.

2,383,649

BREATHING MASK FOR PARACHUTE ESCAPE DEVICES

Jay A. Heidbrink, Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application August 23, 1941, Serial No. 408,077
3 Claims. (Cl. 128—142)



1. A mask structure for a parachute escape device comprising a mask body adapted to be held against the face of a wearer and thereby form a breathing chamber enclosing the mouth and nose of the wearer, flexible strap mechanism adapted to hold the mask structure suspended at the neck and permitting the same to be quickly applied to the face, a breathing tube extending outwardly and downwardly from the breathing chamber to outside atmosphere, a mouth-piece connected with said breathing tube and projected within said chamber and adapted to be gripped between the teeth when the mask is positioned on the face, and openings into the breathing tube from the breathing chamber independent of the opening therefrom to the mouth-piece whereby breathing may be effected through the nose.

2,383,650

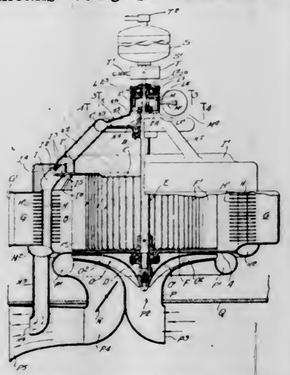
AIRPLANE HEATER

Frederic O. Hess, Germantown, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application March 30, 1943, Serial No. 481,077
12 Claims. (Cl. 237—33)

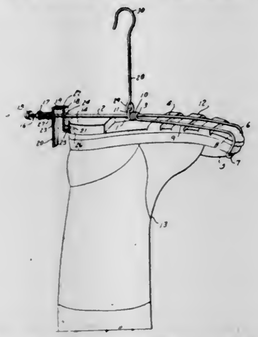
8. The combination with an airplane, of a heater therein including structure providing a heating radiator and an air heating space, the radiator being in heat exchange relation with the space for transferring heat from a heating medium in the radiator to air in the space, means to supply the heating medium for the radiator, fan means for moving air to be heated through the space, a translating device for operating the fan means, and conduit means through which air may pass from the exterior of the airplane to the device and from which air may be discharged

to the exterior of the airplane, the device and conduit means being so constructed and ar-



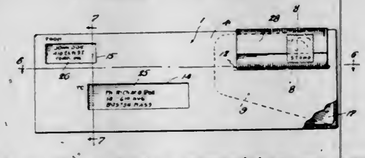
ranged that flow of air therethrough, developed during flight of the airplane, will actuate the device to operate the fan means.

2,383,651
BOOT HOLDER
Harvey W. Hill, Parkville, Mo.
Application September 11, 1943, Serial No. 502,045
15 Claims. (Cl. 12—129.1)



1. In a device of the character described, a body member having a portion at one end thereof for engaging the toe of a boot, means for engaging the heel of said boot, said heel engaging means being adjustable on the body member to adapt the device to fit different size boots, and means hingedly connected at substantially the center of the body member for supporting same and the boot to which it is applied.

2,383,652
MAILING ENVELOPE AND INSERT
Carl A. Holmblad, Flushing, N. Y., and Walter Englund, Atlanta, Ga.
Application May 1, 1944, Serial No. 533,622
4 Claims. (Cl. 229—68)

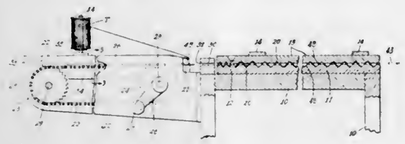


1. A mailing device comprising an envelope open along one edge, a closure flap for the open end of said envelope movable from an extended position to a closed position against a wall of the envelope, an insert removably fitting within the envelope, the envelope having its walls and closure flap formed with registering openings spaced from an adjoining edge of the envelope and the insert having an opening for registering with the openings of the envelope, and a sealing strip threaded through the registering openings of the insert and the envelope and wrapped about portions of the envelope between its openings and the adjacent edge of the envelope with portions of the sealing strip overlapped and secured to each other.

2,383,653
SILICIC ACID SOLS
Joseph S. Kirk, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1941, Serial No. 396,564
7 Claims. (Cl. 252—309)

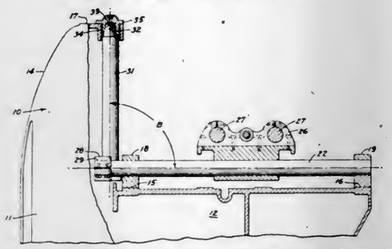
3. In a process for the modification of silicic acid the step comprising modifying a silicic acid sol by admixing therewith a water-soluble organic hydrogen bonding donor compound selected from the group consisting of amides and ethers, said ethers having an atom selected from the group consisting of oxygen and nitrogen, in addition to that in the ether linkage, the molecular ratio of SiO_2 to said hydrogen bonding donor being about 1:1 to 1:0.1.

2,383,654
COMBINED TIE FOLDING AND SLIP STITCH SEWING MACHINE
Carl W. Johnson, Brooklyn, and Joseph A. Neumair, Hollis, N. Y., assignors to American Machine & Foundry Co., a corporation of New Jersey
Application January 29, 1942, Serial No. 428,684
1 Claim. (Cl. 112—174)



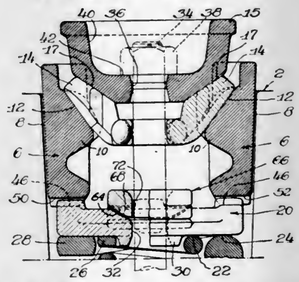
In a sewing machine, the combination with means for supporting an outspread necktie lining and an outspread necktie fabric, said necktie fabric and lining being associated in superimposed relationship with each other with one longitudinal edge of said necktie fabric extending along a longitudinal axis of said lining, of mechanism for folding the fabric on said means to lap one of its longitudinal edges upon the edge thereof arranged to extend along a longitudinal axis of said lining, said means including a member having a corrugated face adapted to support the lining and folded fabric, a device having a corrugated face coacting with the corrugated face of said member to pleat and hold the lining and folded fabric supported on said member in pleated condition, a needle adapted to be passed through the pleated fabric and lining while held by said member and device to stitch the same together, and mechanism for operating said needle while said fabric and lining are held in pleated condition, to stitch the pleated fabric and lining together.

2,383,655
JIG BORING MACHINE
Wallace J. S. Johnson, Berkeley, Calif., assignor, by mesne assignments, to Kearney & Trecker Products Corporation, Milwaukee, Wis., a corporation
Application January 11, 1941, Serial No. 374,043
2 Claims. (Cl. 77—1)



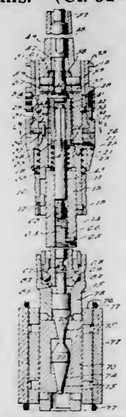
2. In a machine of the character described, a main frame having a pair of machined surfaces lying in the same plane, a bearing member mounted on each surface and secured to the frame, said bearing members being formed with identically spaced parallel bores, a first pair of way bars extending between the bearing members and secured in said bores and lying in the same plane, a second pair of way bars extending perpendicularly to the first, right angle bracket connections between the ends of the bars of the second pair and the bars of the first pair enabling the axes of the bars of the second pair to be adjusted angularly relative to the plane of the first pair, an end bearing at the other end of each of the second pair of way bars, said main frame being formed with apertures which said end bearings loosely fit, and means for securing said bearings to said frame with the bars of the second pair in adjusted position.

2,383,656
DRAFT GEAR
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 21, 1942, Serial No. 459,087
23 Claims. (Cl. 213—32)



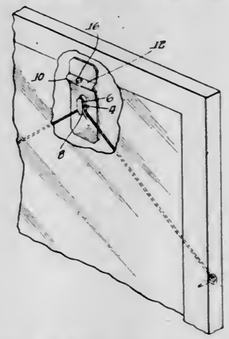
1. In a draft gear, a housing comprising an internal friction surface, friction shoes in engagement therewith, a compression spring in said housing, a spring cap member on said spring and comprising oppositely spaced seats adjacent the perimeter thereof engaged with certain of said shoes, oppositely spaced resilient means adjacent the perimeter of said member and supported thereon between said seats, a shoe tightener member supported on said resilient means and comprising at opposite ends thereof seats engaged with other of said shoes, and outer wedge means engaged with all of said shoes, said shoe tightener member comprising centrally thereof a convex inwardly directed projection received within a concave recess in the first-mentioned member to limit compression of said resilient means, said projection and recess being formed and arranged to permit at all times a tilting action of either of said members independently of the other to accommodate inequalities in the length of the shoes associated therewith.

2,383,657
HONING DEVICE
James B. Klein, Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application May 22, 1943, Serial No. 487,989
5 Claims. (Cl. 51—184.3)



1. In a driving and adjusting head for a honing tool body, a tool receiving sleeve, a hollow driving member, a hollow universal joint joining said sleeve and member, an adjusting element movable in rotation and reciprocation within said sleeve, longitudinally movable means in said driving member and universal joint for moving said element in reciprocation, and means for rotating said element.

2,383,658
PICTURE HANGER
Charles O. Larson, Sterling, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois
Application July 30, 1943, Serial No. 496,703
4 Claims. (Cl. 248—29)



1. A picture hanger comprising an elongated strip of metal of single thickness and uniform

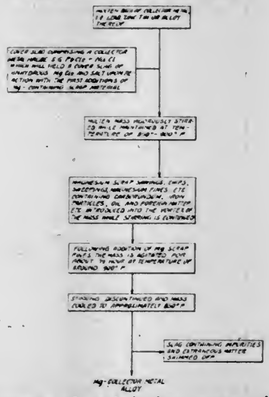
cross section throughout, the opposite ends of said hanger having flat undersurfaces lying in substantially a common plane, said strip intermediate its ends being provided with a slotted tongue to receive a cord and provided remotely therefrom with an upward fold in the single thickness of the metal to provide a rigidified portion, the top of which lies substantially in a plane passing through the tip of the tongue and lying parallel with the main body of the strip, the wall of said folded portion being provided with a nail hole and a portion of the underneath wall of the folded portion providing a guide wall for the shank of the nail to control angularity of the nail when driven into the wall.

2,383,659

METHOD OF RECLAIMING MAGNESIUM FROM SCRAP

Yurii E. Lebedeff, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application March 13, 1943, Serial No. 479,067
7 Claims. (Cl. 75—67)



1. The process of reclaiming magnesium as an alloy metal from scrap material containing magnesium metal which comprises establishing a bath of molten collector metal which readily alloys with magnesium metal, providing a cover slag for said collector metal which is liquid at the temperature of the molten collector metal and will wet and envelope said magnesium scrap material when the same are brought in contact, said cover slag containing as a major constituent a halide of the collector metal, agitating said metal bath and concurrently introducing the scrap material to be treated, continuing the agitation of said bath to cause the classification of said scrap wherein the extraneous matter is retained in said slag while magnesium metal particles are released therefrom and collected by said collector metal, and separating the slag containing the impurities from said collector metal containing the magnesium metal released.

2,383,660

METHOD OF TRANSPARENTIZING PAPER

Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 25, 1942, Serial No. 459,716
1 Claim. (Cl. 117—158)

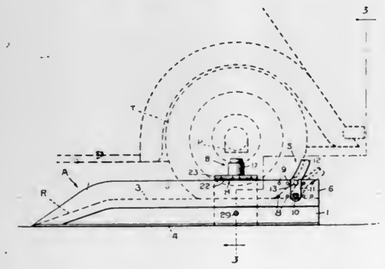
A method of transparentizing normally substantially opaque, unpigmented, fibrous, porous paper, which consists in impregnating said paper with a composition consisting of a 37.5% solution of a triethylene glycol ester of hydrogenated rosin in ethyl acetate, removing excess solution and drying the impregnated paper.

2,383,661

AUTOMOBILE JACK

Enrique López, New York, N. Y.

Application February 16, 1944, Serial No. 522,630
6 Claims. (Cl. 254—88)



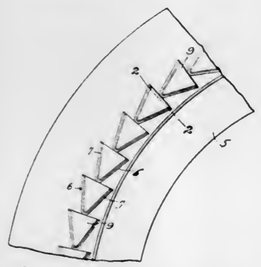
6. In a vehicle jack, the combination of a track member, for a wheel of the vehicle to roll thereon, having two side rails, each rail having two sets of holes, and the holes of each set in one rail registering with the holes of the corresponding set in the other rail; an arcuate plate, having a depending, perforated lug at each end, pivotally mounted on said rails by a removable pintle passed through the lugs and the rails in the holes of one set in each rail; a removable locking pin passed through the lugs and the rails in the holes of the other set in each rail; and a lifting mechanism mounted adjacent said track member, said plate being thereby adjustable to determine the extent of the rolling of the wheel, to properly adjust it in relation to the lifting mechanism.

2,383,662

AIRPLANE TIRE CONSTRUCTION

Charles H. McClaskey, Hamer, Idaho

Application August 4, 1944, Serial No. 548,000
2 Claims. (Cl. 244—103)



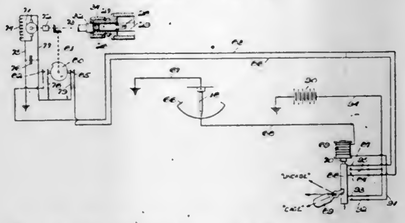
1. In an airplane tire, a plurality of circumferentially spaced retaining members arranged on the tire, cups removably held within the retaining members, wires embedded in the retaining members, the ends of the wires extending beyond the retaining members and the extended ends of the wires adapted to engage the cups securing the cups within the retaining members.

2,383,663

GYRO CAGING MECHANISM

Alan M. MacCallum, Maywood, and Paul A. Noxon, Tenafly, N. J., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application February 3, 1943, Serial No. 474,592
11 Claims. (Cl. 74—5)



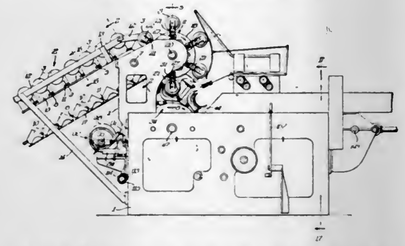
1. In a caging and centralizing device for a universally mounted gyroscope having a rotor mounted for spinning about one axis and means comprising a casing supporting the rotor for oscillation about two mutually perpendicular axes at right angles to said spin axis, the combination with the casing of means comprising an arcuate member rotatable about an axis coaxial with said spin axis for imposing a precessive torque on said rotor to cause a precession thereof to a normally central position where said casing becomes centered about said two mutually perpendicular axes, and automatic control means for actuating said rotatable member brought into operation by a predetermined tilt of said rotor with respect to its two mutually perpendicular axes of oscillation.

2,383,664

WRAPPING MACHINE

Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois

Application June 20, 1941, Serial No. 398,987
34 Claims. (Cl. 93—2)



1. A machine for wrapping rolls of wound material comprising a continuously operating conveyor for conveying said wound rolls to be wrapped to a predetermined location, means for rendering movement to said rolls to rewind unwound parts thereof, means for delivering said rewound rolls to a predetermined location, and means for receiving said rewound rolls at said last named predetermined location and applying a wrapper about said rolls.

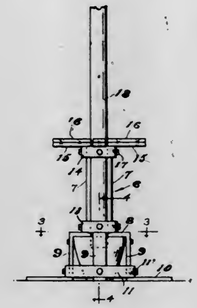
2,383,665

PLANT SUPPORT

Leandro Malicay, Los Angeles, Calif.

Application April 19, 1944, Serial No. 531,811
2 Claims. (Cl. 47—47)

1. A climbing plant support for use with a potted plant comprising a skeleton stand defining a bottom cage adapted to fit over the pot, clamping means on said cage adapted to secure the pot in the cage, said cage comprising upright members rising from the top thereof and surrounding the vertical axis of the cage in circular formation, an upright tubular perforated element fitting between said upright members and adapted for use in watering the plant, vertically spaced bands surrounding said members, and set screws extending through said bands and members and clampingly engaging said element.

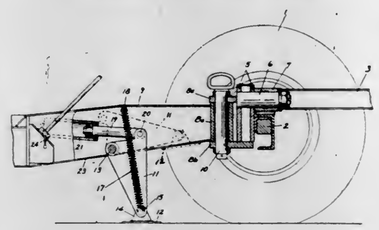


2,383,666

TRAILER TONGUE CONSTRUCTION

William E. Martin, Kewanee, Ill.

Application December 7, 1943, Serial No. 513,290
7 Claims. (Cl. 280—33.44)



1. A supporting and lifting leg for a trailer tongue comprising a pair of leg members having matching pivot openings for the reception of spaced pivot members, pivot members secured in said pairs of openings, a foot suspended on one of said pivot members, another one of said pivot members pivotally connecting said leg to the tongue, power means connected to the third pivot member and serving to force the leg to turn downwardly into contact with the ground, and other power means connected to the leg to cause it to turn in the opposite direction.

2,383,667

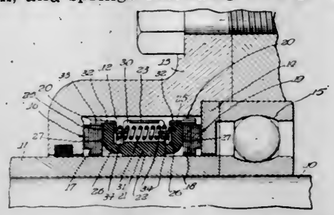
FLUID SEAL

Albert J. Matter, Park Ridge, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application July 27, 1942, Serial No. 452,475
8 Claims. (Cl. 286—11)

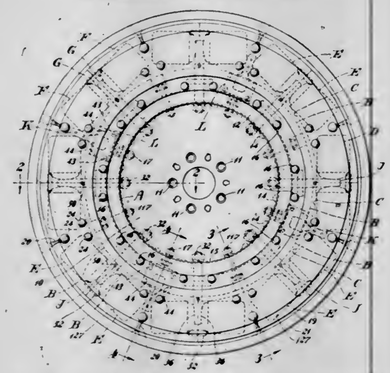
1. A fluid seal comprising a central ring member of elastic resilient material having its inner periphery for preloading engagement with a shaft, a lateral sealing means at the sides of the ring portion to provide a seal at right angles to the periphery, a flexible resilient neck connecting

the lateral sealing means and the central ring portion, and springs extending through the cen-



tral ring portion at intervals and engaging and tending to separate the lateral sealing means.

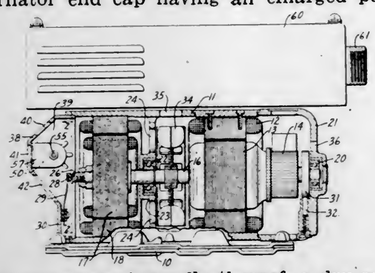
2,383,668
TIRE
Floyd R. Mays, Chicago, Ill., and Robert R. Royal, Paducah, Ky.
Application February 1, 1943, Serial No. 474,294
5 Claims. (Cl. 152—93)



1. In a tire for wheels of automotive vehicles, the combination with outer and inner annular rims, adapted for relative movement toward and away from each other in radial direction; of opposed spring units mounted on one of said rims, each spring unit including a pair of opposed spring follower caps, and springs under initial compression opposing separation of said follower caps; and tapered spreading members on the other rim, each spreading member being slidingly engageable between the units of one of said opposed sets to compress the same upon relative approach of said rims and thereby cushion shocks.

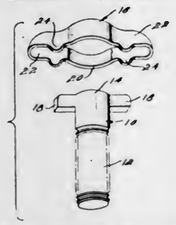
2,383,669
DYNAMOELECTRIC MACHINE
Thomas W. Moore, Dayton, Ohio, assignor to The Leland Electric Company, Dayton, Ohio, a corporation of Ohio
Application November 28, 1942, Serial No. 467,195
10 Claims. (Cl. 171—252)

10. A dual unit dynamo electric machine comprising a drive motor, an alternator directly mounted on the drive shaft of said motor, a common housing means enclosing said motor and alternator, fan means located intermediate said motor and alternator within said housing providing for creating an inward flow of cooling air in opposite directions through both said motor and alternator and discharging the same outwardly through said housing, end caps at the respective ends of said motor and alternator having apertures therein providing for entry of the flow of cooling air, a bearing for journaling the drive shaft in the end cap of the motor, another bearing for journaling the drive shaft located between the motor and the alternator with the alternator supported on the overhanging end of said drive shaft leaving the space within the alternator end cap relatively free and open, said alternator end cap having an enlarged portion



forming a space inwardly thereof, a dry contact type rectifier in the circuit of said alternator for controlling the exciter winding thereof, and means positioning said rectifier transversely of the motor shaft within said space and in the direct path of flow of said inwardly moving streams of cooling air on the entering side thereof.

2,383,670
THUMBSCREW
Chester C. Moss, Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application July 1, 1942, Serial No. 449,217
2 Claims. (Cl. 85—9)

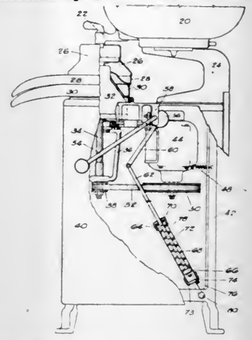


1. A thumb screw comprising a T-shaped stud having a head section and a threaded section, said head section having radially-extending, diametrically-opposed arms which are formed to provide gripping edges, and a cap-piece which is generally channel-shaped in cross-section and which fits over, and seats on, said head section and said radially-extending arms, said cap-piece having a body portion which conformably engages substantial areas of opposite sides of said head section and wing extensions which fit over said radially-extending arms to provide a driving connection between said cap-piece and stud, said wing extensions overlying said edges and having portions which are deformed to engage under said edges, whereby to secure the cap-piece on said head section.

2,383,671
STARTING MECHANISM AND THE LIKE
Richard W. Muerle, Springfield, Ill., assignor to Montgomery Ward & Co. Incorporated, Chicago, Ill., a corporation of Illinois
Application April 1, 1942, Serial No. 437,219
12 Claims. (Cl. 74—242.15)

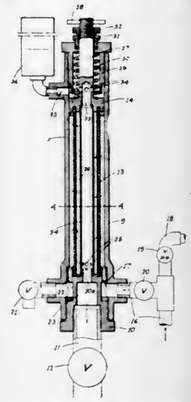
1. In a device of the class described, power driving means, starting mechanism for said power

driving means, a driven device drivingly connected to said power driving means, releasing means operable to disconnect said power driving and said driven means, said starting mechanism including means operable to start the power driv-



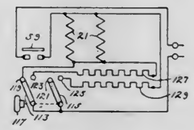
ing means, said last mentioned starting means being operable at the time said power driving means and said power driven means are disconnected, whereby the starting load on the power driven means is removed from the power driving means at the time the latter is started.

2,383,672
FILTER
Walter J. Neisingh, Hanford, Calif.
Application October 12, 1942, Serial No. 461,649
14 Claims. (Cl. 210—169)



6. A filter comprising a barrel-like body, a pair of plugs mounted in said body in spaced relation, one of said plugs being fixed relative to the body and the other plug having a close running fit within the body and movable relative thereto, a filter element in the body consisting of a closely wound helical tension coil in cylindrical form and having its outer surface spaced from the inner wall of the body, each end of the coil being connected with one of said plugs, means to admit fluid under pressure to one side of the coil and between the plugs whereby the pressure of such fluid will tend to slide the movable plug within the body in a direction to extend the coil and open the spaces between the convolutions thereof and permit the passage of the fluid from the one side of the coil to the other side thereof for filtering said fluid, and means to allow said filtered fluid to pass from the body.

2,383,673
ELECTRIC TOASTER
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application February 21, 1942, Serial No. 431,856
10 Claims. (Cl. 219—19)



6. An electric toaster comprising electric heating elements respectively at each side of and below a slice of bread for respectively simultaneously applying radiant and convected forms of heat transfer to both sides of a slice of bread and manually operable means for inversely varying the rates of heat transfer from the respective heating elements to the slice of bread.

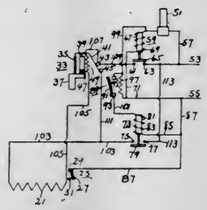
2,383,674
PROCESS FOR PRODUCTION OF SODIUM BICARBONATE
Sidney G. Osborne, Saint Davids, Ontario, Canada, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
No Drawing. Application August 21, 1941, Serial No. 407,756
2 Claims. (Cl. 204—87)

1. The cyclic process for production of precipitated sodium bicarbonate of high purity and with a high overall yield thereof and avoidance of any separate steps for evaporation of water or filtration of caustic soda solution which comprises supplying a substantially saturated solut on of sodium chloride to the anodic zone of an electrolytic diaphragm cell and therein electrolyzing it to decompose a part of the sodium chloride, thereby producing in the cathode zone of the cell an unsaturated solution containing caustic soda and sodium chloride; removing the solution from the cell; passing the solution through a bed of sodium chloride, thereby bringing the solution to substantial saturation with respect to sodium chloride and caustic soda, while leaving behind any insoluble impurities carried by the solution or sodium chloride; passing carbon dioxide into the saturated solution until the caustic soda therein is carbonated as far as practicable to sodium bicarbonate; filtering out from the solution the resulting precipitated sodium bicarbonate; adding water to the filtrate to replace the water decomposed in the electrolysis step; resaturating the resulting solution; and recycling the augmented solution to the anodic zone of the cell.

2,383,675
WATER HEATER CONTROL SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 20, 1944, Serial No. 527,302
5 Claims. (Cl. 219—39)

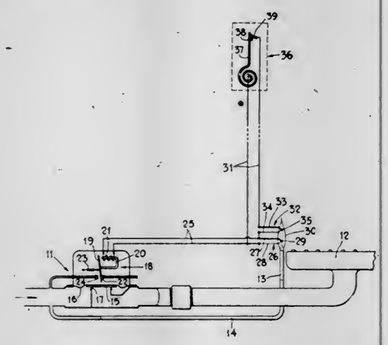
1. A control system for an electric heater for a hot water tank, comprising a main thermally-actuable heater control switch subject to tank water temperature at the lower end portion of the tank and adapted to be in closed position when subject to cold water, a second heater control switch means controlled by a light-sensitive

cell to be in open position during daylight hours and in closed position during night hours, a third heater control switch electrically connected in shunt circuit relation to said second switch and adapted to be normally in open position and a



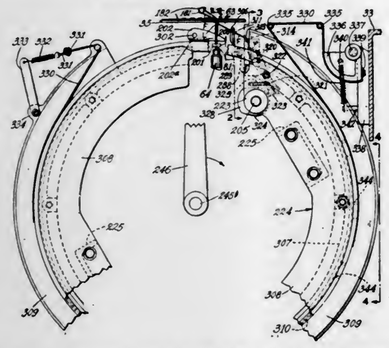
thermal timer means effective to cause movement of said third switch into closed position to effect energization of said heater with a predetermined time period of delay after daybreak in case said main switch is subject to cold water at daybreak.

2,383,676
THERMOELECTRIC CONTROL CIRCUIT
Eugene Paille, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application November 14, 1942, Serial No. 465,566
5 Claims. (Cl. 158—117.1)



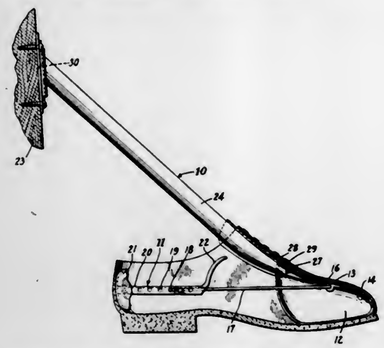
1. In a thermoelectric control system: an electrically operable device having an operated and an unoperated position, and biased to said unoperated position; thermoelectric generating means permanently connected to said device and normally capable of so energizing the device that it is moved to said operated position; and means for selectively controlling the energization of said device so that it is moved between said positions, comprising a circuit shunted across said device and said generating means and including additional thermoelectric generating means for producing an E. M. F. opposing that generated by said first-mentioned thermoelectric means, the resistance of said shunt circuit being so high that the shunt circuit is ineffective, without the aid of said opposing E. M. F., to reduce the amount of electrical energy received by the device to a value at which the device is moved to its unoperated position by said bias, and switching means for opening and closing said shunt circuit; both of said thermoelectric generating means being continuously active during normal operation of the system.

2,383,677
SEWING MACHINE
Mathias Pedersen, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application July 13, 1940, Serial No. 345,352
14 Claims. (Cl. 112—171)



1. In a sewing machine of the type described, having a pair of opposed needle bars for projecting a needle and a thread having a loose and a fixed end back and forth through material to be sewed, thread receiving drum mechanism located adjacent one of said bars, said mechanism comprising a ledge, a thread puller coacting with said mechanism for disposing the loose end of said thread upon said ledge, and a thread guide forming a part of said drum mechanism having an inclined face positioned above said ledge constructed and arranged to assist in the proper handling of said thread during the action of said puller.

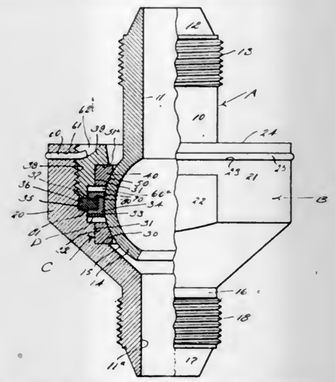
2,383,678
SHOE HOLDER
James R. Persinger, Burbank, Calif.
Application July 3, 1944, Serial No. 543,365
4 Claims. (Cl. 12—128)



1. A shoe support including a front portion adapted to fit within and engage the toe portion of a shoe, means carried by the front portion for holding it within the shoe, said front portion including a rounded top portion and integral downwardly extending sides which are of substantially the same thickness as the top portion, a supporting rod secured to the inner lower surface of the rear portion of the top of the shoe engaging member, said rear part of the top of the shoe engaging member being upwardly directed to correspond to the instep of a shoe, and the portion of the rod

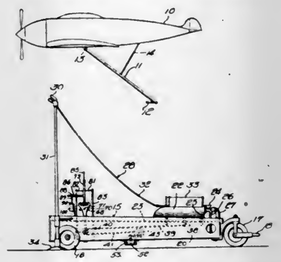
adjacent the support member being upwardly curved so that it is engaged by the instep portion of a shoe, the end of said supporting rod remote from said front portion being bevelled, and a supporting plate on the bevelled end of the supporting rod and secured thereto.

2,383,679
FLUID HANDLING COUPLING
Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California
Application December 27, 1943, Serial No. 515,830
5 Claims. (Cl. 285—95)



1. A fluid handling coupling including, a male section having a spherically curved head, a female section receiving the head, a packing unit carried by the female section engaging the head, and bearing means supporting the head in the female section and including bearing rings arranged at opposite sides of the packing unit and spaced therefrom establishing lubricant chambers at each side of the packing unit.

2,383,680
AIRPLANE PICKUP MECHANISM
John X. Phillips, Vienna, Va., assignor to G. Tucker Smith and E. Govan Hill, both of Richmond, Va., trustees
Application June 22, 1942, Serial No. 448,009
16 Claims. (Cl. 258—1.6)

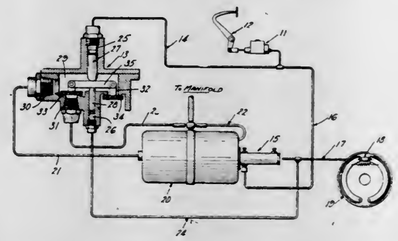


13. An airplane pick-up mechanism comprising a catapult adapted to hold an article to be projected, a source of power for exerting a force tending to operate said catapult, a latch normally holding said catapult against movement, a loop connected to the article on the catapult, means for supporting said loop in a position to be engaged by an airplane-carried pick-up element, means for releasing said latch upon the engagement of said pick-up element with said loop, a mechanism connected to said power source and operative for controlling energization of said source to determine the speed at which the article will be projected when said latch is released, a second mechanism movable in opposite directions from a normal position in accordance with wind direction and to an extent proportionate to wind velocity, and means for controlling the first named mechanism in accordance with the direction and extent of deflection of the second named mechanism whereby said source will operate said catapult to project the article at a speed approximating the land speed of the airplane.

2,383,681
COMPOSITION AND PROCESS FOR CLEANING AND PICKLING FERROUS METALS
Paul S. Pinkney and Halsey B. Stevenson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 11, 1942, Serial No. 457,978
8 Claims. (Cl. 252—150)

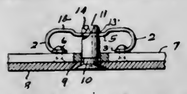
1. A process for cleaning and pickling ferrous metals comprising subjecting the metal to the action of a dilute non-oxidizing acid in the presence of a small amount of a thiazolinyl sulfide as an inhibitor, for controlling the corrosion of the metal by the acid.

2,383,682
CONTROL VALVE
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 28, 1941, Serial No. 420,805
1 Claim. (Cl. 121—46.5)



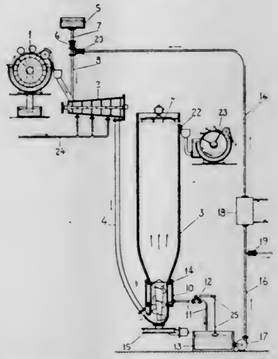
For use in a hydraulic system having a primary hydraulic pressure and a secondary hydraulic pressure, a control valve structure having two coaxial differential diameter bores, a piston in each of said bores, one subjected to the primary pressure and the other subjected to the secondary pressure, said pistons being independently reciprocable in their bores and being urged by hydraulic pressure toward one another, said control valve structure having an atmosphere port and a vacuum port, poppet valve elements for controlling the opening and closing of said ports, and a floating beam pivoted at one end to one of the poppet valve elements and at the other end to the other of said poppet valve elements, the center of said floating beam being acted on by said opposed reciprocable pistons, one of said poppet valve elements being moved from its seat by movement of the floating beam in one direction and the other of the poppet valve elements being moved from its seat by movement of the floating beam in the opposite direction.

2,383,683
CLAMPING DEVICE
Ledger L. Reidenbach, Houston, Tex., assignor to Rosa Suhm, Harris County, Tex.
Application May 3, 1943, Serial No. 485,525
1 Claim. (Cl. 24—221)



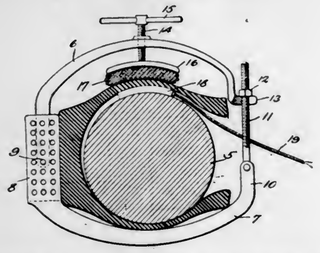
In a clamping device, a clamp member comprising a rod having a transverse portion and whose ends are correspondingly overturned in a substantially common plane the midsection of the transverse portion being offset, in said plane, relative to the adjacent portions thereof, said overturned ends being U-shaped and terminating in eyes in substantially the same plane which is approximately perpendicular to said common plane, said eyes being turned outwardly in opposite directions and being located in opposite sides of the plane of said U-shaped ends.

2,383,684
PROCESS OF CONTINUOUS ALKALI TREATMENT OF FIBROUS MATERIAL
Johan Christoffer Fredrik Carl Richter, Oslo, Norway, assignor to Aktiebolaget Kamyr, Karlstad, Sweden, a company of Sweden
Application April 29, 1942, Serial No. 440,966
In Sweden November 8, 1940
2 Claims. (Cl. 92—13)



1. The process of continuous alkali treatment of fibrous material, which consists in removing water from the fibrous material by displacement of water therein with alkali liquor, intimately mixing the fibrous material in a suitable mixing apparatus with a quantity of alkali liquor sufficient to effect treatment of said material and with an additional surplus quantity of alkali liquor sufficient to produce uniform distribution of the alkali in said material and a mixture of material and alkali liquor having a consistency such that said mixture is capable of being conveyed as a flowing liquid, causing such mixture of fiber material and liquor to flow to a reaction chamber, removing from said mixture preparatory to introducing it into said reaction chamber a quantity of alkali liquor substantially equal to the total quantity of alkali liquor used for displacement of water from the material and as surplus liquor mixed with the material in the mixing apparatus and such that due to its removal the material obtains a concentration suitable for the reaction, introducing said material into the reaction chamber, subjecting said material in said reaction chamber to treatment with the alkali liquor remaining in the material, employing a portion of such quantity of alkali liquor removed from the material preparatory to its introduction into the reaction chamber for removing water by displacement from a fresh quantity of fibrous material, and returning the remaining portion of such removed quantity of alkali liquor to the mixing apparatus and using such portion as surplus mixing liquor for a fresh quantity of fibrous material.

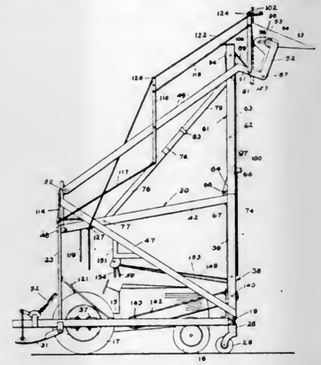
2,383,685
VULCANIZING APPARATUS
Ambrose Ridd, Louisville, Ky.
Application December 20, 1943, Serial No. 515,019
1 Claim. (Cl. 18—18)



A portable tire vulcanizing apparatus, comprising in combination, a solid core shaped to fit the interior of a tire casing and contact with the inner surface of the tire casing, a portable heating element curved to fit over the solid core between the core and casing under repair, a body portion embodying pivoted arms, adapted to be fitted around the tire casing in spaced relation therewith, a flexible pressure bag adapted to fit against the outer surface of the tire in which the core is positioned and conform to the contour of the outer surface of the tire, a curved pressure plate curved to conform to the contour of the tire casing fitted over the flexible pressure bag, a pressure screw on the body portion adapted to engage the pressure plate and direct pressure to the pressure plate and pressure bag, clamping the tire casing between the flexible bag, heating element and core.

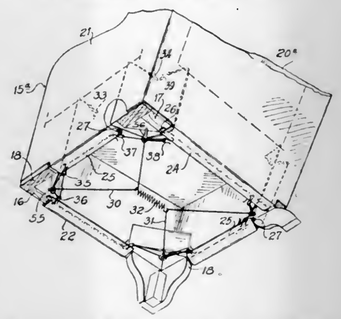
2,383,686
LOADING MACHINE
John E. Ryan, Stuart, Iowa, assignor to Ryan Floating Stacker Company, Stuart, Iowa, a copartnership
Application May 29, 1944, Serial No. 537,867
8 Claims. (Cl. 214—140)

1. A loading attachment for a tractor including a portable frame attachable with the tractor for movement therewith, a front upright portion and a rear upright portion on said frame, frame members connecting together said two upright portions, a pair of pivoted lifting arms arranged at opposite sides of said frame, means pivotally supporting said arms on said rear upright portion at a position substantially opposite the top level of said front upright portion, a load-carrying means carried between the front ends of said arms forwardly of said upright portion, a collapsible extension for said front upright portion, means pivotally supporting said extension adjacent the top of said front upright portion for pivotal movement to an upright position and to a collapsed position between said two upright portions, flexible lifting means for said arms, a first means adjacent the top of said front upright portion and other means adjacent the top of said extension for movably supporting said lifting means, with the load on said lifting means being suspended from said first means when said



extension is collapsed, and from said other means when the extension is in an upright position, and means operated by the tractor for raising and lowering said lifting means.

2,383,687
UPHOLSTERED FURNITURE WITH REMOVABLE COVER ON
Morris A. Saltz, Los Angeles, Calif.
Application November 10, 1941, Serial No. 418,514
6 Claims. (Cl. 155—182)



1. Upholstered furniture as described comprising a frame having a filled back and arm portions, a unitary removable cover therefor having free lower edge portions, a plurality of said edge portions having hems, equalizing rods in said hems, equalizing means under said frame adapted to be secured to said edge portions so that said cover has a close fit on said filled arm and back portions, said means including a draw cord having a plurality of cover engaging fasteners and a plurality of cord guide elements on the frame, a plurality of said fasteners adapted to engage said hems adjacent said rods.

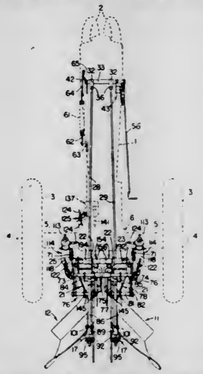
2,383,688
BORING TOOL
Donaldson Seiter, Detroit, Mich., assignor to Tungsten Carbide Tool Company, Detroit, Mich.
Application July 26, 1943, Serial No. 496,159
4 Claims. (Cl. 279—8)

1. A rotary cutting tool comprising a body member having a body portion adapted for driving connection with a driving member, said body portion having a pair of longitudinally spaced and



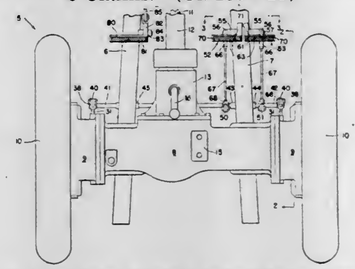
longitudinally tapering aligning and load bearing portions and an intermediate flat sided driving portion.

2,383,689
TWO-WAY PLOW
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 31, 1942, Serial No. 429,053
23 Claims. (Cl. 97—29)



1. An agricultural machine comprising supporting means, tool means, longitudinally shiftable means connected for generally fore and aft movement with said supporting means and pivotally connected with said tool means, substantially inextensible connecting means connected between said supporting means and said tool means at a point above the pivotal connection between said tool means and said longitudinal shiftable means, whereby longitudinal movement of the shiftable means adjusts said tool means so as to tend to cause it to change its depth of operation, and means on the supporting means for raising said tool means.

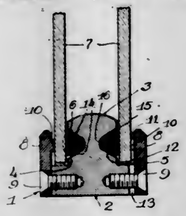
2,383,690
FOOT CONTROL PEDALS
Max Sklovsky, Moline, and Willard H. Nordenson, Rock Island, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 10, 1943, Serial No. 478,718
6 Claims. (Cl. 188—16)



1. In a tractor having laterally spaced drive wheels and a pair of brakes associated therewith,

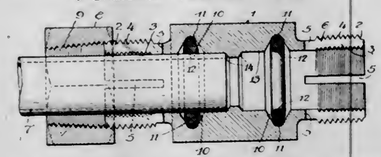
a separate brake pedal for each of said brakes, said brake pedals being disposed at one side of the operator's station on the tractor and having pedal faces disposed closely adjacent one another to provide for their simultaneous or separate operation by the operator's foot at the option of the operator, said pedals having shanks extending downwardly generally perpendicular to said pedal faces and disposed flush with the adjacent ends of said pedal faces, respectively, and coextensive with a major portion of said ends to prevent the operator's foot from catching under the other pedal when one of said pedals is operated separately.

2,383,691
WINDOW CONSTRUCTION
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application November 13, 1942, Serial No. 465,435
1 Claim. (Cl. 20—56.5)



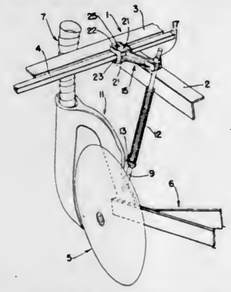
A window sash construction for mounting a pair of window panes in spaced relation, comprising a sash rail having a ledge at each side thereof for supporting a pane and a reduced projection having a substantially V-shaped recess in each side of the projection and opening outwardly therefrom, a substantially wedge-shaped resilient sealing ring composed of rubber-like material in each recess, said ring prior to sealing deformation being wedge shaped and having the base thereof rounded and projecting beyond the recess opening for resilient sealing contact with a pane, the base of each recess and the vertex of each sealing element having substantially the same rounded contour and with the opposite sides of the sealing element spaced from the sides of the recess, and a clamping molding secured to each side of the rail and having a pane engaging part adapted to engage the exterior face of a pane and force the interior face of the pane into sealing contact with the base of a sealing element to deform the rounded base into substantially flat sealing contact with the pane but leaving spaces between the side walls of the recess and the sides of the ring.

2,383,692
PIPE OR TUBE COUPLING
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application March 29, 1943, Serial No. 480,905
2 Claims. (Cl. 285—123)



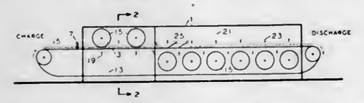
1. A coupling for joining the ends of tube or pipe sections, comprising a coupling body provided with a centrally disposed internal shoulder against which the sections abut and a substantially V-shaped recess disposed at a substantial distance from and to each side of the internal shoulder, projecting ends on the coupling each of which is provided with a threaded exterior and a serrated interior, an internally tapered lock nut threaded onto the exterior of the ends for forcing the serrations on each projecting end into the surface of a tube section for locking this section in the coupling, and a sealing ring in each recess for sealing the space between the interior of the coupling and a tube section.

2,383,693
GRAIN DRILL
John H. Starr, Mayville, Wis., assignor to The Van Brunt Manufacturing Co., Horicon, Wis., a corporation of Wisconsin
Application January 7, 1944, Serial No. 517,455
10 Claims. (Cl. 74—102)



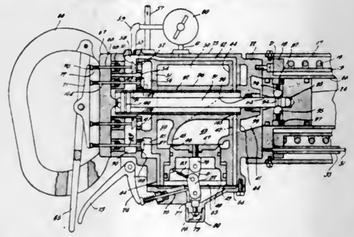
1. In apparatus of the type described having a pressure shaft and a member adapted to be raised and lowered, a pressure rod connected with said member, an arm adapted to be fixed to said shaft, the outer end of said arm being bifurcated to provide a generally vertical slot having a pair of adjacent mutually facing surfaces spaced apart a distance substantially equal to the diameter of said rod, each of said surfaces being arcuate about a center and shaped to accommodate rotation of said pressure rod about said axis and prevent lateral displacement of said rod between said surfaces generally in the plane of said arm.

2,383,694
METHOD FOR DRYING MATERIALS
John E. Steiner, Cambridge, Minn., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 15, 1942, Serial No. 458,416
3 Claims. (Cl. 18—48)



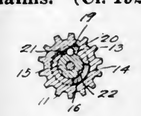
1. A method of continuously drying wet-solids material of a semiplastic nature which is sufficiently stiff to retain channels after they have been formed in said material which comprises distributing the material in a layer of uniform depth, scoring the distributed material substantially throughout its depth to form channels therein, and subjecting the scored material to a drying medium under sufficient pressure to cause passage of said drying medium through the bottom wall of each of said channels.

2,383,695
IMPACT WELDER
Ralph S. Thacker, West Los Angeles, Calif., assignor to Leo M. Harvey, La Canada, Calif.
Original application May 28, 1940, Serial No. 337,638. Divided and this application August 24, 1942, Serial No. 456,122
11 Claims. (Cl. 219—4)



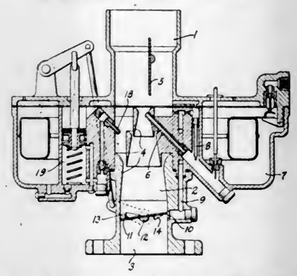
10. In a welder, means forming an electrode for engaging the work to be welded, means for continuously applying a steadily increasing pressure on said electrode, and means for passing heating current to the electrode for a predetermined period beginning substantially above the initial pressure and ending substantially below the maximum pressure, including a time delay means.

2,383,696
LAWN MOWER GEAR AND LOCKING DEVICE
Francis Edward Thompson, Lawrence, Mass.
Application May 23, 1944, Serial No. 536,910
2 Claims. (Cl. 192—46)



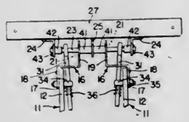
1. A device for a gear and a shaft rotatably supporting the same, comprising a roller like locking pin interposed between the gear and shaft, a loop-like spring about the shaft and carrying the pin for imparting tension thereon, and a stepped cam on the gear for action on the pin to lock and unlock the gear and shaft to and from each other on clockwise or counterclockwise movements thereof.

2,383,697
TURBULENCE PRODUCING VALVE
August H. Wassman, St. Louis County, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application November 28, 1942, Serial No. 467,210
2 Claims. (Cl. 261—41)



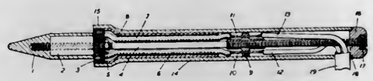
2. In a carburetor, a downdraft induction conduit, a throttle disc pivoted therein, an accelerating nozzle discharging into said conduit above said throttle valve, an idle port discharging into said conduit adjacent an edge of said throttle valve when closed, said edge moving anteriorily relative to said port during the throttle opening movement, a foraminous baffle projecting posteriorily from said throttle edge for intercepting and atomizing the fuel discharged from said port in the part throttle range of said throttle valve, and a second foraminous baffle projecting anteriorily from the opposite edge of said throttle valve for intercepting and atomizing the discharge from said pump.

2,383,698
PLOW
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Original application February 3 1941, Serial No. 377,095. Divided and this application September 4, 1942, Serial No. 457,526
15 Claims. (Cl. 97—199)



1. A plow comprising means serving as a supporting frame, a plow beam, and means connecting said plow beam with said frame to accommodate generally vertical swinging movement relative thereto but preventing generally oscillatory movement of said beam relative to said supporting frame means about a generally longitudinal axis, said connecting means comprising a transverse bar on the supporting frame means, a first member fixed rigidly at one end to the plow beam so as to move therewith at all times, the other end being slotted and receiving said transverse bar, a second member engaging said transverse bar at a point spaced laterally of said first member and connected for relative movement longitudinally of said plow beam so as to move therewith at all times, and spring means resisting shifting movement of said second member relative to the plow beam.

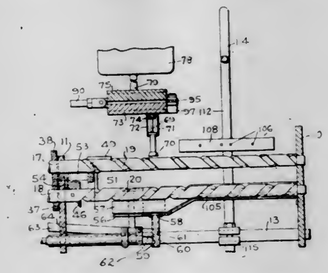
2,383,699
SOLDERING IRON
Alan Baxter Atkinson, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 16, 1944, Serial No. 554,391
In Great Britain September 3, 1943
2 Claims. (Cl. 219—26)



1. A soldering iron comprising a handle of insulating material formed as a tubular body of relatively small cross-section having a flared marginal end portion, an insulating disc fitted within the marginal end portion of the body, a soldering bit having a recessed rearward portion and a threaded internal bore, a heat distributing sleeve member of high conductivity metal fitting within the forward portion of the handle and formed with a flared end portion bearing on the flared portion of the handle and having the body

thereof extended within the handle for heat dissipation over an extended area thereof, a clamping bolt extending longitudinally through the handle with threaded engagement with the bit and provided with a clamping shoulder engaging the disc, an adjustable terminal member threaded on the outer end portion of the bolt and positioned within the handle, a clamping member secured to the outer end of the bolt in engagement with the handle for the clamping of the parts, an electrical resistance heating element within the bit recess and connecting leads thereof connected to the terminal member.

2,383,700
AMPOULE FILLING AND CONVEYING MACHINE
William T. Barker, Mount Vernon, N. Y.
Application December 17, 1941, Serial No. 423,270
7 Claims. (Cl. 226—96)

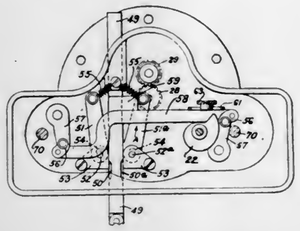


1. In an ampoule conveying machine, a pair of vertically spaced-apart horizontal intermittently-rotated feed-screws, each having a helical groove formed in the surface thereof, means to guide a plurality of ampoules in vertical position and hold them in the successive turns of said feed screws and on both sides thereof comprising a horizontal ampoule-supporting bar below the lowermost feed screw, and side guide members for said ampoules, whereby said ampoules will be automatically advanced in a horizontal direction by the rotation of said feed screws, filling means and means responsive to the absence of ampoules in said feed screws to automatically stop the operation of said filling means.

2,383,701
METHOD OF MAKING BITUMINOUS MATERIALS
Walter Becker and Wilhelm Maass, Hamburg, Germany; vested in the Alien Property Custodian
No Drawing. Application September 6, 1938. Serial No. 228,678. In Germany September 6, 1937
1 Claim. (Cl. 196—74)

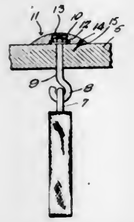
A process for the preparation of bituminous materials having a high resistivity against heat and cold and a low viscosity adapted for use as binders, saturants, and adhesive compounds, which comprises blowing a distillate free from asphalt derived from an asphalt-containing crude with air at a rate of about 376 liters per hour per 40 kilograms and a temperature between 160° C. and 200° C. for a period of 30 to 200 hours and sufficient to form a bituminous asphalt product having a temperature difference between the softening and breaking point of at least 75° C. and an Engler viscosity at 150° C. of about 10.

2,383,702
PREDETERMINING COUNTER FOR FLUID METERS
William F. Berck, Hayward, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application March 4, 1941, Serial No. 381,644
5 Claims. (Cl. 235—132)



1. In a mechanism of the character described, two registers, a common drive for driving said registers in opposite directions, a reciprocable latch bar and means for maintaining the latch bar in one position, means for operating said maintaining means to release said latch bar, said operating means including two constantly driven shafts, one of said shafts associated with each register, a tripping cam rotatable with each shaft and means controlled by said registers to render said tripping cams operative and means operated by either of said cams when so rendered operative to cause release of said maintaining means, there being other means present to reverse the direction of rotation of said common drive, such last named means being connected with the means operated by said cams to be actuated concurrently with the tripping movement of said tripping cam.

2,383,703
NUT AND BOLT CAP
Arthur H. Boelter, Appleton, Wis.
Application December 2, 1943, Serial No. 512,622
1 Claim. (Cl. 85—56)

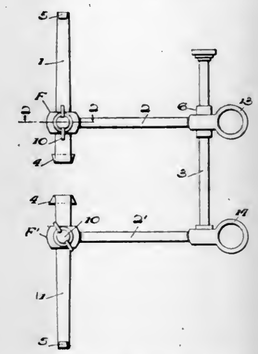


A cap for attachment to a flat surface over a nut and washer on a bolt, said cap comprising a solid dome-shaped body having a flat bottom face for engagement with said surface, the diameter of the flat base being at least four times the altitude of the dome thereby affording a relatively gentle slope to the curved surface and a stepped axial socket of a diameter not greatly exceeding the width of the surrounding surface extending inwardly thereof from said face and adapted to fit around said nut and washer to enclose the same, said body being provided with edge apertures adapted for the insertion of fastening screws therethrough.

2,383,704
BURNISH GOLD
Kermit H. Ballard, Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1944, Serial No. 519,351
10 Claims. (Cl. 106—1)

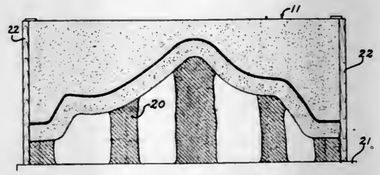
1. A burnish gold preparation which comprises metallic gold, metallic silver, and powdered sulfur.

2,383,705
SURGICAL SEPARATOR
Mario Chapo Bortagaray, Resistencia, Argentina
Application April 22, 1943, Serial No. 484,051
2 Claims. (Cl. 128—20)



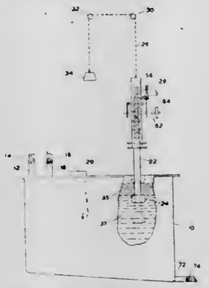
1. A surgical retractor device, including, a rod of non-circular cross-section, a pair of parallel arms carried by said rod, one of said arms being rigid therewith and the other being slidable thereon, said arms each provided at their outer ends with outwardly opening and open-sided slots, retractor arms formed with relatively flat intermediate portions fitted edgewise in said slots with their longitudinal axes at right angles to the arms and adjustable lengthwise through the open-sided slots, and manually operated clamping means cooperating with said slots for holding said retractor arms secured in selected adjusted positions.

2,383,706
METHOD OF MAKING PRELIMINARY SHAPING DIES
Lewis E. Burger, La Mesa, and Jennings B. Skinner, San Diego, Calif., assignors to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application February 23, 1944, Serial No. 523,516
6 Claims. (Cl. 76—107)



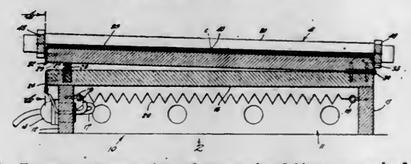
1. In the art of sheet stamping and drawing, the method of preparing a preliminary shaping die from a later stage die, said method comprising the steps of: first, forming in said later stage die a flexible, substantially non-stretchable and non-compressible sheet pattern; second, removing said sheet pattern from said later stage die and partially flattening it to reduce its depth and increase its projected area without materially changing its absolute area; and third, using said flattened sheet pattern as a mold to reproduce its shape in the preliminary shaping die to be prepared.

2,383,707
PROCESS FOR THE TOP SEPARATION OF NITROTOLUENE
Marvin H. Carl, Weldon Spring, Mo., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application January 27, 1943, Serial No. 473,712
4 Claims. (Cl. 260—645)



1. In a process for the preparation of nitrotoluene in which a compound selected from the group consisting of toluene and a lower nitrotoluene is reacted with a nitrating mixture in a reaction zone so as to produce a nitrotoluene product and spent nitrating mixture in said zone, the steps which comprise allowing the reacted mixture to separate in said zone into layers of which the top layer comprises nitrotoluene product, removing the nitrotoluene from the remainder of the reacted material in said zone by drawing off said nitrotoluene in a stream, at least the initial direction of which is along a line intersecting the plane of the interface defining the bottom of said nitrotoluene layer, said stream initiating from a plane parallel to and no lower than said interface, commencing said removal before all of the nitrotoluene has separated from the reacted mixture, and continuing said removal while the remainder of the nitrotoluene separates.

2,383,708
APPARATUS FOR MOUNTING FOUNDATIONS
Gilbert A. Carpenter, Riverside, Calif.
Application April 15, 1944, Serial No. 531,223
3 Claims. (Cl. 6—12)

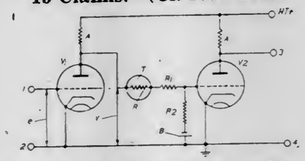


1. In an apparatus for embedding a reinforcing wire in a wax comb foundation, the combination of: a platform for supporting said foundation; means for yieldably supporting said platform; and means operative when said reinforcing wire is stretched and pressed downwardly against an upper face of said foundation to pass electricity through said wire and heat the same causing it to embed itself in said foundation.

2,383,709
GLASS ELECTRODE AND METHOD
Henry H. Cary, South Pasadena, and Warren P. Baxter, Pasadena, Calif., assignors to National Technical Laboratories, South Pasadena, Calif., a corporation of California
No Drawing. Application August 2, 1940, Serial No. 349,860
13 Claims. (Cl. 204—1)

6. A method of measuring the pH of solutions over a protracted period of time and at an elevated temperature in excess of about 50° C., which comprises: contacting the solution while at such elevated temperature in excess of about 50° C. with one surface of a thin glass membrane having a second surface in contact with a reference solution, said membrane being composed of a sodium-calcium-silicate glass having less than about 19 mol per cent of sodium oxide; and using variations in potential across said membrane to indicate the pH value of the hot solution.

2,383,710
THERMIONIC VALVE CIRCUITS
Prafulla Kumar Chatterjea and Charles Thomas Scully, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application March 10, 1944, Serial No. 525,815
In Great Britain May 14, 1943
15 Claims. (Cl. 179—171)



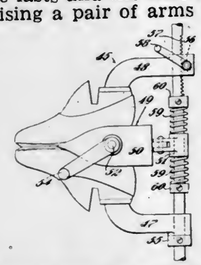
1. In a multi-stage thermionic valve amplifier means for coupling the anode of one valve to the control grid of the following valve, said means including a network adapted to transmit direct current and comprising a non-linear resistance element and at least one ordinary resistance so selected and disposed that the proportion of the anode voltage variation transferred to the grid is greater than the proportion of the mean anode voltage so transferred.

2,383,711
PREPARATION OF ALKENALS AND ALKENONES
Alfred Clark and Richard S. Shutt, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application January 26, 1942, Serial No. 428,256
29 Claims. (Cl. 260—597)

1. The process of preparing an organic compound of the group consisting of unsaturated aldehydes and ketones which comprises passing an olefinic hydrocarbon and gases containing molecular oxygen over a catalyst selected from the group consisting of metal selenites and tellurites.

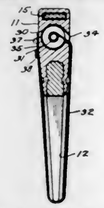
2,383,712
LASTING SHOES
Michele Cuozzo, Lynn, Mass.
Original application September 3, 1941, Serial No. 409,368. Divided and this application February 3, 1944, Serial No. 520,868
3 Claims. (Cl. 12—12)

1. A machine for simultaneously pulling over the quarters and shanks of a pair of lasted shoes, the vamps of which shoes form a unit into which the toes of the lasts and the shoe insoles are inserted, comprising a pair of arms which engage



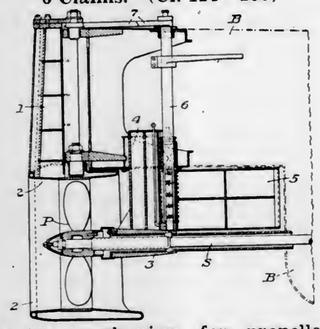
the lasts and hold them in position and a wiping device which simultaneously engages the entire lasting margins of the quarters and shanks of both shoes.

2,383,713
COMB
August Anthony Dapolito, Jersey City, N. J., assignor of one-half to Leonard L. Guardino, Jersey City, N. J.
Application July 19, 1944, Serial No. 545,575
5 Claims. (Cl. 132—11)



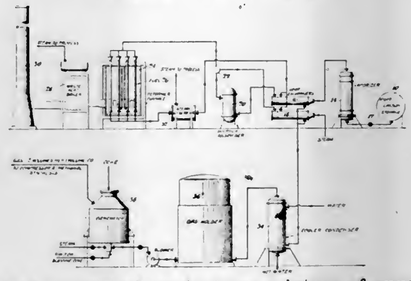
1. In a device of the character described, a comb body having a cylindrical recess therein and a slot opening into said recess, teeth associated with said comb body, an axle in said recess, a sheet of material adapted to be utilized as a cover for said comb rolled about said axle in said recess, means facilitating unrolling of said sheet through said slot for positioning about the teeth of said comb, means for securing said sheet in unrolled position, and resilient means for urging said sheet to rolled position when said securing means are released.

2,383,714
RUDDER FOR BOATS
Albert J. Dawson, Pittsburgh, Pa., assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1943, Serial No. 493,744
6 Claims. (Cl. 114—166)



1. Steering mechanism for propeller-driven ships comprising a nozzle element about the propeller movable in an arc about an axis substantially perpendicular to the axis of rotation of the propeller, a rudder element forwardly of the nozzle, said rudder element being pivotally supported at the aft end thereof, and means differentially coupling the rudder and the nozzle for concomitant operation through differing degrees of arc.

2,383,715
PRODUCTION OF GAS MIXTURE FOR METHANOL
Fredrik W. de Jahn, New York, N. Y.
Application April 17, 1943, Serial No. 483,534
3 Claims. (Cl. 252—373)



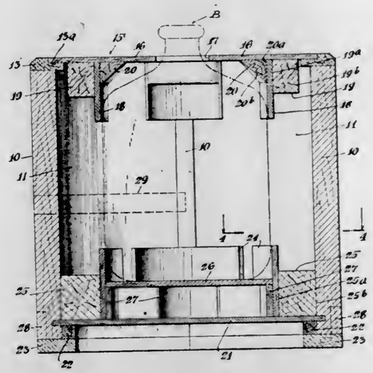
1. A process of producing a mixture of approximately one volume of carbon monoxide with two volumes of hydrogen in a form adapted for use in making synthetic methanol which comprises decomposing a hydrocarbon not having substantially more than three molecules of carbon for each 8 molecules of hydrogen with an excess of steam under conditions adapted to produce a substantial proportion of CO_2, whereby there is produced a gas mixture comprising hydrogen, carbon monoxide, carbon dioxide and residual steam and then after removing residual steam passing such gas mixture through a bed of incandescent carbon to convert CO_2 to CO while adding steam to the gas mixture passed through the incandescent carbon, in order to adjust the amount of CO in the residual gas mixture to the desired proportions.

2,383,716
MANUFACTURE OF FIBROCEMENTITIOUS SHEETS
James Driscoll, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 30, 1942, Serial No. 463,942
2 Claims. (Cl. 260—41)

1. The method of making flexible sheets adapted for use as packing and the like comprising, forming an intimate mixture of solvent reduced thermoplastic polychloroprene binder and asbestos fibers, sheeting out the mixture while heating it to a temperature not substantially exceeding 200° F., thereby removing solvent therefrom by volatilization, and heat curing the binder by immersing the sheet in a bath of mineral oil for a period of at least 15–30 minutes while maintaining such oil at a temperature of 250–350° F.

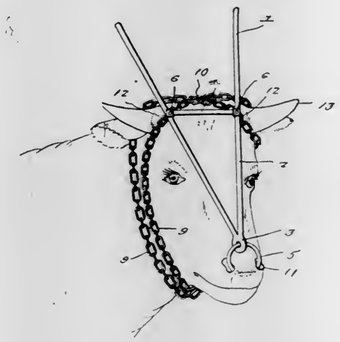
2,383,717
CARBOY CONTAINER
Oscar Fisher, Locust Valley, N. Y.
Application November 7, 1942, Serial No. 464,924
8 Claims. (Cl. 217—52)

2. In a carboy container, the sub-combination of a bottom for the container, a plurality of arcuate members secured to said bottom in a ring to receive and engage the sides of a bottle, a circular panel within said arcuate members and in



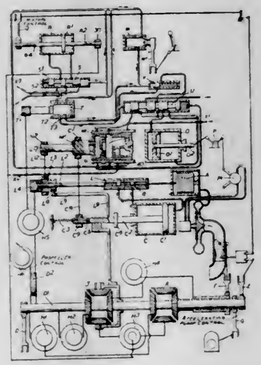
spaced relation to said bottom for supporting said bottle, and means supporting said panel at its edges to permit said panel to flex under impact.

2,383,718
ANIMAL POKE
Andrew Gardell, Ellensburg, Wash.
Application April 20, 1944, Serial No. 531,910
1 Claim. (Cl. 119—136)



A poke for a horned animal comprising a pair of upwardly diverging side bars adapted to extend upwardly over the face of the animal and above the head of the same and having joined lower ends, means to connect said ends to the nostrils of the animal comprising a nose ring on which said ends are swiveled, and means to anchor said bars intermediate the ends thereof to the head and neck of the animal comprising a pair of chain loops extending around said neck and crossed over the animal's head, a cross bar extending between said side bars and adapted to lie against the forehead of the animal, and a pair of bolts extending through said side bars at the junctures of the cross bar therewith, said chain loops each having ends anchored to the bolts of said pair.

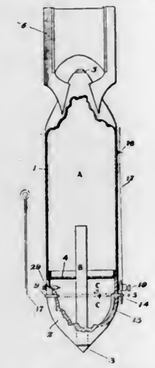
2,383,719
APPARATUS FOR THE CONTROL OF INTERNAL-COMBUSTION ENGINES
Frank Bernard Halford, Edgware, and Percy John Wallace, Harrow Weald, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application December 5, 1942, Serial No. 467,976
In Great Britain October 13, 1941
7 Claims. (Cl. 123—119)



1. In apparatus for the control of internal combustion engines as used for the propulsion of aircraft said engines including the usual manifold, supercharger, timer, throttle, supercharger drive, airscrew and governor of usual construction, the combination of a hand lever operative to control the fuel supply, a differential gear and means by which this hand lever is operative through this gear to actuate the throttle, a second differential gear with means whereby the said hand lever is operative through this differential gear to vary the ignition timing, a ported sleeve with gearing through which this sleeve can be moved by the said hand lever, a pressure sensitive capsule disposed where it will be subject to the boost pressure in the engine induction manifold the capsule having a constant action determined only by this boost pressure, a valve disposed and movabe within the said ported sleeve and controlling the ports in that sleeve which can be moved by the said hand lever in relation to the valve, means by which this valve is moved by the said capsule, a boost servomotor controlled by the said capsule-actuated valve, a second servomotor operative to bring about a gear change in the drive to a supercharger, means by which the said second servomotor is controlled by the said boost servomotor, means whereby the said boost servomotor is operative through the said first differential gear to actuate the throttle, and means whereby the said hand lever can control the said second servomotor and is also operative on the airscrew governor.

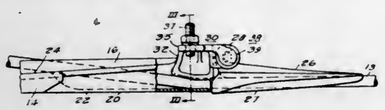
2,383,720
INCENDIARY BOMB
Samuel B. Hamilton, Knoxville, Tenn.
Application December 23, 1942, Serial No. 469,949
6 Claims. (Cl. 102—6)

1. An incendiary bomb comprising a shell enclosing a chamber therein for a combustible liquid, a nose portion attached to one end of the shell and enclosing a feeder chamber therein for containing fuel, a burner surrounding the first-mentioned chamber and constructed for directing flames substantially against the surrounding wall thereof for preheating the combustible liquid therein, a valve for controlling discharge of



the fuel from the feeder chamber to said burner, means for opening said valve, and means for igniting said burner.

2,383,721
TROLLEY CONDUCTOR DEVICE
Raymond P. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1943, Serial No. 479,041
10 Claims. (Cl. 191—43)

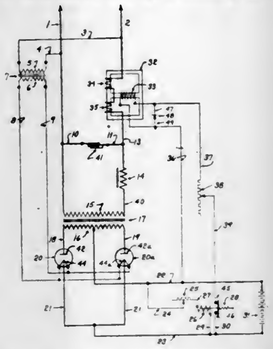


3. The combination in a trolley conductor system; of a trolley conductor device having a runner portion with a longitudinal groove to receive different sizes of conductor and a flange projecting to one side of the groove adjacent one end, an adapter adjustably secured to the device comprising a dependent tongue portion disposed to depress the conductor into the groove and having laterally projecting flange means integral with the tongue portion and cooperative with the flange of the runner portion to secure the tongue portion in the groove, said adapter being provided with a clevis integral with the tongue portion at the outer end, and an approach member having depending lips disposed to be formed about the conductor and upwardly projecting hook means cooperative with the clevis to secure the approach member to the adapter in predetermined relation to the conductor.

2,383,722
AUTOMATIC RECTIFYING DEVICE
Eugene H. Haug, Chicago, Ill., assignor, by direct and mesne assignments, to La Salle National Bank, Chicago, Ill., as trustee
Application March 9, 1943, Serial No. 478,523
4 Claims. (Cl. 175—363)

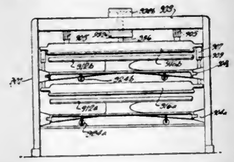
1. An automatic rectifying device for use with an alternating current supply comprising a resonant type of constant potential to constant current transforming device, a rectifier, a direct current load connected to the otuput of the rectifier, a saturating winding associated with one of the reactance elements of the resonant circuit to vary

the reactance thereof, a switch controlling connection of the saturating winding to the rectifier



output, and means responsive to the voltage across the rectifier output to control the switch.

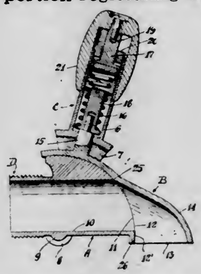
2,383,723
PRESS
Leo M. Kahn, New York, N. Y.
Application May 11, 1939, Serial No. 272,972
In Great Britain May 12, 1938
28 Claims. (Cl. 38—22)



1. In a device of the character described, the combination comprising a first head, a second head which is at all times higher than said first head, a first buck associated only with said first head, a second buck associated only with said second head, means for moving said first buck from a pressing position beneath said first head to a forward work-receiving position which position is in a vertical plane spaced from said heads and between said heads and the operating station of the operator of said buck and which position is sufficiently forward of said first head to expose the entire work-receiving surface of said first buck independently of the position of said first head, means for moving said second buck from a pressing position beneath said second head to a work-receiving position which is sufficiently forward of said second head to expose the entire work-receiving surface of said second buck independently of the position of said second head, and means for moving said heads and their respective bucks into pressing engagement simultaneously, said means for moving including means for giving a relative motion, between each of said heads and all of said bucks.

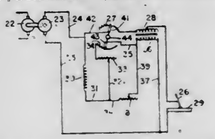
2,383,724
SWING FAUCET
Felix Klein, New York, N. Y.
Application July 29, 1943, Serial No. 496,572
2 Claims. (Cl. 251—19)

1. A swing faucet comprising a tubular body portion having a straight cylindrical bore from end to end and terminating at one end in a lower lip and adapted to be connected to a fluid supply at the other end, a pivot means adjacent the under surface of said tubular body portion for attachment of a relatively movable spout portion, a curved end portion on said body concentric with said pivot means so that said lower lip of the end of the tubular portion protrudes forward, a closure and spout unit having an upper closure portion concentric with said end portion and slidable to upper and lower positions on said curved end portion of said body and comprising a lower spout portion registering with the end of



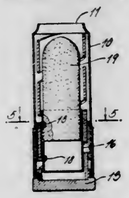
said tubular portion and curving downward and terminating at substantially the level of said lip in the upper open position of the closure to form a downwardly directed orifice and correspondingly direct the outflow of said fluid from said straight bore, and a handle portion connected to said pivot means and having a spring pressed portion engaging against said closure and spout unit to resiliently connect said unit and said pivot means.

2,383,725
ELECTRIC WELDING APPARATUS
George G. Landis, University Heights, and Norman J. Hoenie, Cleveland Heights, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application February 25, 1943, Serial No. 477,066
9 Claims. (Cl. 171—229)



2. An arc-welding system comprising a welding current generator, an adjustable resistor mounted adjacent the generator and adapted to determine the normal output of the latter, and a portable resistor connected in parallel with, and adapted to vary such normal output without readjusting said first-named resistor.

2,383,726
CONTAINER
Joseph Leshin, New York, N. Y.
Application January 6, 1944, Serial No. 517,184
1 Claim. (Cl. 206—56)



A container comprising a casing, a revoluble base member carried by said casing; a com-

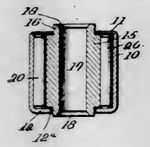
modity carrier within said casing; a resilient guide member spaced from said commodity carrier and slidably and frictionally contacting the inner wall of the casing, and adapted to be retained from revoluble movement during the longitudinal movement of said commodity carrier; a helical member carried by said base member and having spaced convolutions, said helical member being positioned between said commodity carrier and said resilient guide member; connecting means secured to said resilient guide member passing through a convolution of said helical member and connected with said commodity carrier, and a cover for the device.

2,383,727

UNIT-TYPE ANTIFRICTION BEARING AND METHOD OF MAKING THE SAME

Donald Edward Lewis, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Maine

Application July 11, 1942, Serial No. 450,594
2 Claims. (Cl. 308—213)



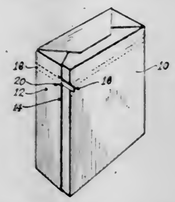
1. The process of making a unit-type anti-friction bearing having an outer race, anti-friction members, and an inner race which consists in progressively forming in successive operations a cup of circular section having at one end an inturned flange which extends inwardly for engagement with the inner race to detain the same against axial separating movement and partially forming at the other end a second flange in the shape of a truncated cone while the metal is in a soft condition and providing in said second flange an opening larger than the outside diameter of the inner race and thereafter hardening said second flange, introducing the anti-friction members and inner race through said opening and positioning them in the cup with the race in engagement with the inturned flange of the cup, and then finally bending said second flange inwardly into engagement with the inner race to detain the same against axial separating movement.

2,383,728

PACKAGE

John W. Little, Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application August 19, 1942, Serial No. 455,285
3 Claims. (Cl. 229—51)



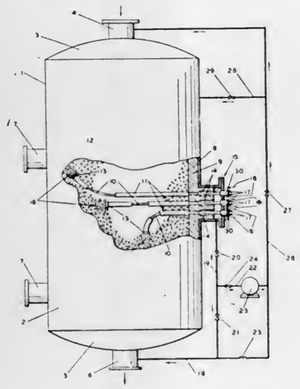
1. A package having a wrapper extending about the package and formed of a plasticized non-fibrous material and a separate unattached tear strip located beneath the wrapper and extending about the package with an end of the strip projecting beyond an outer edge of the wrapper, said strip being a single unfolded band of plasticized non-fibrous material similar to that of the wrapper but thicker than the wrapper and containing less plasticizer per unit of thickness than the wrapper, as a result of which the strip possesses a greater tensile strength and a greater stiffness than the wrapper whereby the strip may be advanced by a pushing operation in wrapping the package and permitting the wrapper to be torn by the strip when the strip is pulled against the edge of the wrapper.

2,383,729

CATALYST CHAMBER APPARATUS

John W. Loy, McLean, Va., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 9, 1943, Serial No. 513,594
10 Claims. (Cl. 23—288)



6. In apparatus of the character described wherein a closed chamber having a fluid inlet and a fluid outlet contains at least one bed of solid catalyst material, the improvement comprising a receptacle, a plurality of heat insulated conduits adapted to transmit fluid from the interior of the chamber into the receptacle, said conduits each including an outlet that communicates with the receptacle and extending into the chamber so that its individual inlet is disposed in a corresponding predetermined region of the catalyst bed, a thermocouple for each conduit, at least a portion of each thermocouple being disposed in the outlet of the corresponding conduit, and means communicating with the receptacle and adapted to return fluid transmitted thereinto to the interior of the chamber.

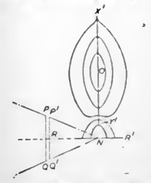
2,383,730

ANTENNA SYSTEM

Alan Julian Maddock, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company

Application March 10, 1943, Serial No. 478,683
In Great Britain March 27 1942
5 Claims. (Cl. 250—11)

1. An antenna system comprising an antenna having a polarized radiation characteristic and a conducting surface arranged in close proximity to one end of said antenna and having a radiation characteristic polarized along an axis of polarization different from that of the radiation characteristic of said antenna, and conducting means extending across a predetermined solid



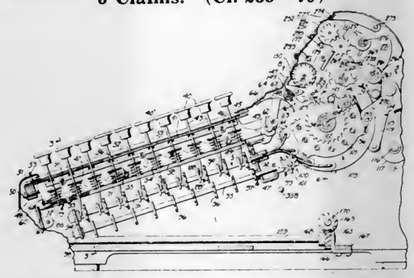
angle formed around said axis of polarization for shielding said antenna from the radiation polarized along said axis of polarization.

2,383,731

CALCULATING MACHINE

Walter E. Mathi, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application September 30, 1940, Serial No. 359,054
3 Claims. (Cl. 235—79)



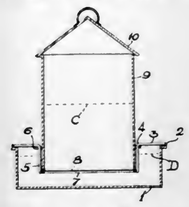
1. A calculating machine comprising, in combination with a frame and a multi-order register supported by said frame, each of said orders of said register comprising a driven gear, of a second frame movably supported by said first mentioned frame, a plurality of drive shafts rotatably supported by said second frame, actuating means for said drive shafts, a carriage, drive gears on said carriage and adapted to mesh with certain of said driven gears, means forming a slidable keyed connection between each of said drive shafts and a respective one of said drive gears, means for moving said frames relative to each other to separate said drive gears and said driven gears, and means for shifting said carriage along said shafts to position said drive gears to mesh with different ones of said driven gears.

2,383,732

FEEDING APPARATUS FOR CHICKS

Milton P. Niersbach, Petaluma, Calif.

Application September 29, 1944, Serial No. 556,452
5 Claims. (Cl. 119—52)



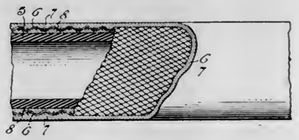
1. In feeding apparatus for chicks, an open top pan for holding feed; an open guard resting on the upper edges of the pan having a substantially horizontal ring-shaped member provided with a number of openings permitting chicks to reach the feed in the pan and a depending ring-shaped member suspended from the inner edges of the horizontal ring-shaped member; and an open bottom feed container positioned inside the depending ring-shaped member and supported thereby in spaced relation to the bottom of the pan.

2,383,733

TUBE STRUCTURE

Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application March 31, 1941, Serial No. 386,211
2 Claims. (Cl. 138—55)



1. A flexible tubular structure comprising an inner tube of rubber, a surrounding sleeve of braided glass fibers, and an external coating of a flexible plastic penetrating through the interstices of said sleeve and individually coating the fibers thereof and cushioning them against mutual severing contact, said penetrating coating being bonded to said inner tube.

2,383,734

EXPANDED CELL TIGHT RUBBER-AVOIDANCE OF SURFACE STICKINESS

Hans Pfleumer, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. a corporation of Delaware

No Drawing. Application March 18 1942,
Serial No. 435,222
4 Claims. (Cl. 260—725)

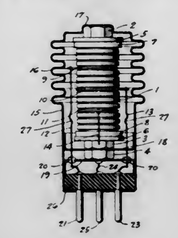
1. In the process of manufacturing cell-tight expanded cellular rubber, the steps of preparing a rubber mix containing sulphur sufficient for vulcanization, coating the surface of the rubber with a mixture of antimony pentasulphide and precipitated sulphur, subjecting the rubber to heat sufficient to at least partially vulcanize the same, and at the same time subjecting the rubber mix to an externally applied impregnating gas under high pressure.

2,383,735

RECTIFIER

William A. Ray, Glendale, Calif.

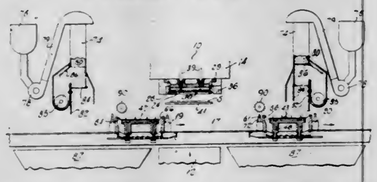
Application April 2, 1943, Serial No. 481,523
4 Claims. (Cl. 175—366)



1. In a rectifier structure, a stack of contacting rectifying elements, a support for the stack and a sealed container for said stack and secured

to the opposite ends of the support, said container being corrugated to permit its ready accommodation to expansion and contraction of the support.

2,383,736
APPARATUS AND METHOD FOR MOLDING FIBROCEMENT SHEETS
Ernest Wayne Rembert, Hinsdale, Ill., Ernest A. Winter, Copperhill, Tenn., and Walter Reinecker, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 11, 1943, Serial No. 502,046
18 Claims. (Cl. 25—42)



6. Apparatus adapted for molding dense and hard asbestos-cement sheets comprising, a heavy duty, high speed press having vertically aligned pressure applying platens, telescopically fitting inverted mold cavity and upright mold plunger platform elements operatively connected respectively with the upper and lower press platens, means for distributing a mold charge in a layer of predetermined thickness over the top surface of said plunger platform, a resilient rubber texture plate forming the base of the mold cavity, and shearing knives forming the walls of the mold cavity and arranged in closely confining and tight fitting engagement with the texture plate and platform sides.

2,383,737
DETERGENT COMPOSITION
Albert S. Richardson, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application February 18, 1942, Serial No. 431,447
16 Claims. (Cl. 252—152)

1. A cleansing composition comprising essentially a mixture of a detergent having pronounced detergent power and selected from the group consisting of water-soluble salts of: organic sulfonic acids, alkyl sulfuric acids, and sulfuric acid esters of polyhydric alcohols incompletely esterified with a fatty acid of high molecular weight, and an alkylolamide selected from the group consisting of ethanolamides and glycerolamides of fatty acids having twelve to fourteen carbon atoms, the amount by weight of the alkylolamide being less than the amount by weight of the water soluble salt but sufficient to enhance the detergent power thereof.

2,383,738
DETERGENT COMPOSITION
Albert S. Richardson and Walter H. McAllister, Wyoming, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application February 20, 1942, Serial No. 431,746
16 Claims. (Cl. 252—152)

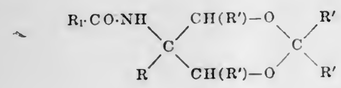
1. A cleansing and laundering composition comprising essentially a mixture of a detergent selected from the group consisting of water-soluble salts of organic sulfonic acids and water-soluble salts of aliphatic sulfuric acid esters, the said detergent having pronounced detergent power, and an amide of the formula

$$R\cdot CO\cdot NR'R''$$

wherein R·CO is an acyl radical of a fatty acid having 10 to 14 carbon atoms and R′ and R″ are selected from the group consisting of hydrogen and alkyl radicals having 1 to 4 carbon atoms, the sum of the carbon atoms in R′ and R″ being less than 5, and the amount by weight of the amide being less than the amount by weight of the said detergent but sufficient to enhance the detergent power thereof.

2,383,739
DETERGENT COMPOSITION
Nathaniel Beverley Tucker, Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 2, 1942, Serial No. 449,496
22 Claims. (Cl. 252—152)

1. A cleansing and laundering composition comprising essentially a mixture of a water-soluble salt of an organic sulfuric reaction product having in its molecular structure a radical selected from the group consisting of sulfonic acid and sulfuric acid ester radicals, the said salt having pronounced detergent power, and an amide having the following general formula

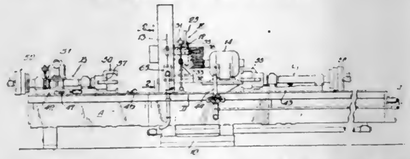


wherein $R_1\cdot CO$ is the acyl radical of a fatty acid having 10 to 14 carbon atoms, R is selected from the group consisting of hydrogen, methyl, methylol, and ethyl, and each R′ is selected from the group consisting of hydrogen and methyl, the amount by weight of the amide being less than the amount by weight of the said detergent material but sufficient to enhance the detergent power thereof.

2,383,740
DETERGENT COMPOSITION
Nathaniel Beverley Tucker, Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 6, 1943, Serial No. 513,188
19 Claims. (Cl. 252—152)

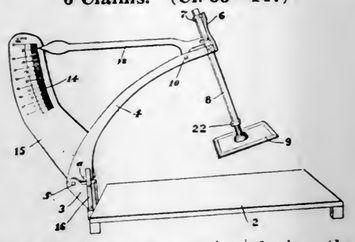
1. A cleansing and laundering composition comprising essentially a water-soluble salt of an organic sulfuric reaction product having in its molecular structure a radical selected from the group consisting of sulfonic acid and sulfuric acid ester radicals, the said salt having pronounced detergent power, and an added amide, which is a derivative of a water-soluble aliphatic hydroxy carboxylic acid and an aliphatic primary amine containing 10 to 14 carbon atoms in the aliphatic chain, the amount by weight of the amide being less than the amount by weight of the said water-soluble salt but sufficient to enhance the detergent power thereof.

2,383,741
METHOD AND MEANS FOR CUTTING OFF MATERIAL ABRASIVELY
Harry G. Robinson, Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. a corporation of New York
Application July 28, 1943, Serial No. 496,679
8 Claims. (Cl. 51—33)



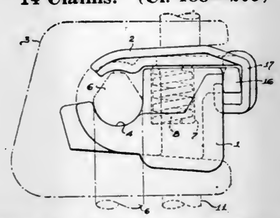
8. In a machine for cutting off work of metallic material, the combination of a rotatable abrasive cutoff disc, means for rotating the work, means for feeding the disc against and through the work and means for oscillating said disc transversely of said work.

2,383,742
THICKNESS MEASURING DEVICE
Joseph W. Russell, Nashua, N. H., assignor to Nashua Manufacturing Company, Nashua, N. H., a corporation of New Hampshire
Application February 18, 1943, Serial No. 476,305
6 Claims. (Cl. 33—147)



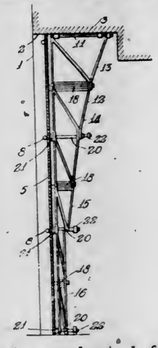
1. In a thickness measuring device, the combination with a base adapted to support the material to be measured, an arm mounted to swing on a horizontal axis and having a part reaching forward over said base, a plunger supported in the outer end of said arm for vertical movement toward and from said base, a pointer fulcrumed on said arm near its outer end and also pivotally connected at one end with said plunger, a graduated scale over which the other end of said pointer swings, and a latch cooperating with said arm to hold it and the parts mounted thereon in an elevated position when the arm has been swung backwardly around said axis.

2,383,743
BRAKE HANGER WEAR PLATE
Frederic Schaefer, Pittsburgh, Pa.
Application April 26, 1944, Serial No. 532,788
14 Claims. (Cl. 188—209)



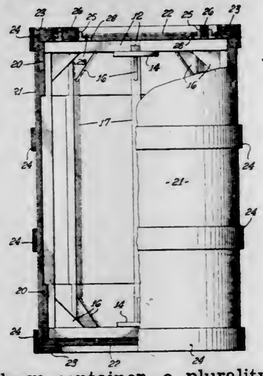
1. A wear plate for use in a railway car brake hanger bracket, said plate comprising a base member provided with a brake hanger seat, a cover member above said seat and loosely connected to said base for universal movement relative thereto, and separate resilient means pressing said members apart.

2,383,744
FOLDING DOOR
Frederick A. Schilling, Jr., Vancouver, British Columbia, Canada
Application December 14, 1943, Serial No. 514,257
8 Claims. (Cl. 160—213)



1. A folding door adapted for hanging from one edge, said door comprising a plurality of horizontal panels hingedly connected together along their abutting edges, a truss extending across some of the panels adapted to hold said panels in a single plane when in closed position, said truss being made up of hinge jointed sections, some of said sections being connected to some of the panels.

2,383,745
CONTAINER-DRUM
John J. Schumacher, Encino, Calif.
Application February 15, 1943, Serial No. 475,862
6 Claims. (Cl. 217—72)



1. In a drum-container, a plurality of long-rectangular shaped frames, each composed of strips of wood, end strips of each of said frames centrally bisecting each other with the respective strip-ends equally spaced apart to form a composite reinforcing frame for the interior walls and ends of said container, a shell, circular in cross-section, of laminated structure surrounding and in close contact with the long equi-spaced strips of said reinforcing frame, and means to secure parts of said reinforcing frame to each other and contacting parts of said frame to said shell.

2,383,746
POCKET CONSTRUCTION FOR GARMENTS
Max C. Shapiro, Los Angeles, Calif.
Application July 21, 1943, Serial No. 495,564
4 Claims. (Cl. 2—247)



4. A pocket construction for garments comprising two sections of material secured to opposite faces of the material forming the body of the garment forming pockets on opposite sides thereof in substantial registry with each other, the interior of one pocket being accessible from the exterior of the garment and the interior of the other pocket being accessible from the interior of the garment, a fastener secured to the section disposed on the inner side of the material of the garment adjacent the mouth of the pocket formed thereby, said fastener being receivable through the material forming the body of the garment to fasten the inside pocket closed and being accessible through the other pocket, said fastener being also receivable through the outer section of material which forms the outer pocket to fasten the outer pocket closed.

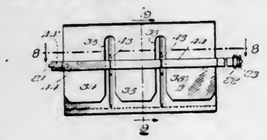
2,383,747
CLOSURE MEMBER
John E. Sharp, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1943, Serial No. 507,245
4 Claims. (Cl. 215—97)



1. A one piece closure member adapted to secure and hold a cover upon a container, said member comprising a top portion and a flange portion depending therefrom to form a circular skirt, said top portion having formed therein an oblong-like opening each long side of which is strengthened by a rib struck in said top portion, each said rib extending in a direction approximately at right angles to the longitudinal axis of said opening from a point central to a long side of the opening to a point adjacent the edge of said top portion.

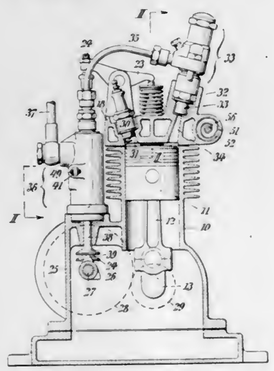
2,383,748
MONEY AND ARTICLE CARRYING BELT
Sol Sherman, New York, N. Y.
Application June 11, 1943, Serial No. 490,477
3 Claims. (Cl. 224—5)

1. In a belt, front and back walls connected at their longitudinal lower edges and adjacent their end edges constituting the body portion, a plurality of compartments intermediate said walls and said end connections, said back wall having an integral extension foldable over said front wall constituting a common closure for said compartments and including a plurality of spaced independent flap closure members overlying and being substantially coextensive in length and breadth with said compartments, each of said flaps being individually operable to open and close the respective compartments without disturbing the remaining flaps, means for securing said flap members in closed position, means including a plurality of flexible guide



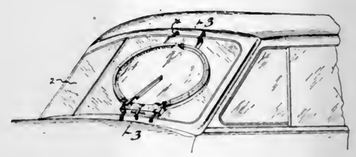
means secured to said front wall in alignment with the spaces between said flap members and a waist encircling belt body supporting member connected intermediate its length at spaced points to the opposite ends of the body portion, the portion of said supporting member intermediate said points of connection therewith being adapted to pass over the flaps and loosely through the guide members to secure said flaps of said common closure in closed position, said portion being readily adjustable through said guides to compensate for the relative expansion of the compartments and to facilitate the manipulation of the respective flaps to open and closed position.

2,383,749
INTERNAL-COMBUSTION MOTOR AND METHOD OF OPERATING IT
Lewis M. Showers, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 11, 1943, Serial No. 478,744
6 Claims. (Cl. 123—179)



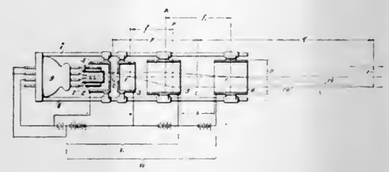
1. In a spark-fired oil-consuming semi-Diesel internal combustion motor, a cylinder with a piston therein; a fuel injecting nozzle; an air inlet valve; an exhaust valve; an air duct with a throttle for controlling the speed of the motor; and means for admitting a maximum amount of air into the cylinder for operation of the motor at high compression at starting, and for automatically reducing the air supply as the motor warms up for normal running thereafter at lower compression.

2,383,750
WINDSHIELD CLEANER
Saul S. Smith, Buffalo, N. Y.
Application February 11, 1943, Serial No. 475,505
7 Claims. (Cl. 20—40.5)



1. A device of the class described, comprising, in combination with a windshield, a circular frame mounted thereon in overlying relation thereto, a transparent disc rotatably mounted within said frame in facial air-sealed relation thereto and in spaced relation to the windshield for creating a dead air space, means on said frame for supporting the disc at its periphery and for rotating the same, and a heating element arranged within the frame and in communicating relation with the dead air space, whereby ice, sleet and snow will be melted on the outside of the disc and be removed by the rotation of the disc and the formation of moisture and condensation on the inside will be prevented by the heated dead air space.

2,383,751
ELECTRON LENS
Karl Spangenberg, Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1942, Serial No. 442,129
8 Claims. (Cl. 315—14)

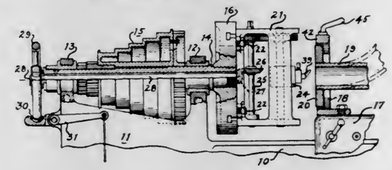


1. An electron supply means for producing an electron beam with relatively small spot size, comprising an electron emitting element, means for accelerating and concentrating electrons from said electron supply means into an electron beam, said means having an emission aperture from which the electrons of said beam emerge and an electron lens in the path of said beam comprising two open ended conductive cylinders of the same diameter arranged end to end in the path of said electron beam, the open end nearest the emission aperture, of the first cylinder, being arranged so that the tangents, at the plane of the emission aperture, to the trajectories of all the emerging electrons, if extended in the direction of electron flow would intersect the plane of said open end within the circumference thereof said cylinders being spaced apart in the direction of electron flow a distance between one and three times said diameter, and means for continuously maintaining positive potentials on said cylinders, the ratio of the potentials on the two cylinders, taken in the direction of electron flow, being not less than one and not more than ten.

2,383,752
CHEMICAL PROCESS
Michael Sveda, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 17, 1943, Serial No. 476,210
10 Claims. (Cl. 260—513)

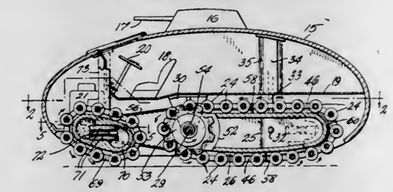
1. In a process for the reaction of a paraffin hydrocarbon with sulfur trioxide, the step comprising reacting a paraffin hydrocarbon having at least three carbon atoms with sulfur trioxide in the vapor phase.

2,383,753
FLANGE FACING TOOL
Philip B. Wallace, Sr., San Francisco, Calif.
Application April 19, 1943, Serial No. 483,547
7 Claims. (Cl. 82—2)



1. In a surface facing tool for use upon a lathe of conventional design having a head stock with hollow spindle and face plate carried thereby, the combination of a frame adapted to be secured upon said face plate, a tool support having a cutting tool mounted upon said frame to move diametrically with respect to the axis of said face plate, a lead screw carried by said frame for controlling the diametrical movement of said tool support, a free floating shaft extending through and adapted to turn with the hollow spindle of the lathe having a gear at one end thereof adjacent said frame, a hand wheel carried by the other end of said free floating shaft for retarding and/or stopping rotation thereof as said face plate is rotated, and a driving connection between the lead screw carried by said frame and said free floating shaft, whereby said lead screw will be turned relative to said frame and cause said tool support to move radially with respect to the axis of said face plate when said hand wheel is held against rotation.

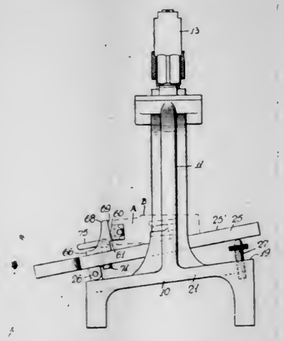
2,383,754
DRIVING MECHANISM FOR VEHICLES
Colin S. Watt, Buffalo, N. Y.
Application July 11, 1942, Serial No. 450,497
8 Claims. (Cl. 305—4)



1. Driving mechanism for a vehicle, including a chain carrier having a track formed thereon, an endless chain extending around said carrier, wheels mounted on said endless chain and engaging said carrier and arranged to contact the ground during the travel of said chain, said wheels when contacting with the ground being arranged with their upper portions contacting with said

carrier, a sprocket wheel mounted on one end of said vehicle and engaging said chain for imparting motion thereto, an adjustable track portion mounted on the other end of said base and movable relatively to said base for taking up slack in said chain, and means for imparting motion to said sprocket wheel.

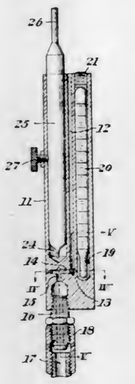
2,383,755
REFACING OF VALVE GATES
Philip E. Wilcox, New York, N. Y., assignor to The Leavitt Machine Company, Orange, Mass., a corporation of Massachusetts
Application December 1, 1944, Serial No. 566,166
6 Claims. (Cl. 51—125)



1. In combination with a cutter and means for rotating it about a vertical axis to cut in a horizontal plane, means for presenting the two angular faces of a wedge shaped valve gate successively uppermost and each in a horizontal plane for a refacing operation by said cutter, said last mentioned means comprising a base having its upper surface angularly disposed in the direction of its length and a platform supported from and above said base to swing about a horizontal axis which extends transversely of a lower level of said upper inclined surface of the base, said platform extending in the direction of the higher level of said base so as to present its upper surface at a minimum angle which equals that of the upper surface of the base, and adjustable means for variably increasing the angularity of the upper surface of the platform beyond said minimum whereby a wedge shaped gate with one face seated on the inclined surface of the platform with its tail lowermost, will present its other surface uppermost and more closely to the horizontal to which it can be adjusted for resurfacing by adjustment of said adjustable means, and whereby merely reversing the valve gate to bring its other face uppermost without any other change in the positional relation of the valve gate to the cutter, will present the other face uppermost for a substantially identical resurfacing of that face.

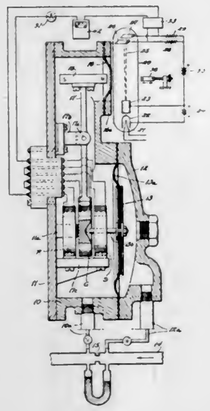
2,383,756
TESTING DEVICE FOR CONTROL THEMOSTATS
Emmett C. Williams, Pittsburgh, Pa.
Application December 4, 1943, Serial No. 512,900
8 Claims. (Cl. 73—1)

8. A device for testing control thermostats comprising metal means providing a thermometer support and a thermostat-bulb socket, said means also having a fluid-expansion chamber in heat-exchange relation with said support and



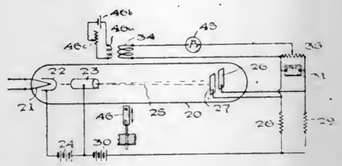
socket, and means for connecting said chamber to a source of compressed gas.

2,383,757
FORCE MEASURING APPARATUS
Herbert Ziebolz, Chicago, Ill., assignor, by mesne assignments, to Electronbeam, Ltd., Chicago, Ill., a partnership of Illinois
Application May 23, 1942, Serial No. 444,233
4 Claims. (Cl. 73—205)



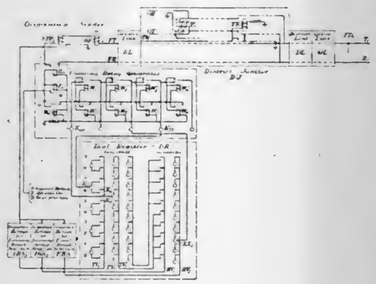
1. In flow-measuring apparatus, the combination of a fluid-tight casing, a pressure sensitive diaphragm mounted in said casing and dividing the casing into two fluid-tight compartments, fluid connections to each of said compartments for subjecting opposite sides of said diaphragm to a pressure differential, a magnet positioned within one of said compartments and being mounted for movement adjacent a section of the wall of said casing and producing a variable magnetic field outside of said casing, a connection between said magnet and said diaphragm for moving said magnet in accordance with movement of said diaphragm, and a cathode ray tube positioned on the outside of said wall section in a position to have the electron beam thereof deflected by said variable magnetic field.

2,383,758
ELECTRONIC TRANSLATING DEVICE
Herbert Ziebolz, Chicago, Ill., assignor, by mesne assignments, to Electronbeam, Ltd., Chicago, Ill., a partnership of Illinois
Application September 23, 1943, Serial No. 503,553
15 Claims. (Cl. 73—313)



1. An electronic translating device comprising, in combination, means for producing an electronic beam; means for receiving electrons from said beam; a first deflecting means comprising a movable element having a field acting directly on said beam and being operative by movement of said field with respect to said beam to vary the number of electrons intercepted by the receiving means; a second deflecting means acting on said beam; and means responsive to the variations in the number of electrons intercepted by said receiving means for variably energizing the second deflecting means in a direction tending to deflect said beam in opposition to said first deflecting means, whereby said beam is deflected until equilibrium is established between said first and said second deflecting means.

2,383,759
REVERTIVE PULSE REPEATER
Robert Campbell Avery, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 28, 1944, Serial No. 565,440
13 Claims. (Cl. 179—18)



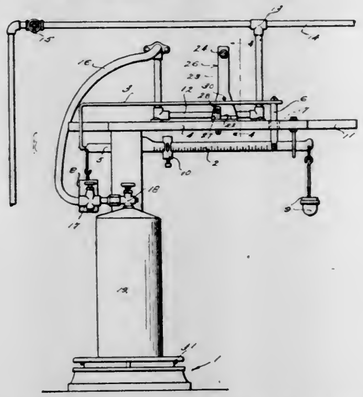
1. In a signaling system, the combination of a selector, means for producing pulses to control said selector, means for seizing said selector, said seizing means including means for producing one pulse and at the same time for starting said pulse producing means, pulse counting means, means controlled by said pulse counting means for interrupting the pulse producing means after a predetermined number of pulses have been counted by said counting means, said interrupting means causing said pulse producing means to produce one additional pulse thereafter, and means to prevent the transmission of said additional pulse to said pulse counting means.

2,383,760
COVER FOR PAPER CONTAINERS
Cesare Barbieri, New York, N. Y., assignor to Dixie Cup Company, a corporation of Delaware
Application January 27, 1943, Serial No. 473,660
1 Claim. (Cl. 229—5.5)



In combination, a paper container having an outwardly and downwardly turned marginal portion around the mouth end to provide a depending flange spaced from the body wall, and a paper cover for said container including a body portion having a depending flange extending therearound which flange is approximately the length of the container flange, a strip of similar material circumscribing said cover flange and extending therebelow, and the free marginal portion of said strip being turned inwardly and upwardly for interlocking engagement between the container flange and the container body wall.

2,383,761
RECEPTACLE FILLING APPARATUS
Medwin A. Benton, Liberty, N. Y.
Application February 9, 1944, Serial No. 521,676
2 Claims. (Cl. 249—58)



2. A receptacle filling apparatus of the character described comprising a scale including a depressible platform operable by a receptacle placed thereon and further including a beam operable by the platform, a supporting structure for said scale including a post and a horizontal arm on said post, a supply line for connection with the receptacle, a shut-off valve, including an operating handle interposed in said supply line, a bar above the arm having one end secured to one end of the beam, a post supporting the other end of the bar on the other end portion of the beam, the second-named post extending slidably through the arm, a hammer mounted for vertical swinging movement on the arm and engageable by gravity with the operating handle of the valve for closing said valve, means on the arm for supporting the hammer in raised position, and a pin on the hammer engageable by the bar upon upward swinging movement thereof with the beam for initially starting the hammer downwardly into engagement with the valve handle.

2,383,762

PREPARATION OF A GREEN DYESTUFF AND STARTING MATERIAL THEREFOR

Rudolf Bloch and Isaac Schnerb, Jerusalem, Palestine, assignors to Palestine Potash Ltd., Jerusalem, Palestine, a British company

No Drawing. Application January 21, 1943, Serial No. 473,113. In Palestine November 10, 1942
16 Claims. (Cl. 260—439)

10. As a starting material for the preparation of a green dyestuff, a dry mixture of Schäffer's salt, inorganic alkali nitrite and about ⅓ to ½ mol of an iron salt having an acid reaction in aqueous solution.

2,383,763

CRYSTALLIZATION OF SALTS FROM AQUEOUS SOLUTIONS

Rudolf Bloch and Isaac Schnerb, Jerusalem, Palestine, assignors to Palestine Potash Ltd., Jerusalem, Palestine, a British company

No Drawing. Application January 21, 1943, Serial No. 473,114. In Palestine November 10, 1942
14 Claims. (Cl. 23—295)

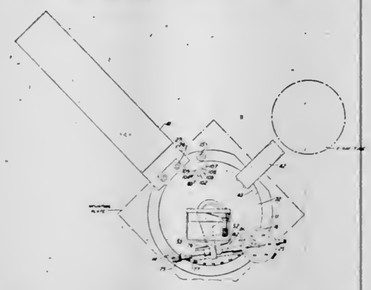
1. In the crystallization of salts from their aqueous solutions by evaporation by means of solar radiation, the steps of dissolving in an aqueous liquid a dry mixture containing Schäffer's salt, an alkali nitrite and an iron salt, allowing the said substances to react with one another, converting the reaction liquor into a green dyestuff solution adapted to increase the rate of evaporation of the water from said salt solution by diluting the reaction liquor with an aqueous liquid adding said green dyestuff solution to the aqueous solution to be evaporated and subjecting the latter to solar radiation.

2,383,764

APPARATUS FOR X-RAY ANALYSIS

Walter L. Bond, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 10, 1943, Serial No. 501,747
16 Claims. (Cl. 250—83.6)



1. X-ray analysis apparatus comprising a source of X-rays and a goniometer, said goniometer comprising a base-plate, a slit box, means for mounting said slit box on said base-plate, a vertical shaft mounted on said base-plate, a specimen holder for supporting a specimen to be analyzed, means for rotatably supporting said specimen holder on said shaft, an ionization chamber, means for rotatably supporting said ionization chamber with respect to said shaft, and means for setting said slit box, said specimen holder and said ionization chamber in any one of a plurality of adjusted positions with respect to each other.

2,383,765

DECORATIVE EFFECTS IN POLYSTYRENE MOLDINGS

Russell R. Bradshaw, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Original application February 24, 1939, Serial No. 258,212. Divided and this application December 30, 1942, Serial No. 470,645
9 Claims. (Cl. 260—41)

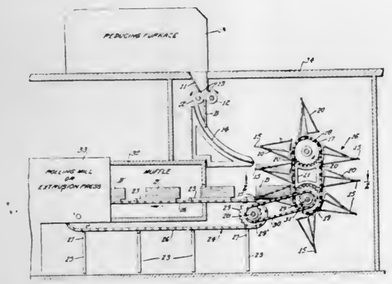
1. A molded object characterized by a nacreous sheen and essentially consisting of polystyrene having incorporated therein between about 0.5 and about 10 per cent by weight of a salt selected from the group consisting of the sodium, potassium, and magnesium salts of sulfated alkyl alcohols containing at least 12 carbon atoms in the alkyl radical thereof, this salt being present in an amount effective to cause a nacreous sheen.

2,383,766

MANUFACTURE OF METAL PRODUCTS

Herman A. Brassert, Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois

Application May 14, 1943, Serial No. 486,989
4 Claims. (Cl. 29—34)



1. In apparatus for making iron and steel products, the combination of means for reducing finely-divided iron oxides at a temperature below those at which the particles agglomerate and frit together, compacting rolls for compacting the finely-divided material discharged by said reducing means, means for dividing said compacted material into plate-like briquettes, conveying means adjacent said rolls for receiving said briquettes in superimposed flatwise relation as they are discharged by said rolls, a heating furnace, means for transferring the said briquettes in said superimposed relation from said conveying means to said heating furnace, and deforming apparatus for deforming the heated superimposed briquettes into a unitary metal product.

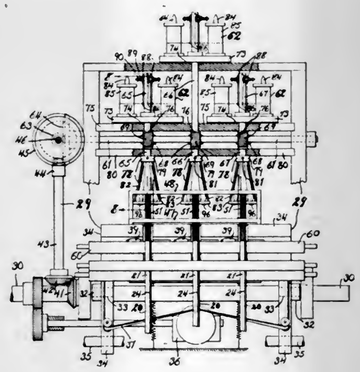
2,383,767

MACHINE FOR MAKING CORDED TAPE

David B. Brownlow and John Feulner, Middletown, Conn., assignors to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut

Application February 1, 1944, Serial No. 520,638
4 Claims. (Cl. 139—11)

1. A machine for making corded tape including: drive-means; cord-forming means driven by said drive-means and including a rotary cord-strand twisting-head, and constructed and arranged to twist a plurality of longitudinal cord-strands into a relatively-thick cord extending longitudinally of the tape; weaving-means driven by said drive-means and constructed and arranged to interweave longitudinal warp strands and transverse weft strands into a relatively-thin tape-body, and weave at least some of said weft strands transversely between certain of said twisted cord-strands; the center of rotation of the outer face of said head being substantially to



one side of the median plane of the weaving-shed; a shedding-hook adapted to hold certain of said cord-strands in a shedding position; and reciprocable cord-strand-removing and cord-strand-shedding means adapted to repeatedly remove a cord-strand from said shedding-hook and shift another cord-strand into a shedding-position engagement with said shedding-hook.

2,383,768

CALCIUM NAPHTHENATE IN HYDROCARBON EXTRACTION

Marinus Buis, Ellesmere Port, and Leonard Belchetz, Ince, near Chester, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 28, 1944, Serial No. 542,608
7 Claims. (Cl. 196—13)

1. In a liquid-liquid solvent extraction process for the separation of a hydrocarbon mixture with a selective solvent, the improvement comprising carrying out said extraction in the presence of between about .01% and 1% by wt. of calcium naphthenate in said hydrocarbon mixture, said amount being insufficient to cause a stable solvent-in-hydrocarbon emulsion.

2,383,769

METHOD OF TREATING ASPHALT

Solomon Caplan, New York, N. Y., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application April 3, 1941, Serial No. 386,747
6 Claims. (Cl. 196—22)

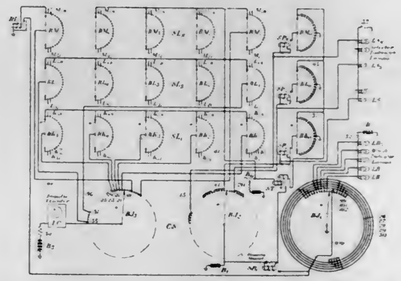
1. The method of raising the melting point of asphalt which comprises heating asphalt with from 1% to about 10% of its weight of a lower dialkyl sulfate at temperatures from about 150° C. to about 200° C. until the melting point is increased at least 17° C.

2,383,770

ELECTRICAL MEASURING SYSTEM

Arthur Carson and Irving Payne, Richmond, Va., assignors to American Telephone and Telegraph Company, a corporation of New York

Application November 7, 1942, Serial No. 464,914
5 Claims. (Cl. 179—175.2)



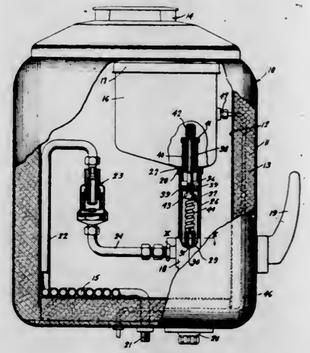
1. In a measuring system for measuring the number of lines which exhibit a predetermined electrical condition, the combination of a master rotary selector, a plurality of auxiliary rotary selectors each having a plurality of contacts to each of which one of the lines is connected, means to operate said master selector step-by-step in regular order, means responsive to the step-by-step operation of the master selector to separately operate said auxiliary selectors in progression so that the lines connected to said auxiliary selectors may be contacted one at a time, an impulse counter, and means for directly connecting said counter through the master selector to the auxiliary selectors, said counter being operated whenever said predetermined electrical condition is encountered on any line to which it is connected, thereby to indicate how many of said lines exhibit said predetermined electrical condition.

2,383,771

DRINK DISPENSER

Thomas B. Chace, Winnetka, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application May 19, 1944, Serial No. 536,256
8 Claims. (Cl. 225—21)



8. In a dispenser device for producing carbonated beverages from a mixture of carbonated water and flavoring syrup in predetermined proportional parts, means for insuring a uniform quantity of syrup for each drink comprising a source of supply for said syrup, means supply-

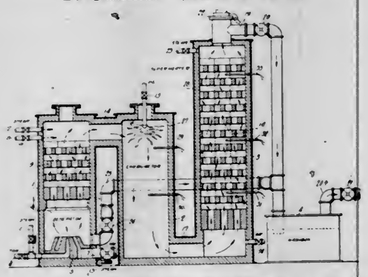
ing the carbonated water, means maintaining a constant rate of delivery of the carbonated water, and thermostatically controlled valve means for regulating the delivery of syrup from the syrup supply.

2,383,772

PRODUCTION OF VALUABLE HYDROCARBONS

Newcomb K. Chaney, Moylan, Pa., and Edwin L. Hall, Manchester, N. H., assignors to The United Gas Improvement Company, a corporation of Pennsylvania

Application December 28, 1940, Serial No. 372,074
17 Claims. (Cl. 260—669)



1. A process for the production in relatively high proportion and in good quality of resin-forming unsaturated aromatic hydrocarbons including resin-forming unsaturated aromatic hydrocarbons boiling above 200° C. and of other aromatic hydrocarbons in good quality, which comprises pyrolyzing a petroleum oil selected from the group consisting of petroleum oils of below 7% in Conradson carbon and falling within the classifications of from 5 to 7 inclusive as determined by the Bureau of Mines Index and fractions from said petroleum oils, and conducting said pyrolysis in vapor phase with an intensity of cracking such that the volume of residual oil gas produced per gallon of petroleum oil pyrolyzed falls within the range of from 40 to 65 cubic feet taken as if measured at a pressure of 760 mm. and at a temperature of 60° F., and under conditions such that the relationship between the sulfonation residue and the free carbon obtained is within the sulfonation residue-free carbon relationships lying to the left of and below the curve defined by the equation

$$X^{2.3}(Y-0.03)=0.05$$

in which X and Y are respectively rectangular coordinates of free carbon expressed in percent by weight of the original oil pyrolyzed and of sulfonation residue expressed in percent by volume of the original oil pyrolyzed.

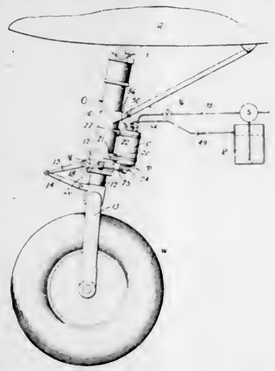
2,383,773

HYDRAULIC STEERING MOTOR AND SHIMMY DAMPENER FOR AIRPLANE LANDING GEAR WHEELS

Harry L. Chisholm, Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application July 2, 1942, Serial No. 449,382
11 Claims. (Cl. 244—100)

1. A hydraulic power device for hydraulic steering of the steering wheel of an airplane landing gear comprising a cylinder mounted on the gear framework and a piston movable in the cylinder, said cylinder providing hydraulic working chambers in which the piston operates, connecting means for transmitting the movement of said piston to the steering wheel for steering movement thereof, a main valve in said device adjustable from the exterior thereof and a valve chamber for the valve, said valve having inflow and outflow ports, an inlet for flow of fluid under pressure to said inflow ports, a fluid outlet for outflow of fluid through said outlet ports, passageways in said piston structure between said valve chamber and said working chambers, said inlet and outlet ports being closed to said passageways when said valve is in a neutral position and setting of said valve in either direction from its neutral position connecting said ports with said passageways for flow of hydraulic fluid under pressure through said inlet ports into said working chambers at one side of the piston and outflow of fluid from said working chambers at



the other side of the piston whereby said piston will be hydraulically moved for corresponding steering movement of the steering wheel, a check valve in said inlet passageway, a valving assembly in said outlet passageway, said check valve and said valving assembly being held in open position by the inflowing fluid when the pressure of the fluid is normal whereby said device may function for steering, means for closing said check valve and said valving assembly when the pressure of the supply fluid drops below a predetermined value whereby fluid will then be confined in said working chambers against outflow therefrom, and means effective only when said valve is in neutral position for providing restricted passageways between said working chambers for resisting the flow therebetween of the confined fluid to thereby dampen shimmying movement of the wheel and the piston structure.

2,383,774

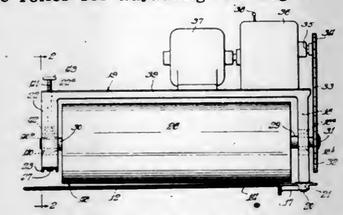
MEANS FOR TREATING DOUGH

Morris Cohen, Kansas City, Mo., and Duard W. Enoch, George Hasty, and Gerald A. Jorgenson, Chicago, Ill., assignors to Interstate Bakeries Corporation, Kansas City, Mo., a corporation of Delaware

Original application February 6, 1942, Serial No. 429,764, now Patent No. 2,352,617, dated July 4, 1944. Divided and this application December 13, 1943, Serial No. 514,040
7 Claims. (Cl. 107—9)

1. In apparatus for treating dough for bakery purposes, the combination with a conveyor for moving a flat strip of dough thereon, of a roller disposed obliquely to the conveyor in the path of the dough, said roller being of a diameter greater than the width of the dough strip and

adapted to rotate at its periphery where engaged by the dough in a direction opposed to the direction of movement of the conveyor and dough strip, the roller being mounted in a frame pivoted at the proximal end of the roller to swing across the conveyer belt, means at the distal end of the roller for adjusting the degree of swing,



and means at the distal end of the roller for adjusting the elevation of the roller at said end, said adjusting means comprising an arcuate track disposed above the conveyor transversely thereof and a sliding connection between the frame and track, and a sliding connection between the roller and frame.

2,383,775

INSECTICIDAL COMPOSITIONS

W E Craig, Philadelphia, and William F. Hester, Drexel Hill, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 17, 1944, Serial No. 522,798
6 Claims. (Cl. 167—30)

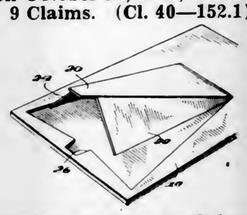
1. An insecticidal composition comprising a carrier in preponderant proportion and as an essential active insecticidal agent a benzyl dimethyl phenyl ammonium nitrophenate.

2,383,776

DISPLAY MOUNT SUPPORT

Carroll N. Cross, Middleboro, Mass.

Application October 14, 1942, Serial No. 461,981
9 Claims. (Cl. 40—152.1)



1. In a display mount, a back board, a mount supporting easel member including a supporting prop formed in said back board for angular movement about a line joining said back board and said easel at one end of said easel and being adapted to lie in the plane of said back board when in inoperative position, inwardly bendable wings extending laterally from said supporting prop, and an upwardly extending notch at the bottom of said back board engageable by said wings to maintain said easel in mount supporting position.

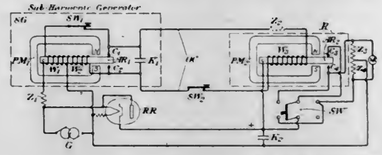
2,383,777

SUBHARMONIC GENERATOR

James Bernard Daly, Cleveland, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York

Application November 27, 1943, Serial No. 512,057
15 Claims. (Cl. 172—281)

15. The combination of a source of alternating current, means for producing a magnetic field, means for polarizing said magnetic field in one direction during successive odd-numbered cycles of said current, means for polarizing said magnetic field in the opposite direction during suc-



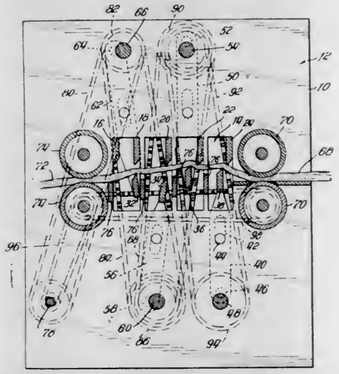
cessive even-numbered cycles of said current, and means controlled by the changing magnetic field for producing another alternating current of different frequency.

2,383,778

METHOD AND APPARATUS FOR DECORTICATING

Carl J. Delegard, Chicago, and Rudolph Kreutz, Elmwood Park, Ill.

Application March 14, 1942, Serial No. 434,638
15 Claims. (Cl. 19—23)



12. Decorticating equipment comprising, in combination: a support constructed and arranged to support material in the form of stalks to be decorticated; stationary knives arranged in series and spaced from said support to define a passageway for the stalks; and a series of movable knives guided to strike the stalks in said passageway toward said stationary knives and longitudinally all in the same direction; whereby the movement of the stalks as the moving knives strike them, causes the stalks to strike against and simultaneously slide along the stationary knives to comb out hurds along the top of each progressively splitting and flattening stalk, and at the same time the moving knives strike and slide along the stalk to comb out hurds along the bottom; the first moving knife striking the whole stalks operating with relatively low speed; the next knife operating at a higher speed.

2,383,779

AIRCRAFT CONTROL MEANS

Harold J. Dobmeier and Gerald A. Weingartner, Buffalo, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.

Application May 14, 1942, Serial No. 442,906
4 Claims. (Cl. 244—82)

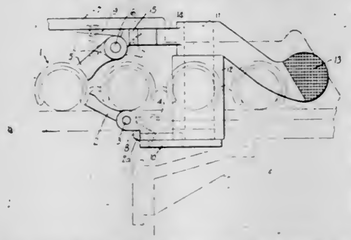
1. An aircraft flight control device comprising a force transmitting unit having operative elements thereof adapted to be connected to a pilot-

operable member and to an aerodynamic control surface for forcing said control surface to move in response to actuation of said pilot operable member, said force transmitting unit comprising a tubular housing, means for mounting said tubular housing upon said aircraft, a screw disposed to extend axially within said tubular housing and rotatably mounted thereon and fixed against axial displacement relative thereto and adapted to be connected at one of its ends to said pilot operable member, a strut member having a body portion thereof slidably mounted within said housing to provide therewith a telescopically extensible-contractable force transmitting unit, said strut member having a reduced end portion thereof extending into said housing and centrally bored and screwthreaded into connection with said screw



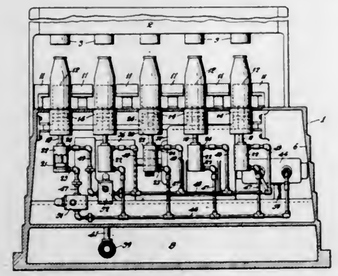
and externally tapered and screwthreaded, connection means carried by said strut member externally of said housing and adapted to be connected to said control surface for retaining said strut member against rotation axially of said screw and for transmitting push-pull force movements to said control surface in response to rotation of said screw, and adjustment means comprising a member bored and tapped and screwthreaded upon said externally threaded end portion of said strut member and adapted to be clamped thereon to elastically deform the latter to maintain the latter in snug lost-motion eliminating manner upon said screw throughout all control adjustment movements of said screw and of said strut member, whereby to prevent fluttering of said control surface.

2,383,780
FEED MECHANISM OF MACHINE AND LIKE AUTOMATIC GUNS
Josef Dobřemysl, Cambridge, England
Application March 4, 1941, Serial No. 381,654
In Great Britain November 9, 1939
2 Claims. (Cl. 89—33)



1. An automatic gun having a frame, a feeding carriage slidable in said frame, a feeding pawl movable with and pivotally mounted on said carriage for engagement with a cartridge belt, a retaining pawl pivotally mounted on said frame for engagement with said cartridge belt, a first arm rigidly connected to said feeding pawl and pivotally movable therewith, a second arm having a surface inclined at an acute angle to the pivotal axis of and connected rigidly to said retaining pawl, an actuating lever pivotally mounted on said frame having two lever arms thereon, a slide member slidably mounted on said frame having an inclined portion disposed adjacent the inclined surface of said second arm, means biasing said slide member toward one of said two lever arms, motion transmitting means interposed between the other of said two lever arms and said first arm, said actuating lever being movable to actuate said slide member and said motion transmitting means to rock said retaining pawl by engagement of said inclined portion with said inclined surface, and to rock said feeding pawl by engagement of said motion transmitting means and said first arm, respectively.

2,383,781
BOTTLE FILLER AND CAPPER MACHINE
Robert Francis Dorrell, Chicago, Ill., assignor of fifty per cent to William C. Dvorak, Chicago, Ill.
Application October 29, 1943, Serial No. 508,145
9 Claims. (Cl. 226—75)



1. In a bottle filling and capping machine, a path for bottle travel, hydraulically actuated means to move a series of bottles along said path simultaneously and in a step-by-step progression, hydraulically actuated means to lift bottles in said series into operative relationship with filling and capping means positioned thereabove, a fluid pressure generating unit, valve means including pressure-operated valve means controlling the flow of fluid to said hydraulically actuated means to lift said bottles, a solenoid to position one of said valve means, electrical switch means positioned by the movement of said first-mentioned hydraulically actuated means to move a series of bottles and controlling the energization of said solenoid, and means to delay the movement of said last-mentioned means for a predetermined time interval after the lifting of said bottles to insure the filling of the bottle.

2,383,782
PRODUCTION OF RUBBERLIKE COPOLYMERS OF DIOLEFINS AND UNSATURATED KETONES
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 18, 1942, Serial No. 431,332
10 Claims. (Cl. 260—63)

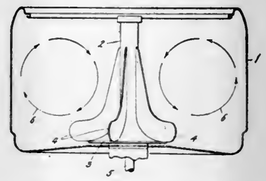
1. In a method wherein a mixture of polymerizable organic compounds comprising a conjugated diolefin and an unsaturated ketone having the general formula:

$$\text{Alkyl}-\overset{\overset{O}{\|}}{C}-\overset{\overset{R'}{|}}{C}=CH_2$$

wherein R′ represents a member of the group consisting of hydrogen and the methyl radical, is polymerized in aqueous emulsion to form a rubber-like product, the improvements which

consist in carrying the polymerization out in an aqueous medium which contains, as agents for effecting emulsification, between 1 and 4 per cent of a mixture of emulsifying agents consisting of between 1.4 and 3 parts by weight of monosodium sulphate esters of a mixture of higher aliphatic alcohols consisting principally of lauryl and myristic alcohols, between 1.4 and 3 parts of an alkali metal salt of dodecyl benzene sulphonic acid, and one part of another emulsifying agent selected from the class consisting of sulphuric acid esters of higher aliphatic alcohols and the alkali salts of such esters, and which aqueous medium also contains a catalytic amount of a water-soluble persulphate and sufficient alkali to render the reaction mixture alkaline.

2,383,783
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application October 8, 1942, Serial No. 461,256
4 Claims. (Cl. 8—159)

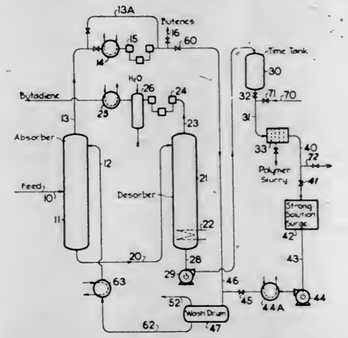


1. In a washing machine, a stationary tub, an agitator in the tub having a central hub, a bottom disk, and five or more radially extending circumferentially spaced blades carried by the hub and disk, said blades having rounded lower outer ends and portions tapering from said rounded lower outer ends inwardly and upwardly along the central hub, and means for oscillating said agitator about its axis at a speed of the order of three hundred complete oscillations per minute and through a stroke of the order of sixty degrees whereby radial water currents are set up causing rapid turnover of clothes being washed in the tub without effecting substantial oscillating circumferential movement of the water and clothes about the tub.

4. The method of washing clothes which comprises producing in a stationary tub water currents which flow in closed radial paths with sufficient force to suspend and circulate the clothes, and oscillating through an angle of the order of sixty degrees and at a speed of the order of at least three hundred complete oscillations per minute about its axis, an agitator having rounded blades with which the clothes are brought into contact by the water currents, the blades intersecting transversely said paths whereby the blades serve to scrub the clothes and at the same time fan them out circumferentially thereby preventing tangling of the clothes.

2,383,784
COPPER AMMONIUM ACETATE EXTRACTION AND PURIFICATION METHOD
Alfred W. Fleer, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 25, 1944, Serial No. 528,145
14 Claims. (Cl. 260—438)

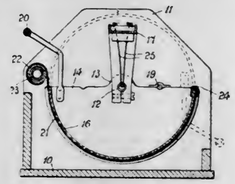
1. An improved copper ammonium acetate absorption and purification method for separating butadiene from a hydrocarbon mixture containing it together with butenes and small amounts of acetylenes, comprising the steps of contacting said mixture with a solution of copper ammonium acetate to obtain a rich solution containing butadiene and acetylenes, subsequently desorbing butadiene from said rich solution at a temperature between about 160° and 200° F. and at a pressure below about 18 p. s. i. gauge, whereby a lean solution substantially free of butadiene is obtained, exposing said lean solution to con-



ditions causing polymerization of acetylenes, and removing resulting polymers from the exposed solution.

13. An improved method of purifying an aqueous solution of copper ammonium acetate contaminated with small amounts of acetylenes, comprising exposing said solution to conditions causing polymerization of acetylenes, filtering said exposed solution to remove solid polymers and washing the filtered solution with liquid aliphatic unsaturated hydrocarbons having from 4 to 10 carbon atoms to remove liquid polymers.

2,383,785
PHOTOGRAPHIC PRINTER
Shubel A. Foster, Ferndale, Mich.
Application October 22, 1943, Serial No. 507,339
3 Claims. (Cl. 95—77.5)



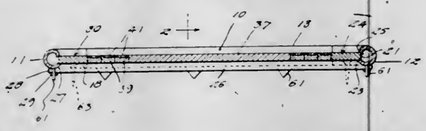
1. In a photographic printing device of the type described, a work table in the form of a semi-cylindrical transparency rotatable about a horizontal axis from a normal upper loading position presenting a convex surface upwardly for initial reception and support of work to a lower printing position, substantially axially disposed illuminating means for said transparency, a flexible sheet attached to the rear edge of said transparency whereby said sheet will progressively encircle said transparency as it is rotated to a lower printing position, for the purpose of maintaining a negative and printing paper in printing position about and beneath said transparency, and biased means engaging the free end of said sheet to withdraw it from contact with the surface of said transparency as said transparency is rotated to its upper loading position.

2,383,786
CRUTCH
Daniel B. Gish, West Springfield, Mass.
Application December 13, 1944, Serial No. 567,925
3 Claims. (Cl. 135—50)



1. A crutch construction comprising in combination, a support having a socket and a hole transverse thereto extending into said socket, an upper rod having an upper end receivable in said socket provided with a hole for registering with said hole in the support, an upper tube for receiving the lower end of said upper rod, a hand-grip provided with a bore, a lower tube, adjacent end portions of said tubes receivable in said bore, a lower rod having an upper end receivable in the lower end of said lower tube, said tubes and rods having registerable holes, means to releasably hold said adjacent ends of the tubes in the bore of the hand-grip, and means to releasably hold the rods in said tubes.

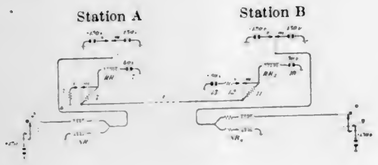
2,383,787
GRAVE MARKER
Gerhard K. Guenther, Chicago, Ill.
Application July 2, 1942, Serial No. 449,531
6 Claims. (Cl. 40—124.5)



4. A grave marker comprising a resilient frame consisting of separate side and end members split on the inner sides thereof, a plate adapted to be snapped into said frame and held therein, corner pieces for connecting said side and end members, having inwardly extending webs, apertures in said webs for receiving anchors for the double purpose of holding said frame rigid and for pinning said frame to the ground.

2,383,788
TELEGRAPH SYSTEM
Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 23, 1944, Serial No. 527,740
10 Claims. (Cl. 178—58)

1. A telegraph system including a line interconnecting two stations, a sending relay and a receiving relay at each of said stations, each of said sending relays having its armature connected to different ends of said line, receiving circuits each including one of said receiving relays connected to different ends of said line, sources of potential connected to each of said receiving circuits, said sources being of different values and so poled as to oppose each other whereby the resultant current through said receiving relays will be in such a direction as to maintain them in marking condition, sources of potential connected to the spacing contacts of



each of said sending relays, said sources of potential being so poled as to oppose said first mentioned sources and having such values that when one of said last mentioned sources is connected to one end of said line by the operation of the sending relay thereat the resultant current through the receiving relay at that end of the line will be in such a direction as to maintain said relay in marking condition and the resultant current through the receiving relay at the other end of the line will be reversed and will be in a direction to shift said relay to a spacing condition.

2,383,789
MILLABLE COMPOSITION
Mortimer T. Harvey, East Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application March 11, 1941, Serial No. 382,740
7 Claims. (Cl. 260—27)

1. A millable composition comprising a rubbery polymer of butadiene and a gel comprising (*a*) normally solid polyvinyl ester selected from the group consisting of polyvinyl chloride, polyvinyl acetate and copolymers of vinyl chloride and vinyl acetate and (*b*) a product produced by blowing with oxygen an alkyl ester of abietic acid having from one to four carbon atoms in the alkyl group, the ratio of said rubbery polymer by weight to said polyvinyl ester by weight being between about 50 to 1 and 2 to 1.

2,383,790
FRICTION ELEMENTS
Mortimer T. Harvey, East Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application May 27, 1941, Serial No. 395,394
3 Claims. (Cl. 260—38)

1. A brake lining comprising asbestos, organic friction material and a phenol-aldehyde resin binder, said organic friction material comprising comminuted particles of a product selected from the group consisting of solid infusible condensation products of furfuryl alcohol in the presence of an acidic agent and solid infusible condensation products of furfuraldehyde in the presence of an acidic catalyst.

2,383,791
POLYCARBOXYLIC ACID CONDENSATE OF A TERPENE ALCOHOL-FORMALDEHYDE PRODUCT
Mortimer T. Harvey, East Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application April 29, 1942, Serial No. 440,983
2 Claims. (Cl. 260—67)

1. The product of condensation under acid condition of maleic anhydride with an organic liquid which is obtained by heat condensation of formaldehyde and a monomeric terpene alcohol in contact with water and an acid catalyst, which organic liquid has a boiling point above 200° C. at 4 cm. of mercury and which has a specific gravity of about 1.09 to about 1.1 at 15° C.

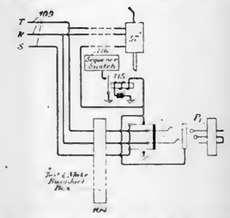
2,383,792
PROTEIN FURFURYL ALCOHOL-FORMALDEHYDE COMPOSITION
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application October 8, 1942, Serial No. 461,334
5 Claims. (Cl. 260—6)

1. A composition comprising a protein dissolved in a liquid furfuryl alcohol-formaldehyde fusible resin.

2,383,793
METHODS FOR REACTING FURFURYL ALCOHOL AND ACID CONDENSATION PRODUCTS OF FURFURYL ALCOHOL WITH GLYOXAL AND POLYMERIZED GLYOXAL AND PRODUCTS PRODUCED THEREBY
Mortimer T. Harvey, South Orange, and Robert F. Durst, Orange, N. J., assignors to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application July 24, 1943, Serial No. 496,066
19 Claims. (Cl. 260—17.5)

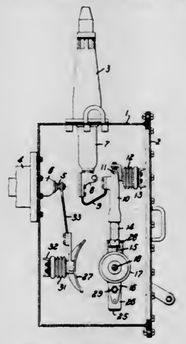
1. A resinous organic condensation reaction product of an aldehyde selected from the group consisting of glyoxal and polymerized glyoxal and a material selected from the group consisting of furfuryl alcohol and fusible polymerized acid condensation products of furfuryl alcohol, said resinous product in its end state being substantially infusible and substantially insoluble in acetone, caustic alkalis and mineral acids.

2,383,794
TELEPHONE SYSTEM
Earl Joseph Hayes, Chicago, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 5, 1944, Serial No. 516,998
3 Claims. (Cl. 179—175.21)



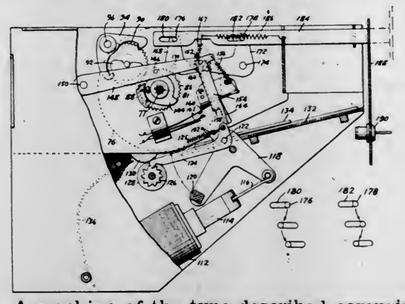
1. A device adapted to be connected to a jack of a test and make-busy jack box associated with a selector frame in a machine switching telephone system of the panel type, said device comprising a plug having only a sleeve contact whereby when it is inserted in a jack of said box the spring contacts of the jack will not be disturbed and no cut-off will occur on a line connected thereto, a conductor connected to the sleeve contact of said plug, and means to affix said conductor to a selector frame whereby when a selector being tested returns to its normal position upon the completion of a call a ground will be applied to said conductor and from thence to the sleeve contact of the jack to which said plug is connected to place a busy condition on the line connected thereto.

2,383,795
INTERRUPTER SWITCH
Gustave E. Heberlein, Jeannette, and Fred L. Kradel, Greensburg, Pa., assignors to Railway and Industrial Engineering Company, Greensburg, Pa., a corporation of Delaware
Application December 2, 1943, Serial No. 512,624
9 Claims. (Cl. 200—149)



1. In an interrupter switch, the combination with a stationary contact, and a rotary blade for movement into and out of engagement with said stationary contact, of a plunger switch comprising a pivotally supported socket member and a cooperating plunger member, and means connecting said plunger member to said blade member for actuation thereby, said stationary contact and said socket member being the terminal elements of the interrupter switch.

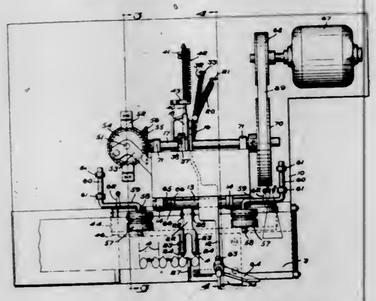
2,383,796
TICKET ISSUING MACHINE
Reuben H. Helsel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Application April 23, 1940, Serial No. 331,103
14 Claims. (Cl. 234—2)



1. A machine of the type described comprising means for feeding and issuing tickets, means in-

dicating the number of tickets issued by said means, means for automatically recording at predetermined time intervals the indications of said indicating means, controlling means manipulable to prevent ad permit normal operation of the first means during desired periods, and means for additionally recording the indications of said indicating means when the last means is manipulated to permit normal operation after a period of inactivity.

2,383,797
MACHINE FOR MAKING DECORATIVE PAPER STRIPS
Perley A. Hilllard, Newton Center, Mass.
Application September 28, 1943, Serial No. 504,139
8 Claims. (Cl. 93—1)



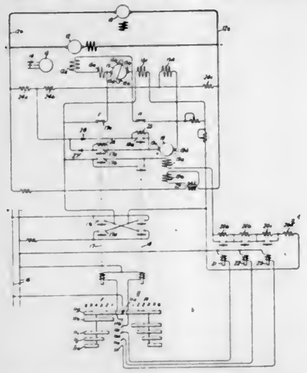
1. An apparatus for making decorative paper strips comprising means to feed a strip of paper in the direction of its length, means to cut transversely extending slits in one edge of the strip, thereby to form finger-like sections, and means to crimp the end edge portion of each finger-like section in the direction of the length thereof.

2,383,798
ELECTROPLATING
Richard O. Hull, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1940, Serial No. 369,533
12 Claims. (Cl. 204—50)

1. In a process for the electrodeposition of cadmium from an aqueous cyanide-cadmium bath, the step comprising effecting deposition in the presence of an isoamketaldoresin and not substantially more than about 0.5 gram per liter of a sulfonated vegetable oil.

2,383,799
CONTROL SYSTEM
Claude B. Huston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 28, 1943, Serial No. 496,435
6 Claims. (Cl. 171—225)

1. In combination, a main dynamoelectric machine provided with an armature and a field winding, means for deriving a voltage from said armature, a source of reference voltage, means for exciting said field winding comprising a dynamoelectric machine provided with a control field winding, electrical connections for applying the difference of said voltages to said control field winding to excite said control field winding to force the excitation of said main machine when said derived voltage is less than said reference voltage and to reduce the excitation of said main machine when said derived voltage exceeds said reference voltage, a relatively high resistance path and a relatively low resistance path



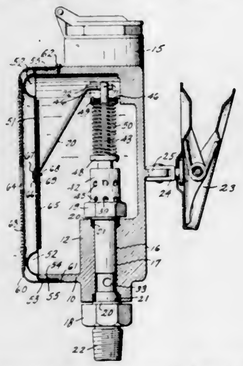
included in parallel in said connections, and means for preventing current from flowing in said low resistance path during said forcing action.

2,383,800
METAL CLEANING COMPOSITION AND PROCESS
Aaron D. Johnson, Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1942, Serial No. 440,207
7 Claims. (Cl. 252—100)

2. A composition adapted for removing deposits from acid-corrodible metals comprising about 10 to 90 parts by weight of 18° Bé. hydrochloric acid, from 90 to 10 parts of a spent lactic acid obtained as the residue from the solvent extraction of a fermentation lactic acid, and from about 0.25 to 2.0 parts of oxalic acid

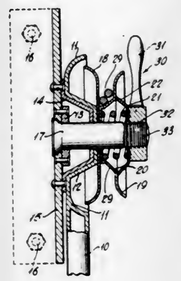
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2,383,801
GAS REGULATOR
James P. Johnson and Arthur Harman Tidd, Cleveland, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application October 19, 1942, Serial No. 462,550
2 Claims. (Cl. 50—26)



1. In an oxygen regulator of the character disclosed, a casing having an open side and adjacent the opposite side having a valve sleeve provided with a small orifice at its inner end surrounded by a valve seat, a valve plug adapted for seating thereagainst, a stem connected with said valve plug, a bracket in said casing, said stem extending slidably through said bracket and having a threaded part, an adjusting nut on the threaded part of said stem, a spring interposed between said bracket and said nut for normally retaining said valve plug against said valve seat, the ends of said spring being connected with said bracket and said adjusting nut to retain the adjustment, a diaphragm spanning the open side of said casing, said diaphragm being formed of thin, flexible material, a reinforcing spider of thin sheet metal connected with said diaphragm and carrying a connecting pin, a bell crank lever pivoted to said bracket and to said valve stem and having a long arm provided with a slot connection to said pin, said diaphragm, upon withdrawal of gas from said casing, opening said valve against the bias of said spring.

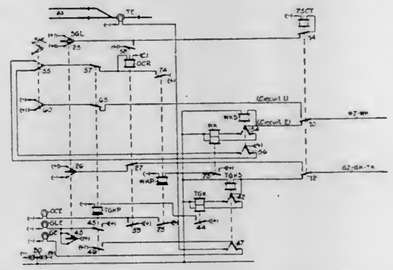
2,383,802
RETRACTABLE LINE APPLIANCE
John Odell Johnston, Irvington, N. J.
Application May 3, 1944, Serial No. 533,965
3 Claims. (Cl. 211—119.08)



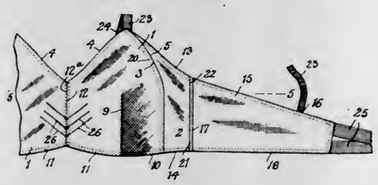
1. In a retractable line appliance, a bracket, a stud fixed to said bracket, a disc positioned on said stud, a second disc member positioned on said stud and provided with a centrally arranged offset boss adapted to abut the first mentioned disc member, said disc members being provided with oppositely flared peripheral portions which define a rope guide channel, a spring seated within said offset portion of the disc member, a latch member, a lever on said latch member, said latch member and said stud having complementary engaging means to latch the parts when the latch member is rotated in one direction and to release said parts when it is rotated in the opposite direction.

2,383,803
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 26, 1942, Serial No. 432,428
11 Claims. (Cl. 246—3)

1. In a centralized traffic controlling system of the unit line wire type for railroads, in combination with a line circuit connecting a central office and a distant field station, a control source of current and an indication relay at said office, an indication source of current and a control relay at said field station, control means for connecting said control source to an office branch wire or leaving it disconnected, indication means for connecting said indication source to a field branch wire or leaving it disconnected, normally at rest oscillatory contacts one at said office and one at said field station each for when active alternately connecting the associated source and branch wire and the associated relay into said line circuit but when at rest connecting the associated relay into said line circuit, electro-responsive means for operating said oscillatory contacts either separately or both at a time and when both are operated at a time operating them at different rates such that both a control circuit and an indication circuit are intermittently established each at a sufficiently rapid rate and for periods of sufficient durations that a substantially continuous control consisting of a series of current impulses and a substantially continuous indication consisting of a series of current impulses to effectively control said control relay and said indication relay respectively may be transmitted in opposite directions over said line circuit contemporaneously, and means for rendering the electro-responsive means at the controlled end active when an indication is to be transmitted from that end.

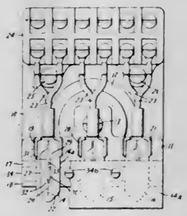


2,383,804
BRASSIÈRE
Leonore Kaunitz, New York, N. Y.
Application February 15, 1944, Serial No. 522,438
3 Claims. (Cl. 2—42)



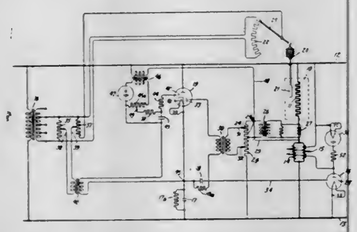
1. In a brassière, a bust cup portion composed of two sections of fabric seamed together to provide a vertical seam having its upper end beginning at the central upper end of the bust cup and extending downwardly on a curved line around the side margin of the bust enclosed in the cup, said seam extending continuously from the upper edge of the brassière to its lower edge, said seam consisting of the joinder of two edges of the two fabric sections, which edges have one set of the threads of at least one of the fabric sections disposed parallel to them, whereby said seam is disposed on the "straight" of the fabric of at least one of the two sections of fabric united by it, said sections each having an upper edge extending from the upper end of the seam, said edges being also on the straight of the material of the sections.

2,383,805
ELECTRIC SWITCH
Paul B. Korneke, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 27, 1943, Serial No. 484,725
3 Claims. (Cl. 175—320)



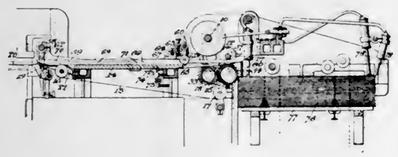
2. An electric switch comprising an operating coil, pole pieces for said coil each provided with an elongated end portion thereby to provide elongated pole faces, said elongated portions of said pole pieces being constructed and arranged in non-parallel relation with each other to provide for varying magnetic fluxes between substantially opposite points along said pole faces with a predetermined energization of said coil, a plurality of electric switches, an armature associated with each of said switches movable to operate said switch from one switching position to another, means biasing each of said armatures to an unattracted position in which each of said switches is in one of its switching positions, means mounting said switches adjacent said pole faces and in spaced relation with each other along said pole faces with said armatures adjacent substantially opposite points on said pole faces spaced different distances from each other so that said armatures are attracted with different forces in dependence upon the distances between said adjacent pole faces upon a predetermined energization of said coil, and means for varying the energization of said coil thereby to move said armatures selectively to their attracted positions in response to predetermined different values of energization of said coil.

2,383,806
TEMPERATURE CONTROL SYSTEM
Ernest F. Kubler, Pittsfield, Mass., Elbert D. Schneider, Scotia, N. Y., and Gordon C. Nonken, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application April 1, 1943, Serial No. 481,448
7 Claims. (Cl. 219—20)



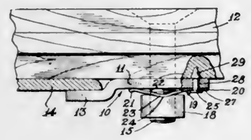
1. In a temperature control system, an electric heating resistor having a substantial temperature coefficient of resistance, connections for supplying a heating current to said resistor, means for controlling the current in said resistor, temperature responsive means for operating said control means to vary the current supplied to said resistor, and means responsive to the current in said resistor for operating said control means to limit the current in said resistor throughout a predetermined temperature range of said resistor over which the resistance of said resistor varies widely.

2,383,807
SHEET FEEDER
Hans J. Luehrs, Westerly, R. I., and Philip W. Cottrell, Stonington, Conn., assignors to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application April 22, 1944, Serial No. 532,292
14 Claims. (Cl. 271—12)



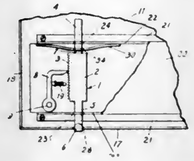
1. In a sheet feeder, a constant speed drive shaft, head guides, an endless tape carrier, means for feeding successive spaced sheets thereto, a tape drive roller and its shaft, and a change speed mechanism operatively connecting the constant speed drive shaft with the tape drive roller shaft to drive the carrier at a minimum speed for forwarding the sheets thereon slowly as they start, then increasing the speed of the carrier and sheets to a maximum and finally decreasing the speed of the carrier and sheets to a minimum so that the sheets will reach the head guides at a low speed, said change speed mechanism being operable to impart to the endless tape carrier one cycle of its variable speed movement each one-half rotation of the constant speed drive shaft, and the said sheet feeding means serving to feed a sheet to the endless tape carrier each rotation of the drive shaft.

2,383,808
FLOOR CLIP
John A. MacLean, Jr., Winnetka, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1942, Serial No. 450,158
5 Claims. (Cl. 189—35)



1. In combination in a floor clip having an apertured body arranged to engage a pair of floor members to be secured together by the clip, a spring washer member adapted to be engaged by the thrust face of the nut of a bolt by which the clip is secured in place, and means securing the washer plate to the clip body, said securing means including a rivet having a head shaped as a prong to enter into one of the members held by the clip to hold the clip against turning relatively to such member.

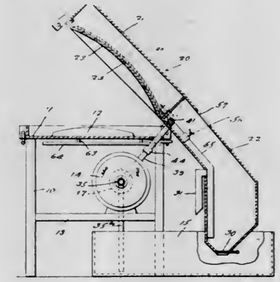
2,383,809
MIRROR RETAINING MEANS
Adolph Marchand, Jackson Heights, N. Y.
Application September 23, 1944, Serial No. 555,576
3 Claims. (Cl. 88—100)



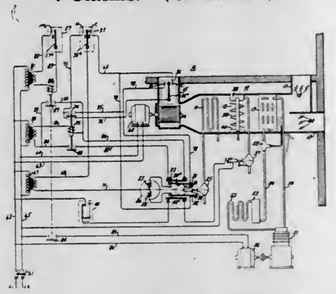
1. In a device of the class described, the combination of a supporting plate, a mirror to be mounted on the outer face of the said supporting plate, the said mirror and supporting plate being of substantially identical dimensions, the said supporting plate having outwardly projecting flanges along three sides and an inwardly-lipped flange along its fourth side, a long metal strip folded along both longitudinal edges to form a shallow channel having narrow flanges along both said longitudinal edges, the said channel strip being secured by its said longitudinal flanges to the outer face of the supporting plate with its longitudinal axis normal to the said lipped-flange edge of the supporting plate, the said mirror resting on the said three outwardly projecting flanges of the supporting plate and on the said channel strip with one edge underlying the said inwardly-lipped flange of the supporting plate, a clip having an inwardly-turned lip secured to one of the parallel projecting-flanged edges of the supporting plate near the third projecting-flanged edge, the parallel walls of the channel strip having a pair of aligned slots, a member having reduced extensions at both ends received in the said aligned slots to mount the said member for sliding movement in the said channel strip, the other of the said parallel projecting flanges of the supporting plate having a slot aligned with the said slots of the channel strip wherethrough one of the said slide extensions protrudes, the said protruded end of the slide extension having an inwardly-turned lip adapted to overlie the said mirror, the said slots and slide member being located near the said third projecting-flanged edge of the supporting plate and substantially opposite the said clip, the other of the said slide extension being offset to provide a shoulder, a flat spring provided with a slot for the said offset extension disposed between the wall of the channel strip and the said extension shoulder, said spring being adapted to urge the slide member in an outward direction to withdraw its lipped end from overlying relationship to the mirror, one edge of the said slide member being provided with ratchet teeth, and a pawl pivotally mounted on the said supporting plate and spring pressed into engagement with the said ratchet teeth of the slide to hold the slide against the said outward urgency of the spring with its said lipped end in overlying relation to the mirror, the said pawl mounting being secured to the pawl and having a part accessible from the inside face of the supporting plate.

2,383,810
HYDRAULIC PRESS
Edwin T. Masculine, Sherman Oaks, Calif.
Application October 18, 1944, Serial No. 559,313
7 Claims. (Cl. 18—16)

7. In a hydraulic press, in combination, a base, a pressure head pivoted thereto, a diaphragm in said pressure head, a counterbalancing tank mounted with said head on said base, a reservoir, means for forcing hydraulic fluid from said reservoir into said head to move said diaphragm, means to drain the fluid from said head to said tank, lock means to secure said head to said base, said lock means including a plurality of apertured lugs on said base and said head, pins adapted to be passed through said apertures, and means for simultaneously engaging and disengaging all of said pins with said apertures, said means including a plurality of rods carrying said pins, and bell crank levers associated with said rods for simultaneously moving all of said rods.



2,383,811
TEMPERATURE CONTROL SYSTEM AND APPARATUS
Wallace B. Miller, West Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application March 13, 1943, Serial No. 479,087
7 Claims. (Cl. 257—3)



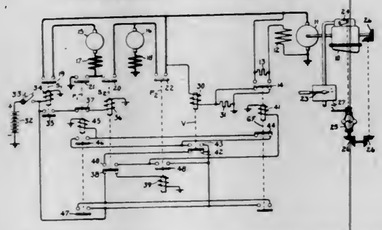
5. In combination, cooling control means including a thermostat, heating control means including a thermostat and a reversible motor operating valve under control of said thermostat, and a separate thermostat having means for reversibly operating said valve rendered ineffective under the control of said cooling thermostat and effective under the control of said heating control thermostat.

2,383,812
MOLD AND FABRICATION METHOD
Louis Navias, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 9, 1942, Serial No. 457,769
7 Claims. (Cl. 22—188)

1. The method of making a settable refractory mold composition which consists in dissolving

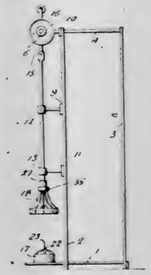
phosphorus pentoxide in ethyl alcohol, mixing said solution with a comminuted inert refractory oxide and magnesia whereby a chemical reaction occurs with the formation of a gelatinous bond and forming a mold from the mixture of refractory oxide and said bond.

2,383,813
ELECTRIC MOTOR CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 12, 1944, Serial No. 535,331
10 Claims. (Cl. 172—179)



10. An electric vehicle propulsion system comprising an internal combustion engine, a direct current generator driven by said engine, a pair of direct current electric traction motors, a plurality of interlocked switching means for connecting said motors to said generator in series or parallel circuit relation, and a relay responsive to the voltage of said generator for controlling said switching means, said relay being arranged to pick up at a predetermined generator voltage to initiate transfer of said motors from series to parallel circuit relation and to drop out at a second predetermined generator voltage no greater than one-half said first predetermined voltage to initiate retransfer of said motors from parallel to series circuit relation.

2,383,814
APPLE SLICER
De Soto E. Richardson, Wenatchee, Wash.
Application September 24, 1943, Serial No. 503,705
6 Claims. (Cl. 30—302)



6. In a slicer, a tube open at its upper and lower ends and sharpened about its lower end, blades spaced from each other circumferentially of said tube and extending radially therefrom, a ring about outer ends of said blades detachably engaged by the blades, shanks extending upwardly from inner ends of said blades and along said tube and interengaged therewith to prevent movement longitudinally of the tube, and a fastener surrounding said tube and engaged about upper end portions of the shanks to bind the shanks to the tube.

2,383,815
TERNARY SYNERGISTIC ANTIOXIDANT COMPOSITION
Roy W. Riemenschneider, Glenside, and Jack Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application April 24, 1943, Serial No. 484,346
10 Claims. (Cl. 260—398.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An antioxidant composition comprising an ascorbyl monoester of a saturated aliphatic monocarboxylic acid containing from 12 to 18 carbon atoms per molecule, a compound selected from the group consisting of alpha-tocopherol and the isomers and analogues of alpha-tocopherol, and phospholipids.

2,383,816
ALKALI COMPOUNDS CONTAINING ANTIOXIDANT COMPOSITIONS
Roy W. Riemenschneider, Glenside, and Jack Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application April 24, 1943, Serial No. 484,348
12 Claims. (Cl. 260—398.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An antioxidant composition comprising an ascorbyl monoester of a saturated aliphatic monocarboxylic acid containing from 12 to 18 carbon atoms per molecule, an alkali soap and a compound selected from the group consisting of alkali carbonates and alkali bicarbonates.

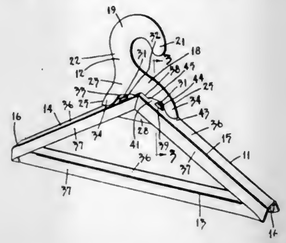
2,383,817
ORGANOSILICON COMPOUNDS
Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application April 30, 1940, Serial No. 332,606. Divided and this application March 24, 1942, Serial No. 435,938
7 Claims. (Cl. 260—2)

1. A polymeric organo-silicon compound comprising oxygen atoms and divalent aromatic radicals linked to silicon atoms, the said compound containing no Si—Si linkages each of a plurality of said oxygen atoms and divalent aromatic hydrocarbon radicals being linked to two different silicon atoms, the oxygen atoms in said compound not exceeding an average of one for each two silicon atoms.

2,383,818
PREPARATION OF ORGANOSILICON HALIDES
Eugene G. Rochow and William F. Gilliam, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 26, 1943, Serial No. 496,186
14 Claims. (Cl. 260—607)

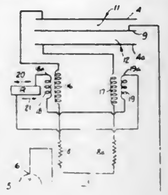
1. The method which comprises effecting reaction between a hydrocarbon halide and the silicon component of a contact mass comprising silicon and an oxide of copper.

2,383,819
GARMENT HANGER
Henry O. Ronning, Minneapolis, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application October 29, 1942, Serial No. 463,727
3 Claims. (Cl. 223—87)



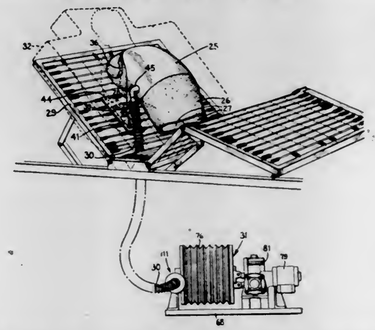
1. A garment hanger comprising a frame including a cross frame member and converging side frame members connected thereto and separable at their ends, a fastener including a plate-like body having an elongated opening extending through an edge thereof for the endwise reception of one of said side frame members, said opening forming in said body a lug having a shoulder extending across said opening and a recess opposite said lug forming a bight in said opening, the denoted side frame member having a longitudinally extending slot therein for the reception of said lug and forming a transversely extending shoulder for engagement with the shoulder on said lug, said side frame member bending in its passageway through said bight, and straightening when the slot registers with the lug to cause the lug to be received within the slot and means for attaching said other side frame member to said fastener.

2,383,820
APPARATUS AND METHOD FOR UTILIZING IONIZING RADIATIONS
Solomon Rosenblum, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,245
5 Claims. (Cl. 250—83.6)



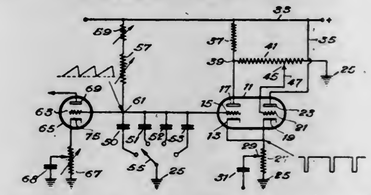
1. A device for detecting and counting the ionizing radiations of radio-active material, said device comprising a first electrode, a second electrode, and a third electrode which is located between the first electrode and the second electrode, a mass of radio-active material, one of said electrodes being a shielding electrode, said shielding electrode being located between said mass and at least one of the other electrodes, said shielding electrode being permeable to said radiations, said shielding electrode being shaped and located to stop said radiations unless said radiations exceed a predetermined intensity, the gaps between said electrodes having ionizable gas, the electrodes of each gap being respectively connected to the opposed terminals of a source of electric current whose voltage is less than the respective discharge voltages of said gaps when the gas in said gaps is non-ionized, a relay which has a coil, the coil of said relay being coupled at its ends to the respective circuits of said gaps, said respective circuits applying opposed voltages to said coil, so that said relay will remain inoperative if equal voltages are applied, by said respective circuits to said coil.

2,383,821
APPARATUS FOR ARTIFICIAL RESPIRATION
Dennis R. Scanlan, St. Paul, Minn.
Application February 7, 1939, Serial No. 255,009
11 Claims. (Cl. 128—30)



7. Artificial respiration apparatus comprising an enclosure for surrounding the chest of a patient including a substantially rigid front chest portion, a flexible back portion secured thereto in such a manner as to support at least a portion of the weight of a patient, means comprising soft flexible resilient members at the ends of said enclosure arranged to conform to the shape of the patient's body and form a seal for the enclosure when air is withdrawn therefrom, and means for holding said chest portion in a relatively fixed position relative to a support for a patient's body.

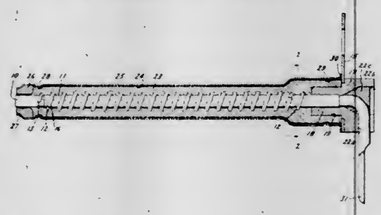
2,383,822
OSCILLATION GENERATOR
Kurt Schlesinger, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 4, 1942, Serial No. 433,290
4 Claims. (Cl. 250—36)



1. A saw-tooth wave generator comprising an electron discharge device including a cathode, an anode and a control electrode, an electrical storage element connected between the control electrode and a predetermined point of fixed potential, means for supplying charging energy at a substantially uniform rate in a positive direction to the storage element, means to bias the cathode of the discharge device relative to the point of fixed potential to a predetermined amount, a second electron discharge device also including a

cathode, a control electrode and an anode, an impedance element connected between the anode of the first electron discharge device and said point of fixed potential, a connection between the second named control electrode and an intermediate point of said impedance element, and a connection between the cathode of the second discharge device and the cathode of the first discharge device, so that at a time period when the charge acquired by the storage element is equal to the cathode bias, a discharge of the storage element is initiated and the cathode is placed at the potential of the fixed point so as to accelerate the discharge rate of the storage element.

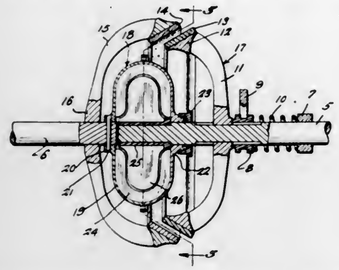
2,383,823
ELECTRIC RESISTOR
Richard H. Schmitt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1943, Serial No. 490,872
4 Claims. (Cl. 201—67)



1. An electric resistor comprising an electrically conducting terminal rod, a layer of electric insulating material on said rod, a solid electric insulating and supporting member on one end of said rod provided with an aperture through which said rod extends, vitreous enamel insulating material securing said rod and said insulator together, a smaller portion on said insulator extending along said rod, a second terminal member provided with an aperture through which said smaller portion extends and with integral lugs extending lengthwise of said smaller portion thereby to secure said second terminal member in laterally extending relation with said smaller portion of said insulator, an electric resistance conductor on said rod, electrical connections between the ends of said resistance conductor respectively and said rod and said second terminal, a mass of hardened insulating material on said rod surrounding said resistance conductor, a layer of corrugated mica surrounding said insulating material, said mica having its corrugations extending substantially lengthwise of said terminal rod, and an outer tubular metal sheath surrounding said mica and having an enlarged portion at one end surrounding said smaller portion of said insulator.

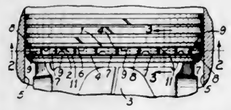
2,383,824
COMBINATION FLUID AND FRICTION CLUTCH
Waldemar W. Schulz, Wells, Minn.
Application June 5, 1943, Serial No. 489,835
1 Claim. (Cl. 192—3.2)

In combination, a pair of complementary shaft ends, a fluid clutch between the shaft ends, and a friction clutch between said shaft ends, said friction clutch consisting of a stationary clutch element and a movable clutch element, said clutch element comprising a pair of spiders including complemental annular friction members oblique transversely to the axis of said shaft ends, said spiders and members enclosing said fluid clutch,



and said spiders and friction members being separate from the fluid clutch and forming a cage for the same.

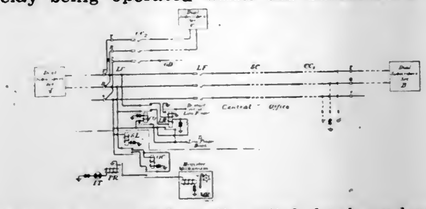
2,383,825
PISTON PACKING
Dallas M. Smith, Kirkwood, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 6, 1940, Serial No. 312,760
5 Claims. (Cl. 309—45)



1. A piston packing comprising a pair of thin resilient ring members formed of ribbon steel and adapted to engage the cylinder wall, a spacer positioned between said ring members and formed of ribbon material bent flatwise and arranged to provide substantially U-shaped portions joined by connecting portions therebetween, said spacer being substantially circular in form and being arranged so that the effective cross-sectional area of the spacer defined by the inner and other peripheries thereof is greater than the cross-sectional area of the material from which the spacer is made and so that portions of the outer face of said spacer are positioned a considerable distance inwardly from the cylinder engaging faces of said ring members, and said ring members having projections formed on faces thereof removed from the cylinder wall and adjacent said spacer and adapted to engage said spacer at said portions so that radial expansion thereof is limited and so that portions of said spacer adjacent said cylinder wall cannot come in contact therewith, and a ring expander positioned between the bottom of said ring groove and the rear faces of said ring members and adapted to exert radial force on said ring members.

2,383,826
LINE USAGE RECORDER CIRCUIT
Fred Bernard Spencer, Los Angeles, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 21, 1944, Serial No. 527,416
6 Claims. (Cl. 179—7.1)

5. Telephone line usage recorder apparatus for a telephone subscriber's set, comprising tip, ring and sleeve terminals, a first relay connected to said sleeve terminal and operated when the sleeve terminal becomes grounded, a second relay connected to the ring terminal through the armature and back contact of said first relay, said second relay being operated when the subscriber's re-

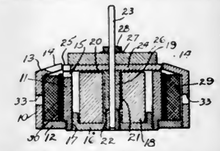


ceiver is removed from its switch-hook, and pulsing and recording apparatus controlled by said second relay.

2,383,827
PROCESS OF PREPARING SILICONE RESINS
Murray M. Sprung, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 1, 1943, Serial No. 474,335
9 Claims. (Cl. 260—2)

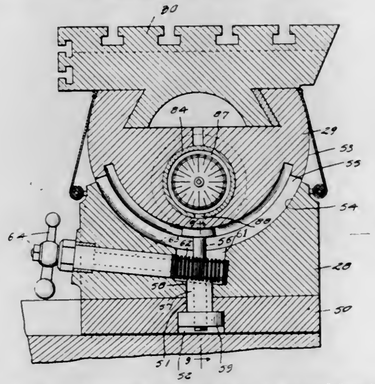
1. The process which comprises heating a solution of an organo-silicone resin in a solvent comprising an inert aromatic liquid selected from the group consisting of toluene, benzene, and xylene in contact with a catalyst comprising a hydrated metal salt selected from the group consisting of hydrated halides of iron and tin under conditions such that at least 10 per cent of the non-resinous components of the solution are removed by distillation, the said resin being the product of hydrolysis of a composition comprising an organo-silicon halide selected from the group consisting of alkyl, aryl, and aralkyl silicon halides.

2,383,828
ELECTRIC MOTOR
Cyrus Swift, Chicago, Ill.
Application April 28, 1944, Serial No. 533,180
5 Claims. (Cl. 172—278)



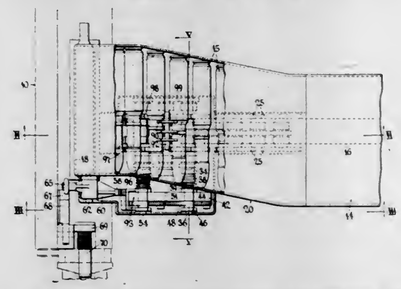
1. A self-starting synchronous motor comprising a rotor having an annular series of radially outwardly projecting teeth uniformly spaced around the circumference of said rotor, a stator comprising a toothed stator element having its teeth disposed substantially in the plane of rotation of the teeth of said rotor, a second toothed stator element having its teeth disposed below the plane of rotation of said rotor teeth and in close proximity thereto, said second stator element teeth being staggered with respect to said first stator element teeth, one corner of each rotor tooth being cut off, said cut off corner being on the trailing side of each tooth with respect to the desired direction of rotation and said cut back corner being so dimensioned that the remaining end portion of each rotor tooth is appreciably less than the end portion of each confronting stator element tooth, means for establishing an alternating magnetic flux and for passing a portion of said flux through said first and second stator teeth to alternately and oppositely magnetize the two sets of stator teeth, and means for polarizing said rotor teeth.

2,383,829
ABRADING APPARATUS
Loren E. Thompson, Parkersburg, W. Va.
Application March 12, 1943, Serial No. 478,925
7 Claims. (Cl. 51—217)



7. In an abrading machine, in combination, a support, a saddle base on said support, means slidably mounting said base on said support, said means including an outer pair of parallel slide members, parallel guides for said slide members carried by said support, means pivotally mounting said base on said support for adjustment about a vertical axis, and releasable locking means for locking said slides to said base, said locking means including a threaded bolt, a nut threaded on said bolt and rotatably carried by a slide, gear teeth carried by said nut, and a threaded shaft engaging said gear teeth and adapted to rotatably adjust said nut to either slide locking or slide releasing position.

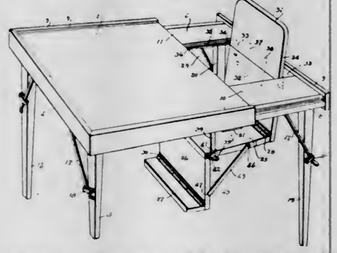
2,383,830
AERIAL CANNON AMMUNITION FEED ASSIST ACCESSORY MECHANISM
John C. Trotter, Williamsville, and John L. Jewett, Buffalo, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application June 10, 1941, Serial No. 397,422
6 Claims. (Cl. 89—33)



1. A gun ammunition feed accessory device adapted to be mounted in conjunction with the ammunition feedway of a gun for feeding to the gun an ammunition belt comprising ammunition rounds linked by corresponding rounds-encircling links in articulated relation, said feed accessory device comprising a guide member having opposed side and top and bottom wall portions adapted to slidably encompass the belted ammunition when trained thereinto for guiding the ammunition rounds thereof into the ammunition feedway of the gun, sprocket means rotatably mounted upon

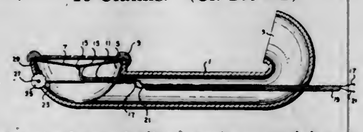
said guide member to extend into geared engagement with successive of said ammunition rounds when feeding interiorly of said guide member, said sprocket means being disposed with corresponding side edge portions thereof in directional alignment with corresponding side edge portions of said links as they enter said guide member whereby said sprocket means slidably engage against and guide said links to move in a predetermined direction while passing through said guide member, the side wall portions of said guide member at positions intermediately of the ends thereof being inclined relative to the sprocket-guided direction of movement of said links whereby as the cartridge belt moves through said guide member the ammunition rounds thereof are successively cammed endwise by said guide side wall portions while said links are maintained by said sprocket means against similar cammed displacement so as to withdraw said ammunition rounds successively from attachment with the links thereof, said guide member having a link ejection opening extending through a wall portion thereof disposed in registry with the positions of said links subsequent to their becoming detached from said rounds, said ejection opening being adapted to permit said links to fall therethrough while preventing said ammunition rounds from passing therethrough.

2,383,831
COMBINATION EXTENSION TABLE AND CHAIR
Ernest Walker, Winnipeg, Manitoba, Canada
Application October 5, 1942, Serial No. 460,826
In Canada October 6, 1941
8 Claims. (Cl. 155—124)



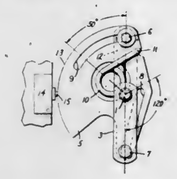
1. In combination, a table having a top carrying stationary portion and an extension portion having a top opening therein and both portions provided with folding legs and a foldable chair carried by the extension portion and accessible through the said opening in the extended position of the extension and adapted to take a folded position underlying the table top in the closed position of the extension.

2,383,832
INTERCOMMUNICATION SYSTEM
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application January 29, 1943, Serial No. 474,013
19 Claims. (Cl. 179—1)



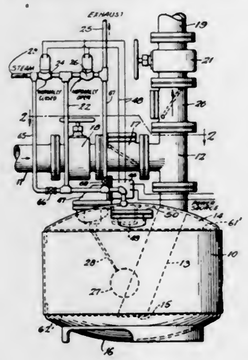
1. A telephone instrument comprising a piezoelectric unit adapted to generate electrical potentials when subjected to mechanical stresses and vice versa, a diaphragm operatively connected to the element for translating sounds into electrical potentials, and means for agitating the element to thereby produce potentials higher than those produced by sounds, said means including a manually operable element having an uneven contour and a device for transmitting motion to the piezoelectric element independently of said diaphragm from said contour when the latter is in motion.

2,383,833
DIFFERENTIAL CAM MECHANISM
Charles W. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 27, 1944, Serial No. 537,561
4 Claims. (Cl. 74—567)



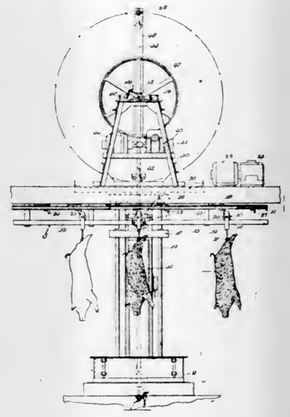
1. A differential cam mechanism comprising a pair of driven shafts in aligned axially spaced relation, a pair of radial arms attached to said shafts at adjacent ends and normally extending in substantially opposite directions, a cam pivotally connected to the outer end of one of said arms, and a lost motion connection between said cam and the outer end of the other of said arms.

2,383,834
SEWAGE EJECTOR
Charles Yeomans, Hubbard Woods, Ill., assignor to Yeomans Brothers Company, a corporation of Delaware
Application November 5, 1943, Serial No. 509,149
4 Claims. (Cl. 103—248)



1. Sewage handling apparatus comprising a sewage receiver having inlet and outlet sewage piping connected thereto, a conduit connected to the top of said receiver for delivering steam under pressure into the receiver portion above the highest level of sewage received therein, and a baffle mounted in said receiver intermediate the delivery end of said conduit and said highest sewage level, said baffle serving to prevent the steam from penetrating and mixing with said sewage content.

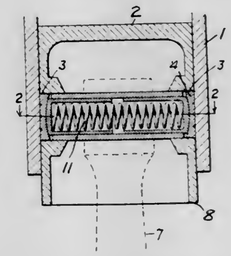
2,383,835
CARCASS DIPPING APPARATUS
Adolf G. Ackermann, St. Louis, Mo., assignor to The Allbright-Nell Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1942, Serial No. 464,759
6 Claims. (Cl. 17—1)



1. The combination with a tank containing coating material, of an overhead rail extending over the tank, adapted to have trolleys with carcasses suspended therefrom travel in spaced apart order along it, and provided with a cutout directly above the tank dividing it into a preceding and a following rail section, a power driven conveyor extending along the rail, provided with a series of pairs of spaced apart pusher fingers for the trolleys, and adapted when driven to have the leading fingers of the pairs propel the trolleys constantly along the preceding rail section to the cutout, means for dipping the carcasses into the tank for coating purposes comprising a rail section shaped to fit within the cutout and mounted to slide between an up position wherein it bridges the cutout and is adapted to receive a carcass supporting trolley from the preceding rail section and a down position wherein the carcass suspended from the trolley thereon is immersed in the material in the tank and then back again to its up position in order that the trolley thereon with the coated carcass is in position to be propelled onto the following rail section, and power driven mechanism independent of the drive means for the conveyor adapted to slide the movable rail section back and forth between its said up and down positions and designed and controlled automatically in such manner that each time a trolley is propelled onto the movable rail section by the leading finger of one pair while such movable rail section is in its up position, it slides the movable rail section into its down position for carcass dipping purposes and then returns said movable rail section to its up position in time for the trailing finger of said one pair to propel the trolley onto the following rail section.

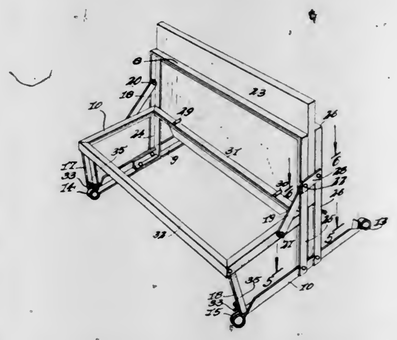
2,383,836
INTERNAL-COMBUSTION ENGINE
William Smiley Adams, Haverford, Pa.
Application June 21, 1944, Serial No. 541,393
4 Claims. (Cl. 309—19)

1. In an internal combustion engine, the combination with a piston and cylinder, of a tubular crank pin open at each end through the piston wall, said piston wall being provided with an external annular groove disposed in alinement with the open ends of the tubular crank pin, a piston ring fitted in said groove and covering the open ends of said crank pin, a pair of plungers having tubular skirts mounted in the hollow crank pin with their heads in contact with the



piston ring and with their skirts in confronting relation, whereby oil or lubricant under pressure forced from the exterior of the piston between the exterior of the plunger and skirts and the inner wall of the crank pin, causes the plungers to exert pressure in the direction of the axis of the crank pin, and on the median portion of the piston ring.

2,383,837
FOLDABLE ARTICLE OF FURNITURE
Christian Ashmusen, Kings Park, N. Y.
Application April 21, 1944, Serial No. 532,045
3 Claims. (Cl. 5—174)



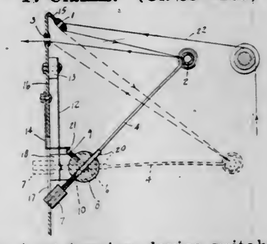
1. A foldable article of furniture, comprising two upright frames, beams extending transversely to the lower ends of said frames and supporting said frames in spaced relationship to form a vertical channel between the frames, a shield vertically reciprocable in said channel and extending substantially above said frames in the unfolded position of the article of furniture, a rectangular platform, straight flat links connected to said platform intermediate its ends and pivotally suspending said platform from said frame to maintain the inner side of said platform adjacent the lower end of said shield, said platform being swingable into one of said frames into a folding position and out of that frame into an unfolded position, and means transmitting the swinging motion of said platform to said shield to reciprocate the latter.

2,383,838

TENSION CONTROL, STOP MECHANISM, AND WARNING SIGNAL FOR KNITTING MACHINES

Robert N. Auble, Indianapolis, Ind.

Application July 3, 1944, Serial No. 543,248
17 Claims. (Cl. 66—163)



1. A constant tension device suitable for knitting, coning and like machines, having in combination a rocking lever with two arms, one of said arms being longer and having at its end an eyelet for guiding yarn and the other end of said arm being shorter and carrying a counterbalancing weight adjustably positioned thereon, the said entire lever system being pivoted to move freely in a vertical plane about a point of equilibrium, means pivotally supporting said lever, the said long arm being adjustable to provide a change in the position of the center of gravity of the said lever system in a vertical plane including the sweep of said arm, the said center of gravity being lifted by upward movement of said lever and offering constantly increasing resistance to said movement as the angle through which it has moved is increased, a second eyelet positioned substantially in the plane of movement of said lever to guide yarn from a source of supply to the said first eyelet on said long lever arm, and a third eyelet also positioned substantially in the plane of movement of the lever to guide yarn from the said first eyelet to the machine, the said three eyelets being positioned with respect to each other so as to provide friction on the yarn and thereby to provide a constantly increasing effective lifting force on the long arm of said lever.

2,383,839

CURED POLYMER MIXTURE

Nathan S. Beekley, Jr., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application June 15, 1940, Serial No. 340,778
8 Claims. (Cl. 260—42)

1. A composition of matter comprising in combination a low-temperature olefin-diolefin interpolymer, characterized by a molecular weight within the range of 15,000 to 150,000, an iodine number within the range of 1 to 50 and reactivity with sulfur, in the proportion of 5% to 99%; together with polyethylene in the proportion of 95% to 1%, sulfur in the proportion of 1% to 5% and small, significant quantities of zinc oxide, stearic acid and an organic sulfide.

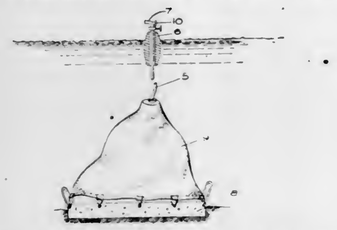
2,383,840

UNDERWATER FUEL STORAGE SYSTEM

Willis J. Benckert, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application November 6, 1942, Serial No. 464,742
3 Claims. (Cl. 222—95)

1. An underwater fuel storage system comprising a rubber-like, collapsible fuel container, an anchor base to rest on the bottom of the body of water in which said container is submerged, means to detachably secure said container adjacent said base, a fuel hose having a valve on one end, a float to support said valved-end of said fuel hose adjacent the surface of the water,



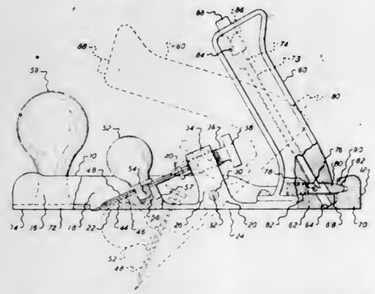
the other end of said fuel hose being in communication with the top of said container and forming the sole communication with the interior thereof whereby the hydrostatic pressure of the water will cause fuel to flow from the container to the valved-end of said hose without contact between the water and the fuel in said container.

2,383,841

WOOD PLANE

Howard H. Benn, Detroit, Mich.

Application February 12, 1943, Serial No. 475,599
2 Claims. (Cl. 145—15)



1. A wood plane comprising a main body portion having a work engaging bottom portion with an opening defined therein, a second bottom portion located in said opening and pivotally supported intermediate its ends from said main body portion, a cutting blade supported on the forward end of said second bottom portion, said bottom portions being spaced at the forward end of said second bottom portion to define an opening through which the cutting blade of the plane projects to engage the work, abutment means supporting said bottom portions in the same plane by limiting pivotal movement of said second bottom portion in one direction, the forward end of said second bottom portion being swingable downwardly through said opening into a position to clear shaving accumulations from said opening.

2,383,842

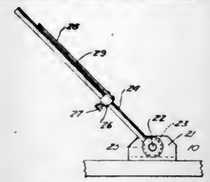
BAG FORMING MACHINE

Samuel H. Berch, Beverly Hills, Calif., assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif., a corporation of Nevada

Application February 16, 1942, Serial No. 431,021
3 Claims. (Cl. 271—2.1)

1. In a bag forming machine, a guide standard, comprising a base member, a straight rod

pivotally mounted thereon to swing in a plane normal to a web to be guided, means for adjustably setting said rod in various angular positions relative to the base, and a straight guide finger



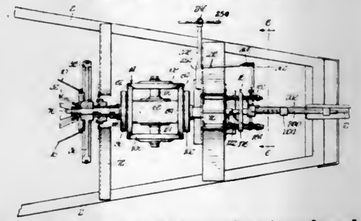
on the rod extending parallel thereto and cooperating with the rod to form a slit-like guide throat through which a flat sheet of material may be drawn.

2,383,843

MECHANISM FOR RODDING AND CLEANING PIPES, SEWERS, AND THE LIKE

Samuel O. Blanc, Des Moines, Iowa

Application June 13, 1942, Serial No. 446,860
17 Claims. (Cl. 15—104.30)



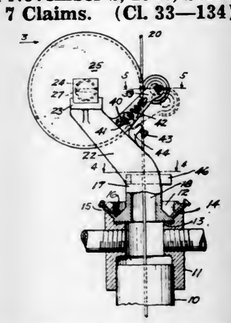
1. In a power operated mechanism for cleaning sewers and the like, the combination of a power transmitting and feeding mechanism comprising a single solid flexible rod adapted to be introduced into the sewer and the like and for transmitting torsional energy to a cleaning device attached to the end thereof, means for imparting longitudinal movement to said rod, means for rotating said rod about its longitudinal axis, said before mentioned means comprising gripping means including opposed gripping blocks provided with longitudinal grooves for receiving said rod, said grooves having their marginal edges spaced apart a distance less than the diameter of said rod, said edges being adapted to grip said rod in opposed substantial line contact.

2,383,844

OIL WELL BAILER LINE MEASURING DEVICE

John G. Bouslog, Compton, Calif.

Application November 2, 1942, Serial No. 464,191
7 Claims. (Cl. 33—134)



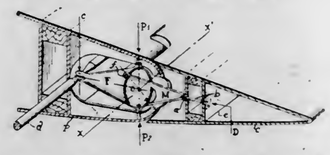
5. A bailer line measuring device, comprising a base structure adapted to be detachably mounted over the upper end of a well casing, a counter wheel rotatably supported by said base structure and around which a bailer line is wrapped, spaced circumferential flanges on said wheel and between which said line is wrapped, a counter associated with said wheel, a traction wheel mounted upon the base structure and having a circumferentially extending flange adapted to project between the wrapped convolutions of the bailer line on the counter wheel, and means carried upon the base structure at a point between the counter wheel and base and whereby the bailer line may be gripped and held against movement.

2,383,845

DEVICE FOR OPERATION OF THE CONTROLS OF AIRPLANES

René Alexandre Arthur Couzinet, Rio de Janeiro, Brazil

Application April 25, 1941, Serial No. 390,326
In France April 25, 1940
6 Claims. (Cl. 244—90)



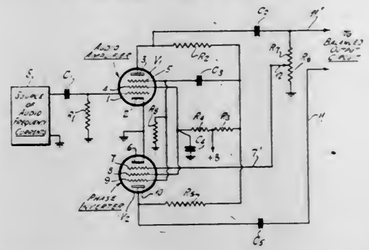
1. A device for controlling an aircraft including a fixed air foil surface and a trailing movable control surface pivotally connected thereto, comprising a control element, a first member, means pivotally mounting the first member on said fixed air foil surface for swinging about a first axis at substantially right angles to the cord of said air foil surface, a second member having two ends, means rotatably connecting one of said ends to said first member about a second axis disposed at an acute angle to the first axis, means for swinging said first member about said first axis, and means mounting the other end of said second member on said control surface for rotation about a third axis substantially transverse to the second axis whereby, when the first member swings about said first axis, to swing said control surface about a fourth axis transverse to the first axis.

2,383,846

SELF-BALANCING INVERTER CIRCUIT

James Bruce Crawley, Washington, D. C., assignor to Radio Corporation of America, a corporation of Delaware

Application April 15, 1944, Serial No. 531,268
6 Claims. (Cl. 179—171)



1. The combination with a signal amplifier tube having input and output electrodes, a phase inverter tube provided with input and output electrodes, means adapted to apply amplified signal voltage at said amplifier output electrodes upon

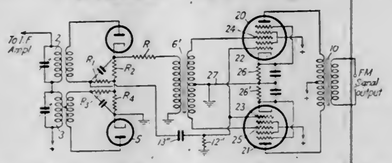
the inverter tube input electrodes, separate output connections from the respective amplifier and inverter tube output electrodes; of the improvement which consists of a resistive impedance common to the space current paths of both tubes adapted to develop voltage in response to the output of one tube exceeding the output of the second tube, and separate parallel connections from said impedance to each tube adapted to apply said last voltage in degenerative phase to said one tube and in regenerative phase to said second tube.

2,383,847

FREQUENCY MODULATION RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 20, 1942, Serial No. 435,467
9 Claims. (Cl. 250—20)



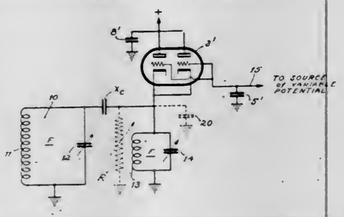
1. In a frequency modulated carrier wave system, a detector for such waves constructed to produce a first modulation voltage corresponding to the frequency modulation component of the modulated waves and a second voltage corresponding to an amplitude modulation component of said waves, means for inversely modulating said first modulation voltage with said second voltage, said last means comprising a first tube having at least two spaced control elements and an output electrode, means for applying said two voltages separately to respective ones of said two control elements, a second tube having at least two spaced control elements and an output electrode, means applying at least said second voltage to one of the second tube control elements, means for biasing at least said one control element of said second tube sufficiently negative to place the tube operating point near negative cut-off thereby to provide a desired curvature in the tube operating characteristic, and means connecting the output electrodes of both tubes in a sense to balance out said second voltage.

2,383,848

REACTANCE CONTROL CIRCUIT

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 25, 1943, Serial No. 477,072
7 Claims. (Cl. 250—40)



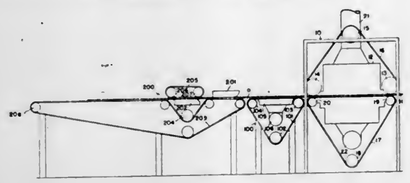
1. In a system of the type comprising an alternating current network whose frequency characteristic is to be controlled, a reactive impedance of fixed value, a resistive impedance of a predetermined maximum value, said impedances being connected in series across the network; the improvement comprising means for varying the value of the resistive impedance over a wide range, said varying means including an electron discharge tube having at least a cathode, control grid and anode, said resistive impedance being located in the space current path of the tube between said cathode and a point of relatively fixed alternating potential, said reactive impedance being connected between solely the cathode end of said resistive impedance and the high alternating potential side of said network, means for establishing said grid at a relatively fixed alternating potential, said resistive impedance being included in circuit with the grid and cathode, means connecting said anode to a source of positive direct current voltage, the anode circuit being free of any alternating current load, and means for adjusting said grid over a wide range of potential values thereby to vary the transductance of the tube.

2,383,849

METHOD AND APPARATUS FOR MAKING SHEET MATERIAL

Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application March 11, 1940, Serial No. 323,430
11 Claims. (Cl. 154—1)



1. The method of making sheet material which comprises providing a sheet of loosely aggregated fibrous material having a thermoplastic binder therethrough, and ironing a surface of said sheet without compacting the body of said sheet by slidingly engaging said surface with a smooth heated surface.

5. Apparatus for forming sheet material of the kind described comprising means for advancing a web of loosely aggregated fibrous material having a thermoplastic binder therein, means for heating and softening said binder, means for compressing said sheet material to desired thickness, means for cooling and setting said binder, ironing means for thereafter slidingly engaging one surface of said sheet material to compact and smooth said surface without compacting the body of said sheet.

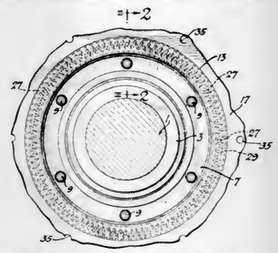
2,383,850

FLEXIBLE COUPLING

Richard M. Dilworth, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 10, 1942, Serial No. 465,103
3 Claims. (Cl. 64—27)

1. A flexible coupling comprising an outer rim member having an internal flange intermediate its side faces, annular members fixed on opposite sides of said flange having grooves in their outer faces forming a part of a helix, a pair of inner hub or spider members having external flange portions adjacent the outer side faces thereof, the inner annular surfaces of said flange portions of said hub members having grooves forming a complementary part of said helix, a pair of helical springs adapted to have portions of adjacent turns thereof entered into the grooves of adjacent faces of the members fixed to the rim member and the grooves in the



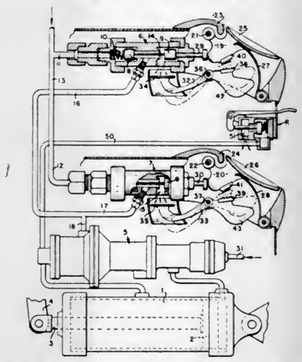
faces of the flange portions of the hub members, and means for holding the hub members together to keep said springs in engagement with said grooves of said members and flanges whereby the coupling assembly absorbs torque and axial forces between the rim and hub members.

2,383,851

TWO-HAND CONTROL FOR SERVOMOTORS

Wallace F. Gayring, Minoa, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York

Application May 11, 1944, Serial No. 535,038
7 Claims. (Cl. 121—38)



1. A two hand control including a pair of self-returnable control valves of the combined intake and exhaust type normally arranged with their intakes closed and their exhausts open and connected independently in a power fluid feed line, so that power fluid in passing through either valve when either only is operated passes out through the exhaust of the other unoperated valve, a pair of manuals for operating the valves respectively, and means operated by the current of exhausting fluid from either of the control valves when the other control valve only is operated, to prevent the unoperated valve from operation.

2,383,852

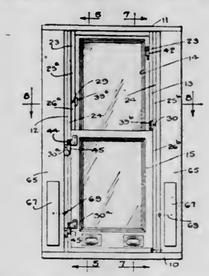
WINDOW CONSTRUCTION

Harry Goldenberg, Philadelphia, Pa., assignor of one-third to Henry Goldenberg and one-third to Charles E. Meyers, both of Philadelphia, Pa.

Application October 6, 1943, Serial No. 505,101
5 Claims. (Cl. 20—46)

1. In a window construction, in combination, a main frame, a pair of double counter-balanced

sashes slidably mounted therein, means permitting said sashes to be swung inwardly of the frame about hinges respectively secured to opposite sides of said frame simultaneously as said sashes are disconnected from their respective counter-balancing devices, spring-pressed detents for connecting said counter-balancing devices to said frame automatically as said sashes are swung out of their normal planes of sliding movement, said frame being provided in the opposite sides



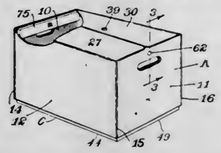
thereof with sash-guiding channels and said channels being vertically recessed to accommodate said spring-pressed detents and means operatively associated with each detent for detachable engagement with opposite sides of each sash for normally connecting the latter to its opposed counter-balancing devices, the opposite edges of each sash being provided with blind recesses for receiving said last-mentioned means and concealing the same from external view when the sashes are in their normal sliding positions.

2,383,853

CONTAINER

Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

Application February 16, 1942, Serial No. 431,120
10 Claims. (Cl. 229—16)



1. A container comprising two main parts, one of said parts comprising rectangularly arranged side walls, an open bottom, and a top cover; the other of said parts comprising rectangularly arranged side walls, an open top and a bottom, said side walls of said two parts designed to extend from relative longitudinal movement with the side walls of said one part enclosing the side walls of said other part, and means extending through adjacent walls of both said parts for releasably holding said parts in telescoping relation.

2,383,854

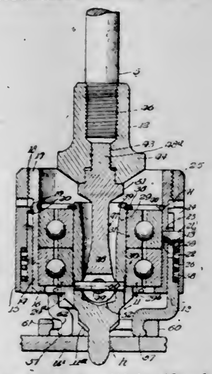
COUNTERSINK DEVICE

Joseph M. Gwinn, Jr., San Diego, and Christian L. R. Smeltzer, Spring Valley, Calif., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application September 25, 1944, Serial No. 555,652
17 Claims. (Cl. 77—73.5)

1. A tool device adapted to be actuated by a power driven shaft and comprising a ring shaped body, a tool positioned adjacent one end of, and

in axial alignment with, the body and mounted for rotation on a fixed axis relatively to said body, a rotatable adaptor disposed adjacent the other end of the body, provided with means for connection to the shaft, and so proportioned with respect to width and also so positioned that it has lateral clearance about it in all directions,



and a universal joint within the body extending between, and serving drivably to connect, the opposed portions of the adaptor and tool, adapted to permit the shaft and adaptor to swing laterally relatively to the tool and body and embodying articulation members adjacent said one end of the body and in close proximity to the operating portion of the tool.

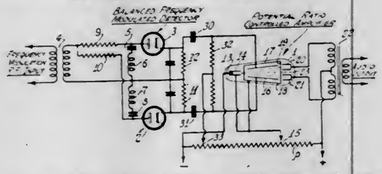
2,383,855

POTENTIAL RATIO-CONTROLLED AMPLIFIER

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 10, 1942, Serial No. 468,449

14 Claims. (Cl. 250—20)



1. In combination with a detector of angular velocity-modulated carrier waves adapted to produce a pair of independent voltages which correspond to modulation of the carrier waves, and which voltages are of like polarity relative to a common reference voltage point but of different magnitude, an electron discharge tube comprising an electron emission element, a pair of electron collector electrodes, a modulation voltage utilization circuit coupled to said collector electrodes, means confining the electrons emitted from said emission element to an electron beam projected toward said collector electrodes, at least two beam control electrodes in spaced relation on oppostie sides of said beam, said control electrodes diverging in the direction of said collector electrodes, means for applying the aforesaid modulation voltages of differing magnitude to respective ones of said control electrodes, and means for maintaining said spaced control electrodes at a normal negative potential with respect to said collector electrodes whereby said electron beam is constrained to flow within a limited region between the two control electrodes.

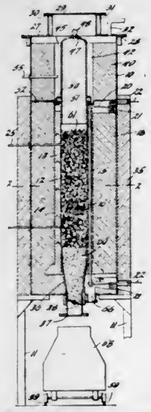
2,383,856

APPARATUS FOR PRODUCING METALLIC MAGNESIUM

Fritz J. Hansgirg, Black Mountain, N. C., assignor to North Carolina Magnesium Development Corporation, Asheville, N. C., a corporation of North Carolina

Application December 31, 1943, Serial No. 516,494

18 Claims. (Cl. 266—19)



1. A retort for the recovery or refining of metallic magnesium which comprises, in combination, a heating chamber having walls of refractory material resistant to magnesium vapors, a source of heat for said chamber, a metal outer container enveloping said chamber, heat insulation between the refractory walls of said chamber and of said outer container, a vessel within the upper portion of said container within which vessel the magnesium vapors are condensed.

2,383,857

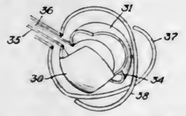
ULTRA HIGH FREQUENCY WAVE COUPLING DEVICE

René Hardy and Pierre de Maertelaere, Lyon, France; vested in the Alien Property Custodian

Application April 24, 1942, Serial No. 440,417

In France July 5, 1941

2 Claims. (Cl. 250—11)



1. A radio goniometer coil assembly comprising two orthogonal plane winding turns forming a stator and a rotor in coupling relation therewith consisting of two electrically connected diametral hemispherical zone portions each consisting of opposite segments assembled with the segments of the respective zone portions in 90° angular relation whereby the current induced in the rotor will remain sinusoidal with the elimination of octantal errors and circuit connections to the stator and to the rotor segments.

2,383,858

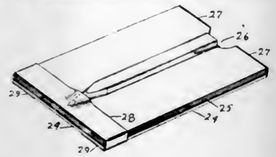
PENCIL-BONDED MEMORANDUM PAD

Carl C. Harris, Orange, Mass.

Application November 3, 1943, Serial No. 508,813

3 Claims. (Cl. 281—15)

3. A writing pad comprising a flat base of suitable material, a multiplicity of like sheets uniformly superimposed thereon having midway of the width of their upper ends uniform alined recesses adapted to receive the resilient clip of a mechanical pencil and enable it to embrace a plurality of said sheets, an adhesive binding



securing the remainder of the upper edges of said sheets together and to said base, and means secured to said base overlying the lower corner portions of said superimposed sheets to prevent relative lateral displacement of the sheets and curling of the corners.

2,383,859

CAPILLARY ACTIVE AGENTS

Winfrid Hentrich, Dessau-Rosslau, and Heinz-Joachim Engelbrecht and Erik Schirm, Dessau, Germany; vested in the Alien Property Custodian

No Drawing. Application June 14, 1941, Serial No. 398,106. In Germany July 5, 1940

2 Claims. (Cl. 260—556)

1. A new capillary active diacyl imide, N-benzoyl-n-dodecane-sulphamide.

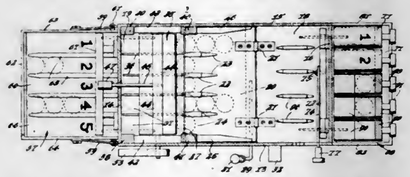
2,383,860

MACHINE FOR PLAYING CARD GAMES

John J. Hickey, Arlington, N. J.

Application December 1, 1943, Serial No. 512,423

12 Claims. (Cl. 273—148)



1. An apparatus simulating the dealing in card games, wherein the cards are replaced by balls carrying card indicia, comprising, in combination with a casing and means located within said casing for mixing said balls, a ball-displaying tray removably attached to one side of said casing, a pocket-carrying tray removably attached to an opposite side of said casing and adopted to conceal said balls before, during and after removal, and means located within said casing for transmitting the mixed balls to said trays.

2,383,861

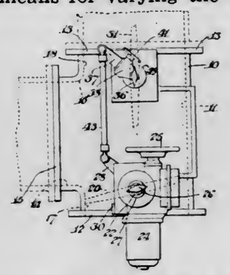
THREE-WAY VALVE

David W. Hopkins, Philadelphia, Pa.

Application December 7, 1942, Serial No. 468,155

1 Claim. (Cl. 137—144)

In valves, a valve housing of T shape, a power unit mounted operatively on the housing, an arm actuated by the power unit for pivotal movement relative to the housing, a second arm mounted for pivotal movement relative to the housing, a link of predetermined and fixed length pivotally connecting the respective arms for synchronous movement through a predetermined fixed path, a vane element mounted operatively in the housing and fixedly coupled to the first mentioned arm to move therewith, a second vane element mounted operatively in the housing and coupled to the second mentioned arm to move therewith on its same pivot, means for varying the coupling be-



tween a selected one of said vane elements and its respective arm, and visual indicating means in fixed relation to said selected vane element by which its angular relation to its said arm can be observed.

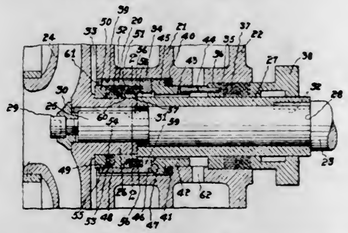
2,383,862

SEALING DEVICE

Hanns Hornschuch, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application December 13, 1943, Serial No. 514,045

4 Claims. (Cl. 286—7)



1. In a sealing device, the combination of a casing and a rotor therein, a pair of sealing members having surfaces to cooperate with each other for effecting a seal, means for holding one sealing member against rotary movement, and helical springs for transmitting rotary movement from the rotor to the other sealing member and to press it into sealing engagement with the said one sealing member and having intermediate portions thereof interlocked with the said other member and the rotor.

2,383,863

PROCESS FOR PREPARING KETENES

Richard Hueter, Dessau-Rosslau, Anhalt, Germany; vested in the Alien Property Custodian

No Drawing. Application November 29, 1938, Serial No. 242,894. In Germany December 2, 1937

5 Claims. (Cl. 260—550)

3. A higher molecular ketene containing a mono valent aliphatic substituent radical of 4 to 27 carbon atoms.

2,383,864

CONCRETE FORM TIE

Theodore R. Judkins, Atlanta, Ga.

Application July 31, 1944, Serial No. 547,344

2 Claims. (Cl. 25—131)

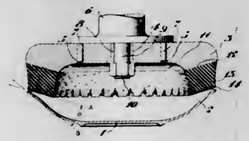
1. A concrete form tie comprising an elongated bar substantially rectangular in transverse sec-

tion and formed with a longitudinal threaded channel in one side thereof, a pair of substantially frusto-conical guide members formed with openings therethrough for receiving the ends



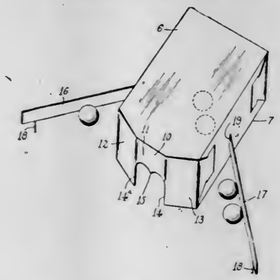
of said bar and a pair of threaded bolts engaging through said guide members and threadably engaging said bar whereby tightening of said bolts will draw the opposite sides of the form toward each other.

2,383,865
STAMP DECORATING OF ARTICLES OF MANUFACTURE
Jay H. Keller, Sebring, Ohio
Application January 12, 1942, Serial No. 426,413
2 Claims. (Cl. 101—379)



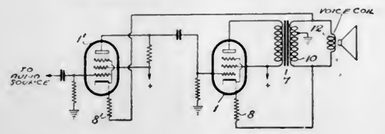
1. A stamp for decorating a concave dish-like surface of an article of manufacture, which comprises a stamp carrier having a conical face, a resilient pad having substantially parallel faces, one of which is attached to the conical face of said stamp carrier, and a stamp member bearing a design upon one of its faces and having the other of its faces secured to the outer face of said resilient pad, the parallelism of the faces of said pad enabling the conically disposed face of said stamp to engage and be impressed upon a dish-like surface of different angularity without substantial difference in the degree of compression at various local areas of said pad.

2,383,866
PRACTICE DEVICE FOR GOLF PUTTING
Harold A. Kling, New Haven, Conn.
Application November 17, 1943, Serial No. 510,631
1 Claim. (Cl. 273—35)



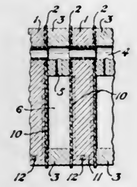
Apparatus for use in practicing golf putting, comprising an upright target member cut away at the middle front portion to provide an opening defined at its lower part by a floor against which the member is placed, through which opening a ball rolling on the floor can roll without obstruction, said target member having immediately adjacent the respective sides of said opening slanting deflecting surfaces, and also having walls leading forwardly from the outer side margins of said deflecting surfaces, and projecting lateral barriers adapted to be impinged by the balls striking the deflecting surfaces, said barriers being joined to said forwardly extending walls and creating side pockets adjacent said walls.

2,383,867
POWER OUTPUT AMPLIFIER CIRCUIT
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 13, 1943, Serial No. 472,291
10 Claims. (Cl. 179—171)



1. In combination with a power output stage of the type having a tube provided with an unbypassed cathode resistor, a reproducer having a voice coil, means coupling the voice coil to the tube output electrodes, additional means, including solely said coil in series with said resistor in the space current path of the tube, whereby alternating voltage developed across the coil is applied directly to the tube input electrodes in phase and magnitude such as to compensate for degenerative effects produced by the unbypassed resistor.

2,383,868
FILTERING DEVICE
Philip B. Kraus, Chadd's Ford, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 2, 1943, Serial No. 512,523
4 Claims. (Cl. 210—188)

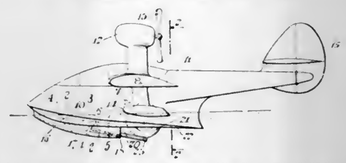


1. In a filter press constructed of a plurality of filter plates faced with filtering members and spacer members disposed between the facings of the filter plates for providing a closure around the margins of the plates and an enclosure for unfiltered liquids in the inter-marginal area, said plates, filtering members and spacer members being provided with registering openings therethrough for forming a feed passage when said elements are in juxtaposition; means for sealing around the margins of the openings through the filtering material which comprises a member composed of flexible compressible material having a tubular portion disposed for lining the passage through a plate and the filtering member facing said plate, and flexible skirting portions at the ends of said tubular portion, said skirting portions being disposed between the outer face of the filtering member and the spacer ring when the filter press is assembled.

2,383,869
LUBRICANT AND PREPARATION
Eugene Lieber, West New Brighton, Staten Island, N. Y., and Raymond M. Dean, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1942, Serial No. 470,643
19 Claims. (Cl. 252—46)

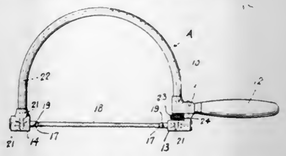
1. Lubricant comprising a major proportion of waxy mineral lubricating oil and a pour-depressing amount of an oil-soluble Reimer-Tiemann reaction product of an alkylated phenol and chloroform.

2,383,870
AMPHIBIAN AIRCRAFT
Charles Townsend Ludington, Ardmore, Pa.
Application July 6, 1942, Serial No. 449,933
8 Claims. (Cl. 244—101)



1. In aircraft, a landing wheel, a water landing surface, and skid means effectively slidable from a retracted position out of contact with the wheel to an effectively extended position underlying and in contact with the wheel bridging between the wheel and water landing surface to permit landing of the aircraft on water without retraction of the wheel and arranged so that water landing shocks are transmitted to the wheel for absorption thereby.

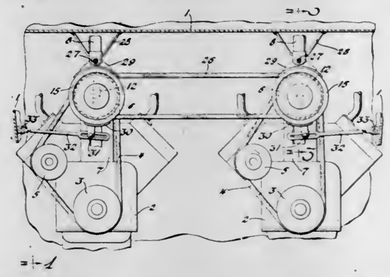
2,383,871
THUMB-CONTROLLED COPING SAW
David B. McNeely, Calvert, Tex.
Application June 6, 1944, Serial No. 538,909
2 Claims. (Cl. 145—33)



1. A coping saw comprising a frame, mountings at opposite ends of the frame, worm screw shanks rotatably fitting the mountings, saw blade coupling jaws on the shanks, a saw blade detachably engaged by the jaws, and a flexible operating shaft confined in the frame and having worm gears at its respective ends meshing with the screw shanks for actuating the same in unison with each other for angular adjustment of the blade.

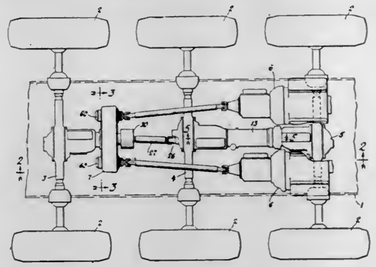
2,383,872
GENERATOR DRIVE
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 15, 1943, Serial No. 472,500
4 Claims. (Cl. 171—231)

4. In combination, a plurality of generators for electrical connection in the same electrical system, a belt drive between said generators to synchronize their speed of operation for substantial equalization of electrical output of the several generators, means mounting said generators to enable their relative adjustment toward and away from one another for regulating drive belt tension, a plurality of separate drive sources arranged to be coupled normally for conjoint operation at the same speed, drive transmitting means between the individual drive sources and certain of the generators and each drive transmitting



means including an overrunning clutch and at least one of said drive transmitting means being constructed to accommodate axial misalignment between its drive source output shaft and the generator input shaft incident to relative belt tensioning adjustment of the generators and for that purpose comprising a drive shaft embodying both universal and slip joints.

2,383,873
VEHICLE DRIVE MECHANISM
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1943, Serial No. 473,511
8 Claims. (Cl. 180—24)



1. In combination, a drive axle assembly having a differential between the wheels thereof, a pair of tandem drive axle assemblies having a differential therebetween and each having a differential between the wheels thereof, a power source for driving all the wheels, a power divider connecting said power source and the axles for transmitting less than half the torque to the first mentioned axle and the remainder to said tandem axles, said power divider comprising differential gearing including a sun gear drive connected with the differential of the first mentioned axle, a ring gear drive connected with the differential between the tandem axles, a planet gear in mesh with both the sun gear and the ring gear, a carrier for the planet gear drive connected with the power source, means slidably mounting said ring gear for axial adjustment toward and from the carrier and clutch formations on the carrier adapted to be engaged by the slidable ring gear for releasably coupling the same to the carrier at will.

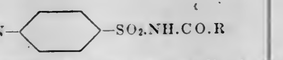
2,383,874

p-AMINOBENZENESULPHONAMIDES AND A PROCESS FOR THEIR MANUFACTURE

Henry Martin, Rudolf Hirt, and Otto Neracher, Basel, Switzerland, assignors to the Swiss firm of J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application March 13, 1942, Serial No. 434,626. In Switzerland April 24, 1941
4 Claims. (Cl. 260—397.7)

1. The p-aminobenzenesulphonamides of the formula



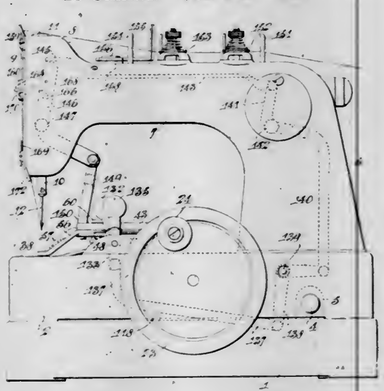
wherein R represents a benzene radical containing in p-position to the —NH.CO— group a member selected from the group consisting of CH_3, OCH_3 and SCH_3, and in m-position to the said group a member selected from the group consisting of H, CH_3, OCH_3 and SCH_3.

2,383,875

BUTTON SEWING MACHINE

William T. Maxant, Ayer, Mass.

Application May 20, 1940, Serial No. 336,248
18 Claims. (Cl. 112—112)



2. In a button sewing machine, the combination of a base, a hollow standard and lateral arm portion carried by the base, sewing means mounted in the arm portion, a button clamp mounted on the base for raising and lowering movements relative thereto, linkage extending through the base, standard and arm and operatively connected with the button clamp for raising and lowering said clamp, and a hand lever pivotally mounted in the base and having an actuating portion thereof extending through the top of said base externally of the standard to a point above the base and having another portion thereof connected with said linkage for actuating the same.

2,383,876

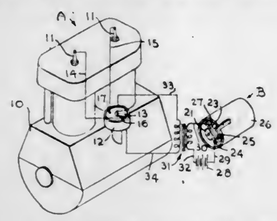
IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Wilbur L. Mayo, Hampton, Va.

Application October 26, 1944, Serial No. 560,452
5 Claims. (Cl. 60—97)

1. A constant speed system for an internal combustion engine having, associated therewith, a distributor, provided with a rotor operatively connected with a rotating portion of said engine, said system comprising an electric switch having a fixed contact and a movable contact, means wholly independent of the speed of said engine for rhythmically opening and closing said switch, a spark coil electrically connected to one of said contacts, a source of electric energy electrically connected with said coil and with the other of said contacts, and an electric conductor from the high tension side of said coil to said rotor.

4. A constant speed system for a pair of internal combustion engines, each having a distributor associated therewith, said distributor being provided with a rotor operatively connected with a rotating portion of its engine, said system comprising a single electric switch having a fixed



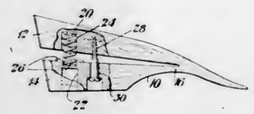
contact and a movable contact, means wholly independent of the speed of said engines for rhythmically opening and closing said switch, a spark coil electrically connected with one of said contacts, a second spark coil, a source of electric energy connected with the low tension side of each of said coils, an electric conductor from the low tension side of said second-named coil to the other of said contacts, an electric conductor from the high tension side of said first-named coil to one of said rotors, and an electric conductor from the high tension side of the other of said coils to the other of said rotors.

2,383,877

SPRING WEDGE HEEL

Carl Louis Miller, Franklin Furnace, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio, a corporation of Ohio

Application October 28, 1944, Serial No. 560,727
11 Claims. (Cl. 36—35)



1. A resilient wedge heel comprising upper and lower wood sections spaced substantially from each other throughout the back and a substantial proportion of the remainder of the heel, a spring mounted between said sections to urge them apart, and means for limiting the action of said spring and for restricting the separation of said sections to a predetermined maximum extent.

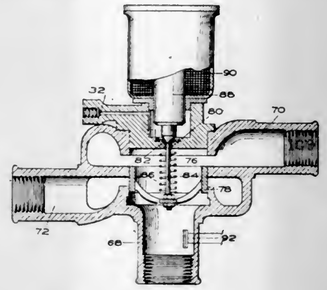
2,383,878

LUBRICATION SYSTEM CONTROL VALVE

Leslie T. Miller, Stoneleigh, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Original application July 16, 1941, Serial No. 402,569, now Patent No. 2,311,069, dated February 16, 1943. Divided and this application October 3, 1942, Serial No. 460,641
4 Claims. (Cl. 236—34)

1. A valve for directing the flow of lubricant in a lubricating system comprising a housing having oil inlet port means and a plurality of oil outlet port means, a flow control valve mounted in said housing adjacent said outlet port means so that movement of said valve opens one outlet port at a time, valve actuating means including a solenoid to move the valve in a predetermined manner to direct the flow of lubricant from the inlet port to one of the outlet ports and including a secondary separate valve structure in said



housing through which diluent is introduced into the flow of lubricant through said housing, so that when the flow control valve directs oil through one outlet port, the diluent valve is closed and when said first valve moves to direct the flow of oil through a second outlet port, the diluent valve is opened.

2,383,879

ABRASIVE PAPER ROLLS

Hugo Mock, New York, N. Y.

No Drawing. Application January 10, 1945, Serial No. 572,253
2 Claims. (Cl. 51—306)

1. A new article of manufacture useful in cleaning pots and pans comprising a sheet of absorbent paper adapted to be put up in roll form, a thin layer of wax applied superficially to one surface only of said paper, and an abrasive in powdered form applied to said thin wax layer, the abrasive side of the paper being adapted to be rubbed on a dirty surface to be cleaned and the abrasive-free, absorbent surface being adapted to clean up the dirt dislodged by the abrasive.

2,383,880

METHOD FOR THE PRODUCTION OF POLY-CONDENSATION PRODUCTS

Otto Moldenhauer and Helmuth Bock, Hirschberg, Riesengebirge, Germany; vested in the Alien Property Custodian

No Drawing. Application September 4, 1940, Serial No. 355,402. In Germany July 29, 1939
2 Claims. (Cl. 260—78)

1. The method of producing polycondensation products of the type adapted for working into fibers and films which consists in mixing thiosemi-carbazide with sebacic acid anhydride and melting them together at approximately 200° C.

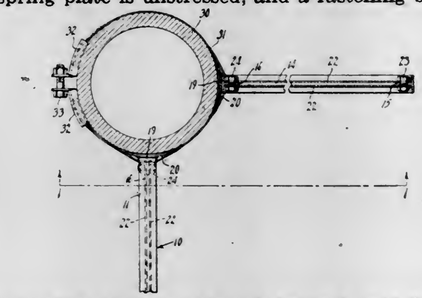
2,383,881

SIGN

Gerald P. Murphy, Cleveland, Ohio

Application September 15, 1941, Serial No. 410,822
5 Claims. (Cl. 40—145)

1. In a sign, a post, a sign frame, a laterally extending spring plate integral with said sign frame adjacent said post, said spring plate having a curvature incongruent with said post, portions of adjacent surfaces of the post and spring plate being spaced from each other when said spring plate is unstressed, and a fastening strap



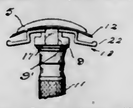
extending around said post, through said frame and over said spring plate.

2,383,882

SAFETY RAZOR

John Warren O'Mealey, Larchmont, N. Y.

Application February 10, 1944, Serial No. 521,837
2 Claims. (Cl. 30—73)



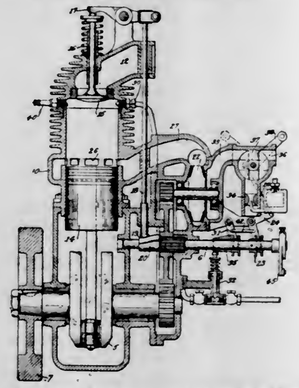
1. A razor of the class described comprising an inner clamping head and an outer clamping head adapted to clamp a blade therebetween, a flexible guard positioned between the blade and the inner head, said outer head having its lateral edges curved toward the inner head and projecting beyond the sides of the inner head, said inner head having a relatively narrow contacting surface with the guard, said guard having a normally flat central portion and side edges offset from the plane of the central portion to define shoulders inwardly of said side edges engaged by the outer clamping head and free of the inner clamping head and responsive to clamping pressure thereof to flex the guard for adjusting its lateral edges relative to the cutting edges of the blade.

2,383,883

INTERNAL-COMBUSTION ENGINE

Alden E. Osborn, Mount Vernon, N. Y.

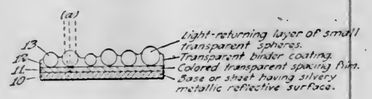
Application July 30, 1940, Serial No. 348,351
3 Claims. (Cl. 123—1)



1. In a four cycle internal combustion engine, a cylinder, a piston in said cylinder, a valve in

said cylinder, a port in said cylinder and adapted to be opened into said cylinder by said piston when said piston is in its outward position, a blower for forcing air thru said port, an inlet passage to said blower, a controllable valve in said passage, a combustible mixture-producing device communicating with said passage when said controllable valve is in one position, and an air inlet communicating with said blower inlet passage when said controllable valve is in another position, controllable means for operating said cylinder valve adapted to open said valve during the combustion stroke of said piston before said piston reaches said port in said cylinder and to optionally close said valve at the desired time during the period between the beginning of the suction stroke and end of the compression stroke of said piston, controllable means for injecting fuel into said cylinder at properly timed intervals, means whereby said means for controlling the fuel injection is simultaneously regulated with the operation of said cylinder valve controlling means, and means whereby the movement of said controllable valve of said blower inlet to close the air admission to said blower inlet passage and to open said combustible mixture-producing device to said blower inlet passage, operates said fuel injection controlling means and said controlling means for said cylinder valve to cause said valve controlling means to move to allow the closing of said valve during the suction stroke of said piston whereby to produce a vacuum in said cylinder and draw a combustible charge from said device into said cylinder when said cylinder port is opened by said piston.

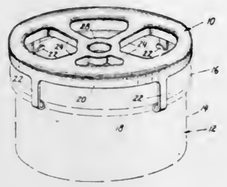
2,383,884
COLORED REFLEX LIGHT REFLECTOR
Philip V. Palmquist, New Canada Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application June 12, 1944, Serial No. 539,918
11 Claims. (Cl. 88—82)



1. A colored reflex light reflector comprising a light-returning layer of small uncolored transparent spheres held in position by a binder, an underlying reflector having a silvery metallic reflective surface spaced from the inner extremities of said spheres, and an interposed transparent spacing layer at least part of which constitutes a colored transparent stratum serving as a light filter between the layer of spheres and the reflective surface.

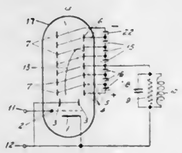
2,383,885
IMPACT SPIDER
John T. Parsons and Axel V. Brogren, Detroit, Mich.
Application January 11, 1943, Serial No. 472,080
2 Claims. (Cl. 102—8)

1. An impact member for a land mine comprising, in combination, an outside frame section having hook-shaped elements projecting from one side substantially perpendicular to the plane thereof, rib sections extending inwardly from the frame section and meeting at approximately the middle of the frame section to form an impact portion, said rib sections being correspondingly inclined and disposing the impact portion offset



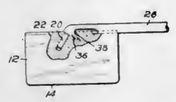
to the plane of the frame section on the same side thereof as said hook-shaped elements.

2,383,886
MULTIANODE ELECTRON TUBE AND WORKING CIRCUIT THEREFOR
Giulio Pasqualigo, Genoa, Italy; vested in the Alien Property Custodian
Application June 5, 1942, Serial No. 445,888
In Italy January 23, 1941
3 Claims. (Cl. 315—15)



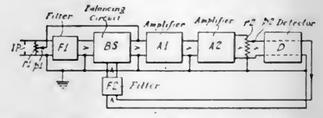
1. A cathode ray tube of the character described, an anode construction comprising a plurality of individual plate members positioned in two spaced parallel planes with the plates in each plane forming a set serially arranged, means connecting the first plate of one set with the second plate of the other set, further means connecting the successive plates of said one set to the successive plates of said other set, a control grid and a cathode in said tube adjacent said first plate, means for supplying electrical potentials to the respective plates of said other set which potentials decrease in magnitude with increase in the distance between the respective plates and the cathode, and an output circuit connected between an intermediate plate of said other set and said cathode.

2,383,887
RAZOR
Eugene M. Perkins, Boston, Mass.
Application October 14, 1944, Serial No. 558,681
13 Claims. (Cl. 30—53)



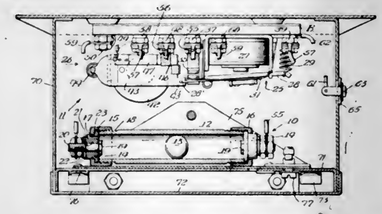
1. In a razor, the combination of a blade provided with a bearing whose axis is inclined to the cutting edge, a pivot turning in said bearing, a member which rotates said pivot in said bearing, and interengaging means on said blade and carried by said member normally to resist said turning, and a resilient connection between said pivot and said member normally tending to change their angular relationship and to thrust said member toward said blade.

2,383,888
AMPLIFIER CIRCUIT ARRANGEMENT
Thomas Henry Price, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 2, 1942, Serial No. 429,144
In Great Britain March 13, 1941
5 Claims. (Cl. 179—171)



5. A method of amplifying signals without distortion which includes the steps of subjecting the original signals to a predetermined phase shift, subjecting a predetermined portion of the original signals to a separate phase shift equal to the first phase shift, amplifying the two phase shifted signals in such relative amplitude and phases that in the absence of distortion of the original signals the output is zero, and balancing the last-named amplified signals against the said predetermined portion of the signals thereby to eliminate any distortion in the original signals.

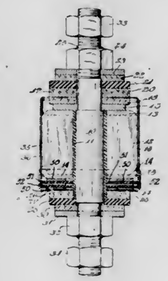
2,383,889
GRAVITY ACTUATED SWITCH
Livingston L. Rice, Nashville, Tenn., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application April 30, 1943, Serial No. 485,098
7 Claims. (Cl. 200—52)



1. In a gravity controlled switch, a straight tubular member, an element responsive to gravity mounted within said member and movable longitudinally thereof as said member changes position relative to the horizontal, said element conforming in transverse cross section to the transverse cross section of the space within said member and having a maximum cross sectional area slightly less than the cross sectional area of the space within said member whereby pneumatically to retard longitudinal movement of the element within the member, and means forming an electrical contact supported on and electrically insulated from said tubular member, at an end thereof, in position to be engaged by said element when at said end.

2,383,890
ELECTRICAL FILTER
William M. Robinson, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application September 18, 1942, Serial No. 458,892
4 Claims. (Cl. 178—44)

4. An electrical capacitor structure comprising a non-inductive wound capacitor section, a cylindrical metal casing having an end wall enclosing said section, and a metal strip wound edgewise into a spiral having one of its end turns in electrical connection with the protruding foil ends of one polarity of said section and having its other end turn in electrical connection with said end wall, insulating spacers inserted between

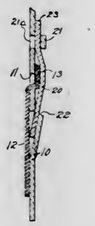


the turns of said spiral, whereby to connect said section to said casing through said spiral forming an induction coil, and insulated terminal means connected to the foil ends of opposite polarity of said section.

2,383,891
CEMENT COMPOSITION AND METHOD OF MAKING SAME
Edward W. Scripture, Jr., Shaker Heights, Ohio
No Drawing. Application July 17, 1942, Serial No. 451,323
19 Claims. (Cl. 106—90)

1. In the process of grinding cement clinker, the step which comprises grinding the clinker in the presence of about .005% to about .1%, based on the weight of the cement, of 2 amino 2 methyl 1,3 propanediol.

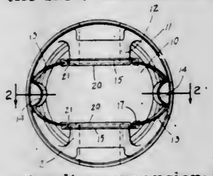
2,383,892
CALENDAR
Archie E. Shinkle, Eagleville, Tenn.
Application November 27, 1943, Serial No. 512,003
2 Claims. (Cl. 40—121)



1. A calendar of the kind described, comprising a holder having a transverse slot, pages located at the front side of the holder with their upper portions extended through the slot, the upper intermediate portion of the frontmost page contacting with the rear side of the holder, the holder having a second slot located below said first slot, a loop at the rear side of the holder above said first slot, and a key passing through said loop and second slot in contact with the upper immediate portion of the rearmost page to clamp said intermediate portions between itself and the holder.

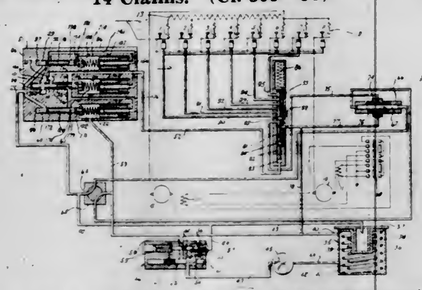
2,383,893
PISTON EXPANDER
Walter J. Six, Indianapolis, Ind.
Application March 10, 1944, Serial No. 525,920
13 Claims. (Cl. 309—12)

1. A piston expander adapted to be installed within a piston skirt having inwardly extending wrist pin bosses, said expander being generally oval to embody opposed side sections engageable with the opposed bosses, end sections engageable with the skirt intermediate said bosses,



and inwardly extending expansion folds formed in said end sections tapered from a greater depth of fold at the smaller end of the expander to a lesser depth at the larger end thereof.

2,383,894
FLUID-OPERATED CONTROL SYSTEM
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1942, Serial No. 456,490
14 Claims. (Cl. 303—54)

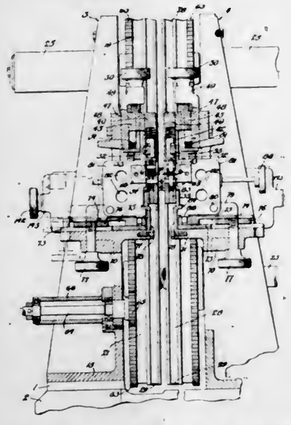


1. In a variable pressure hydraulic control valve, a valve block, a pressure inlet leading into said block, a variable pressure passageway in said block, a low pressure discharge outlet, a chamber in said block, a valve in said chamber controlling the passage of fluid from said pressure inlet to said pressure outlet, said valve including a pair of cooperating poppet valves for controlling the passage of fluid from said inlet to said outlet and from said outlet to said discharge opening, and comprising a sleeve having passageways therein leading from said inlet to said outlet, a hollow piston slidably movable within said sleeve and having passageways therein communicating with said pressure inlet and discharge opening, a plunger slidably movable within said sleeve and hollow piston, said plunger having a pair of valves thereon, one of said valves being adapted to be seated against one of said sleeves and form one poppet valve, for opening or closing the passageway therein and the other of said valves being adapted to be seated against said other sleeve and form the other poppet valve, for opening or closing the passageway therein, a spring in said chamber and having engagement with said hollow piston for urging said piston in a direction to close said discharge poppet valve and open said pressure poppet valve, and means for displacing said spring to increase or decrease the pressure of fluid in said pressure outlet.

2,383,895
METHOD OF DEPOSITING COPPER AND BATHS FOR USE THEREIN
Jesse E. Stareck, Oakville, and Frank Passal-acqua, Waterbury, Conn., now by judicial change of name, Frank Passal, assignors to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application May 1, 1941, Serial No. 391,310
4 Claims. (Cl. 204—52)

1. An aqueous bath for electrodepositing copper, comprising essentially, in solution, 45 to 75 g./l. of copper, 75 to 155 g./l. of formate radicals and 20 to 30 g./l. ammonium radicals, and having a pH value between 2 and 4 electrometric.

2,383,896
EDGING MACHINE
Ralph F. Taber, North Tonawanda, N. Y.
Application June 21, 1941, Serial No. 399,147
11 Claims. (Cl. 18—19)

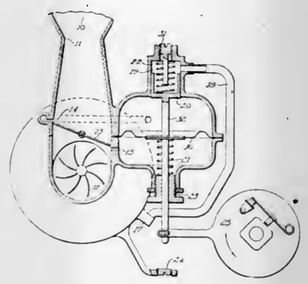


8. A machine for forming a tubular edge on sheet material comprising a pair of upstanding spaced coplanar end members, cross members connecting said end members intermediate the ends thereof, a lower pair of wheels each rotatably mounted on an upright side of one of said end members, a pair of bearing members each slidably mounted in the upper portion of one end member one of said bearing members having vertical sliding movement, adjusting means connected with each bearing and end member for moving said bearing members and retaining them in adjusted position, an upper pair of wheels each rotatably mounted on one of said bearing members and arranged at one side of said end members above the lower wheels on said end members, all of said wheels being in coplanar relation parallel to said end members, a pair of narrow endless bands, one engaged over the peripheries of said lower wheels and the other over the peripheries of said upper wheels for lineal movement with straight portions in opposed adjacent relation extending between the end members in substantially horizontal relation edgewise to the sides of said members, bearing means positioned below the straight portions of both of said bands for supporting both of said straight portions of said bands, a vertical guideway formed on said cross member, a top bearing member slidable in said guideway above and toward and from the straight portions of said bands, adjusting means engaging said top bearing and cross members operable to adjust the position of said top bearing member in said guideway, bearing rollers having supports slidably mounted in said top bearing member, said bearing rollers engaging the straight portion of the upper endless band for normally retaining it in engaged relation with the lower band and bearing means, and forming means mounted on one of said cross members for forming the free margin of a sheet held by said bands into a tubular portion, the adjustment of the bearings for the upper wheels cooperating with said top bearing member and its adjustment to retain the adjacent straight portions of said bands engaged throughout the entire length thereof for effectively holding sheets therebetween.

2,383,897
α-NAPHTHYLMETHYL ESTERS OF HYDROXY-ALIPHATIC ACIDS
Jack T. Thurston, Cos Cob, Conn., and John M. Grim, New York, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 22, 1941, Serial No. 424,058
4 Claims. (Cl. 260—484)

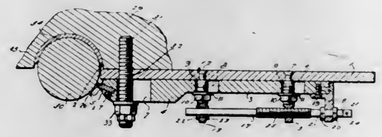
1. The α-naphthylmethyl ester of a α-hydroxy aliphatic carboxylic acid.

2,383,898
IGNITION CONTROL
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application January 22, 1945, Serial No. 574,012
7 Claims. (Cl. 123—117)



1. In a spark control device for an engine having a circuit breaker, comprising an air entrance leading to the engine, a throttle valve therein, a first port in the air entrance located on the atmospheric side of the throttle when the throttle is closed to the idling position, a second port located on the engine side of the throttle when the throttle is closed to the idling position, a diaphragm responsive to the pressure differences between the two ports, said diaphragm being mechanically connected to said circuit breaker, means whereby when the throttle is opened, the first port is placed on the engine side of the throttle and the second port is placed on the atmospheric side of said throttle, two stops, one for limiting the spark advance when the throttle is opened and the other for limiting the retard when the throttle is closed to the idling position, two yieldable opposed means for moving the diaphragm in each direction and for holding the diaphragm in an intermediate position when the throttle is opened towards the wide open position.

2,383,899
REFACING TOOL FOR CRANKSHAFT JOURNALS
Ernest Aubrey Vester, Danville, Ill., assignor of one-fourth to Harry W. Reuther, Danville, Ill.
Application April 22, 1944, Serial No. 532,303
2 Claims. (Cl. 82—4)



1. A tool for refacing and turning down shaft journals of automobile engines comprising a guide plate, a blade holder of plate-like form having a front end provided with a cutting blade mounted therein for positioning against a journal, means to attach said plate to the bottom face of the bearing web of a journal to be refaced, means to mount said holder on said plate for adjustment into different set positions to variably position said blade relative to said journal, and means to adjust said holder, said guide plate having a right angled edge lip for positioning in the bearing seat to prevent a bearing liner from interfering with said blade.

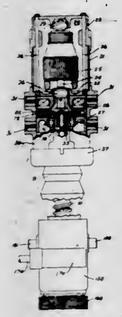
2,383,900
TREATMENT OF CELLULOSIC TEXTILE MATERIALS
George P. Vincent, Briarcliff, N. Y., Archie Louis Dubeau, Rumford, R. I., and John Francis Synan, Fall River, Mass., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application January 23, 1942, Serial No. 427,950
8 Claims. (Cl. 8—108)

1. The process of bleaching and scouring cellulosic textile material which comprises treating the material with an alkaline solution of a hypochlorite, an alkali metal chlorite and a detergent at a moderate temperature not substantially exceeding about 120° F., for a period of time sufficient to bleach the textile and substantially to exhaust the hypochlorite present in the solution, then raising the temperature of the solution to substantially 200° F. and continuing the treatment for a period of time sufficient for scouring the textile.

2,383,901
POWER TRANSMITTING DEVICE
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 10, 1942, Serial No. 468,475
14 Claims. (Cl. 74—407)

1. In combination with a main body having a load movably attached thereto, of an extensible and retractible load moving device comprising, a screw having a nut threaded thereon; a member attaching the nut to the load; an electric motor for rotating the screw; means securing the electric motor to the main body; means for preventing rotation of the nut while the screw is

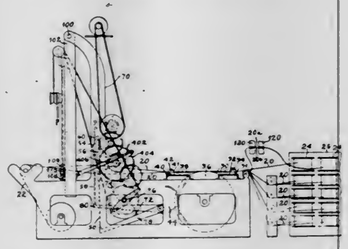
being rotated by the electric motor; means for rotating the nut; and means for preventing rotation of the screw while the nut is being rotated.



2,383,902
METHOD OF EXTRACTING VITAMIN C
Ryo Yamamoto and Takeshi Hara, Taiwan, Japan; vested in the Alien Property Custodian
No Drawing. Application September 12, 1940, Serial No. 356,559. In Japan September 14, 1939
2 Claims. (Cl. 167—81)

1. The method of extracting vitamin C which consists in adding a compound of magnesium of the group consisting of the oxide and the hydroxide to a fruit juice containing vitamin C, maintaining the solution alkaline thereby converting the vitamin C into a compound insoluble in water and alcohol, then suspending the compound in water and treating the same with an acid which forms an insoluble salt of magnesium and liberating the vitamin C, separating the insoluble compound and concentrating the vitamin C solution.

2,383,903
LOOM
Louis J. Zerbee, Bellefontaine, Ohio
Application July 7, 1941, Serial No. 401,333
4 Claims. (Cl. 139—97)



1. A wire feeding mechanism for use in a loom having a beater, said wire feeding mechanism including a drum mounted for rotation, means for rotating said drum so that its upper surface moves in the same direction as the warp wires are fed, means for supplying relatively stiff carbon steel wires to the drum, each warp wire being wound at least twice around the periphery of the drum, and tension means for the wires, said tension means being located between the drum and the beater of the loom.

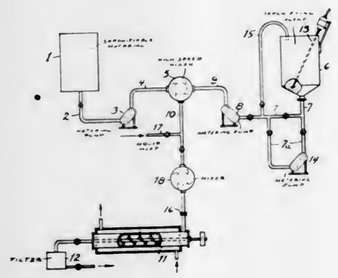
2,383,904
LUBRICANT MANUFACTURE
John C. Zimmer, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 12, 1942, Serial No. 454,531
4 Claims. (Cl. 252—41)

1. Continuous process for manufacturing soda soap grease which comprises continuously suspending anhydrous alkali in a mineral lubricating oil base stock having a viscosity of about 35 to 200 seconds Saybolt at 210° F. and continuously mixing controlled proportions of said alkali-oil suspension with a solution of a saponifiable fatty material in a mineral lubricating oil base stock, in grease-making proportions, and continuously heating and stirring the mixture until saponification has been completed to the desired degree.

2,383,905
LUBRICANTS
John C. Zimmer and George M. McNulty, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 9, 1942, Serial No. 468,421
3 Claims. (Cl. 252—35)

1. An extreme pressure lubricant consisting of an emulsion of one part of a mixture of from 50–75% mineral lubricating oil, 20–35% lead soap of a high molecular weight fatty acid and 5–15% of an oiliness agent, in from 1–3 parts of water.

2,383,906
IMPROVED MANUFACTURE
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 28, 1942, Serial No. 463,578
11 Claims. (Cl. 252—39)

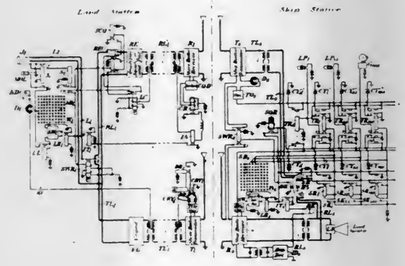


1. Continuous process for making soap-thickened compositions which comprises continuously mixing together at a temperature at least as high as saponification temperature proportioned amounts of a non-aqueous liquid medium containing a saponifiable material dissolved therein and a non-aqueous liquid medium non-reactive with a saponifying agent containing a dry saponifying agent dispersed therein, said mixing being effected in a high speed mixer in which said two liquids are contacted with each other in a highly turbulent zone whereby efficient dispersion thereof is obtained by means of the shearing action of rapidly moving parts.

2,383,907
PROCESS OF DESTROYING BACTERIA
Henry A. Beechem and Frederick W. Fabian, East Lansing, Mich., assignors to P. W. Bonewitz Co., Burlington, Iowa
No Drawing. Application June 28, 1943, Serial No. 492,600
6 Claims. (Cl. 99—156)

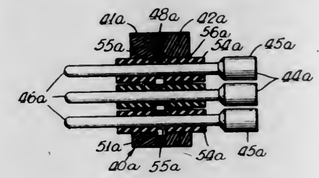
1. The process of treating foods to destroy sporogenic bacteria comprising momentarily contacting the surface of the same with an acid solution of a concentration not greater than 10% and at a temperature not in excess of about 135° F., and removing residual acid from the food.

2,383,908
RADIO TELEPHONE SYSTEM
Albert Franklin Bowers, Charleston, W. Va., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 5, 1944, Serial No. 521,228
14 Claims. (Cl. 250—6)



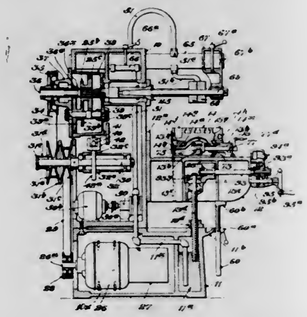
14. In a signaling system, a plurality of fixed stations each having a different fixed frequency two-way communication channel assigned thereto, each fixed station being arranged for two-way communication over the assigned channel only, a plurality of mobile stations arranged for two-way communication over any of a plurality of two-way channels having different frequencies and having a common two-way high frequency communication channel assigned thereto for intercommunication between mobile stations, each mobile station having frequency determining means thereat whereby it may communicate with any desired fixed station over the assigned high frequency channel thereof or with another mobile station at said common two-way high frequency communication channel, a dialing frequency common to all of the stations, code operated means at each fixed station to operate a signal thereat in response to a code individual to that station, code operated means at each mobile station responsive to a particular code to adjust the frequency determining means thereat to said common two-way high frequency communication channel, means at each mobile station to dial codes to selectively operate signals at said fixed stations, said last mentioned means also operating to modify said dialing frequency in accordance with a frequency determining code, and means at each mobile station responsive to said dialing frequency when modified by a particular code at another mobile station to adjust the frequency determining means at said first mentioned fixed station to said common two-way high frequency communication channel.

2,383,909
ELECTRICAL CONNECTOR
Stephen N. Buchanan, Elizabeth, N. J., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey
Application November 14, 1942, Serial No. 465,545
9 Claims. (Cl. 173—361)



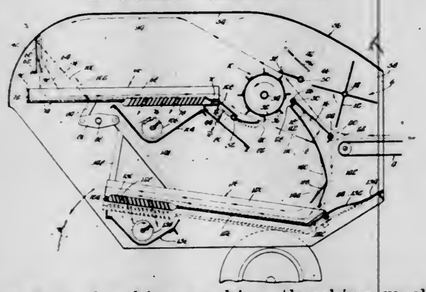
1. In an electrical connection of the type having a plug and a contact pin therefor and means operable within the plug for locking the pin in the plug; an insulating sleeve surrounding said pin and extending at each end thereof to a position substantially spaced from the plane of any transverse surface of said plug and having a lock portion, and said plug including an opening fitted to said pin and having a locking means to engage the lock portion of the sleeve of the pin in the opening, whereby said pin may be locked in said plug when it is inserted into the opening.

2,383,910
MILLING MACHINE
Robert S. Condon, Rutland, Vt.
Application June 8, 1942, Serial No. 446,211
17 Claims. (Cl. 90—21)



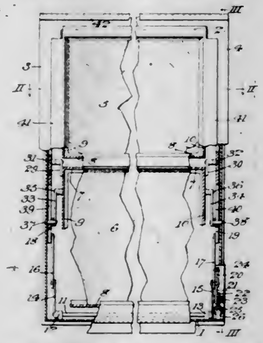
1. In a milling machine, a base, a column having a spindle; a vertically movable knee mounted on said column; a transversely movable saddle mounted on said knee and carrying a fixed nut; a longitudinally movable table mounted on said saddle; a feed screw shaft journaled in said table and engaging the nut; a motor mounted in one end of the saddle; a clutch member floating on the adjacent end of the shaft and constantly driven by said motor for rapid traverse movement of the table; a second clutch member floating on the opposite end of the screw shaft; change speed gearing mounted in the opposite end of the saddle and adapted to constantly rotate the second clutch member for selective feeds of the table; means for driving the change speed gearing from the motor; movable clutch elements splined on the shaft adjacent their respective floating clutch elements, and a common actuating member for alternately shifting the movable clutch elements into engagement with their related floating clutch elements.

2,383,911
THRESHER MACHINE
Walter R. Dray, Yorkville, Ill.
Application November 6, 1941, Serial No. 418,058
11 Claims. (Cl. 130—27)



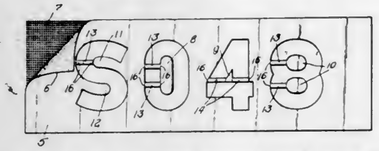
10. In a threshing machine, threshing mechanism including a single threshing cylinder, means for conducting crop material to said mechanism substantially tangentially over said threshing cylinder for threshing the same, said mechanism discharging the threshed crop material substantially horizontally and rearwardly, movable separator and conveying means positioned rearwardly of said cylinder, means for operating said separator and conveying means for removing the loose grain from the threshed crop material and for feeding the latter substantially horizontally and forwardly through said mechanism below said cylinder for rethreshing the same, means for reversing the direction of movement of said rethreshed crop material, a second movable separator and conveying means, and means for operating the last named means for separating the loose grain from the rethreshed crop material and for moving the rethreshed crop material toward the rear of the machine.

2,383,912
WINDOW STRUCTURE
Giuseppe Gargiulo, Miami, Fla., assignor to Super Vent Window Company, Miami, Fla., a corporation of Florida
Application March 19, 1941, Serial No. 384,031
14 Claims. (Cl. 189—67)



1. A device of the character described comprising, a window section, a frame therefor, means securing the section to the frame, and mechanism for opening and closing the section by sliding and swinging motion, said mechanism including a slide mounted in one side of the frame, a pair of toggle links pivoted to each other and connected to said slide and to said frame, a power arm connected to the pivot of said toggle links, and means for moving said power arm to make and break the toggle.

2,383,913
STENCIL AND METHOD OF STENCILING
Russell J. Leander, Chicago, Ill., assignor to The Leaton Corporation, Chicago, Ill., a corporation of Illinois
Application May 2, 1942, Serial No. 441,463
4 Claims. (Cl. 101—128.2)



1. A flexible adhesive stencil with an adhesive backing and a non-adhesive protecting cover sheet therefor, characters cut through the stencil and backing sheet and having ties connecting the exterior outlines of certain of the characters with interior isolated or semi-isolated portions within the stencil characters, the said ties being located generally on the same side of all of the characters, whereby the cover sheet may be stripped from the stencil in a direction such that the cover sheet is removed first from those sides of the characters having the tie portions.

2,383,914
PRODUCTION OF STARCH CONVERSION SIRUPS
Richard Nicholas Monte, Cincinnati, Ohio, assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 6, 1943, Serial No. 509,279
7 Claims. (Cl. 127—38)

1. In the production of starch conversion sirup by acid hydrolysis of starch in aqueous suspension at superatmospheric steam pressure, the improvement which consists in contacting the suspension undergoing conversion with an effective amount, not less than about 0.5% by weight based on starch dry substance, of activated carbon of vegetable origin, and arresting the conversion when the conversion liquor has attained a D. E. of about 56% to about 60%, said activated carbon being in finely divided form.

2,383,915
LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 3, 1942, Serial No. 449,589
5 Claims. (Cl. 252—41)

1. A lubricant consisting of from approximately 96% to 80% of a diethylene glycol monoalkyl ether, and from approximately 4% to 20% of a sodium soap.

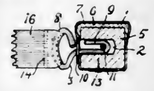
2,383,916
LUBRICANTS
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 9, 1942, Serial No. 450,287
8 Claims. (Cl. 252—42)

4. A lubricant consisting essentially of a liquid alkyl lactate having an extreme pressure agent dissolved therein in sufficient proportion to impart extreme pressure properties to the lubricant.

2,383,917
LUBRICANT
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Original application July 9, 1942, Serial No. 450,287. Divided and this application January 25, 1944, Serial No. 519,649
10 Claims. (Cl. 252—56)

1. A lubricant consisting essentially of butyl lactate with a small amount of an extreme pressure addition agent dissolved therein.

2,383,918
STRAP FIXTURE FOR ARMCHAIRS
Albert B. Muller, Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc., a corporation of Indiana
Application September 27, 1941, Serial No. 412,589
2 Claims. (Cl. 155—189)



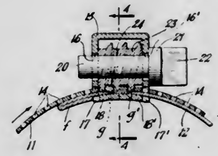
1. A fixture for attachment of a strap to a chair arm that has a socket therein, said fixture consisting of a wire member shaped at one end to provide an open strap-receiving eye and at the opposite end to form an elongated anchor hook, said hook being positioned in said socket, a washer on said member exterior of said arm closing the open end of said socket and engaging the exterior of the arm, and a nail in said arm extending transversely through said anchor hook and engaging the bight thereof, the arrangement being such that substantial movement of said wire member inwardly and outwardly of the socket is prevented.

2,383,919
RECOVERY OF ORGANIC PEROXIDES
Frederick F. Rust, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 23, 1944, Serial No. 537,009
11 Claims. (Cl. 202—42)

1. In a process for the separation of di(tertiary butyl) peroxide from a mixture containing it and tertiary butyl hydroperoxide, the steps of distilling said mixture in the presence of tertiary butyl alcohol and water to produce an overhead ternary azeotrope comprising the di(tertiary butyl) peroxide, water and tertiary butyl alcohol, condensing said overhead fraction, thereby forming two phases, the upper of which comprises di(tertiary butyl) peroxide and tertiary butyl alcohol, and separating substantially pure di(tertiary butyl) peroxide from said upper phase.

2,383,920
HOSE CLAMP
Nils Seaholm, Mount Vernon, N. Y., assignor to Carroll W. Prochaska, Tuckahoe, N. Y.
Application October 2, 1943, Serial No. 504,686
1 Claim. (Cl. 24—19)

A clamp having a band member consisting of a single ply of metal throughout the principal portion of its length that is folded on itself immediately adjacent one end thereof to form two plies, the lower one of said plies having an edge that extends transversely of the longitudinal axis of the band member and which serves as an abutment, a housing member formed of a single sheet of metal rigidly secured to said band member and whose lower edge abuts against said lower ply edge, said housing member having opposing end walls each provided with an aperture for the reception of a worm shaft and also each provided



with a transverse bottom slot for the reception of two plies of the band member when the same are in overlapped relation on each other and said housing member having opposing feet elements, integral therewith, whose free ends abut each other and which elements constitute the bottom of said housing member.

2,383,921
METHOD FOR PURIFYING RING SUBSTITUTED METHYL STYRENE
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application January 30, 1942, Serial No. 428,832
16 Claims. (Cl. 260—669)

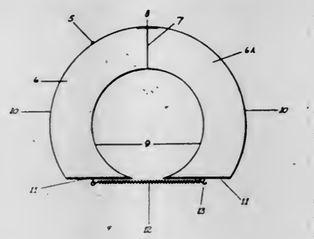
1. A process for depolymerizing ring substituted methyl styrene polymer comprising admixing said polymer with at least one added polymerizable solvent therefor containing at least one polymerizable double bond, and heating the resulting mixture of said ring substituted methyl styrene polymer and said added polymerizable solvent under temperature conditions at least as high as 350° C. for a period of time sufficient to effect depolymerization but insufficient to cause the formation of a substantial quantity of high boiling oil, thereby effecting the depolymerization of said ring substituted methyl styrene polymer under conditions of reduced concentration due to the presence of said added polymerizable solvent while recovering a product in which the concentration of polymerizable material is increased by the presence of said added polymerizable solvent above that due to the presence of monomeric material resulting from said depolymerization of said ring substituted methyl styrene polymer.

2,383,922
DEPOLYMERIZATION OF POLYMERS OF STYRENE AND RING SUBSTITUTED METHYL STYRENES
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 13, 1942, Serial No. 430,717
14 Claims. (Cl. 260—669)

1. A process for depolymerizing styrene-ring substituted methyl styrene-copolymer comprising admixing said copolymer with at least one added polymerizable solvent therefor containing at least one polymerizable double bond, and heating the resulting mixture of said styrene-ring substituted methyl styrene copolymer and said added polymerizable solvent under temperature conditions

at least as high as 350° C. for a period of time sufficient to effect depolymerization but insufficient to cause the formation of a substantial quantity of high boiling oil, thereby effecting the depolymerization of said styrene-ring substituted methyl styrene copolymer under conditions of reduced concentration due to the presence of said added polymerizable solvent while recovering a product in which the concentration of polymerizable material is increased by the presence of said added polymerizable solvent above that due to the presence of monomeric material resulting from said depolymerization of said styrene-ring substituted methyl styrene-copolymer.

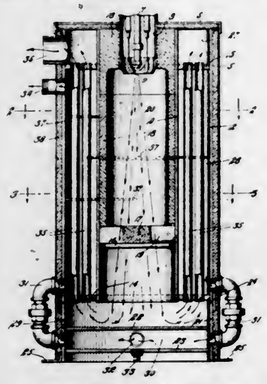
2,383,923
PORTABLE FORMER
Everson C. Stinson, Woolwich, and Earl D. Hall, Windham, Maine
Application August 9, 1943, Serial No. 497,942
4 Claims. (Cl. 25—118)



1. A former for use in lagging pipes, valves, elbows, and the like intermediate flanged joints to receive covers, said former comprising a pair of substantially identical sections, the inner edge of each of which is arcuate and the outer edge of which defines the thickness of the lagging, one end of each of said sections being adapted to butt against the corresponding end of the other section, the other end of each section tapering towards said inner edge, means interconnecting said sections to permit said sections to be clamped to said pipe in desired relation to a flanged joint to establish said former, the inside diameter of said former being substantially equal to the outside diameter of said pipe and the outside diameter of said former being such as to define with the surface of said pipe the thickness of the lagging to be applied between pairs of formers clamped thereto, said tapered ends establishing a flat face so that the lagging may be formed relative thereto to provide a flat cover receiving seat.

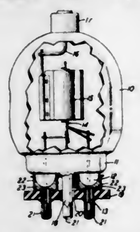
2,383,924
HEATER
Milton T. Way, Port Chester, N. Y., and Carl P. Wolff, Glen Rock, N. J.
Application November 4, 1944, Serial No. 561,858
10 Claims. (Cl. 122—182)

1. A hot water heater comprising spaced walls forming an inner combustion chamber and an outer boiler chamber, partitions closing the bottom of said boiler chamber and forming a flue chamber above said boiler chamber, a bottom section for said heater including a partition forming a furnace chamber open to said combustion chamber and a separate wet bottom chamber adapted to contain water to be heated, a plurality of fire tubes extending through said boiler chamber and opening into said furnace chamber and said flue chamber for conducting combustion gases to the latter, means for circulating water through said wet bottom chamber and said boiler



chamber, and means for circulating hot combustion gases through said combustion chamber.

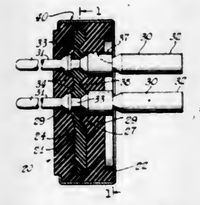
2,383,925
ELECTRON DISCHARGE DEVICE
John W. West, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1944, Serial No. 561,393
8 Claims. (Cl. 250—27.5)



1. A base for a discharge device having a plurality of boss seals projecting from one end and conductors extending through the boss seals, comprising an insulating disc member, a plurality of terminals secured to said member for coupling to said conductors, a cup portion on said disc member associated with one of said terminals and embracing the boss seal of the respective conductor attached to the terminal, and a filling of cushion material in said cup portion embedding said boss seal and conductor therein.

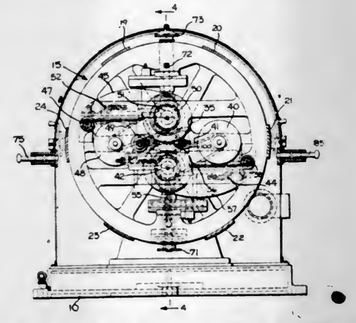
2,383,926
ELECTRICAL CONNECTOR
Harry B. White, Canton, Ohio, assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J., a corporation of New Jersey
Application November 14, 1942, Serial No. 465,546
11 Claims. (Cl. 173—361)

1. In an electrical connection, a connector plug and a terminal contact pin; said plug including a pair of socket plates, an elastic gland located between said socket plates and spacing them apart, said socket plates and said gland being fitted with aligned openings suitable to receive said pin, and clamping means for maintaining said socket plates squeezed together on said gland; and said pin including a ferrule end adapted to be permanently attached to an electrical conductor, a contact end adapted to project through said plug, and a lock portion adapted to receive and be tightly embraced by extruded edge portions of the opening in said gland when said



gland is squeezed between said socket plates, whereby said pin may be permanently attached to an electrical conductor and thereafter may be locked within said plug with said gland forming a tight seal around said pin and across said plug.

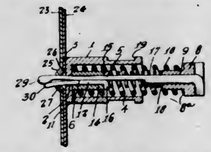
2,383,927
WIRE GRINDING MACHINE
Carl A. Carlson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 15, 1944, Serial No. 545,121
11 Claims. (Cl. 51—90)



1. In a wire grinding machine having a base, a rotatable frame, a trunnion at each end of said frame, a pair of spaced journal bearings on said base rotatably to support said trunnions and frame, a central aperture through said trunnions and frame for guiding wire to be ground therethrough, means to rotate said frame, a pair of opposed rotatable grinding wheels within said frame, an adjustable support on said frame for each of said wheels, an independent electric motor on each of said supports for rotating each of said grinding wheels, and independent means for independently adjusting each of said supports relative to said frame to feed the grinding wheels either toward or from the wire to be ground.

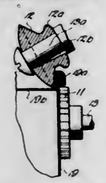
2,383,928
SKIN CLAMP
Donald H. Finkle, Los Angeles, Calif.
Application March 22, 1941, Serial No. 384,625
1 Claim. (Cl. 85—5)

In a clamp of the class described, a body member, complementary rods slidably mounted in said body member and having a combined diameter of substantially the diameter of the holes to be aligned, one rod having a projection at its end whereby said rods are spaced apart to form a wedge to firmly align said holes, tension means for securely holding said wedge and said body member against opposite sides of the material to be clamped, a bushing slidably mounted upon one of said rods and adapted to permanently engage the other rod, a spring engaging one end of said



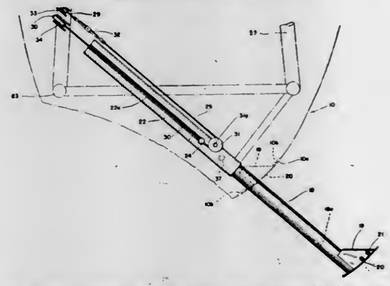
bushing for actuating the rod engaged thereby, a stop for said bushing whereby one rod may be extended beyond the other to permit the insertion of said rods in said holes.

2,383,929
CUTTER ASSEMBLY FOR CAN OPENERS
William J. Landry, Kansas City, Mo., assignor to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application October 9, 1944, Serial No. 557,741
6 Claims. (Cl. 30—15)



6. In a cutter assembly for can openers in which an upper shaft mounting a rotatable disk cutter and a lower shaft mounting a feed gear are separated by the can opener mechanism for insertion of the can rim prior to opening and then brought together in cutting relationship with the can rim therebetween, the improvement which resides in the cutter disk assembly comprising a shaft, and a cutter disk mounted on the shaft for rotation, the cutter disk being closely fitted to the shaft at the head of the cutter disk and loosely fitted to the shaft at the base of the cutter disk whereby the cutter disk is permitted a limited oscillatory movement upon its shaft during the cutting operation to follow closely the internal contour of the can rim.

2,383,930
RETRACTABLE STEP
Edwin A. Reynolds, Los Angeles, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application June 30, 1942, Serial No. 449,061
7 Claims. (Cl. 244—129)



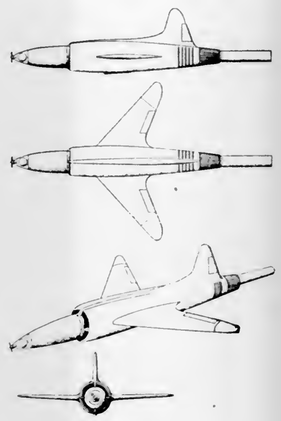
1. A retractable step for an aircraft having an opening in the wall of its fuselage, an elongated

element having a step portion formed on its outer terminal, a guide member fixedly attached within said aircraft fuselage adapted to permit rectilinear movement of said step-carrying element through said fuselage opening, said guide member having opposed longitudinally extending guide faces, an element fixedly attached to said step-carrying element adapted to be moved longitudinally between said opposed guide faces and to prevent relative axial rotation between said step-carrying element and said member, cable means opposedly connected to said rotation preventing element, one of said cable means extending around a sheave pivotally mounted upon said guide member and manual means for movement of said cable means for the actuation of said step-carrying element between its retracted and extended positions.

DESIGNS

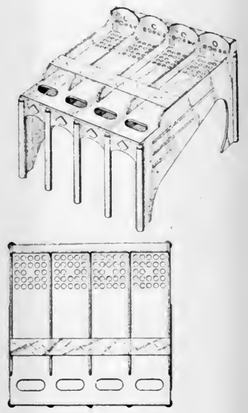
AUGUST 28, 1945

142,293
DESIGN FOR AN AERONAUTICAL BOMB
Richard H. Arbib, Jamaica, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application January 6, 1945, Serial No. 117,316
Term of patent 14 years
(Cl. D71—1)



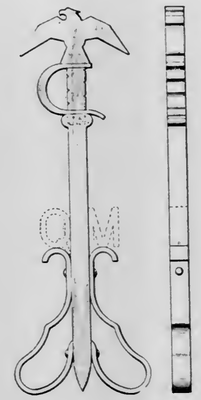
The ornamental design for an aeronautical bomb, substantially as shown.

142,294
DESIGN FOR A GAME APPARATUS
Peter K. Brenner, Cliffside Park, N. J.
Application March 17, 1945, Serial No. 118,537
Term of patent 14 years
(Cl. D34—5)



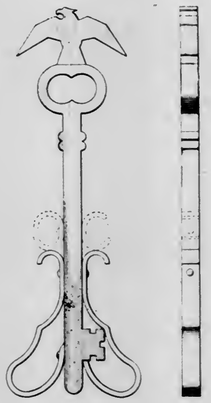
The ornamental design for a game apparatus, as shown.

142,295
DESIGN FOR A VERTICAL SHAFT FOR ANDIRONS
Ernest O. Crocker, Washington, D. C.
Application March 24, 1945, Serial No. 118,664
Term of patent 3½ years
(Cl. D81—6)



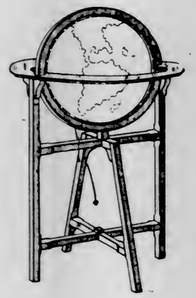
The ornamental design for a vertical shaft for andirons, as shown and described.

142,296
DESIGN FOR A VERTICAL SHAFT FOR ANDIRONS
Ernest O. Crocker, Washington, D. C.
Application March 24, 1945, Serial No. 118,665
Term of patent 3½ years
(Cl. D81—6)



The ornamental design for a vertical shaft for andirons, as shown and described.

142,297
DESIGN FOR A COMBINED GLOBE AND SUPPORTING STANDARD
Raymond R. Dupler, Toledo, Ohio
Application November 13, 1944, Serial No. 116,300
Term of patent 14 years
(Cl. D25—1)



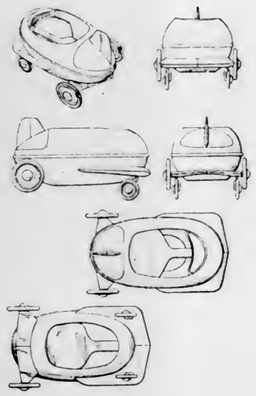
The ornamental design for a combined globe and supporting standard, as shown.

142,298
DESIGN FOR A COMBINED GLOBE AND SUPPORTING STANDARD
Raymond R. Dupler, Toledo, Ohio
Application November 13, 1944, Serial No. 116,301
Term of patent 14 years
(Cl. D25—1)



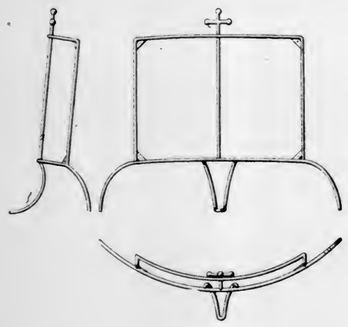
The ornamental design for a combined globe and supporting standard, as shown.

142,299
DESIGN FOR A BABY WALKER
Frank P. Fletcher, Pasadena, Calif., assignor to Fletcher Aviation Corp., Pasadena, Calif., a corporation of California
Application April 9, 1945, Serial No. 118,909
Term of patent 14 years
(Cl. D14—14)



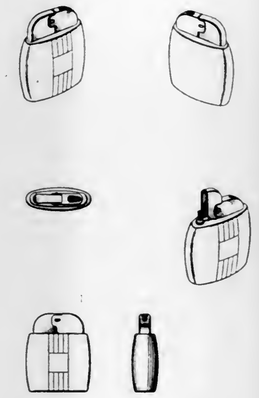
The ornamental design for a baby walker, as shown.

142,300
DESIGN FOR AN ALTAR CARD SUPPORTING FRAME
George A. Gallik, Duluth, Minn.
Application March 26, 1945, Serial No. 118,689
Term of patent 14 years
(Cl. D33—10)



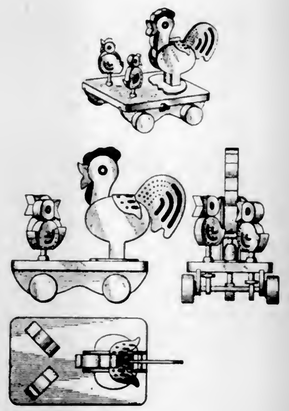
The ornamental design for an altar card supporting frame, as shown.

142,301
DESIGN FOR A LIGHTER
Albert A. Hellman, Los Angeles, Calif., assignor to Meyer Lublin, Los Angeles, Calif.
Application April 7, 1945, Serial No. 118,890
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a lighter, substantially as shown.

142,302
DESIGN FOR A WHEELED TOY
Louise Ross Laskey, Kew Gardens, N. Y., assignor to Manning Industries, Inc., New York, N. Y., a corporation of New York
Application January 17, 1945, Serial No. 117,470
Term of patent 14 years
(Cl. D34—15)



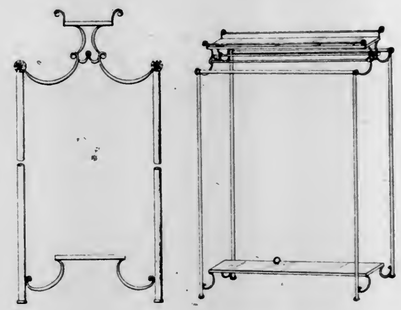
The ornamental design for a wheeled toy, substantially as shown.

142,303
DESIGN FOR A WHEELED TOY
Louise Ross Laskey, Kew Gardens, N. Y., assignor to Manning Industries, Inc., New York, N. Y., a corporation of New York
Application January 17, 1945, Serial No. 117,471
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a wheeled toy, substantially as shown.

142,304
DESIGN FOR A TOWEL RACK
Adolph Marchand, Jackson Heights, N. Y.
Application January 27, 1945, Serial No. 117,636
Term of patent 7 years
(Cl. D33—16)



The ornamental design for a towel rack, as shown.

142,305
DESIGN FOR A FISHING LURE
Nelia G. Poplin, Ponca City, Okla.
Application May 23, 1945, Serial No. 119,678
Term of patent 14 years
(Cl. D31—4)



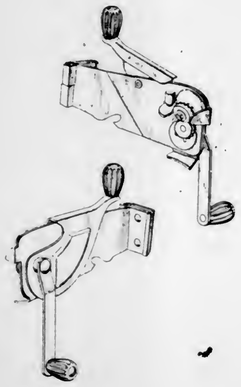
The ornamental design for a fishing lure, as shown and described.

142,306
DESIGN FOR A STORE SERVICE TRUCK
Adrian J. Smith and William I. Evans, Los Angeles, Calif.
Application January 17, 1945, Serial No. 117,484
Term of patent 14 years
(Cl. D14—3)



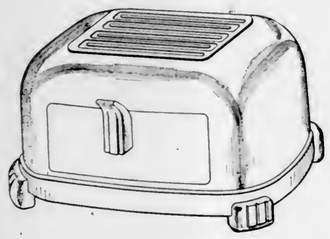
The ornamental design for a store service truck, as shown.

142,307
DESIGN FOR A CAN OPENER
Henry J. Talge and Cecil Martyr, Kansas City, Mo., assignors to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application May 28, 1945, Serial No. 119,781
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a can opener, substantially as shown.

142,308
DESIGN FOR A COMBINATION TOASTER AND COOKER
Otto E. Stelzer, German Township, St. Joseph County, Ind.
Application January 5, 1945, Serial No. 117,287
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a combination toaster and cooker, as shown and described.

142,309
DESIGN FOR A NECKTIE OR SIMILAR ARTICLE
Rodney Ettman, Woodmere, N. Y.
Application July 12, 1945, Serial No. 120,658
Term of patent 3½ years
(Cl. D3—16)



The ornamental design for a necktie or similar article, as shown and described.

142,310
DESIGN FOR A NECKTIE OR SIMILAR ARTICLE
Rodney Ettman, Woodmere, N. Y.
Application July 12, 1945, Serial No. 120,659
Term of patent 3½ years
(Cl. D3—16)



The ornamental design for a necktie or similar article, as shown and described.

142,311
DESIGN FOR A NECKTIE OR SIMILAR ARTICLE
Rodney Ettman, Woodmere, N. Y.
Application July 12, 1945, Serial No. 120,660
Term of patent 3½ years
(Cl. D3—16)



The ornamental design for a necktie or similar article, as shown and described.

142,312
DESIGN FOR A NECKTIE OR SIMILAR ARTICLE
Rodney Ettman, Woodmere, N. Y.
Application July 12, 1945, Serial No. 120,661
Term of patent 3½ years
(Cl. D3—16)



The ornamental design for a necktie or similar article, as shown and described.

142,313
DESIGN FOR A NECKTIE OR SIMILAR ARTICLE
Rodney Ettman, Woodmere, N. Y.
Application July 12, 1945, Serial No. 120,662
Term of patent 3½ years
(Cl. D3—16)



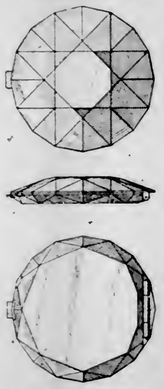
The ornamental design for a necktie or similar article, as shown and described.

142,314
DESIGN FOR A BRACELET
George J. Lederer, Providence, R. I.
Application April 9, 1945, Serial No. 118,928
Term of patent 3½ years
(Cl. D45—4)



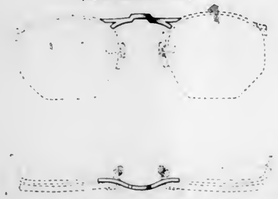
The ornamental design for a bracelet, as shown.

142,315
DESIGN FOR A COMPACT
James Murray Beveridge, Bronxville, N. Y.
Application June 1, 1945, Serial No. 119,835
Term of patent 7 years
(Cl. D86—10)



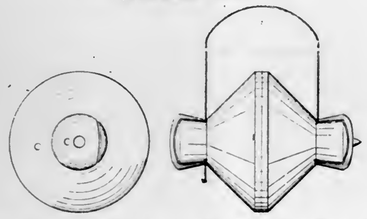
The ornamental design for a compact, as shown.

142,316
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
William C. Eaton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 4, 1944, Serial No. 116,683
Term of patent 14 years
(Cl. D57—1)



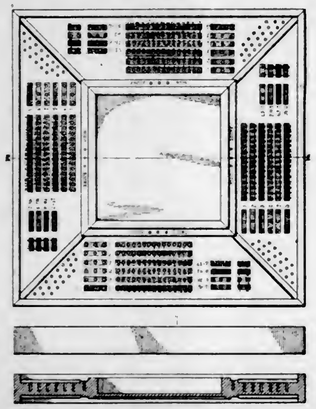
The ornamental design for a bridge for an ophthalmic mounting, substantially as shown and described.

142,317
DESIGN FOR A COMBINED YO-YO, TOP, AND WHISTLE
Henry E. Elfmont, Patchogue, N. Y.
Application January 16, 1945, Serial No. 117,455
Term of patent 3½ years
(Cl. D34—15)



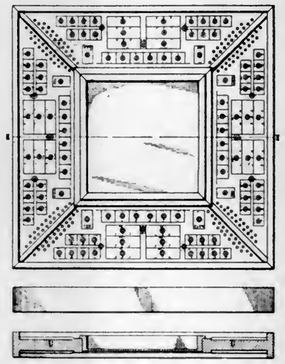
The ornamental design for a combined yo-yo, top, and whistle, substantially as shown.

142,318
DESIGN FOR A GAME BOARD
Claude E. Halbert, Kansas City, Mo.
Application April 21, 1945, Serial No. 119,120
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown.

142,319
DESIGN FOR A GAME BOARD
Claude E. Halbert, Kansas City, Mo.
Application April 23, 1945, Serial No. 119,164
Term of patent 3½ years
(Cl. D34—5)



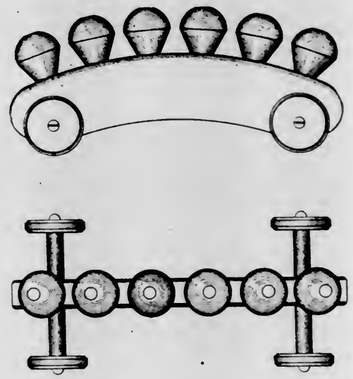
The ornamental design for a game board, as shown.

142,320
DESIGN FOR AN INCINERATOR
Arthur A. Helwig, Chicago, Ill.
Application December 18, 1944, Serial No. 116,975
Term of patent 3½ years
(Cl. D81—1)



The ornamental design for an incinerator, as shown and described.

142,321
DESIGN FOR A TOY
Clifford W. Judd, Rochester, N. Y.
Application April 25, 1945, Serial No. 119,183
Term of patent 3½ years
(Cl. D34—15)



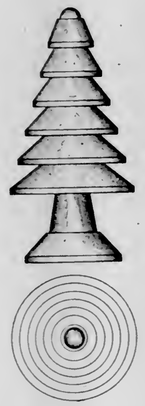
The ornamental design for a toy, as shown.

142,322
DESIGN FOR A TOY
Clifford W. Judd, Rochester, N. Y.
Application April 25, 1945, Serial No. 119,184
Term of patent 3½ years
(Cl. D34—15)



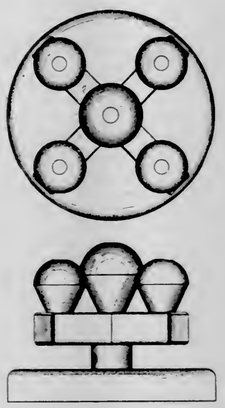
The ornamental design for a toy, as shown.

142,323
DESIGN FOR A TOY
Clifford W. Judd, Rochester, N. Y.
Application April 25, 1945, Serial No. 119,185
Term of patent 3½ years
(Cl. D34—15)



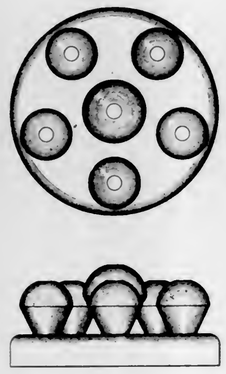
The ornamental design for a toy, as shown.

142,324
DESIGN FOR A TOY
Clifford W. Judd, Rochester, N. Y.
Application April 25, 1945, Serial No. 119,186
Term of patent 3½ years
(Cl. D34—15)



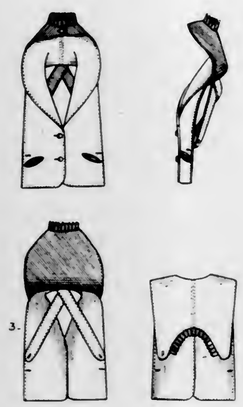
The ornamental design for a toy, as shown.

142,325
DESIGN FOR A TOY
Clifford W. Judd, Rochester, N. Y.
Application April 25, 1945, Serial No. 119,187
Term of patent 3½ years
(Cl. D34—15)



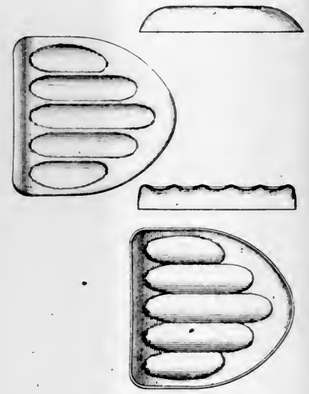
The ornamental design for a toy, as shown.

142,326
DESIGN FOR A COMBINED VESTEE AND HOOD
Harry Kaufman, New York, N. Y.
Application June 4, 1945, Serial No. 119,903
Term of patent 7 years
(Cl. D3—25)



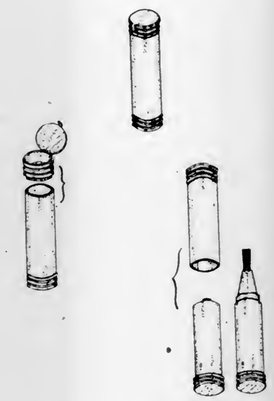
The ornamental design for a combined vestee and hood, substantially as shown.

142,327
DESIGN FOR A FINGER REST
Paul McPharlin, New York, N. Y., assignor to Associated Distributors, Inc., Chicago, Ill., a corporation of Illinois
Application May 7, 1945, Serial No. 119,440
Term of patent 14 years
(Cl. D86—10)



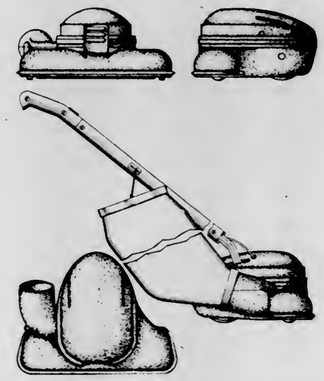
The ornamental design for a finger rest, substantially as shown.

142,328
DESIGN FOR A COMBINATION LIP ROUGE HOLDER AND APPLICATOR
Rosalia Zumpano Sarff, New York, N. Y.
Application March 16, 1945, Serial No. 118,520
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a combination lip rouge holder and applicator, substantially as shown.

142,329
DESIGN FOR A VACUUM CLEANER OR SIMILAR ARTICLE
Leland H. Snyder, Chicago, Ill., assignor to Quality Hardware and Machine Corporation, Chicago, Ill., a corporation of Illinois
Application May 17, 1945, Serial No. 119,591
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a vacuum cleaner or similar article, as shown.

142,330
DESIGN FOR A LICENSE HOLDER KEY CHAIN WITH FRONT ACTION PENCIL TIP
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application November 27, 1944, Serial No. 116,564
Term of patent 14 years
(Cl. D17—14)



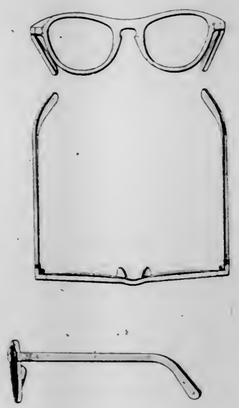
The ornamental design for a license holder key chain with front action pencil tip, as shown.

142,331
DESIGN FOR A UNIFORM
Arthur M. Berger, New York, N. Y.
Application June 14, 1945, Serial No. 120,100
Term of patent 3½ years
(Cl. D3—26)



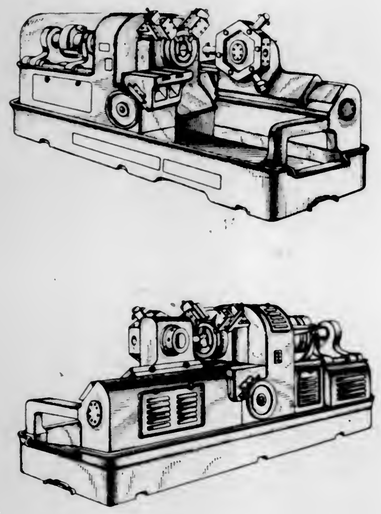
The ornamental design for a uniform, substantially as shown.

142,332
DESIGN FOR A FRAME FOR SPECTACLES
Anthony Di Chiara, Newark, N. J.
Application March 7, 1944, Serial No. 112,810
Term of patent 14 years
(Cl. D57—1)



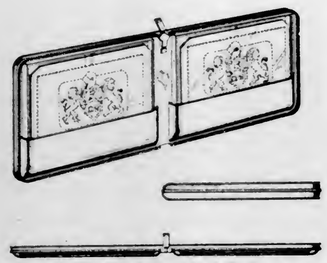
The ornamental design for a frame for spectacles, as shown.

142,333
DESIGN FOR A SINGLE SPINDLE AUTOMATIC METALWORKING MACHINE
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1944, Serial No. 115,660
Term of patent 14 years
(Cl. D54—6)



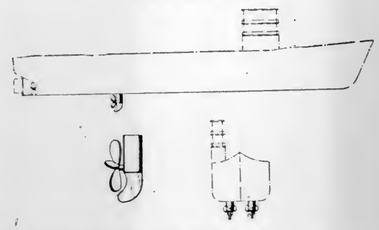
The ornamental design for a single spindle automatic metalworking machine, substantially as shown.

142,334
DESIGN FOR A CIGARETTE CASE WITH TRANSPARENT DISPLAY WINDOWS
Murray G. Gordon, New York, N. Y.
Application June 27, 1944, Serial No. 114,209
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a cigarette case with transparent display windows, as shown.

142,335
DESIGN FOR A SHIP OR SIMILAR ARTICLE
Christoffer Hannevig, New York, N. Y.
Application July 3, 1944, Serial No. 114,291
Term of patent 7 years
(Cl. D71—1)



The ornamental design for a ship or similar article, as shown and described.

142,336
DESIGN FOR A DRESS
Eta Hentz, New York, N. Y.
Application July 17, 1945, Serial No. 120,744
Term of patent 3½ years
(Cl. D3—26)



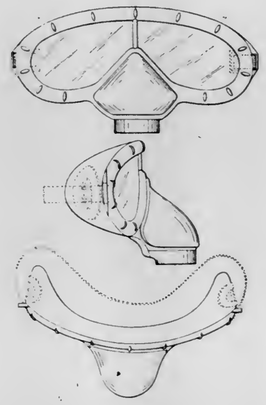
The ornamental design for a dress, substantially as shown.

142,337
DESIGN FOR A DRESS
Eta Hentz, New York, N. Y.
Application July 17, 1945, Serial No. 120,747
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown and described.

142,338
DESIGN FOR GOGGLES
Frank W. Maurer, Newton Highlands, Mass.
Application December 29, 1943, Serial No. 112,113
Term of patent 14 years
(Cl. D57—1)



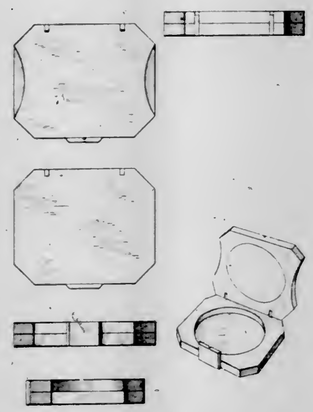
The ornamental design for goggles, substantially as shown and described.

142,339
DESIGN FOR A CHILD'S SLIPPER OR SIMILAR ARTICLE
Henri E. Rosen, Brookline, Mass.
Application July 9, 1945, Serial No. 120,578
Term of patent 14 years
(Cl. D7—7)



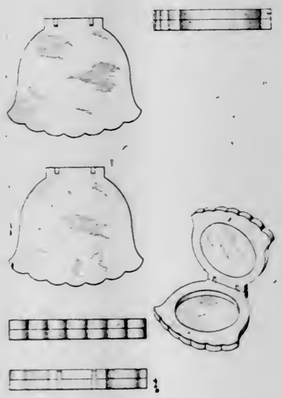
The ornamental design for a child's slipper or similar article, substantially as shown.

142,340
DESIGN FOR A COMPACT
Arthur R. Botham, New York, N. Y.
Application April 28, 1945, Serial No. 119,287
Term of patent 14 years
(Cl. D86—10)



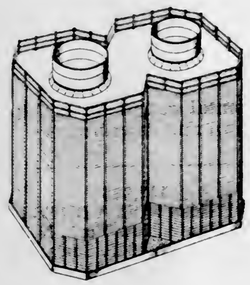
The ornamental design for a compact, substantially as shown.

142,341
DESIGN FOR A COMPACT
Arthur R. Botham, New York, N. Y.
Application April 28, 1945, Serial No. 119,289
Term of patent 14 years
(Cl. D86—10)



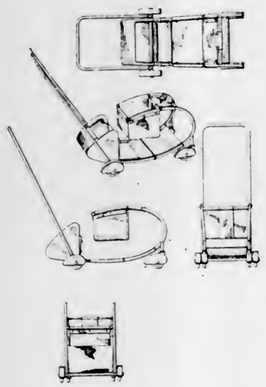
The ornamental design for a compact, substantially as shown.

142,342
DESIGN FOR A WATER-COOLING TOWER
James G. De Flon, Los Angeles, and George W. Meyer, North Hollywood, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application May 26, 1945, Serial No. 119,748
Term of patent 14 years
(Cl. D13—1)



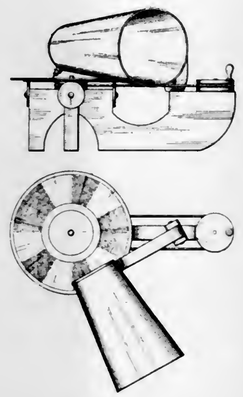
The ornamental design for a water cooling tower, as shown and described.

142,343
DESIGN FOR A COMBINATION BABY WALKER AND STROLLER
Frank P. Fletcher, Pasadena, Calif., assignor to Fletcher Aviation Corp., Pasadena, Calif., a corporation of California
Application May 12, 1945, Serial No. 119,524
Term of patent 14 years
(Cl. D14—14)



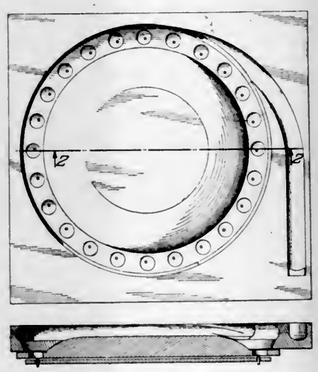
The ornamental design for a combination baby walker and stroller, as shown.

142,344
DESIGN FOR A TOY PHONOGRAPH
Charles Henry Hyman, New York, N. Y., assignor to Jack H. Bergman, New York, N. Y.
Application April 27, 1945, Serial No. 119,270
Term of patent 3½ years
(Cl. D34—15)



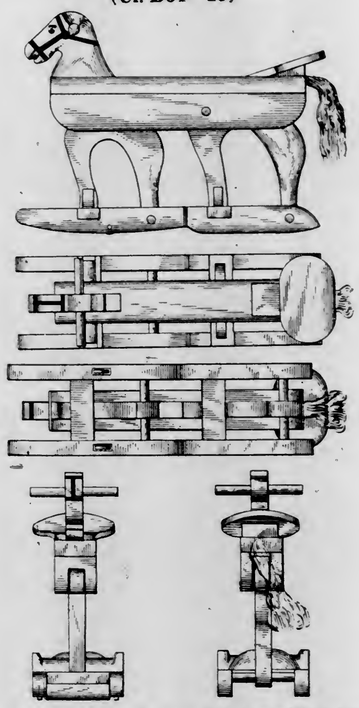
The ornamental design for a toy phonograph, substantially as shown.

142,345
DESIGN FOR A GAME BOARD
Lane Jasper, South Pasadena, Calif.
Application January 24, 1945, Serial No. 117,561
Term of patent 7 years
(Cl. D34—5)



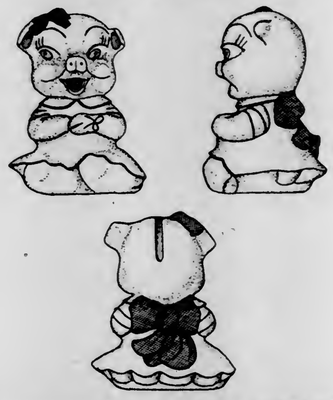
The ornamental design for a game board, substantially as shown.

142,346
DESIGN FOR A ROCKING HORSE
Albert E. Jury, Clearfield, Pa.
Application March 15, 1945, Serial No. 118,498
Term of patent 14 years
(Cl. D34—15)



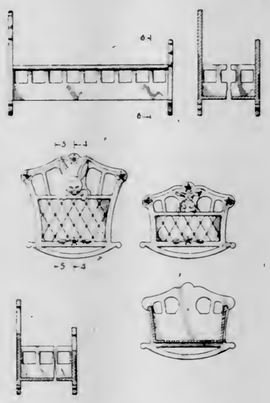
The ornamental design for a rocking horse, as shown.

142,347
DESIGN FOR A TOY BANK OR SIMILAR ARTICLE
Joseph Burgess Lenhart, Marietta, Ohio
Application February 14, 1945, Serial No. 117,935
Term of patent 14 years
(Cl. D34—11)



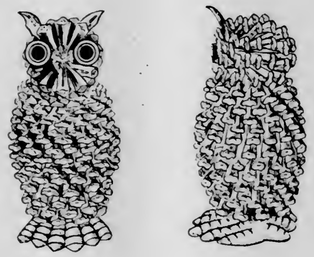
The ornamental design for a toy bank or similar article, substantially as shown.

142,348
DESIGN FOR A TOY CRIB
Richard H. Penndorf, Scarsdale, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application May 25, 1945, Serial No. 119,732
Term of patent 7 years
(Cl. D34—15)



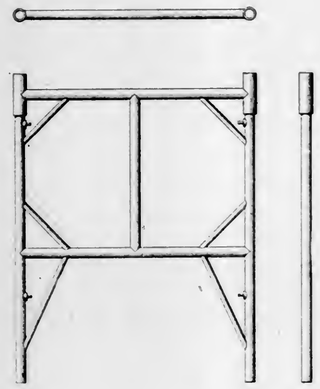
The ornamental design for a toy crib, substantially as shown.

142,349
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
Frank Powell, Miami, Fla.
Application May 22, 1945, Serial No. 119,667
Term of patent 7 years
(Cl. D29—23)



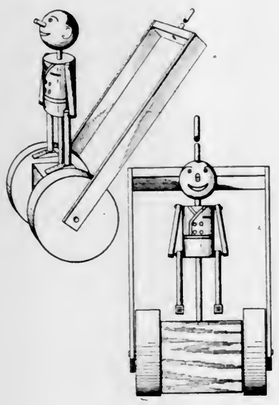
The ornamental design for a figurine or similar article, substantially as shown.

142,350
DESIGN FOR A SCAFFOLD UNIT
Leo A. Reiner, Detroit, Mich.
Application May 23, 1945, Serial No. 119,693
Term of patent 14 years
(Cl. D54—1)



The ornamental design for a scaffold unit, as shown.

142,351
DESIGN FOR A WHEELED TOY
Ralph E. Stowell, Wellington, Tex.
Application May 24, 1945, Serial No. 119,697
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a wheeled toy, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. Serial No. 483,128; Aug. 28. Class 37.

Alexander, Jane, Valley Stream, N. Y. Perfume, toilet water, eau de cologne, etc. Serial No. 481,876; Aug. 28. Class 6.

Alexander, Jane, Valley Stream, N. Y. Textile fabrics in the piece. Serial No. 482,234; Aug. 28. Class 42.

Allen, Edgar, & Company Limited, Sheffield, England. Tool steel. Serial No. 482,409; Aug. 28. Class 14.

Allied Kid Company, Boston, Mass. Unfinished and partly finished leather. Serial No. 483,599; Aug. 28. Class 1.

American Abrasive Metals Company, New York, N. Y. Plastic wear resisting surfacing compound. Serial No. 483,600; Aug. 28. Class 12.

American Tank and Fabricating Company, The, Cleveland, Ohio. Steel plates, sheets, bars, etc. Serial No. 477,346; Aug. 28. Class 14.

Anglo-American Publishing Company Limited, Toronto, Ontario, Canada. Comic strip. Serial No. 473,173; Aug. 28. Class 38.

Atkins & Durbrow, Inc., New York, N. Y. Combination fertilizer and soil conditioner. Serial No. 483,164; Aug. 28. Class 10.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Dyed fabrics. Serial No. 485,257; Aug. 28. Class 42.

Bardinet, Ltd., New York, N. Y. Apricot flavored brandy. Serial No. 485,258; Aug. 28. Class 49.

Bardinet, Ltd., New York, N. Y. Blackberry flavored brandy. Serial No. 485,259; Aug. 28. Class 49.

Bardinet, Ltd., New York, N. Y. Cherry flavored brandy. Serial No. 485,260; Aug. 28. Class 49.

Bardinet, Ltd., New York, N. Y. Peach flavored brandy. Serial No. 485,261; Aug. 28. Class 49.

Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Hemostatic preparations. Serial No. 483,758; Aug. 28. Class 6.

Botfield Refractories Company, Philadelphia, Pa. Refractory cement. Serial No. 469,719; Aug. 28. Class 12.

Botfield Refractories Company, Philadelphia, Pa. Refractory cement and firebrick. Serial No. 469,720; Aug. 28. Class 12.

Brighton Products Company: *See*—
Kneitel, Arnold.

Burton & Dreyer, Waukegan, Ill. General line of cakes and cookies. Serial No. 481,610; Aug. 28. Class 46.

Byford, D., and Co. Limited, Leicester, England. Stockings and socks. Serial No. 474,948; Aug. 28. Class 39.

California Fruitarge, Inc., White Plains, N. Y. Fruit cake. Serial No. 481,058; Aug. 28. Class 46.

Callaway Mills, La Grange, Ga. Piece goods of cotton and of cotton and rayon. Serial No. 474,578; Aug. 28. Class 42.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. Serial No. 484,118; Aug. 28. Class 46.

Canadian Mixermobile Co., Ltd., Vancouver, British Columbia, Canada. Lift trucks. Serial No. 472,316; Aug. 28. Class 19.

Candy Bros. Mfg. Co., St. Louis, Mo. Medicinal product. Serial Nos. 461,237–8; Aug. 28. Class 6.

Carefree Wear Company, St. Louis, Mo. Women's and girls' playsuits, shorts, skirts, etc. Serial No. 482,729; Aug. 28. Class 39.

Certain-teed Products Corporation, Chicago, Ill. Dental plaster of Paris. Serial No. 472,444; Aug. 28. Class 44.

Cheney Brothers, Manchester, Conn. Neckties. Serial No. 470,704; Aug. 28. Class 39.

Chesler, Harry "A", doing business as Harry "A" Chesler Features Syndicate, New York, N. Y. Magazine. Serial No. 478,539; Aug. 28. Class 38.

Chesler, Harry "A", Features Syndicate: *See*—
Chesler, Harry "A".

Columbia Mills, Inc., The, New York, N. Y. Window shade cloth in the piece. Serial No. 484,557; Aug. 28. Class 42.

Commercial Solvents Corporation, New York, N. Y. Penicillin compounds. Serial No. 473,308; Aug. 28. Class 6.

Compañia Cubana de Alcohol, S. A., Santa Cruz Del Norte and Habana, Cuba. Rum, gin, whiskey, etc. Serial No. 468,438; Aug. 28. Class 49.

Compañia Cubana de Alcohol, S. A., Santa Cruz Del Norte and Habana, Cuba. Rum, gin, whiskey, etc. Serial No. 470,485; Aug. 28. Class 49.

Compañia Cubana de Alcohol, S. A., Santa Cruz Del Norte and Habana, Cuba. Rum, gin, whiskey, etc. Serial No. 470,489; Aug. 28. Class 49.

Compañia Cubana de Alcohol, S. A., Santa Cruz Del Norte and Habana, Cuba. Rum, gin, whiskey, brandy, etc. Serial Nos. 471,513–14; Aug. 28. Class 49.

Concordia-Gallia Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 482,672; Aug. 28. Class 42.

Conde Nast Publications, Inc., The, New York, N. Y. Monthly general publication. Serial No. 481,361; Aug. 28. Class 38.

Consolidated Millinery Company, Chicago, Ill. Women's hats. Serial No. 474,994; Aug. 28. Class 39.

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 484,828; Aug. 28. Class 42.

Cummins Perforator, Division of A. S. C. Corporation, Chicago, Ill. Cancelling machines, perforating machines, validating machines, etc. Serial No. 471,249; Aug. 28. Class 23.

Cutico, Inc., Orange, N. J. Fountain applicators of the stick type. Serial No. 474,998; Aug. 28. Class 44.

Dad & Lad Co., The, New Lenox, Ill. Prepared paints and glazing compounds. Serial No. 481,944; Aug. 28. Class 16.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Steam boilers, metal boiler jackets, casings for heat exchangers, etc. Serial No. 464,021; Aug. 28. Class 34.

Darby, Harry, Manufacturer: *See*—
Darby, Harry.

Defender Photo Supply Co., Inc., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive dry granulated photographic emulsion. Serial No. 482,924; Aug. 28. Class 6.

Derris, Inc., New York, N. Y. Insecticides and fungicides. Serial No. 481,666; Aug. 28. Class 6.

Driver, Wilbur B., Company, Newark, N. J. Wire, rod, and strip formed of non-ferrous metallic alloys. Serial No. 484,047; Aug. 28. Class 21.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Permanent wave solution and a primer. Serial No. 480,442; Aug. 28. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Animal feed compound for ruminants. Serial No. 471,025; Aug. 28. Class 46.

Du Pont, E. I., de Nemours & Company: *See*—
Defender Photo Supply Co., Inc., assignor.

Enterprise Engine & Foundry Co., San Francisco, Calif. Marine and stationary Diesel engines and process machinery. Serial No. 482,275; Aug. 28. Class 23.

Essick Manufacturing Company, Los Angeles, Calif. Gas and oil operated air conditioning and heating units. Serial No. 471,898; Aug. 28. Class 34.

Eureka Products Co., Chicago, Ill. Polish. Serial No. 481,946; Aug. 28. Class 16.

Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 482,794; Aug. 28. Class 37.

Exactone Tool and Die Company, Los Angeles, Calif. Sanding drums for sanding machines. Serial No. 479,510; Aug. 28. Class 23.

Fluorescent Corporation of America, Cleveland, Ohio. Domestic, commercial, and industrial electrical lighting fixtures and fluorescent tubes. Serial No. 475,049; Aug. 28. Class 21.

Flynn, Lawrence J., doing business as Subscription Playing Cards, Boston, Mass. Playing cards. Serial No. 481,015; Aug. 28. Class 22.

Foster, A. P., Co.: *See*—
Foster, Arnot P.

Foster, Arnot P., doing business as A. P. Foster Co., Lockland, Ohio. Sealed electrical transformer cases. Serial No. 482,200; Aug. 28. Class 21.

Freydberg Bros.-Strauss, Inc., Stamford, Conn., and New York, N. Y. Thread coated with cellulosic material. Serial No. 485,274; Aug. 28. Class 43.

Fries & Fries, Inc., Cincinnati, Ohio. Syrups, extracts, and flavoring compounds. Serial No. 484,397; Aug. 28. Class 45.

Geiger, Louis, Inc., New York, N. Y. Women's garments. Serial No. 481,741; Aug. 28. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Vulcanizable tire retread stock. Serial No. 483,056; Aug. 28. Class 35.

Georgia-Carolina Oil Company, Macon, Ga. Insecticide. Serial No. 483,224; Aug. 28. Class 6.

Gianelloni, S. J., Jr., Baton Rouge, La. Table syrups and molasses. Serial No. 481,533; Aug. 28. Class 46.

Gold, Daniel, Company, New York, N. Y. Juvenile and boys' outer shirts and sunsuits. Serial No. 483,819; Aug. 28. Class 39.

Graton & Knight Company, Worcester, Mass. Belt dressing. Serial No. 482,838; Aug. 28. Class 4.

Hagemeyer, Harold P., doing business as Odessa Products, Chicago, Ill. Douche powders and solutions. Serial No. 483,057; Aug. 28. Class 6.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. Serial No. 470,447; Aug. 28. Class 6.

Hebert, John R., doing business as R. B. Hebert & Son, Lynn, Mass. Liniment. Serial No. 479,797; Aug. 28. Class 6.

Hebert, R. B., & Son: *See*—
Hebert, John R.
Herbert Manufacturing Company, New York, N. Y. Piece goods of cotton and rayon and mixtures of cotton and rayon. Serial Nos. 483,427–8; Aug. 28. Class 42.
Hettrick Manufacturing Company, The, Toledo, Ohio. Awnings and tents. Serial No. 475,110; Aug. 28. Class 50.
Hi-Goal Products Corporation, New York, N. Y. Artificial leather having leather fiber content. Serial No. 481,024; Aug. 28. Class 50.
Holzer, Leland, New York, N. Y. Automobiles. Serial No. 463,673; Aug. 28. Class 19.
Industrial Tape Corporation, New Brunswick, N. J. Colored, translucent and non-transparent adhesive tapes. Serial No. 474,450; Aug. 28. Class 5.
Interchemical Corporation, New York, N. Y. Silver cleaner. Serial No. 480,584; Aug. 28. Class 4.
Ideal Mattress Corporation, Boston, Mass. Crib mattresses. Serial No. 484,783; Aug. 28. Class 32.
Ihle, Orden E., North Hollywood, Calif. Shoes. Serial No. 477,417; Aug. 28. Class 39.
Imperial Baker Co., Brooklyn, N. Y. Pottery figurines, hand painted and ornamental chinaware figurines, etc. Serial No. 479,074; Aug. 28. Class 50.
Industrial Union of Marine and Shipbuilding Workers of America, doing business as The Industrial Union of Marine and Shipbuilding Workers of America, C. I. O., Camden, N. J. Periodical to be published annually. Serial No. 481,631; Aug. 28. Class 38.
Industrial Union of Marine and Shipbuilding Workers of America, C. I. O.: *See*—
Industrial Union of Marine and Shipbuilding Workers of America.
Interatlantic Trading Corp., New York, N. Y. Saw blades and tweezers. Serial No. 483,823; Aug. 28. Class 23.
International Milling Company, Wilmington, Del. Wheat flour. Serial No. 471,703; Aug. 28. Class 46.
Kadin Bros. Inc., New York, N. Y. Pocketbooks, portfolios, and purses. Serial No. 477,196; Aug. 28. Class 3.
Kesko Products Co., Bristol, Ind. Float controlled mercury switches. Serial No. 483,773; Aug. 28. Class 21.
Keys Fibre Company, Waterville, Maine. Printed publication. Serial No. 483,431; Aug. 28. Class 38.
Kneitel, Arnold, doing business as Brighton Products Company, New York, N. Y. Apple syrup. Serial No. 484,262; Aug. 28. Class 46.
Korona Company: *See*—
Respondek, John E.
Krambo Foods Stores, Incorporated, Oshkosh, Wis. Pretzels, dried currants, raisins, etc. Serial No. 477,420; Aug. 28. Class 46.
L,& R Organic Products Co., Inc., New York, N. Y. Dyes and dyestuffs. Serial Nos. 482,281–8; Aug. 28. Class 6.
Lowe, E. S., Company, Inc., New York, N. Y. Board game. Serial No. 482,936; Aug. 28. Class 22.
Mandelbaum Coats, New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 483,577; Aug. 28. Class 39.
Matulich, T. J., doing business as T. J. Matulich Co., Watsonville, Calif. Fresh vegetables. Serial No. 484,140; Aug. 28. Class 46.
Matulich, T. J., Co.: *See*—
Matulich, T. J.
Maxson, W. L., Corporation, The, New York, N. Y. Electrical ovens. Serial No. 482,688; Aug. 28. Class 21.
McBrest & McBrest, Inc., New York, N. Y. Magazine. Serial No. 483,544; Aug. 28. Class 38.
McIntosh, Leone, New York, N. Y. Perfumes. Serial No. 476,810; Aug. 28. Class 6.
Mem Company, assignor to Mem Company, New York, N. Y. Toilet water, perfumes, eau de cologne, etc. Serial No. 479,394; Aug. 28. Class 6.
Miahati, Inc., New York, N. Y. Perfumes. Serial No. 474,959; Aug. 28. Class 6.
Middletown Milk & Cream Co. Inc., Yonkers, N. Y. Milk powder. Serial No. 473,543; Aug. 28. Class 46.
Millar, John A., East Orange, N. J. Small astronomical instrument for aid in navigation. Serial No. 459,845; Aug. 28. Class 26.
Monsanto Chemical Company, St. Louis, Mo. Chemicals used in combination with resins and resin dispersions. Serial No. 481,584; Aug. 28. Class 6.
Murphy, Frank W., Mount Carmel, Ill. Safety control switches. Serial No. 467,786; Aug. 28. Class 21.
Nardau, Ltd., New York, N. Y. Perfumes, sachets, toilet water, etc. Serial No. 477,788; Aug. 28. Class 6.
National Office Supply Company, Waukegan, Ill. Publication. Serial No. 483,333; Aug. 28. Class 38.
National Ring & Leather Corporation, Mansfield, Ohio. Wallets. Serial No. 479,439; Aug. 28. Class 3.
Niederer, Otto, Sons, Inc., Titusville, N. J. Apparatus for candling, grading, and handling eggs. Serial No. 483,867; Aug. 28. Class 26.
Nukem Products Corporation, Buffalo, N. Y. Plastic linings and brick parts. Serial No. 468,928; Aug. 28. Class 12.
Odessa Products: *See*—
Hagemeyer, Harold P.
Ohio Crankshaft Company, The, Cleveland, Ohio. Inductive and dielectric heating apparatus. Serial No. 478,014; Aug. 28. Class 21.
Paley, S. T., Textile Corporation, New York, N. Y. Piece goods of rayon, cotton, or wool, or mixtures thereof. Serial No. 483,444; Aug. 28. Class 42.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Agricultural chemicals. Serial No. 483,338; Aug. 28. Class 6.
Polis & Hagan, Edinburg, Tex. Fresh citrus fruits and fresh vegetables. Serial No. 483,082; Aug. 28. Class 46.
Purepac Corporation, New York, N. Y. Skin lotion. Serial No. 482,701; Aug. 28. Class 6.
Regal Shoe Company, Whitman, Mass. Hosiery. Serial No. 483,033; Aug. 28. Class 39.
Respondek, John E., doing business as Korona Company, Detroit, Mich. Preparation in liquid form for use as a hair tonic. Serial No. 474,509; Aug. 28. Class 6.
Rexon Inc., New York, N. Y. Unfilled vanity cases and compacts, cosmetic cases, etc. Serial No. 470,633; Aug. 28. Class 2.
Rexon Inc., New York, N. Y. Unfilled vanity cases and compacts, cosmetic cases, etc. Serial No. 470,637; Aug. 28. Class 2.
Richheimer Coffee Company: *See*—
Richheimer, Horace G.
Richheimer, Horace G., doing business as Richheimer Coffee Company, Chicago, Ill. Coffee and tea. Serial No. 464,444; Aug. 28. Class 46.
Rickerfor & Saladino, doing business as Rickey-Sal All-In-One, New Orleans, La. Non alcoholic concentrated liquid products. Serial No. 458,952; Aug. 28. Class 49.
Rickey-Sal All-In-One: *See*—
Rickerfor & Saladino.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods of rayon, cotton, wool, etc. Serial No. 484,065; Aug. 28. Class 42.
Rodelle Laboratories, Inc., Denver, Colo. Flavorings and fondants for food purposes. Serial No. 484,361; Aug. 28. Class 46.
Romanoff Caviar Company, New York, N. Y. Powdered gravy mix, powdered soup mixes, etc. Serial No. 481,083; Aug. 28. Class 46.
Sanders, Abraham M., doing business as Al Sanders Co., New York, N. Y. Suits for men and young men, men's and young men's sport clothes. Serial No. 479,953; Aug. 28. Class 39.
Sanders, Al, Co.: *See*—
Sanders, Abraham M.
Scolding Locks Corporation, Appleton, Wis. Hair pins. Serial No. 484,034; Aug. 28. Class 40.
See Suds, St. Louis, Mo. Powdered soap compound. Serial No. 484,036; Aug. 28. Class 4.
Shera, Stella, Middletown, Ohio. Ornamental figures formed from yarn, cloth, paper, etc. Serial No. 482,815; Aug. 28. Class 40.
Siegle, Fannie, Seattle, Wash. Mechanics' aprons. Serial No. 476,529; Aug. 28. Class 39.
Simmons Company, New York, N. Y. Mattresses. Serial No. 484,326; Aug. 28. Class 32.
Simon, Franklin, & Co., Inc., New York, N. Y. Coats. Serial No. 479,447; Aug. 28. Class 39.
Sinclair Refining Company, New York, N. Y. Light, medium and heavy compounded oil. Serial No. 484,186; Aug. 28. Class 15.
Smith, J. A., Company, St. Louis, Mo. Instruction sheets. Serial No. 473,898; Aug. 28. Class 38.
Standard Pharmaceutical Co.: *See*—
Berger, Herman.
Stauffer Chemical Company, San Francisco, Calif. Dry cleaning solvents. Serial No. 481,863; Aug. 28. Class 4.
Stauffer Chemical Company, San Francisco, Calif. Agricultural parasiticides. Serial No. 484,219; Aug. 28. Class 6.
Subscription Playing Cards: *See*—
Flynn, Lawrence J.
Sumet Corporation, Buffalo, N. Y. Bearing metals, cored and solid bars, gear blanks, etc. Serial No. 482,401; Aug. 28. Class 14.
Tasty Food Products Corp.: *See*—
Voss, Peter.
Texas Company, The, New York, N. Y. Lubricating oil. Serial No. 479,539; Aug. 28. Class 15.
Thompson, Wm. T., doing business as Wm. T. Thompson Co., Los Angeles, Calif. Hormone preparation in tablet form. Serial No. 483,460; Aug. 28. Class 6.
Thompson, Wm. T., Co.: *See*—
Thompson, Wm. T.
Toyad Corporation, Pittsburgh, Pa. Dice game. Serial No. 485,616; Aug. 28. Class 22.
Underhill, G. W., doing business as G. W. Underhill & Co., Kansas City, Mo. Shoe and boot laces. Serial No. 481,928; Aug. 28. Class 40.
Underhill, G. W., & Co.: *See*—
Underhill, G. W.
United Hydraulic Mfg. Co., Los Angeles, Calif. Circuit tester for testing electrical currents. Serial No. 469,854; Aug. 28. Class 26.
United Rubber Workers of America, Akron, Ohio. Printed books, pamphlets, circulars, and newspapers. Serial No. 469,478; Aug. 28. Class 38.
United States Gypsum Company, Chicago, Ill. Hydraulically bonded asbestos heat insulating blocks. Serial No. 462,212; Aug. 28. Class 12.

U. S. Vitamin Corporation, New York, N. Y. Vitamin products. Serial No. 483,595; Aug. 28. Class 6.
Valdome, Incorporated, Staten Island, N. Y. Sparkling wines. Serial No. 458,349; Aug. 28. Class 47.
Vandam, Albert H., Co., Inc., New York, N. Y. Textile fabrics. Serial Nos. 482,818–19; Aug. 28. Class 42.
Vic Cleaning Machine Co., Minneapolis, Minn. Industrial dry cleaning and industrial laundry machines. Serial No. 475,407; Aug. 28. Class 24.
Vio Bin Corporation, Monticello, Ill. Defatted sunflower seeds. Serial No. 471,581; Aug. 28. Class 46.
Voss, Peter, doing business as Tasty Food Products Corp., Washington, D. C. Powdered seasoning. Serial No. 482,907; Aug. 28. Class 46.
White Laboratories, Inc., Newark, N. J. Chemotherapeuti agent. Serial No. 482,823; Aug. 28. Class 6.
White Laboratories, Inc., Newark, N. J. Chemotherapeutic agent. Serial No. 482,823; Aug. 28. Class 6.
Young Life Compaign, Dallas, Tex. Publication published approximately monthly. Serial No. 475,381; Aug. 28. Class 38.
Zero Hour Bomb Company, Tulsa, Okla. Bombs. Serial No. 481,824; Aug. 28. Class 9.

LIST OF REGISTRANTS OF TRADE-MARKS

Accro Bond Watch Company, New York, N. Y. Watches, watch dials, watch movements, etc. 204,635; renewed Oct. 20, 1945. O. G. Aug. 28. Class 27.
Acme Visible Records, Inc., Chicago, Ill. Visible record cabinets, stands for visible record equipment, and visible record brackets. 416,124; Aug. 28; Serial No. 480,220; published June 19, 1945. Class 32.
Affiliated Products, Inc.: *See*—
Delica Laboratories, Inc., assignor.
American Abrasive Metals Company, New York, N. Y. Tread material composed essentially of a cloth base coated with an abrasive resin composition. 416,117; Aug. 28; Serial No. 479,763; published June 5, 1945. Class 50.
American Chain Ladder Co., Inc., New York, N. Y. Hoisting cargo hooks. 416,125; Aug. 28; Serial No. 480,307; published June 5, 1945. Class 13.
American Dietaids Company, Inc., Yonkers, N. Y. Vitamin fortified soups and a preparation containing malted milk, etc. 416,150; Aug. 28. Class 46.
American Junior Aircraft Company, Portland, Oreg. Toy airplanes and controls therefor. 416,182; Aug. 28. Class 22.
American Oak Leather Co., The, Cincinnati, Ohio. Leather in its natural and manufactured states, sole leather, automobile upholstery, etc. 204,931; renewed Oct. 27, 1945. O. G. Aug. 28. Class 1.
American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y., now by change of name Moore Business Forms, Inc. Autographic registers and similar recording machines. 416,091; Aug. 28; Serial No. 472,496; published June 19, 1945. Class 37.
American Varnish Company, The, Chicago, Ill. Varnishes. 47,642; re-renewed Nov. 14, 1945. O. G. Aug. 28. Class 16.
Anchor Coupling Company, Libertyville, Ill. Hose couplings. 416,088; Aug. 28; Serial No. 470,431; published June 12, 1945. Class 13.
Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo. Air humidifying and deodorizing units. 416,153; Aug. 28. Class 34.
Ardee Plastics Company, Inc., New York, N. Y. Toys made of plastic material. 416,130; Aug. 28; Serial No. 480,493; published June 19, 1945. Class 22.
Art Steel Sales Corporation, New York, N. Y. Filing cabinets. 416,126–7; Aug. 28; Serial Nos. 480,308–9; published June 19, 1945. Class 32.
Atlas Portland Cement Company, The, assignor, by mesne assignments, to Universal Atlas Cement Company, New York, N. Y. Portland cement. 46,057–8; re-renewed Sept. 5, 1945. O. G. Aug. 28. Class 12.
Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Candlesticks, lamp stands, bases, and uprights; etc. 205,608; renewed Nov. 10, 1945. O. G. Aug. 28. Class 34.
Baker, Franklin, Company, Hoboken, N. J., assignor to General Foods Corporation, N. Y. Prepared coconut. 204,582–3; renewed Oct. 20, 1945. O. G. Aug. 28. Class 46.
Bama Company, The, Birmingham, Ala. Jams, peanut butter, salad dressing and salad relish. 416,139; Aug. 28; Serial No. 481,205; published June 12, 1945. Class 46.
Bareco Oil Company: *See*—
Monarch Manufacturing Company, assignor.
Bay State Fishing Company, Boston, Mass., assignor, by mesne asignments, to 40-Fathom Fish, Inc., New York, N. Y. Haddock fillets, toasted fillets, salt codfish, etc. 204,461; renewed Aug. 25, 1945. O. G. Aug. 28. Class 46.
Becker, John J.: *See*—
Tool Craft Company.
Belding Heminway Company: *See*—
Heminway Silk Co., The, assignor.
Belz, Sam, Memphis, Tenn. Chairs for domestic use. 416,131; Aug. 28; Serial No. 480,557; published June 19, 1945. Class 32.
Bendix Aviation Corporation, North Hollywood, Calif. Hydraulic cylinders and valves. 416,099; Aug. 28; Serial No. 476,457; published June 12, 1945. Class 13.
Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Altimeters. 416,136; Aug. 28; Serial No. 481,051; published June 19, 1945. Class 26.
Bond Stores, Incorporated, New York, N. Y. Girls', misses', and women's suits, top coats, and overcoats. 416,147; Aug. 28. Class 39.
Boyle-Midway Inc.: *See*—
Cole, G. W., Company, assignor.
Bremner Bros., Chicago, Ill. Biscuits, sugar wafers, cakes, etc. 204,087; renewed Oct. 6, 1945. O. G. Aug. 28. Class 46.
Bryant Electric Company, The, Bridgeport, Conn. Sockets and receptacles for electric lamps and plugs, electric plugs therefor, etc. 45,880; re-renewed Aug. 29, 1945. O. G. Aug. 28. Class 21.
Byford, D., and Co. Limited, Leicester, England. Stockings and socks. 416,164; Aug. 28. Class 39.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Condensed soups. 47,153; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Baked beans. 47,154; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Mince-meat. 47,155; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Chili sauce, tabasco sauce, and salad-dressing. 47,275; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.
Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Tabasco catchup and tomato catchup. 47,276; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.
Campbell Soup Company: *See*—
Campbell, Joseph, Company, assignor.
Carroll Chain Company, The, Columbus, Ohio. Chains made of iron and steel. 205,850; renewed Nov. 17, 1945. O. G. Aug. 28. Class 13.
Carrozza, Joseph, Philadelphia, Pa. Hair tonic. 205,796; renewed Nov. 17, 1945. O. G. Aug. 28. Class 6.
Caspar Lubricants, Incorporated, New York, N. Y. Lubricating oils, greases, and compounds. 205,344; renewed Nov. 3, 1945. O. G. Aug. 28. Class 15.
Cedarberg Manufacturing Company, Minneapolis, Minn. Portable liquid-fuel-burning furnaces. 416,168; Aug. 28. Class 34.
Champion, William J., doing business as Mystic Game Co. Mystic, Stonington, Conn. Board game. 416,089; Aug. 28; Serial No. 471,550; published June 19, 1945. Class 22.
Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 204,051; renewed Oct. 6, 1945. O. G. Aug. 28. Class 46.
Chester Manufacturing Company, Lisbon, Ohio. Hand operated chain hoists and hand operated trolleys. 416,174; Aug. 28. Class 23.
Church & Dwight Co. Inc.: *See*—
Church & Dwight Company, assignor.
Church & Dwight Company, assignor, by mesne assignments, to Church & Dwight Co. Inc., New York, N. Y. Carbonating-powder. 47,448; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 6.
Clark, Walter E., & Son, Orange, Conn. Pruning and grafting compounds. 416,163; Aug. 28. Class 12.
Cohn-Hall Marx Co., New York, N. Y. Piece goods of cotton, rayon and/or combinations thereof. 416,111; Aug. 28; Serial No. 479,029; published June 19, 1945. Class 42.
Cole, G. W., Company, Rahway, N. J. and New York, assignor, by mesne assignments, to Boyle-Midway Inc., New York, N. Y. Oil adapted for use as a lubricator, a polisher, a preserver, etc. 47,021; re-renewed Oct. 17, 1945. O. G. Aug. 28. Class 15.
Colorado Milling & Elevator Company, The: *See*—
Crescent Mill & Elevator Company, assignor.
Hungarian Milling & Elevator Company, The, assignor.
Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes. 416,105; Aug. 28; Serial No. 477,259; published June 19, 1945. Class 19.
Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes and structural parts thereof. 416,112; Aug. 28; Serial No. 479,112; published June 9, 1945. Class 19.
Cook Electric Company, Chicago, Ill. Bellows of metal. 416,090; Aug. 28; Serial No. 472,141; published June 5, 1945. Class 13.

Corey, H. M., Yuma, Ariz. Fresh vegetables and melons. 416,162; Aug. 28. Class 46.

Cramer, Ammon E., doing business as Barbara Fritchie Chocolate Shop, Frederick, Md. Chocolate and bonbons. 205,883; renewed Nov. 17, 1945. O. G. Aug. 28. Class 46.

Crane & Co., Inc.: *See*—
Crane, Z. & W. M., Inc., assignor.

Crane Z. & W. M., Inc., assignor to Crane & Co., Inc., Dalton, Mass. Writing paper and mailing envelopes. 205,893; renewed Nov. 17, 1945. O. G. Aug. 28. Class 37.

Crescent Mill & Elevator Company, assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 45,561; re-renewed Aug. 22, 1945. O. G. Aug. 28. Class 46.

Delica Laboratories, Inc., Chicago, Ill., assignor, by mesne assignments, to Affiliated Products, Inc., New York, N. Y. Lipsticks, powder, and rouge. 202,190; renewed Aug. 18, 1945. O. G. Aug. 28. Class 6.

Dickinson, Albert, Company, The, Chicago, Ill. Popcorn. 47,313; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.

Dickinson, Albert, Company, The, Chicago, Ill. Popcorn. 47,341–3; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 46.

Dickinson, Albert, Company, The, Chicago, Ill. Grass-seeds, grain-seeds, timothy-seed, etc. 47,414–17; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 1.

Dirigo Compass and Instrument Cooperative Association, Auburn, Wash. Magnetic compasses and parts and accessories therefor. 416,104; Aug. 28; Serial No. 477,005; published June 19, 1945. Class 26.

Ditto, Incorporated, Chicago, Ill. Duplicating machines. 204,497; renewed Oct. 20, 1945. O. G. Aug. 28. Class 23.

Dixie-Portland Flour Mills: *See*—
Moore, Warner, & Co.

Draper Canning Company, The: *See*—
Draper, H. C.

Draper, H. C., doing business as Draper Canning Company, to The Draper Canning Company, Milton, Del., successor. Canned peas, canned lima beans, canned tomatoes, etc. 201,523; renewed July 28, 1945. O. G. Aug. 28. Class 46.

Dry-Pack Corporation, New York, N. Y. Breakfast cereal mix. 416,138; Aug. 28; Serial No. 481,135; published June 19, 1945. Class 46.

Dunlop Mills: *See*—
Moore, Warner, & Co.

Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.

Elmo, Inc., Philadelphia, Pa. Astringents, astringent cerates, bleach creams, etc. 198,810; renewed May 26, 1945. O. G. Aug. 28. Class 6.

Elting Brothers: *See*—
Mayer, M. & C.

Emporium World Millinery Company, Chicago, Ill. Women's hats. 416,155–6; Aug. 28. Class 39.

Everitt Hat Company, Milwaukee, Wis. Women's, misses', and girls' hats. 416,157; Aug. 28. Class 39.

F. W. F. Corporation, The, Cleveland, Ohio. Digging, grading, surface modifying, etc. equipment. 416,106; Aug. 28; Serial No. 477,762; published June 19, 1945. Class 23.

Fassett & Company, Tacoma, Wash. Canned fruits, canned berries, and canned vegetables, etc. 205,763; renewed Nov. 17, 1945. O. G. Aug. 28. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Radios and parts thereof. 416,071; Aug. 28; Serial No. 432,937; published Sept. 17, 1940. Class 21.

Firestone Tire & Rubber Company, The, Akron, Ohio. Giraffe caricature toy. 416,083; Aug. 28; Serial No. 469,252; published June 19, 1945. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Elephant caricature toy. 416,084; Aug. 28; Serial No. 469,253; published June 19, 1945. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Squirrel caricature toy. 416,085; Aug. 28; Serial No. 469,254; published June 19, 1945. Class 22.

Fisher Scientific Company, Pittsburgh, Pa. Platform or support which is resiliently mounted and absorbs vibration. 416,141; Aug. 28; Serial No. 481,280; published June 19, 1945. Class 26.

40-Fathom Fish, Inc.: *See*—
Bay State Fishing Company, assignor.

Freund, Peter, Knitting Mills, North Bergen, N. J. Woolen, cotton, and rayon piece goods. 416,096; Aug. 28; Serial No. 475,949; published June 19, 1945. Class 42.

Fritchie, Barbara, Chocolate Shop: *See*—
Cramer, Ammon E.

Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 204,013; renewed Oct. 6, 1945. O. G. Aug. 28. Class 46.

Garfinkel & Ritter, assignor to The Jaunty Fabric Corporation, New York, N. Y. Silk crêpe in the piece. 203,040; renewed Sept. 8, 1945. O. G. Aug. 28. Class 42.

General Binding Corporation, Chicago, Ill. Ring-type binding devices. 416,095; Aug. 28; Serial No. 475,362; published June 19, 1945. Class 37.

General Foods Corporation: *See*—
Baker, Franklin, Company, assignor.

General Storage Battery Co., St. Louis, Mo., assignor to The General Tire & Rubber Company, Akron, Ohio. Automobile storage batteries and radio storage batteries. 200,009; renewed June 23, 1945. O. G. Aug. 28. Class 21.

General Tire & Rubber Company, The: *See*—
General Storage Battery Co., assignor.

Goodwin Preserving Co., Incorporated, Louisville, Ky. Fruit butter. 416,170; Aug. 28. Class 46.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber vehicle-tires. 46,530–3; re-renewed Sept. 26, 1945. O. G. Aug. 28. Class 35.

Gotham Hosiery Company Inc.: *See*—
Gotham Silk Hosiery Co. Inc., assignor.

Gotham Silk Hosiery Co. Inc., assignor to Gotham Hosiery Company Inc., New York. N. Y. Shaped heel insert. 205,543; renewed Nov. 10, 1945. O. G. Aug. 28. Class 39.

Greek-Arabian Coffee Co., Inc., New York, N. Y. Coffee. 416,082; Aug. 28; Serial No. 469,010; published June 19, 1945. Class 46.

Hall, Charles P., doing business as The C. P. Hall Co., assignor to The C. P. Hall Company, Akron, Ohio. Asphaltum. 205,178; renewed Nov. 3, 1945. O. G. Aug. 28. Class 12.

Hall, C. P., Co., The.: *See*—
Hall, Charles P.

Hall, C. P., Company, The: *See*—
Hall, Charles P., assignor.

Heath Company, Benton Harbor, Mich. Transparent panes of glass. 416,109; Aug. 28; Serial No. 478,581; published June 5, 1945. Class 50.

Heather Company: *See*—
Schwannecke, F. A., Inc., assignor.

Heller Brothers Company, Newark, N. J. Tool steel. 201,643; renewed Aug. 4, 1945. O. G. Aug. 28. Class 14.

Heminway Silk Co., The, Watertown, Conn., assignor to Belding Heminway Company, New York, N. Y. Pure and artificial silk fabrics in the piece. 205,198; renewed Nov. 3, 1945. O. G. Aug. 28. Class 42.

Hendley, C. W., & Company, Incorporated, Baltimore, Md. Coal. 205,008; renewed Oct. 27, 1945. O. G. Aug. 28. Class 1.

Henrick Manufacturing Company, Carbondale, Pa. Stair treads. 204,633; renewed Oct. 20, 1945. O. G. Aug. 28. Class 12.

Herman, Louis, & Company, New York, N. Y. Women's slips. 416,148; Aug. 28. Class 39.

Higginbotham-Bailey Company: *See*—
Higginbotham-Bailey-Logan Company.

Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y., by change of name to Higginbotham-Bailey Company, Dallas, Tex. Chambray, gingham, laces, etc. 202,544; renewed Aug. 25, 1945. O. G. Aug. 28. Class 42 and 39.

Hill, J. E., & Company, Minneapolis, Minn. Pure dehydrated garlic. 416,080; Aug. 28; Serial No. 468,674; published June 12, 1945. Class 46.

Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 205,317–9; renewed Nov. 3, 1945. O. G. Aug. 28. Class 22.

Hochheiser & Weisberg Inc., New York, assignor to Moosalina Products Corp., Brooklyn, N. Y. Olive oil. 205,782; renewed Nov. 17, 1945. O. G. Aug. 28. Class 46.

Hoffman, Morris, New York, N. Y. Men's and ladies' jewelry (not including watches). 416,079; Aug. 28; Serial No. 467,973; published June 19, 1945. Class 28.

Hollings-Smith Company, Inc., Orangeburg, N. Y. Certain proprietary medicines. 204,473; renewed Oct. 20, 1945. O. G. Aug. 28. Class 6.

Hoyle, Thomas M., Washington, D. C. Cookies, candy, sandwiches, etc. 416,161; Aug. 28. Class 46.

Hubinger Co., The: *See*—
Hubinger, J. C., Bros. Company.

Hubinger, J. C., Bros. Company, The, Keokuk, Iowa, by change of name to The Hubinger Co. Laundry starch. 205,630; renewed Nov. 10, 1945. O. G. Aug. 28. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Women's underwear. 205,698; renewed Nov. 17, 1945. O. G. Aug. 28. Class 39.

Hungarian Milling & Elevator Company, The, assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 45,493; re-renewed Aug. 22, 1945. O. G. Aug. 28. Class 46.

Hurty-Peck & Co., Indianapolis, Ind. Nonalcoholic maltless compound sirup. 205,804; renewed Nov. 17, 1945. O. G. Aug. 28. Class 45.

Hut Neckwear Co. Inc., New York, N. Y. Neckties and cravats. 416,160; Aug. 28. Class 39.

Huyck, F. C., & Sons, Albany, N. Y. Bath robes. 203,383; renewed Sept. 15, 1945. O. G. Aug. 28. Class 39.

Jacobs Bros. Inc.: *See*—
Jacobs Brothers, assignor.

Jacobs Brothers assignor to Jacobs Bros. Inc., Baltimore, Md. Dresses and nurses' and maids' uniforms. 193,628; renewed Jan. 6, 1945. O. G. Aug. 28. Class 39.

Jacoby, Henry E., New York, N. Y. Filter papers. 416,137; Aug. 28; Serial No. 481,112; published June 19, 1945. Class 31.

Jagerson, L. A., Co.: *See*—
Jagerson, Lincoln A.

Jagerson, Lincoln A., doing business as L. A. Jagerson Co., Long Beach, Calif. Plastic composition. 416,172; Aug. 28. Class 12.

Jaques Manufacturing Company, Chicago, Ill. Baking powder. 205,174–6; renewed Nov. 3, 1945. O. G. Aug. 28. Class 46.

Jaunty Fabric Corporation, The: *See*—
Garfinkel & Ritter, assignor.

Jessel & Di Iuglio, New York, N. Y. Men's and boys' dress shirts, negligee shirts, and sports shirts. 416,176; Aug. 28. Class 39.

Kamborian, Jacob S., Cambridge, Mass. Women's and children's shoes. 416,151; Aug. 28. Class 39.

Kaufmann Department Stores, Inc.: *See*—
Sampeck Clothes, Inc., assignor.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 416,094; Aug. 28; Serial No. 474,910; published June 19, 1945. Class 46.

Kilmer & Co., Incorporated: *See*
Kilmer, Dr., & Co., assignor.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Preparation for the treatment of the ordinary curable ailments. 204,304; renewed Oct. 13, 1945. O. G. Aug. 28. Class 6.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Preparations for the treatment of headache, drowsiness, torpid liver, etc. 205,500; renewed Nov. 10, 1945. O. G. Aug. 28. Class 6.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Preparations for the treatment of coughs, colds, etc. 205,571–2; renewed Nov. 10, 1945. O. G. Aug. 28. Class 6.

Kilmer, Dr., & Co., Binghamton, N. Y., assignor, by mesne assignments, to Kilmer & Co., Incorporated, Stamford, Conn. Preparation for the treatment of the ordinary curable ailments of the kidneys, liver, etc. 205,573; renewed Nov. 10, 1945. O. G. Aug. 28. Class 6.

Klein, Jules, & Joseph Muller, New York, N. Y. Watches. 416,132; Aug. 28; Serial No. 480,772; published June 19, 1945. Class 27.

Lake Manufacturing Company: *See*—
Riley, Cusack M.

Laucks, I. F., Inc., Seattle, Wash. Food product. 416,075; Aug. 28; Serial No. 463,524; published June 19, 1945. Class 46.

Lee, A. W.: *See*—
Prime-Miller Petroleum Company.

Lee, A. W., Oil Co.: *See*—
Prime-Miller Petroleum Company.

Lee Paper Company, Vicksburg, Mich. Bond and ledger papers. 202,309; renewed Aug. 18, 1945. O. G. Aug. 28. Class 37.

Leibowitz Pickle Products, Brooklyn, N. Y. Chow chow, dill pickles, vinegar pickles, etc. 416,179; Aug. 28. Class 46.

Leichter, Emil, New York, N. Y. Watches. 416,129; Aug. 28; Serial No. 480,461; published June 19, 1945. Class 27.

Life Savers Corporation: *See*—
Life Savers, Inc., assignor.

Life Savers, Inc., assignor, by mesne assignments, to Life Savers Corporation, Port Chester, N. Y. Malt extract. 204,268; renewed Oct. 13, 1945. O. G. Aug. 28. Class 48.

Lincoln Fabrics Co., New York, N. Y. Rayon piece goods. 416,116; Aug. 28; Serial No. 479,749; published June 19, 1945. Class 42.

Lloyd Bros., Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Pharmaceutical preparation. 47,458; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 6.

Loeser, Frederick, & Co., New York, to Frederick Loeser & Co., Inc., Brooklyn, N. Y., successor. Gloves. 47,007; re-renewed Oct. 17, 1945. O. G. Aug. 28. Class 39.

Loeser, Frederick, & Co., Inc.: *See*—
Loeser, Frederick, & Co.

Logan Brothers Company, The, Bridgeport, Conn. Coffee. 202,449; renewed Aug. 25, 1945. O. G. Aug. 28. Class 46.

Logan Engineering Co., Chicago, Ill. Centrifugal separators. 416,146; Aug. 28. Class 34.

Longwood Manufacturing Co., Boston, Mass. Children's blouses, dresses, and skirts. 416,158; Aug. 28. Class 39.

Lyons-Magnus, Incorporated, San Francisco, Calif. Nonalcoholic industrial fluid flavorings. 416,077; Aug. 28; Serial No. 466,202; published June 19, 1945. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Men's leather shoes. 202,752; renewed Sept. 1, 1945. O. G. Aug. 28. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Men's shirts. 204,157; renewed Oct. 6, 1945. O. G. Aug. 28. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Men's leather 204,630; renewed Oct. 20, 1945. O. G. Aug. 28. Class 43.

Macy, R. H., & Co., Inc., New York, N. Y. Girls' coats, suits, and dresses. 204,713–14; renewed Oct. 20, 1945. O. G. Aug. 28. Class 39.

Mallory Hat Company, The: *See*—
Murphy-Gorman Company, The.

Manhattan Undergarment Co., Inc., New York, N. Y. Women's and misses' undergarments. 416,181; Aug. 28. Class 39.

Marsh, M., & Son, Wheeling, W. Va. Cigars and stogies. 47,045; re-renewed Oct. 24, 1945. O. G. Aug. 28. Class 17.

Marshall Field & Company, assignor to McCoy, Jones & Company, Inc., Chicago, Ill. Dress shields. 205,701; renewed Nov. 17, 1945. O. G. Aug. 28. Class 40.

Marstin Adhesive Company, Boston, Mass. Glues and adhesive cements. 204,464; renewed Oct. 20, 1945. O. G. Aug. 28. Class 5.

Martini Frocks, New York, N. Y. Women's and misses' evening gowns, and dresses and suits. 416,177; Aug. 28. Class 39.

Marvin Landplane Co., Knights Landing, Calif. Earth grading and leveling implements. 416,114; Aug. 28; Serial No. 479,523; published June 19, 1945. Class 23.

Master Builders Company, The, Cleveland, Ohio. Colored cement, materials used for waterproofing, hardening, frostproofing, etc. 203,180; renewed Sept. 15, 1945. O. G. Aug. 28. Class 12.

Master Builders Company, The, Cleveland, Ohio. Dry, paste, and ready-mixed paints and paint enamels, coloring pigments, etc. 203,394; renewed Sept. 15, 1945. O. G. Aug. 28. Class 16.

Matlin Cloak & Suit Co., Inc., New York, N. Y. Ladies' and misses' coats and suits. 416,167; Aug. 28. Class 39.

Matulich, T. J., doing business as T. J. Matulich Co., Watsonville, Calif. Fresh vegetables. 416,183; Aug. 28. Class 46.

Matulich, T. J., Co.: *See*—
Matulich, T. J.

May Department Stores Company, The, St. Louis, Mo., to The May Department Stores Company. Hosiery. 205,746; renewed Nov. 17, 1945. O. G. Aug. 28. Class 39.

Mayer, M. & C., to Elting Brothers, New York, N. Y., successor. Knit hosiery and underwear. 47,043; re-renewed Oct. 24, 1945. O. G. Aug. 28. Class 39.

McCann, J. D., Company, Rochester, N. Y. Cold cream. 204,562; renewed Oct. 20, 1945. O. G. Aug. 28. Class 6.

McCoy, Jones & Company, Inc.: *See*—
Marshall Field & Company, assignor.

McManus & Riley, Inc., Albany, N. Y. Men's clothing. 416,175; Aug. 28. Class 39.

Mercury Manufacturing Company, The, Chicago, Ill. Hand trucks and trailer trucks. 416,103; Aug. 28; Serial No. 476,920; published June 19, 1945. Class 19.

Minetta & Cia. Ltda. Sociedad Anonima Industrial y Comercial, Rosario, Argentina. Wheat semolina and flour and malt and alimentary paste, etc. 416,098; Aug. 28; Serial No. 476,335; published June 19, 1945. Class 46.

Monarch Manufacturing Company, Council Bluffs, Iowa, assignor to Bareco Oil Company, Tulsa, Okla. Lubricating oils and greases. 201,284; renewed July 21, 1945. O. G. Aug. 28. Class 15.

Moore Business Forms, Inc.: *See*—
American Sales Book Company, Inc.

Moore, Warner, & Co., doing business as Dunlop Mills, Richmond, Va., assignor to Charles Banks Stout, doing business as Dixie-Portland Flour Mills, Memphis, Tenn. Wheat flour, feeds for live stock, middlings, etc. 201,962; renewed Aug. 11, 1945. O. G. Aug. 28. Class 46.

Moosalina Products Corp.: *See*—
Hochheiser & Weisberg Inc.

Morehouse Manufacturing Company: *See*—
Morehouse Mfg. Co.

Morehouse Mfg. Co., to Morehouse Manufacturing Company, Savannah, Ga., successor. Baking-soda. 46,392; re-renewed Sept. 19, 1945. O. G. Aug. 28. Class 6.

Morgan-Sabalol Products, Inc.: *See*—
Yum Chemical Company, Incorporated, assignor.

Morros, Boris, Music Co., Los Angeles, Calif. Phonograph records. 416,102; Aug. 28; Serial No. 476,692; published Apr. 3, 1945. Class 36.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. 416,143; Aug. 28; Serial No. 481,644; published June 19, 1945. Class 21.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. 416,144; Aug. 28; Serial No. 481,673; published June 19, 1945. Class 21.

Mulford, H. K., Company, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Deodorizing toilet preparation. 198,799; renewed May 26, 1945. O. G. Aug. 28. Class 6.

Murphy-Gorman Company, The, to The Mallory Hat Company, Danbury, Conn., successor. Men's soft-felt hats, stiff felt hats, and velour hats. 204,040; renewed Oct. 6, 1945. O. G. Aug. 28. Class 39.

Musebeck Shoe Company, Danville, Ill. Projector screens. 416,076; Aug. 28; Serial No. 465,005; published Feb. 20, 1945. Class 26.

Mystic Game Co.: *See*—
Champion, William J.

National Carbon Company, Inc., New York, N. Y. Stranded shunt cables for brushes. 205,429; renewed Nov. 10, 1945. O. G. Aug. 28. Class 21.

National Carbon Company, Inc., New York, N. Y. Electric batteries. 205,574; renewed Nov. 10, 1945. O. G. Aug. 28. Class 21.

Nebel Knitting Company, to Nebel Knitting Company, Charlotte, N. C., successor. Ladies' and men's full-fashioned hosiery. 203,936; renewed Sept. 29, 1945. O. G. Aug. 28. Class 39.

New England Homestead Company: *See*—
Orange Judd Company, assignor.

New England Mica Co., Waltham, Mass. Mica insulating units. 203,086; renewed Sept. 8, 1945. O. G. Aug. 28. Class 21.

New England Mica Co., Waltham, Mass. Mica insulating units. 204,454; renewed Oct. 20, 1945. O. G. Aug. 28. Class 21.

New York Consolidated Card Company, The, New York, N. Y., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 47,550; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 22.

Novell: *See*—
Rubin, Herbert.

Odence Manufacturing Co., Boston, Mass. Cigars. 416,134; Aug. 28; Serial No. 480,921; published June 19, 1945. Class 17.

Ohio Federation of Women's Clubs, Cleveland, Ohio. Monthly magazine. 205,235; renewed Nov. 3, 1945. O. G. Aug. 28. Class 38.

Orange Judd Company, New York, N. Y., assignor, by mesne assignments, to New England Homestead Company, Springfield, Mass. Periodicals. 46,136; re-renewed Sept. 5, 1945. O. G. Aug. 28. Class 38.

Oris Watch Co. Ltd., Holstein, Switzerland. Watches and clocks and parts of watches and clocks. 416,074; Aug. 28; Serial No. 460,218; published Oct. 19, 1943. Class 27.

Pacific Mills, New York, N. Y. Cotton piece goods. 416,118–21; Aug. 28; Serial Nos. 479,946–9; published June 19, 1945. Class 42.

Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l.: *See*—
Steinfels Frères.

Parker Brothers, Portland, Maine, and Salem, to Parker Brothers, Incorporated, Salem, Mass. Games. 202,970; renewed Sept. 8, 1945. O. G. Aug. 28. Class 22.

Parker Brothers, Incorporated: *See*—
Parker Brothers.

Peerless Sales Company, Chicago, Ill. Games. 416,100; Aug. 28; Serial No. 476,480; published June 19, 1945. Class 22.

Penick, S. B., & Company: *See*—
Lloyd Bros., assignor.

Penn Leather Company, Philadelphia, Pa. Leather soles, taps, and slip soles. 205,548; renewed Nov. 10, 1945. O. G. Aug. 28. Class 39.

Pierce, S. S., Co., Boston, Mass. Cigarettes. 47,549; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 17.

Pierce, S. S., Co., Boston, Mass. Cigars. 47,704; re-renewed Nov. 14, 1945. O. G. Aug. 28. Class 17.

Portland Packing Co.: *See*—
Portland Packing Company, assignor.

Portland Packing Company, assignor to Portland Packing Co., Portland, Maine. Canned corn, canned succotash, canned baked beans, etc. 47,493–5; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 46.

Portner, Paul E., Marietta, Pa. Detergent. 416,169; Aug. 28. Class 4.

Prime-Miller Petroleum Company, to A. W. Lee, doing business as A. W. Lee Oil Co., Oklahoma City, Okla., successor. Lubricating oil and gasoline. 205,321; renewed Nov. 3, 1945. O. G. Aug. 28. Class 15.

Printz Biederman Co., The, Cleveland, Ohio. Ladies' and misses' outer apparel. 205,843; renewed Nov. 17, 1945. O. G. Aug. 28. Class 39.

Printz, Glenn E., doing business as Printz Electric Company, Detroit, Mich. Magnetic chucks, magnetic parallels, electric demagnetizers, etc. 416,073; Aug. 28; Serial No. 452,836; published Oct. 20, 1942. Class 21.

Rainbow Art Company, The, Huntington, W. Va. Glass tableware. 416,902; Aug. 28; Serial No. 473,338; published June 12, 1945. Class 33.

Reeves Brothers, Inc., New York, N. Y. Cotton piece goods. 416,173; Aug. 28. Class 42.

Rex Co., Inc., The, Cambridge, Mass. Plastic composition in the form of sheets. 416,122; Aug. 28; Serial No. 480,088; published June 12, 1945. Class 50.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Flushing oils for motors. 203,229; renewed Sept. 15, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Gasoline. 203,406; renewed Sept. 15, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils. 203,661–4; renewed Sept. 22, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Corporation: *See*—
Richfield Oil Company, assignor.

Riley, Cusack M., doing business as Lake Manufacturing Company, to Cusack M. Riley, Minneapolis, Minn. Hydrocarbon dry cleaner and spot remover. 199,544; renewed June 9, 1945. O. G. Aug. 28. Class 4.

Rubin, Herbert, doing business as Novell, New York, N. Y. Lamps containing liquid which when burned creates a deodorizing effect. 416,115; Aug. 28; Serial No. 479,602; published June 19, 1945. Class 50.

S. S. S. Co.: *See*—
Swift Specific Co., The.

Salz Brothers, Inc., New York, N. Y. Fountain pens and pencils and pen and pencil sets. 416,140; Aug. 28; Serial No. 481,248; published June 19, 1945. Class 37.

Sampeck Clothes, Inc., New York, N. Y., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Suits and coats for men and boys. 200,104; renewed June 23, 1945. O. G. 28. Class 39.

Sampeck Clothes Inc., New York, N. Y., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Woolen fabrics. 201,939; renewed Aug. 11, 1945. O. G. Aug. 28. Class 42.

Sargeant Acnoid Pharmaceutical Co., Inc.: *See*—
Sargeant, Mortimer W., assignor.

Sargeant, Mortimer W., assignor to Sargeant Acnoid-Pharmaceutical Co., Inc., East Orange, N. J. Hand lotion. 200,442; renewed June 30, 1945. O. G. Aug. 28. Class 6.

Schreiber Wallach Company, The, Cleveland, Ohio. Children's and misses' dresses. 204,737; renewed Oct. 27, 1945. O. G. Aug. 28. Class 39.

Schwannecke, F. A., Inc., assignor to Frederick A. Schwannecke, assignor, by mesne assignments, to Heather Company, New York, N. Y. Compacts, lipsticks, rouge, etc. 202,126; renewed Aug. 18, 1945. O. G. Aug. 28. Class 6.

Schwannecke, Frederick A.: *See*—
Schwannecke, F. A., Inc., assignor.

Schweiz. Serum- & Impfinstitut Bern, Berne, Switzerland. Antispasmodics. 188,548; renewed Aug. 26, 1944. O. G. Aug. 28. Class 6.

Schweiz. Serum- & Impfinstitut Bern, Berne, Switzerland. Cauterizing preparation. 198,912; renewed May 26, 1945. O. G. Aug. 28. Class 6.

Selig Company The: *See*—
Selig, Simon S., Jr., assignor.

Selig, Simon S., Jr., assignor to The Selig Company, Atlanta, Ga. Floor-dressing. 47,339; re-renewed Oct. 31, 1945. O. G. Aug. 28. Classes 4 and 16.

Shapleigh Hardware Company: *See*—
Simmons Hardware Co., assignor.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K., Company, assignor.

Shelby Gum Company, The, Shelby, Ohio. Chewing gum. 205,950; renewed Nov. 17, 1945. O. G. Aug. 28. Class 46.

Sherman Bows: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Bows, New York, N. Y. Neckties and bow ties. 416,154; Aug. 28. Class 39.

Shotwell Mfg. Co., The, Chicago, Ill. Candy. 416,086; Aug. 28; Serial No. 469,973; published June 19, 1945. Class 46.

Simmons Hardware Co., assignor to Shapleigh Hardware Company, St. Louis, Mo. Axes. 47,375; re-renewed Oct. 31, 1945. O. G. Aug. 28. Class 23.

Slater Electric & Mfg. Co., Brooklyn, N. Y. Radio tubes. 416,081; Aug. 28; Serial No. 468,904; published June 19. 1945. Class 21.

Société des Plaques et Poudres à Souder J. Laffitte to Société des Plaques et Poudras à Souder (Société Anonyme), Paris, France, successor. Welding plates, welding powders, and brazing and tempering powders. 159,105; renewed Sept. 19, 1942. O. G. Aug. 28. Class 6.

Société des Plaques et Poudras à Souder (Société Anonyme): *See*—
Société des Plaques et Poudres à Souder J. Laffitte.

Southworth Company, Mittineague, to Southworth Company, West Springfield, Mass. Writing-paper and envelopes. 47,085; re-renewed Oct. 24, 1945. O. G. Aug. 28. Class 37.

Stahl, Norman S., Chicopee Falls, Mass. Toy tracing sets. 416,123; Aug. 28; Serial No. 480,147; published June 19, 1945. Class 22.

Stanco Incorporated: *See*—
Standard Oil Company (New Jersey), assignor.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor, by mesne assignments, to Stanco Incorporated, New York, N. Y. Liquid cleansing compounds and detergents. 204,957; renewed Oct. 27, 1945. O. G. Aug. 28. Class 4.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor, by mesne assignments, to Stanco Incorporated, New York, N. Y. Liquid cleansing compounds and detergents. 204,989–90; renewed Oct. 27, 1945. O. G. Aug. 28. Class 4.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Motor fuels. 416,133; Aug. 28; Serial No. 480,844; published June 19, 1945. Class 15.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Motor fuels. 416,135; Aug. 28; Serial No. 481,031; published June 19, 1945. Class 15.

Steinfels Frères to Parfumerie Monpelas, Steinfels & Compagnie S. a. r. l., Vincennes, France, successor. Perfumeries, sachet powders, and cosmetics. 153,721–3; renewed Mar. 28, 1942. O. G. Aug. 28. Class 6.

Steinfels Frères to Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l., Vincennes, France, successor. Soaps. 160,300–2; renewed Oct. 17, 1945. O. G. Aug. 28. Class 4.

Stetson Shoe Company, Inc., The, Weymouth, Mass., to The Stetson Shoe Company, Incorporated, Weymouth and South Weymouth, Mass. Boots and shoes for men and women. 203,516; renewed Sept. 22, 1945. O. G. Aug. 28. Class 39.

Stetson Shoe Company, Incorporated, The: *See*—
Stetson Shoe Company, Inc., The.

Stout, Charles B.: *See*—
Moore, Warner, & Co., assignor.

Strathmore Paper Company, Mittineague, Mass., to Strathmore Paper Company, West Springfield, Mass. Bristol board. 205,902; renewed Nov. 17, 1945. O. G. Aug. 28. Class 37.

Strawbridge & Clothier, assignor to Strawbridge & Clothier, Philadelphia, Pa. Corsets. 47,685; re-renewed Nov. 14, 1945. O. G. Aug. 28. Class 39.

Street & Smith Publications, Inc., New York, N. Y. Paper dress patterns. 416,078; Aug. 28; Serial No. 467,547; published June 12, 1945. Class 26.

Superb Glove Company, The, Johnstown, N. Y. Men's, women's, and children's gloves. 416,165; Aug. 28. Class 39.

Sutho Co, Indianapolis, Ind. Skin lotion. 200,274; renewed June 30, 1945. O. G. Aug. 28. Class 6.

Swift Specific Co., The, Atlanta, Ga., by change of name to S. S. S. Co. Remedy for the cure of all blood and skin diseases, etc. 45,172; re-renewed Aug. 8, 1945. O. G. Aug. 28. Class 6.

Swing Brothers, Ridgely and Price, assignor to D. Thompson Swing, Ridgely, Md. Canned vegetables. 203,847–8; renewed Sept. 29, 1945. O. G. Aug. 28. Class 46.

Swing, D. Thompson: *See*—.
Swing Brothers, assignor.

Tamny, Sol, doing business as Sol Tamny Co., New York, N. Y. Men's and boys' coats, suits, jackets, topcoats, overcoats. 416,178; Aug. 28. Class 39.

Tamny, Sol, Co.: *See*—
Tamny, Sol.

Tide Water Associated Oil Company: *See*—
Tide Water Oil Company, assignor.

Tide Water Oil Company, Bayonne, N. J., and New York, assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Lubricating oils. 200,719; renewed July 7, 1945. O. G. Aug. 28. Class 15.

Timm Aircraft Corporation, Van Nuys, Calif. Aeroplanes and aeroplane structural parts. 416,072; Aug. 28; Serial No. 450,035; published May 26, 1942. Class 19.

Tool Craft Company, assignor to John J. Becker, New York, N. Y., doing business as Tool Craft Company. Ground steel stock, punch plates, stripper plates, etc. 416,166; Aug. 28. Class 14.

Towle Manufacturing Company, Newburyport, Mass. Table silverware. 47,551; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 28.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic material. 416,152; Aug. 28. Class 12.

Triangle Package Machinery Company, Chicago, Ill. Weighing machines. 416,101; Aug. 28; Serial No. 476,650; published June 12, 1945. Class 26.

Trilling and Montague, Philadelphia, Pa. Portable electric space heaters. 416,110; Aug. 28; Serial No. 478,981; published June 19, 1945. Class 21.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 416,142; Aug. 28; Serial No. 481,593; published June 19, 1945. Class 2.

United States Playing Card Company, The: *See*—
New York Consolidated Card Company, The, assignor.

Universal Atlas Cement Company, The: *See*—
Atlas Portland Cement Company, The, assignor.

Universal Chain Co., Inc., Maplewood, N. J. Chain made of precious metals. 416,108; Aug. 28; Serial No. 478,062; published June 19, 1945. Class 28.

Victor Tool Company, The, Reading, Pa. Edge cutting implements of the machete type. 416,087; Aug. 28; Serial No. 470,089; published June 19, 1945. Class 23.

Viking Paper Co. Inc., New York, N. Y. Paper products. 416,107; Aug. 28; Serial No. 477,829; published June 19, 1945. Class 37.

W. & R. Jewelry Co. Inc., Attleboro, Mass. Necklaces, rings, earrings, etc. 416,097; Aug. 28; Serial No. 475,990; published June 19, 1945. Class 28.

Wallace, Scott & Co., Limited, Glasgow, Scotland. Men's jackets and men's waistcoats. 203,752; renewed Sept. 22, 1945. O. G. Aug. 28. Class 39.

Waterman, L. E., Company, New York, N. Y. Fountain pens and parts thereof. 416,128; Aug. 28; Serial No. 480,359; published June 19, 1945. Class 37.

Weldon Roberts Rubber Company, Newark, N. J. Rubber erasers. 201,340; renewed July 21, 1945. O. G. Aug. 28. Class 37.

Western Auto Supply Company, Kansas City, Mo. Flock feeders and poultry fountains. 416,093; Aug. 28; Serial No. 474,305; published June 19, 1945. Class 50.

White, R. H., Company, Boston, Mass. Boys' suits, boys' hats and caps, blouses, etc. 416,171; Aug. 28. Class 39.

Whittle & Mutch, Inc., Philadelphia, Pa. Nonalcoholic, noncereal, maltless beverages. 205,266; renewed Nov. 3, 1945. O. G. Aug. 28. Class 45.

Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machines, sewing machine parts and attachments. 416,145; Aug. 28; Serial No. 481,683; published June 19, 1945. Class 23.

Williams, C. U., & Son, assignor, by mesne assignments, to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Liquid-fuel-burning devices. 199,644; renewed June 16, 1945. O. G. Aug. 28. Class 34.

Williams Oil-O-Matic Heating Corporation: *See*—
Williams, C. U., & Son, assignor.

Willmann Paper Co. Inc.: *See*—
Willmann, William G.

Willmann, William G., to Wm. G. Willmann Paper Co. Inc., New York, N. Y., successor. Writing-paper. 47,443; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 37.

Willow Shirt and Underwear Corporation, The, New Haven, Conn. Men's and boys' dress shirts. 416,180; Aug. 28. Class 39.

Wilson Chemical Company, The: *See*—
Wilson, George C., assignor.

Wilson, George C., assignor to The Wilson Chemical Company, Tyrone, Pa. Salves for the treatment of the skin. 47,467; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 6.

Woburn Chemical Corp. (N. J.), Kearny, N. J. Drying oil for paints and varnishes. 416,159; Aug. 28. Class 16.

Woodworth, N. A., Company, Ferndale, Mich. Plug gages, thread gages, ring gages, etc. 416,113; Aug. 28; Serial No. 479,320; published June 19, 1945. Class 26.

Yum Chemical Company, Incorporated, Brooklyn, assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Remedy for headaches, neuralgia and colds. 204,926; renewed Oct. 27, 1945. O. G. Aug. 28. Class 6.

Z. & Z. Manufacturing Co., New York, N. Y. Blouses, slack suits, play suits, etc. 416,149; Aug. 28. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. C. W. Hendley & Company, Incorporated. 205,008; renewed Oct. 27, 1945. O. G. Aug. 28.

Grass-seeds, grain-seeds, timothy-seed, etc. Albert Dickinson Company. 47,414–17; re-renewed Nov. 7, 1945. O. G. Aug. 28.

Leather in its natural and manufactured states, sole leather, automobile upholstery, etc. American Oak Leather Co. 204,931; renewed Oct. 27, 1945. O. G. Aug. 28.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 416,142; Aug. 28; Serial No. 481,593; published June 19, 1945.

CLASS 4

Cleaner and spot remover, Hydrocarbon dry. C. M. Riley. 199,544; renewed June 9, 1945. O. G. Aug. 28.

Cleansing compounds and detergents, Liquid. Standard Oil Company (New Jersey). 204,957; renewed Oct. 27, 1945. O. G. Aug. 28.

Cleansing compounds and detergents, Liquid. Standard Oil Company (New Jersey). 204,989–10; renewed Oct. 27, 1945. O. G. Aug. 28.

Detergent. P. E. Portner. 416,169; Aug. 28.

Floor-dressing. S. S. Selig, Jr. 47,339; re-renewed Oct. 31, 1945. O. G. Aug. 28.

Soaps. Steinfels Frères. 160,300–2; renewed Oct. 17, 1942. O. G. Aug. 28.

Musebeck Shoe Company, Danville, Ill. Projector screens. 416,076; Aug. 28; Serial No. 465,005; published Feb. 20, 1945. Class 26.

Mystic Game Co.: *See*—
Champion, William J.

National Carbon Company, Inc., New York, N. Y. Stranded shunt cables for brushes. 205,429; renewed Nov. 10, 1945. O. G. Aug. 28. Class 21.

National Carbon Company, Inc., New York, N. Y. Electric batteries. 205,574; renewed Nov. 10, 1945. O. G. Aug. 28. Class 21.

Nebel Knitting Company, to Nebel Knitting Company, Charlotte, N. C., successor. Ladies' and men's full-fashioned hosiery. 203,936; renewed Sept. 29, 1945. O. G. Aug. 28. Class 39.

New England Homestead Company: *See*—
Orange Judd Company, assignor.

New England Mica Co., Waltham, Mass. Mica insulating units. 203,086; renewed Sept. 8, 1945. O. G. Aug. 28. Class 21.

New England Mica Co., Waltham, Mass. Mica insulating units. 204,454; renewed Oct. 20, 1945. O. G. Aug. 28. Class 21.

New York Consolidated Card Company, The, New York, N. Y., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 47,550; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 22.

Novell: *See*—
Rubin, Herbert.

Odence Manufacturing Co., Boston, Mass. Cigars. 416,134; Aug. 28; Serial No. 480,921; published June 19, 1945. Class 17.

Ohio Federation of Women's Clubs, Cleveland, Ohio. Monthly magazine. 205,235; renewed Nov. 3, 1945. O. G. Aug. 28. Class 38.

Orange Judd Company, New York, N. Y., assignor, by mesne assignments, to New England Homestead Company, Springfield, Mass. Periodicals. 46,136; re-renewed Sept. 5, 1945. O. G. Aug. 28. Class 38.

Oris Watch Co. Ltd., Holstein, Switzerland. Watches and clocks and parts of watches and clocks. 416,074; Aug. 28; Serial No. 460,218; published Oct. 19, 1943. Class 27.

Pacific Mills, New York, N. Y. Cotton piece goods. 416,118–21; Aug. 28; Serial Nos. 479,946–9; published June 19, 1945. Class 42.

Parfumerie Monpelas, Steinfels & Compagnie, S. a. r. l.: *See*—
Steinfels Frères.

Parker Brothers, Portland, Maine, and Salem, to Parker Brothers, Incorporated, Salem, Mass. Games. 202,970; renewed Sept. 8, 1945. O. G. Aug. 28. Class 22.

Parker Brothers, Incorporated: *See*—
Parker Brothers.

Peerless Sales Company, Chicago, Ill. Games. 416,100; Aug. 28; Serial No. 476,480; published June 19, 1945. Class 22.

Penick, S. B., & Company: *See*—
Lloyd Bros., assignor.

Penn Leather Company, Philadelphia, Pa. Leather soles, taps, and slip soles. 205,548; renewed Nov. 10, 1945. O. G. Aug. 28. Class 39.

Pierce, S. S., Co., Boston, Mass. Cigarettes. 47,549; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 17.

Pierce, S. S., Co., Boston, Mass. Cigars. 47,704; re-renewed Nov. 14, 1945. O. G. Aug. 28. Class 17.

Portland Packing Co.: *See*—
Portland Packing Company, assignor.

Portland Packing Company, assignor to Portland Packing Co., Portland, Maine. Canned corn, canned succotash, canned baked beans, etc. 47,493–5; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 46.

Portner, Paul E., Marietta, Pa. Detergent. 416,169; Aug. 28. Class 4.

Prime-Miller Petroleum Company, to A. W. Lee, doing business as A. W. Lee Oil Co., Oklahoma City, Okla., successor. Lubricating oil and gasoline. 205,321; renewed Nov. 3, 1945. O. G. Aug. 28. Class 15.

Printz Biederman Co., The, Cleveland, Ohio. Ladies' and misses' outer apparel. 205,843; renewed Nov. 17, 1945. O. G. Aug. 28. Class 39.

Printz, Glenn E., doing business as Printz Electric Company, Detroit, Mich. Magnetic chucks, magnetic parallels, electric demagnetizers, etc. 416,073; Aug. 28; Serial No. 452,836; published Oct. 20, 1942. Class 21.

Rainbow Art Company, The, Huntington, W. Va. Glass tableware. 416,902; Aug. 28; Serial No. 473,338; published June 12, 1945. Class 33.

Reeves Brothers, Inc., New York, N. Y. Cotton piece goods. 416,173; Aug. 28. Class 42.

Rex Co., Inc., The, Cambridge, Mass. Plastic composition in the form of sheets. 416,122; Aug. 28; Serial No. 480,088; published June 12, 1945. Class 50.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Flushing oils for motors. 203,229; renewed Sept. 15, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Gasoline. 203,406; renewed Sept. 15, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils. 203,661–4; renewed Sept. 22, 1945. O. G. Aug. 28. Class 15.

Richfield Oil Corporation: *See*—
Richfield Oil Company, assignor.

Riley, Cusack M., doing business as Lake Manufacturing Company, to Cusack M. Riley, Minneapolis, Minn. Hydrocarbon dry cleaner and spot remover. 199,544; renewed June 9, 1945. O. G. Aug. 28. Class 4.

Rubin, Herbert, doing business as Novell, New York, N. Y. Lamps containing liquid which when burned creates a deodorizing effect. 416,115; Aug. 28; Serial No. 479,602; published June 19, 1945. Class 50.

S. S. S. Co.: *See*—
Swift Specific Co., The.

Salz Brothers, Inc., New York, N. Y. Fountain pens and pencils and pen and pencil sets. 416,140; Aug. 28; Serial No. 481,248; published June 19, 1945. Class 37.

Sampeck Clothes, Inc., New York, N. Y., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Suits and coats for men and boys. 200,104; renewed June 23, 1945. O. G. 28. Class 39.

Sampeck Clothes Inc., New York, N. Y., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Woolen fabrics. 201,939; renewed Aug. 11, 1945. O. G. Aug. 28. Class 42.

Sargeant Acnoid Pharmaceutical Co., Inc.: *See*—
Sargeant, Mortimer W., assignor.

Sargeant, Mortimer W., assignor to Sargeant Acnoid-Pharmaceutical Co., Inc., East Orange, N. J. Hand lotion. 200,442; renewed June 30, 1945. O. G. Aug. 28. Class 6.

Schreiber Wallach Company, The, Cleveland, Ohio. Children's and misses' dresses. 204,737; renewed Oct. 27, 1945. O. G. Aug. 28. Class 39.

Schwannecke, F. A., Inc., assignor to Frederick A. Schwannecke, assignor, by mesne assignments, to Heather Company, New York, N. Y. Compacts, lipsticks, rouge, etc. 202,126; renewed Aug. 18, 1945. O. G. Aug. 28. Class 6.

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Tamny, Sol.

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Tide Water Oil Company, assignor.

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Wallace, Scott & Co., Limited, Glasgow, Scotland. Men's jackets and men's waistcoats. 203,752; renewed Sept. 22, 1945. O. G. Aug. 28. Class 39.

Waterman, L. E., Company, New York, N. Y. Fountain pens and parts thereof. 416,128; Aug. 28; Serial No. 480,359; published June 19, 1945. Class 37.

Weldon Roberts Rubber Company, Newark, N. J. Rubber erasers. 201,340; renewed July 21, 1945. O. G. Aug. 28. Class 37.

Western Auto Supply Company, Kansas City, Mo. Flock feeders and poultry fountains. 416,093; Aug. 28; Serial No. 474,305; published June 19, 1945. Class 50.

White, R. H., Company, Boston, Mass. Boys' suits, boys' hats and caps, blouses, etc. 416,171; Aug. 28. Class 39.

Whittle & Mutch, Inc., Philadelphia, Pa. Nonalcoholic, noncereal, maltless beverages. 205,266; renewed Nov. 3, 1945. O. G. Aug. 28. Class 45.

Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machines, sewing machine parts and attachments. 416,145; Aug. 28; Serial No. 481,683; published June 19, 1945. Class 23.

Williams, C. U., & Son, assignor, by mesne assignments, to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Liquid-fuel-burning devices. 199,644; renewed June 16, 1945. O. G. Aug. 28. Class 34.

Williams Oil-O-Matic Heating Corporation: *See*—
Williams, C. U., & Son, assignor.

Willmann Paper Co. Inc.: *See*—
Willmann, William G.

Willmann, William G., to Wm. G. Willmann Paper Co. Inc., New York, N. Y., successor. Writing-paper. 47,443; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 37.

Willow Shirt and Underwear Corporation, The, New Haven, Conn. Men's and boys' dress shirts. 416,180; Aug. 28. Class 39.

Wilson Chemical Company, The: *See*—
Wilson, George C., assignor.

Wilson, George C., assignor to The Wilson Chemical Company, Tyrone, Pa. Salves for the treatment of the skin. 47,467; re-renewed Nov. 7, 1945. O. G. Aug. 28. Class 6.

Woburn Chemical Corp. (N. J.), Kearny, N. J. Drying oil for paints and varnishes. 416,159; Aug. 28. Class 16.

Woodworth, N. A., Company, Ferndale, Mich. Plug gages, thread gages, ring gages, etc. 416,113; Aug. 28; Serial No. 479,320; published June 19, 1945. Class 26.

Yum Chemical Company, Incorporated, Brooklyn, assignor, by mesne assignments, to Morgan-Sabalol Products, Inc., New York, N. Y. Remedy for headaches, neuralgia and colds. 204,926; renewed Oct. 27, 1945. O. G. Aug. 28. Class 6.

Z. & Z. Manufacturing Co., New York, N. Y. Blouses, slack suits, play suits, etc. 416,149; Aug. 28. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. C. W. Hendley & Company, Incorporated. 205,008; renewed Oct. 27, 1945. O. G. Aug. 28.

Grass-seeds, grain-seeds, timothy-seed, etc. Albert Dickinson Company. 47,414–17; re-renewed Nov. 7, 1945. O. G. Aug. 28.

Leather in its natural and manufactured states, sole leather, automobile upholstery, etc. American Oak Leather Co. 204,931; renewed Oct. 27, 1945. O. G. Aug. 28.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 416,142; Aug. 28; Serial No. 481,593; published June 19, 1945.

CLASS 4

Cleaner and spot remover, Hydrocarbon dry. C. M. Riley. 199,544; renewed June 9, 1945. O. G. Aug. 28.

Cleansing compounds and detergents, Liquid. Standard Oil Company (New Jersey). 204,957; renewed Oct. 27, 1945. O. G. Aug. 28.

Cleansing compounds and detergents, Liquid. Standard Oil Company (New Jersey). 204,989–10; renewed Oct. 27, 1945. O. G. Aug. 28.

Detergent. P. E. Portner. 416,169; Aug. 28.

Floor-dressing. S. S. Selig, Jr. 47,339; re-renewed Oct. 31, 1945. O. G. Aug. 28.

Soaps. Steinfels Frères. 160,300–2; renewed Oct. 17, 1942. O. G. Aug. 28.

CLASS 5

Glues and adhesive cements. Marstin Adhesive Company. 204,464; renewed Oct. 20, 1945. O. G. Aug. 28.

CLASS 6

Antispasmodics. Schweiz. Serum- & Imprinstitut Bern. 188,548; renewed Aug. 26, 1944. O. G. Aug. 28.
Astringents, astringent cerates, bleach creams, etc. Elmo, Inc. 198,810; renewed May 26, 1945. O. G. Aug. 28.
Baking-soda. Morehouse Mfg. Co. 46,392; re-renewed Sept. 19, 1945. O. G. Aug. 28.
Carbonating-powder. Church & Dwight Company. 47,448; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Cauterizing preparation. Schweiz. Serum- & Impfinstitut Bern. 198,912; renewed May 26, 1945. O. G. Aug. 28.
Compacts, lipsticks, rouge, etc. F. A. Schwannecke, Inc. 202,126; renewed Aug. 18, 1945. O. G. Aug. 28.
Cream, Cold. J. D. McCann Company. 204,562; renewed Oct. 20, 1945. O. G. Aug. 28.
Lipsticks, powder, and rouge. Delica Laboratories, Inc. 202,190; renewed Aug. 18, 1945. O. G. Aug. 28.
Lotion, Hand. M. W. Sargeant. 200,442; renewed June 30, 1945. O. G. Aug. 28.
Lotion, Skin. Sutho Co. 200,274; renewed June 30, 1945. O. G. Aug. 28.
Medicines, Certain proprietary. Hollings-Smith Company, Inc. 204,473; renewed Oct. 20, 1945. O. G. Aug. 28.
Perfumeries, sachet powders, and cosmetics. Steinfels Frères. 153,721–3; renewed Mar. 28, 1942. O. G. Aug. 28.
Pharmaceutical preparation. Lloyd Bros. 47,458; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Preparation for the treatment of the ordinary curable ailments. Dr. Kilmer & Co. 204,304; renewed Oct. 13, 1945. O. G. Aug. 28.
Preparation for the treatment of the ordinary curable ailments of the kidneys, liver, etc. Dr. Kilmer & Co. 205,573; renewed Nov. 10, 1945. O. G. Aug. 28.
Preparations for the treatment of coughs, colds, etc. Dr. Kilmer & Co. 205,571–2; renewed Nov. 10, 1945. O. G. Aug. 28.
Preparations for the treatment of headache, drowsiness, torpid liver, etc. Dr. Kilmer & Co. 205,500; renewed Nov. 10, 1945. O. G. Aug. 28.
Remedy for headaches, neuralgia and colds. Yum Chemical Company, Incorporated. 204,926; renewed Oct. 27, 1945. O. G. Aug. 28.
Remedy for the cure of all blood and skin diseases, etc. Swift Specific Co. 45,172; re-renewed Aug. 8, 1945. O. G. Aug. 28.
Salves for treatment of the skin. G. C. Wilson. 47,467; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Starch, Laundry. J. C. Hubinger Bros. Company. 205,630; renewed Nov. 10, 1945. O. G. Aug. 28.
Toilet preparation, Deodorizing. H. K. Mulford Company. 198,799; renewed May 26, 1945. O. G. Aug. 28.
Tonic, Hair. J. Carrozza. 205,796; renewed Nov. 17, 1945. O. G. Aug. 28.
Welding plates, welding powders, and brazing and tempering powders. Société des Plaques et Poudres A Souder J. Laffitte. 159,105; renewed Sept. 19, 1942. O. G. Aug. 28.

CLASS 12

Asphaltum. C. P. Hall. 205,178; renewed Nov. 3, 1945. O. G. Aug. 28.
Cement, materials used for waterproofing, hardening, frostproofing, etc., Colored. Master Builders Company. 203,180; renewed Sept. 15, 1945. O. G. Aug. 28.
Cement, Portland. Atlas Portland Cement Company. 46,057–8; renewed Sept. 5, 1945. O. G. Aug. 28.
Mastic material. Tremco Manufacturing Company. 416,152; Aug. 28.
Plastic composition. L. A. Jagerson. 416,172; Aug. 28.
Pruning and grafting compounds. Walter E. Clark & Son. 416,163; Aug. 28.
Treads, Stair. Hendrick Manufacturing Company. 204,633; renewed Oct. 20, 1945. O. G. Aug. 28.

CLASS 13

Bellows of metal. Cook Electric Company. 416,090; Aug. 28; Serial No. 472,141; published June 5, 1945.
Chains made of iron and steel. Carroll Chain Company. 205,850; renewed Nov. 17, 1945. O. G. Aug. 28.
Couplings, Hose. Anchor Coupling Company. 416,088; Aug. 28; Serial No. 470,431; published June 12, 1945.
Cylinders and valves, Hydraulic. Bendix Aviation Corporation. 416,099; Aug. 28; Serial No. 476,457; published June 12, 1945.
Hooks, Hoisting cargo. American Chain Ladder Co., Inc. 416,125; Aug. 28; Serial No. 480,307; published June 5, 1945.

CLASS 14

Ground steel stock, punch plates, stripper plates, etc. Tool Craft Company. 416,166; Aug. 28.
Steel, Tool. Heller Brothers Company. 201,643; renewed Aug. 4, 1945. O. G. Aug. 28.

CLASS 15

Fuels, Motor. Standard Oil Company of California. 416,133; Aug. 28; Serial No. 480,844; published June 19, 1945.
Fuels, Motor. Standard Oil Company of California. 416,135; Aug. 28; Serial No. 481,031; published June 19, 1945.
Gasoline. Richfield Oil Company. 203,406; renewed Sept. 15, 1945. O. G. Aug. 28.
Oil adapted for use as a lubricator, a polisher, a preserver, etc. G. W. Cole Company. 47,021; re-renewed Oct. 17, 1945. O. G. Aug. 28.
Oil and gasoline, Lubricating. Prime-Miller Petroleum Company. 205,321; renewed Nov. 3, 1945. O. G. Aug. 28.
Oil for motors, Flushing. Richfield Oil Company. 203,229; renewed Sept. 15, 1945. O. G. Aug. 28.
Oils and greases, Lubricating. Monarch Manufacturing Company. 261,284; renewed July 21, 1945. O. G. Aug. 28.
Oils, greases, and compounds, Lubricating. Caspar Lubricants, Incorporated. 205,344; renewed Nov. 3, 1945. O. G. Aug. 28.
Oils, Lubricating. Richfield Oil Company. 203,661–4; renewed Sept. 22, 1945. O. G. Aug. 28.
Oils, Lubricating. Tide Water Oil Company. 200,719; renewed July 7, 1945. O. G. Aug. 28.

CLASS 16

Floor-dressing. S. S. Selig, Jr. 47,339; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Oil for paints and varnishes, Drying. Woburn Chemical Corp. (N. J.). 416,159; Aug. 28.
Paints and paint enamels, coloring pigments, etc., Dry, paste, and ready-mixed. Master Builders Company. 203,394; renewed Sept. 15, 1945. O. G. Aug. 28.
Varnishes. American Varnish Company. 47,642; re-renewed Nov. 14, 1945. O. G. Aug. 28.

CLASS 17

Cigarettes. S. S. Pierce Co. 47,549; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Cigars and stogies. M. Marsh & Son. 47,045; re-renewed Oct. 24, 1945. O. G. Aug. 28.
Cigars. S. S. Pierce Co. 47,704; re-renewed Nov. 14, 1945. O. G. Aug. 28.
Cigars. Odence Manufacturing Co. 416,134; Aug. 28; Serial No. 480,921; published June 19, 1945.

CLASS 19

Aeroplanes and aeroplane structural parts. Timm Aircraft Corporation. 416,072; Aug. 28; Serial No. 450,035; published May 26, 1942.
Airplanes. Consolidated Vultee Aircraft Corporation. 416,105; Aug. 28; Serial No. 477,259; published June 19, 1945.
Airplanes and structural parts thereof. Consolidated Vultee Aircraft Corporation. 416,112; Aug. 28; Serial No. 479,112; published June 19, 1945.
Trucks and trailer trucks, Hand. Mercury Manufacturing Company. 416,103; Aug. 28; Serial No. 476,920; published June 19, 1945.

CLASS 21

Batteries and radio storage batteries, Automobile storage. General Storage Battery Co. 200,009; renewed June 23, 1945. O. G. Aug. 28.
Batteries, Electric. National Carbon Company, Inc. 205,274; renewed Nov. 10, 1945. O. G. Aug. 28.
Cables for brushes, Stranded shunt. National Carbon Company, Inc. 205,429; renewed Nov. 10, 1945. O. G. Aug. 28.
Electric space heaters, Portable. Trilling and Montague. 416,109; Aug. 28; Serial No. 478,981; published June 19, 1945.
Insulating units, Mica. New England Mica Co. 204,454; renewed Oct. 20, 1945. O. G. Aug. 28.
Magnetic chucks, magnetic parallels, electric demagnetizers, etc. G. E. Printz. 416,073; Aug. 28; Serial No. 452,836; published Oct. 20, 1942.
Mica insulating units. New England Mica Co. 203,086; renewed Sept. 8, 1945. O. G. Aug. 28.
Radio tubes. Slater Electric & Mfg. Co. 416,081; Aug. 28; Serial No. 468,904; published June 19, 1945.
Radios and parts thereof. Firestone Tire & Rubber Company. 416,071; Aug. 28; Serial No. 432,937; published Sept. 17, 1940.
Sockets and receptacles for electric lamps and plugs, electric plugs therefor, etc. Bryant Electric Company. 45,880; re-renewed Aug. 29, 1945. O. G. Aug. 28.
Spark plugs. Motor Master Products Corporation. 416,143; Aug. 28; Serial No. 481,644; published June 19, 1945.
Spark plugs. Motor Master Products Corporation. 416,144; Aug. 28; Serial No. 481,673; published June 19, 1945.

CLASS 22

Bats, Baseball. Hillerich & Bradsby Co. 205,317–19; renewed Nov. 3, 1945. O. G. Aug. 28.
Board game. J. W. Champion. 416,089; Aug. 28; Serial No. 471,550; published June 19, 1945.

Cards, Playing. New York Consolidated Card Company. 47,550; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Elephant caricature toy. Firestone Tire & Rubber Company. 416,084; Aug. 28; Serial No. 469,253; published June 19, 1945.
Games. Parker Brothers. 202,970; renewed Sept. 8, 1945. O. G. Aug. 28.
Games. Peerless Sales Company. 416,100; Aug. 28; Serial No. 476,480; published June 19, 1945.
Giraffe caricature toy. Firestone Tire & Rubber Company. 416,083; Aug. 28; Serial No. 469,252; published June 19, 1945.
Squirrel caricature toy. Firestone Tire & Rubber Company. 416,085; Aug. 28; Serial No. 469,254; published June 19, 1945.
Toy airplanes and controls therefor. American Junior Aircraft Company. 416,182; Aug. 28.
Toy tracing sets. N. S. Stahl. 416,123; Aug. 28; Serial No. 480,147; published June 19, 1945.
Toys made of plastic material. Ardee Plastics Company, Inc. 416,130; Aug. 28; Serial No. 480,493; published June 19, 1945.

CLASS 23

Axes. Simmons Hardware Co. 47,375; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Cutting implements of the machete type, Edge. Victor Tool Company. 416,087; Aug. 28; Serial No. 470,089; published June 19, 1945.
Digging, grading, surface modifying, etc., equipment. F. W. F. Corporation. 416,106; Aug. 28; Serial No. 477,762; published June 19, 1945.
Duplicating machines. Ditto, Incorporated. 204,497; renewed Oct. 20, 1945. O. G. Aug. 28.
Grading and leveling implements, Earth. Marvin Landplane Co. 416,114; Aug. 28; Serial No. 479,523; published June 19, 1945.
Hoists and hand operated trolleys, Hand operated chain. Chester Manufacturing Company. 416,174; Aug. 28.
Sewing machines, sewing machine parts, and attachments. Willcox & Gibbs Sewing Machine Company. 416,145; Aug. 28; Serial No. 481,683; published June 19, 1945.

CLASS 26

Altimeters. Bendix Aviation Corporation. 416,136; Aug. 28; Serial No. 481,051; published June 19, 1945.
Compasses and parts and accessories therefor, Magnetic. Dirigo Compass and Instrument Cooperative Association. 416,104; Aug. 28; Serial No. 477,005; published June 19, 1945.
Gages, thread gages, ring gages, etc., Plug. N. A. Woodworth Company. 416,113; Aug. 28; Serial No. 479,320; published June 19, 1945.
Patterns, Paper dress. Street & Smith Publications, Inc. 416,078; Aug. 28; Serial No. 467,547; published June 12, 1945.
Platform or support which is resiliently mounted and absorbs vibration. Fisher Scientific Company. 416,141; Aug. 28; Serial No. 481,280; published June 19, 1945.
Screens, Projector. Musebeck Shoe Company. 416,076; Aug. 28; Serial No. 465,005; published Feb. 20, 1945.
Weighing machines. Triangle Package Machinery Company. 416,101; Aug. 28; Serial No. 476,650; published June 12, 1945.

CLASS 27

Watches. J. Klein and J. Muller. 416,132; Aug. 28; Serial No. 480,772; published June 19, 1945.
Watches. E. Leichter. 416,129; Aug. 28; Serial No. 480,461; published June 19, 1945.
Watches and clocks and parts of watches and clocks. Oris Watch Co. Ltd. 416,074; Aug. 28; Serial No. 460,218; published Oct. 19, 1943.
Watches, watch dials, watch movements, etc. Accro Bond Watch Company. 204,635; renewed Oct. 20, 1945. O. G. Aug. 28.

CLASS 28

Chain made of precious metals. Universal Chain Co., Inc. 416,108; Aug. 28; Serial No. 478,062; published June 19, 1945.
Jewelry (not including watches), Men's and ladies'. M. Hoffman. 416,079; Aug. 28; Serial No. 467,973; published June 19, 1945.
Necklaces, rings, earrings, etc. W. & R. Jewelry Co. Inc. 416,097; Aug. 28; Serial No. 475,990; published June 19, 1945.
Silverware, Table. Towle Manufacturing Company. 47,551; re-renewed Nov. 7, 1945. O. G. Aug. 28.

CLASS 31

Papers, Filter. H. E. Jacoby. 416,137; Aug. 28; Serial No. 481,112; published June 19, 1945.

CLASS 32

Cabinets, Filing. Art Steel Sales Corporation. 416,126–7; Aug. 28; Serial Nos. 480,308–9; published June 19, 1945.
Cabinets, stands for visible record equipment, and visible record brackets, Visible record. Acme Visible Records, Inc. 416,124; Aug. 28; Serial No. 480,220; published June 19, 1934.
Chairs for domestic use. S. Belz. 416,131; Aug. 28; Serial No. 480,557; published June 19, 1945.

CLASS 33

Tableware, Glass. Rainbow Art Company. 416,902; Aug. 28; Serial No. 473,338; published June 12, 1945.

CLASS 34

Candlesticks; lamp stands, bases, and uprights; etc. Bakelite Corporation. 205,608; renewed Nov. 10, 1945. O. G. Aug. 28.
Furnaces, Portable liquid-fuel-burning. Cedarberg Manufacturing Company. 416,168; Aug. 28.
Humidifying and deodorizing units, Air. Anderson-Stolz Pharmaceuticals, Inc. 416,153; Aug. 28.
Liquid-fuel-burning devices. C. U. Williams & Son. 199,644; renewed June 16, 1945. O. G. Aug. 28.
Separators, Centrifugal. Logan Engineering Co. 416,146; Aug. 28.

CLASS 35

Vehicle-tires, Rubber. Goodyear Tire & Rubber Company. 46,530–3; re-renewed Sept. 26, 1945. O. G. Aug. 28.

CLASS 36

Records, Phonograph. Boris Morros Music Co. 416,102; Aug. 28; Serial No. 476,692; published Apr. 3, 1945.

CLASS 37

Binding devices, Ring-type. General Binding Corporation. 416,095; Aug. 28; Serial No. 475,362; published June 19, 1945.
Board, Bristol. Strathmore Paper Company. 205,902; renewed Nov. 17, 1945. O. G. Aug. 28.
Erasers, Rubber. Weldon Roberts Rubber Company. 201,340; renewed July 21, 1945. O. G. Aug. 28.
Paper and mailing envelopes, Writing. Z. & W. M. Crane, Inc. 205,893; renewed Nov. 17, 1945. O. G. Aug. 28.
Paper products. Viking Paper Co. Inc. 416,107; Aug. 28; Serial No. 477,829; published June 19, 1945.
Papers, Bond and ledger. Lee Paper Company. 202,309; renewed Aug. 18, 1945. O. G. Aug. 28.
Pens and parts thereof, Fountain. L. E. Waterman Company. 416,128; Aug. 28; Serial No. 480,359; published June 19, 1945.
Pens and pencils and pen and pencil sets, Fountain. Salz Brothers, Inc. 416,140; Aug. 28; Serial No. 481,248; published June 19, 1945.
Registers and similar recording machines, Autographic. American Sales Book Company, Inc. 416,091; Aug. 28; Serial No. 472,496; published June 19, 1945.
Writing-paper. W. G. Willmann. 47,443; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Writing-paper and envelopes. Southworth Company. 47,085; re-renewed Oct. 24, 1945. O. G. Aug. 28.

CLASS 38

Magazine, Monthly. Ohio Federation of Women's Clubs. 205,235; renewed Nov. 3, 1945. O. G. Aug. 28.
Periodicals. Orange Judd Company. 46,136; re-renewed Sept. 5, 1945. O. G. Aug. 28.

CLASS 39

Apparel, Ladies' and misses' outer. Printz Biederman Co. 205,843; renewed Nov. 17, 1945. O. G. Aug. 28.
Blouses, dresses, and skirts, Children's. Longwood Manufacturing Co. 416,158; Aug. 28.
Blouses, slack suits, play suits, etc. Z. & Z. Manufacturing Co. 416,149; Aug. 28.
Boots and shoes for men and women. Stetson Shoe Company, Inc. 203,516; renewed Sept. 22, 1945. O. G. Aug. 28.
Chambray, gingham, laces, etc. Higginbotham-Bailey-Logan Company. 202,544; renewed Aug. 25, 1945. O. G. Aug. 28.
Clothing, Men's. McManus & Riley, Inc. 416,175; Aug. 28.
Coats and suits, Ladies' and misses'. Matlin Cloak & Suit Co., Inc. 416,167; Aug. 28.
Coats, suits, and dresses, Girls'. R. H. Macy & Co., Inc. 204,713–14; renewed Oct. 20, 1945. O. G. Aug. 28.
Coats, suits, jackets, topcoats, overcoats, Men's and boys'. S. Tamny. 416,178; Aug. 28.
Corsets. Strawbridge & Clothier. 47,685; re-renewed Nov. 14, 1945. O. G. Aug. 28.
Dresses and nurses' and maids' uniforms. Jacobs Brothers. 193,628; renewed Jan. 6, 1945. O. G. Aug. 28.
Dresses, Children's and misses'. Schreiber Wallach Company. 204,737; renewed Oct. 27, 1945. O. G. Aug. 28.
Gloves. Frederick Loeser & Co. 47,007; re-renewed Oct. 17, 1945. O. G. Aug. 28.
Gloves, Men's, women's, and children's. Superb Glove Company. 416,165; Aug. 28.
Gowns, and dresses and suits, Women's and misses', Evening. Martini Frocks. 416,177; Aug. 28.
Hats, stiff felt hats, and velour hats, Men's soft felt. Murphy-Gorman Company. 204,040; renewed Oct. 6, 1945. O. G. Aug. 28.
Hats, Women's. Emporium World Millinery Company. 416,155–6; Aug. 28.
Hats, Women's, misses', and girls'. Everitt Hat Company. 416,157; Aug. 28.

Heel insert, Shaped. Gotham Silk Hosiery Co. Inc. 205,543; renewed Nov. 10, 1945. O. G. Aug. 28.
Hosiery. May Department Stores Company. 205,746; renewed Nov. 17, 1945. O. G. Aug. 28.
Hosiery and underwear, Knit. M. & C. Mayer. 47,043; re-renewed Oct. 24, 1945. O. G. Aug. 28.
Hosiery, Ladies' and men's full-fashioned. Nebel Knitting Company. 203,936; renewed Sept. 29, 1945. O. G. Aug. 28.
Jackets and men's waistcoats, Men's. Wallace, Scott & Co., Limited. 203,752; renewed Sept. 22, 1945. O. G. Aug. 28.
Neckties and bow ties. S. Sherman. 416,154; Aug. 28.
Neckties and cravats. Hut Neckwear Co. Inc. 416,160; Aug. 28.
Robes, Bath. F. C. Huyck & Sons. 203,383; renewed Sept. 15, 1945. O. G. Aug. 28.
Shirts, Men's. R. H. Macy & Co., Inc. 204,157; renewed Oct. 6, 1945. O. G. Aug. 28.
Shirts, Men's and boys' dress. Willow Shirt and Underwear Corporation. 416,180; Aug. 28.
Shirts, negligee shirts, and sport shirts, Men's and boys' dress. Jessel & Di Iuglio. 416,176; Aug. 28.
Shoes, Men's leather. R. H. Macy & Co., Inc. 202,752; renewed Sept. 1, 1945. O. G. Aug. 28.
Shoes, Women's and children's. J. S. Kamborian. 416,151; Aug. 28.
Slips, Women's. Louis Herman & Company. 416,148; Aug. 28.
Soles, taps, and slip soles, Leather. Penn Leather Company. 205,548; renewed Nov. 10, 1945. O. G. Aug. 28.
Stockings and socks. D. Byford and Co. Limited. 416,164; Aug. 28.
Suits and coats for men and boys. Sampeck Clothes, Inc. 200,104; renewed June 23, 1945. O. G. Aug. 28.
Suits, boys' hats and caps, blouses, etc., Boys'. R. H. White Company. 416,171; Aug. 28.
Suits, top coats, and overcoats, Girls', misses', and women's. Bond Stores, Incorporated. 416,147; Aug. 28.
Undergarments, Women's and misses'. Manhattan Undergarment Co., Inc. 416,181; Aug. 28.
Underwear, Women's. J. L. Hudson Company. 205,698; renewed Nov. 17, 1945. O. G. Aug. 28.

CLASS 40

Shields, Dress. Marshall Field & Company. 205,701; renewed Nov. 17, 1945. O. G. Aug. 28.

CLASS 42

Chambray, gingham, laces, etc. Higginbotham-Bailey-Logan Company. 202,544; renewed Aug. 25, 1945. O. G. Aug. 28.
Cotton piece goods. Pacific Mills. 416,118–21; Aug. 28; Serial Nos. 479,946–9; published June 19, 1945.
Cotton piece goods. Reeves Brothers, Inc. 416,173; Aug. 28.
Piece goods of cotton, rayon and/or combinations thereof. Cohn-Hall Marx Co. 416,111; Aug. 28; Serial No. 479,029; published June 19, 1945.
Rayon piece goods. Lincoln Fabrics Co. 416,116; Aug. 28; Serial No. 479,749; published June 19, 1945.
Silk crêpe in the piece. Garfinkel & Ritter. 203,040; renewed Sept. 8, 1945. O. G. Aug. 28.
Silk fabrics in the piece, Pure and artificial. Heminway Silk Co. 205,198; renewed Nov. 3, 1945. O. G. Aug. 28.
Woolen, cotton, and rayon piece goods. Peter Freuns Knitting Mills. 416,096; Aug. 28; Serial No. 475,949; published June 19, 1945.
Woolen fabrics. Sampeck Clothes, Inc. 201,939; renewed Aug. 11, 1945. O. G. Aug. 28.

CLASS 43

Yarns. R. H. Macy & Co., Inc. 204,630; renewed Oct. 20, 1945. O. G. Aug. 28.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Whittle & Mutch, Inc. 205,266; renewed Nov. 3, 1945. O. G. Aug. 28.
Sirup, Nonalcoholic maltless compound. Hurty-Peck & Co. 205,804; renewed Nov. 17, 1945. O. G. Aug. 28.

CLASS 46

Beans, Baked. Joseph Campbell Company. 47,154; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Biscuits, sugar wafers, cakes, etc. Bremner Bros. 204,087; renewed Oct. 6, 1945. O. G. Aug. 28.
Breakfast cereal mix. Dry-Pack Corporation. 416,138; Aug. 28; Serial No. 481,135; published June 19, 1945.
Butter, Fruit. Goodwin Preserving Co., Incorporated. 416,170; Aug. 28.
Candy. Chandler and Rudd Company. 204,051; renewed Oct. 6, 1945. O. G. Aug. 28.
Candy. Shotwell Mfg. Co. 416,086; Aug. 28; Serial No. 469,973; published June 19, 1945.
Canned corn, canned succotash, canned baked beans, etc. Portland Packing Company. 47,493–5; re-renewed Nov. 7, 1945. O. G. Aug. 28.
Canned fruits, canned berries and canned vegetables, etc. Fassett & Company. 205,763; renewed Nov. 17, 1945. O. G. Aug. 28.
Canned peas, canned lima beans, canned tomatoes, etc. H. C. Draper. 201,523; renewed July 28, 1945. O. G. Aug. 28.
Canned vegetables. Swing Brothers. 203,847–8; renewed Sept. 29, 1945. O. G. Aug. 28.
Catchup and tomato catchup, Tabasco. Joseph Campbell Company. 47,276; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Cereal breakfast foods. Kellogg Company. 416,094; Aug. 28; Serial No. 474,910; published June 19, 1945.
Chocolate and bonbons. Ammon E. Cramer. 205,883; renewed Nov. 17, 1945. O. G. Aug. 28.
Chow chow, dill pickles, vinegar pickles, etc. Liebowitz Pickle Products. 416,179; Aug. 28.
Coconut, Prepared. Franklin Baker Company. 204,582–3; renewed Oct. 20, 1945. O. G. Aug. 28.
Coffee. Greek-Arabian Coffee Co., Inc. 416,082; Aug. 28; Serial No. 469,010; published June 19, 1945.
Coffee. Logan Brothers Company. 202,449; renewed Aug. 25, 1945. O. G. Aug. 28.
Cookies, candy, sandwiches, etc. T. M. Hoyle. 416,161; Aug. 28.
Fillets, toasted fillets, salt codfish, etc., Haddock. Bay State Fishing Company. 202,461; renewed Aug. 25, 1945. O. G. Aug. 28.
Flavorings, Non-alcoholic industrial fluid. Lyons-Magnus, Incorporated. 416,077; Aug. 28; Serial No. 466,202; published June 19, 1945.
Flour, feeds for live stock, middlings, etc., Wheat. Warner, Moore & Co. 201,962; renewed Aug. 11, 1945. O. G. Aug. 28.
Flour, Wheat. Fuhrer-Ford Milling Co. 204,013; renewed Oct. 6, 1945. O. G. Aug. 28.
Food product. I. F. Laucks, Inc. 416,075; Aug. 28; Serial No. 463,524; published June 19, 1945.
Garlic, Pure dehydrated. J. E. Hill & Company. 416,080; Aug. 28; Serial No. 468,674; published June 12, 1945.
Gum, Chewing. Shelby Gum Company. 205,950; renewed Nov. 17, 1945. O. G. Aug. 28.
Jams, peanut butter, salad dressing and salad relish. Bama Company. 416,139; Aug. 28; Serial No. 481,205; published June 12, 1945.
Mince-meat. Joseph Campbell Company. 47,155; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Oil, Olive. Hochheiser & Weisberg Inc. 205,782; renewed Nov. 17, 1945. O. G. Aug. 28.
Popcorn. Albert Dickinson Company. 47,313; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Popcorn. Albert Dickinson Company. 47,341–3; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Powder, Baking. Jaques Manufacturing Company. 205,174–6; renewed Nov. 3, 1945. O. G. Aug. 28.
Sauce, tabasco sauce, and salad-dressing, Chilli. Joseph Campbell Company. 47,275; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Soups and a preparation containing malted milk, etc., Vitamin fortified. American Dietaids Company, Inc. 416,150; Aug. 28.
Soups, Condensed. Joseph Campbell Company. 47,153; re-renewed Oct. 31, 1945. O. G. Aug. 28.
Vegetables and melons, Fresh. H. M. Corey. 416,162; Aug. 28.
Vegetables, Fresh. T. J. Matulich. 416,183; Aug. 28.
Wheat-flour. Crescent Mill & Elevator Company. 45,561; re-renewed Aug. 22, 1945. O. G. Aug. 28.
Wheat-flour. Hungarian Milling & Elevator Company. 45,493; re-renewed Aug. 22, 1945. O. G. Aug. 28.
Wheat semolina and flour and malt and alimentary paste, etc. Minetta & Cia. Ltda, Sociedad Anonima Industrial y Comercial. 416,098; Aug. 28; Serial No. 476,335; published June 19, 1945.

CLASS 48

Extract, Malt. Life Savers, Inc. 204,268; renewed Oct. 13, 1945. O. G. Aug. 28.

CLASS 50

Feeders and poultry fountains, Flock. Western Auto Supply Company. 416,093; Aug. 28; Serial No. 474,305; published June 19, 1945.
Lamps containing liquid which when burned creates a deodorizing effect. H. Rubin. 416,115; Aug. 28; Serial No. 479,602; published June 19, 1945.
Panes of glass, Transparent. Heath Company. 416,109; Aug. 28; Serial No. 478,581; published June 5, 1945.
Plastic composition in the form of sheets. Rex Co., Inc. 416,122; Aug. 28; Serial No. 480,088; published June 12, 1945.
Tread material composed essentially of a cloth base coated with an abrasive resin composition. American Abrasive Metals Company. 416,117; Aug. 28; Serial No. 479,763; published June 5, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Finch, Harry de V.: *See*—
Morris, R. C., and Finch.
Millar, John A., assignor to R. G. Millar, East Orange, N. J. Astronomical instrument. Re. 22,670; Aug. 28.
Millar, Ruth G.: *See*—
Millar, John A., assignor.
Morris, Rupert C., and H. de V. Finch, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of diolefins. Re. 22,671; Aug. 28.
Radio Corporation of America: *See*—
Shumard, Charles C., assignor.
Shell Development Company: *See*—
Morris, R. C., and Finch, assignors.
Shumard, Charles C., Moorestown, N. J., assignor to Radio Corporation of America. Electronic switching system. Re. 22,672; Aug. 28.

LIST OF PLANT PATENTEES

Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Apple tree. 659; Aug. 28.
Roeding, George C., Jr.: *See*—
Etter, Albert F., assignor.

LIST OF DESIGN PATENTEES

American Optical Company: *See*—
Eaton, William C., assignor.
Arbib, Richard H., Jamaica, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Aeronautical bomb. 142,293; Aug. 28.
Associated Distributors, Inc.: *See*—
McPharlin, Paul, assignor.
Berger, Arthur M., New York, N. Y. Uniform. 142,331; Aug. 28.
Bergman, Jack H.: *See*—
Hyman, Charles H., assignor.
Beveridge, James M., Bronxville, N. Y. Compact. 142,315; Aug. 28.
Botham, Arthur R., New York, N. Y. Compact. 142,340; Aug. 28.
Botham, Arthur R., New York, N. Y. Compact. 142,341; Aug. 28.
Brenner, Peter K., Cliffside Park, N. J. Game apparatus. 142,294; Aug. 28.
Brown & Bigelow: *See*—
Trollen, Martin E., assignor.
Columbia Protektosite Co., Inc.: *See*—
Penndorf, Richard H., assignor.
Crocker, Ernest O., Washington, D. C. Vertical shaft for andirons. 142,295; Aug. 28.
Crocker, Ernest O., Washington, D. C. Vertical shaft for andirons. 142,296; Aug. 28.
De Flon, James G., Los Angeles, and George W. Meyer, North Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Water-cooling tower. 142,342; Aug. 28.
Di Chiara, Anthony, Newark, N. J. Frame for spectacles. 142,332; Aug. 28.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Single spindle automatic metalworking machine. 142,333; Aug. 28.
Dupler, Raymond R., Toledo, Ohio. Combined globe and supporting standard. 142,297; Aug. 28.
Dupler, Raymond R., Toledo, Ohio. Combined globe and supporting standard. 142,298; Aug. 28.
Eaton, William C., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. 142,316; Aug. 28.
Elfmont, Henry E., Patchogue, N. Y. Combined yo-yo, top, and whistle. 142,317; Aug. 28.
Ettman, Rodney, Woodmere, N. Y. Necktie or similar article. 142,309; Aug. 28.
Ettman, Rodney, Woodmere, N. Y. Necktie or similar article. 142,310; Aug. 28.
Ettman, Rodney, Woodmere, N. Y. Necktie or similar article. 142,311; Aug. 28.
Ettman, Rodney, Woodmere, N. Y. Necktie or similar article. 142,312; Aug. 28.
Ettman, Rodney, Woodmere, N. Y. Necktie or similar article. 142,313; Aug. 28.
Evans, William I.: *See*—
Smith, A. J., and Evans.
Fletcher Aviation Corp.: *See*—
Fletcher, Frank P., assignor.
Fletcher, Frank P., assignor to Fletcher Aviation Corp., Pasadena, Calif. Baby walker. 142,299; Aug. 28.
Fletcher, Frank P., assignor to Fletcher Aviation Corp., Pasadena, Calif. Combination baby walker and stroller. 142,343; Aug. 28.
Fluor Corporation, Ltd., The: *See*—
De Flon, J. G., and Meyer, assignors.
Gallik, George A., Duluth, Minn. Altar card supporting frame. 142,300; Aug. 28.
Gordon, Murray G., New York, N. Y. Cigarette case with transparent display windows. 142,334; Aug. 28.
Halbert, Claude E., Kansas City, Mo. Game board. 142,318; Aug. 28.
Halbert, Claude E., Kansas City, Mo. Game board. 142,319; Aug. 28.
Hannevig, Christoffer, New York, N. Y. Ship or similar article. 142,335; Aug. 28.
Hellman, Albert A., assignor to Meyer Lublin, Los Angeles, Calif. Lighter. 142,301; Aug. 28.
Helwig, Arthur A., Chicago, Ill. Incinerator. 142,320; Aug. 28.
Hentz, Eta, New York, N. Y. Dress. 142,336; Aug. 28.
Hentz, Eta, New York, N. Y. Dress. 142,337; Aug. 28.
Hockery, John C., et al.: *See*—
Talge, H. J., and Martyr.
Hyman, Charles H., assignor to J. H. Bergman, New York, N. Y. Toy phonograph. 142,344; Aug. 28.
Jasper, Lane, South Pasadena, Calif. Game board. 142,345; Aug. 28.
Judd, Clifford W., Rochester, N. Y. Toy. 142,321; Aug. 28.
Judd, Clifford W., Rochester, N. Y. Toy. 142,322; Aug. 28.
Judd, Clifford W., Rochester, N. Y. Toy. 142,323; Aug. 28.
Judd, Clifford W., Rochester, N. Y. Toy. 142,324; Aug. 28.
Judd, Clifford W., Rochester, N. Y. Toy. 142,325; Aug. 28.
Jury, Albert E., Clearfield, Pa. Rocking horse. 142,346; Aug. 28.
Kaufman, Harry, New York, N. Y. Combined vestee and hood. 142,326; Aug. 28.
Laskey, Louise R., Kew Gardens, assignor to Manning Industries, Inc., New York, N. Y. Wheeled toy. 142,302; Aug. 28.
Laskey, Louise R., Kew Gardens, assignor to Manning Industries, Inc., New York, N. Y. Wheeled toy. 142,303; Aug. 28.
Lederer, George J., Providence, R. I. Bracelet. 142,314; Aug. 28.
Lenhart, Joseph B., Marietta, Ohio. Toy bank or similar article. 142,347; Aug. 28.
Lublin, Meyer: *See*—
Hellman, Albert A., assignor.
Manning Industries, Inc.: *See*—
Laskey, Louise R., assignor.
Marchand, Adolph, Jackson Heights, N. Y. Towel rack. 142,304; Aug. 28.
Martyr, Cecil: *See*—
Talge, Henry J., assignor.
Maurer, Frank W., Newton Highlands, Mass. Goggles. 142,338; Aug. 28.

McPharlin, Paul, New York, N. Y., assignor to Associated Distributors, Inc., Chicago, Ill. Finger rest. 142,327; Aug. 28.
Meyer, George W.: *See*—
De Flon, J. G., and Meyer.
National Acme Company, The: *See*—
Drissner, Alfred E., assignor.
Penndorf, Richard H., Scarsdale, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Toy crib. 142,348; Aug. 28.
Poplin, Nella G., Ponca City, Okla. Fishing lure. 142,305; Aug. 28.
Powell, Frank, Miami, Fla. Figurine or similar article. 142,349; Aug. 28.
Quality Hardware and Machine Corporation: *See*—
Snyder, Leland H., assignor.
Reiner, Leo A., Detroit, Mich. Scaffold unit. 142,350; Aug. 28.
Republic Aviation Corporation: *See*—
Arbib, Richard H., assignor.
Rival Manufacturing Company, et al.: *See*—
Talge, H. J., and Martyr.
Rosen, Henri E., Brookline, Mass. Child's slipper or similar article. 142,339; Aug. 28.
Sarff, Rosalia Z., New York, N. Y. Combination lip rouge holder and applicator. 142,328; Aug. 28.
Smith, Adrian J., and W. I. Evans, Los Angeles, Calif. Store-service truck. 142,306; Aug. 28.
Snyder, Leland H., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Vacuum cleaner or similar article. 142,329; Aug. 28.
Stelzer, Otto E., German Township, St. Joseph County, Ind. Combination toaster and cooker. 142,308; Aug. 28.
Stowell, Ralph E., Wellington, Tex. Wheeled toy. 142,351; Aug. 28.
Talge, Foster L., et al.: *See*—
Talge, H. J., and Martyr.
Talge, Henry J., and C. Martyr, assignors to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Can opener. 142,307; Aug. 28.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. License holder key chain with front action pencil tip. 142,330; Aug. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1945

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Abadie, Henry G., Kettleman North Dome Hills, assignor of one-half to F. G. Bradbury, Los Angeles, Calif. Method and apparatus for locating leaks in wells. 2,383,455; Aug. 28.
Abel, Joseph C., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car underframe. 2,383,578; Aug. 28.
Ackermann, Adolf G., St. Louis, Mo., assignor to The Allbright-Nell Company, Chicago, Ill. Carcass dipping apparatus. 2,383,835; Aug. 28.
Adams, William S., Haverford, Pa. Internal-combustion engine. 2,383,836; Aug. 28.
Aerovox Corporation: *See*—
Heyman, Sam, assignor.
Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: *See*—
Riemenschneider, R. W., and Turer, assignors.
Aircraft-Marine Products, Inc.: *See*—
Buchanan, Stephen N., assignor.
White, Harry B., assignor.
Air Reduction Company, Incorporated: *See*—
Heidbrink, Jay A., assignor.
Aktiebolaget Kamyr: *See*—
Richter, Johan C. F. C., assignor.
Alexander, John, Santa Cruz, Calif. Mill. 2,383,437; Aug. 28.
Alford, Andrew, Cambridge, Mass., and G. K. Patterson, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Modulation circuit. 2,383,456; Aug. 28.
Alien Property Custodian: *See*—
Becker, W., and Maass.
Hardy, René, and de Maertelaere.
Hentrich, W., Engelbrecht, and Schirm.
Hueter, Richard.
Moldenhauer, O., and Bock.
Pasqualigo, Giulio.
Salomon, Francois M. M. B.
Yamamoto, Ryo, and Hara.
Allbright-Nell Company, The: *See*—
Ackermann, Adolf G., assignor.
Allen, Edwin L.: *See*—
Schonitzer, R. I., Allen, and Muster.
Allen, Harold D., Glen Rock, and W. A. Kline, Morris Plains, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fats and fatty oils. 2,383,579; Aug. 28.
Aluminum Company of America: *See*—
Sharp, John E., assignor.
American Can Company: *See*—
Martin, William McK., assignor.
Saalbach, Arthur A., assignor.
Thornburgh, Ivan D., assignor.
Winters, William P., assignor.
American Car and Foundry Company: *See*—
Abel, Joseph C., assignor.
Beishline, G. C., and Walp, assignors.
American Chain & Cable Company, Inc.: *See*—
Robinson, Harry G., assignor.
American Cyanamid Company: *See*—
Thurston, J. T., and Grim, assignors.
American Machine & Foundry Co.: *See*—
Johnson, C. W., and Neumair, assignors.
Naftali, Rudolf, V., and H., assignors.
American Machine and Foundry Company: *See*—
Pedersen, Mathias, assignor.
American Optical Company: *See*—
Splaine, E. M., and Severy, assignors.
American Smelting and Refining Company: *See*—
Lebedeff, Yurii E., assignor.
American Steel Foundries: *See*—
Kinne, Edmund P., assignor.
American Telephone and Telegraph Company: *See*—
Avery, Robert C., assignor.
Bowers, Albert F., assignor.
Carson, A., and Payne, assignors.
Daly, James B., assignor.
Hanley, Frank H., assignor.
Hayes, Earl J., assignor.
Spencer, Fred B., assignor.
Andaliklewicz, Boley A., D. T. Carlson, and J. E. Hagstrom, assignors to C. Earl Hovey, trustee, Kansas City, Mo. Multiple coin control mechanism for vending machines. 2,383,438; Aug. 28.
Anderson, Einar H., Minneapolis, Minn. Rock crusher. 2,383,457; Aug. 28.
Andrews, Morris L., et al.: *See*—
Binder, Joseph, assignor.
Andrews, Willard A., et al.: *See*—
Binder, Joseph, assignor.
Armour and Company: *See*—
Ralston, A. W., Barrett, and McCorkle, assignors.
Arndt, Charles, South Pasadena, Calif. Grease trap. 2,383,436; Aug. 28.
Aro Equipment Corporation, The: *See*—
Johnson, J. P., and Tidd, assignors.
Arrowsmith, Clarence J., New York, N. Y., and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fatty materials. 2,383,580; Aug. 28.
Arrowsmith, Clarence J., New York, N. Y., and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing fatty materials. 2,383,581; Aug. 28.
Ashmusen, Christian, Kings Park, N. Y. Foldable article of furniture. 2,383,837; Aug. 28.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work support for shoe machines. 2,383,529; Aug. 28.
Atkinson, Alan B., assignor to Standard Telephones and Cables Limited, London, England. Soldering iron. 2,383,699; Aug. 28.
Atlas Powder Company: *See*—
Carl, Marvin H., assignor.
Auble, Robert N., Indianapolis, Ind. Tension control, stop mechanism, and warning signal for knitting machines. 2,383,838; Aug. 28.
Auerbach, Morris E., Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Antimalarial and making the same. 2,383,458; Aug. 28.
Automatic Electric Laboratories Inc.: *See*—
Gillings, C., and Beale, assignors.
Avery, Robert C., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Revertive pulse repeater. 2,383,759; Aug. 28.
Baer, Georges, Paudex-Lausanne, Switzerland. Camera objective holder mount. 2,383,439; Aug. 28.
Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Burnish gold. 2,383,704; Aug. 28.
Barbehenn, Ralph L., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of bell-end pipe. 2,383,582; Aug. 28.
Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company. Cover for paper containers. 2,383,760; Aug. 28.
Barker, William T., Mount Vernon, N. Y. Ampoule filling and conveying machine. 2,383,700; Aug. 28.
Barner, Louis L., Endicott, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,383,530; Aug. 28.
Barrett, John P.: *See*—
Ralston, A. W., Barrett, and McCorkle.
Battelle Memorial Institute: *See*—
Clark, A., and Shutt, assignors.
Baxter, George, Marion, Kans. Variable pitch screw propeller. 2,383,440; Aug. 28.
Baxter, Warren P.: *See*—
Cary, H. H., and Baxter.
Beach, Lennox F.: *See*—
Esval, O. E., Curry, Fragola, and Beach.
Purves, J. C., and Beach.
Beach, Lennox F., Longmeadow, assignor to Purves Corporation, Springfield, Mass. Indicator for magnetic fields. 2,383,459; Aug. 28.
Beale, Charles E.: *See*—
Gillings, C., and Beale.
Beck, Virgil R., Elmhurst, Ill., assignor to Zenith Radio Corporation. Spread band tuning device. 2,383,462; Aug. 26.
Becker, Morris L., Chicago, Ill. Foot corrective appliance. 2,383,583; Aug. 28.
Becker, Walter, and W. Maass, Hamburg, Germany; vested in the Alien Property Custodian. Making bituminous materials. 2,383,701; Aug. 28.
Beechem, Henry A., and F. W. Fabian, East Lansing, Mich., assignors to P. W. Bonewitz Co., Burlington, Iowa. Destroying bacteria. 2,383,907; Aug. 28.
Beekley, Nathan S., Jr., Westfield, N. J., assignor to Jasco, Incorporated. Cured polymer mixture. 2,383,839; Aug. 28.
Belle, Walter C., Chicago, Ill. Constructional toy. 2,383,441; Aug. 28.
Beishline, Guy C., Berwick, Pa., and C. F. Walp, Buffalo, assignors to American Car and Foundry Company, New York, N. Y. Flanging bimetallic plates. 2,383,584; Aug. 28.

Belchetz, Leonard: *See*—
Buis, M., and Belchetz.

Bell Aircraft Corporation: *See*—
Dobmeier, H. J., and Weingartner, assignors.
Trotter, J. C., and Jewett, assignors.

Bell & Howell Company, The: *See*—
Eisler, Henry G., assignor.

Bell Telephone Laboratories, Incorporated: *See*—
Bond, Walter L., assignor.
West, John W., assignor.

Benckert, Willis, J., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Underwater fuel storage system. 2,383,840; Aug. 28.

Bendix Aviation Corporation: *See*—
MacCallum, A. M., and Noxon, assignors.
Price, Earl R., assignor.

Benin, Zolmon, Glen Ellyn, Ill., assignor to Zenith Radio Corporation. Spread band tuning device. 2,383,463; Aug. 28.

Benn, Howard H., Detroit, Mich. Wood plane. 2,383,841; Aug. 28.

Benton, Medwin A., Liberty, N. Y. Receptacle filling apparatus. 2,383,761; Aug. 28.

Berch, Samuel H., Beverly Hills, assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif. Bag forming machine. 2,383,842; Aug. 28.

Berck, William F., Hayward, assignor to R. N. Brodie Company, Oakland, Calif. Predetermining counter for fluid meters. 2,383,702; Aug. 28.

Beutel, Ralph H.: *See*—
Tishler, M., and Beutel.

Binder, Joseph, Danville, Ill., assignor to W. A. Andrews, Chicago, Ill., and one-half to M. L. Andrews, St. Louis, Mo. Shoe construction. 2,383,585; Aug. 28.

Blanc, Samuel O., Des Moines, Iowa. Mechanism for rodding and cleaning pipes, sewers and the like. 2,383,843; Aug. 28.

Blanding, Forrest H., Elizabeth, N. J., assignor to Standard Oil Development Company. Novel isomerization process. 2,383,586; Aug. 28.

Bloch, Rudolf, and I. Schnerb, assignors to Palestine Potash Ltd., Jersusalem, Palestine. Preparation of a green dyestuff and starting material therefor. 2,383,762; Aug. 28.

Bloch, Rudolf, and I. Schnerb, assignors to Palestine Potash Ltd., Jersusalem, Palestine. Crystallization of salts from aqueous solutions. 2,383,763; Aug. 28.

Bock, Helmuth: *See*—
Moldenhauer, Otto.

Boelter, Arthur H., Appleton, Wis. Nut and bolt cap. 2,383,703; Aug. 28.

Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for X-ray analysis. 2,383,764; Aug. 28.

Bonewitz, P. W., Co.: *See*—
Beechem, H. A., and Fabian, assignors.

Booth, Douglas G.: *See*—
Pugh, C. A., Booth, and Jarvis.

Bortagaray, Mario C., Resistencia, Argentina. Surgical separator. 2,383,705; Aug. 28.

Boughton, Nolan E., Three Rivers, Mich. Cart for golf bags and the like. 2,383,587; Aug. 28.

Bousky, Samuel, Shaker Heights, assignor to Jack & Heintz, Inc., Bedford, Ohio. Balancing machine. 2,383,588; Aug. 28.

Bouslog, John G., Compton, Calif. Oil well bailer line measuring device. 2,383,844; Aug. 28.

Bowers, Albert F., Charleston, W. Va., assignor to American Telephone and Telegraph Company. Radio telephone system. 2,383,908; Aug. 28.

Bown, Clifford E., Youngstown, Ohio. Double purpose tool. 2,383,464; Aug. 28.

Bradbury, Frederick G.: *See*—
Abadie, Henry G., assignor.

Bradford, James J., Burbank, Calif. Laminated slide film mount. 2,383,465; Aug. 28.

Bradshaw, Russell R., assignor to The Dow Chemical Company, Midland, Mich. Decorative effects in polystyrene moldings. 2,383,765; Aug. 28.

Brassert, H. A., & Company: *See*—
Brassert, Herman A., assignor.

Brassert, Herman A., Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Manufacture of metal products. 2,383,766; Aug. 28.

Bremer, Harry E., Milwaukee, Wis. Centrifugal casting. 2,383,442; Aug. 28.

British Rubber Producers' Research Association, The: *See*—
Gee, G., and Stokes, assignors.
Roberts, Kenneth C., assignor.

Brodie, Ralph N., Company: *See*—
Berck, William E., assignor.

Brogdex Company: *See*—
Cothran, Charles De W., assignor.

Brogren, Axel V.: *See*—
Parsons, J. T., and Brogren.

Brown, Leo H., Glenville, Conn. Muzzle mounted bore sight. 2,383,466; Aug. 28.

Brownlow, David B., and J. Feulner, assignors to The Russell Manufacturing Company, Middletown, Conn. Machine for making corded tape. 2,383,767; Aug. 28.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Cyano-alkyl ethers of polyhydric alcohols. 2,383,443; Aug. 28.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dicyanoethyl acetoacetic acid compounds. 2,383,444; Aug. 28.

Buchanan, Stephen N., assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,383,909; Aug. 28.

Budd, Edward G., Manufacturing Company: *See*—
Watter, Michael, assignor.
Watter, M., and Pancoe, assignors.

Buis, Marinus, Ellesmere Port, and L. Belchetz, Ince, near Chester, England, assignors to Shell Development Company, San Francisco, Calif. Calcium naphthenate in hydrocarbon extraction. 2,383,768; Aug. 28.

Bunting, Albert L., Dearborn, and A. C. Schultz, Detroit, Mich.; said Schultz assignor to said Bunting. Ferrous metal ice tray. 2,383,589; Aug. 28.

Burger, Lewis E., Le Mesa, and J. B. Skinner, assignors to Solar Aircraft Company, San Diego, Calif. Making preliminary shaping dies. 2,383,706; Aug. 20.

Burrows, George H., Shaker Heights, Ohio. Apartment building structure. 2,383,445; Aug. 28.

Bush, Burton T., Inc.: *See*—
Sandoz, Maurice, assignor.

Bush Development Company, The: *See*—
Williams, Alfred L. W., assignor.

Calcott, William S.: *See*—
Calcott, W. S., Waddell, and Rosenberg.

Calcott, William S., Woodstown, J. Waddell, Metuchen, N. J., and H. R. Rosenberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Antirachitic materials and their production. 2,383,446; Aug. 28.

Canadian Radium & Uranium Corporation: *See*—
Rosenblum, Solomon, assignor.

Caplan, Soloman, New York, N. Y., assignor to Harvel Research Corporation. Treating asphalt. 2,383,769; Aug. 28.

Caraway, Robert: *See*—
Isenberg, R. A., and Pershing, King, Jr., Patton, and Caraway.

Carborundum Company, The: *See*—
Sharpe, Donald B., assignor.

Carl, Marvin H., Weldon Spring, Mo., assignor to Atlas Powder Company, Wilmington, Del. Top separation of nitrotoluene. 2,383,707; Aug. 28.

Carlson, Carl A., assignor to Norton Company, Worcester, Mass. Wire grinding machine. 2,383,927; Aug. 28.

Carlson, Drexel T.: *See*—
Andalikiewicz, B. A., Hagstrom, and Carlson.

Carnes, F. G. and W. D., Au Sable Forks, N. Y. Power saw. 2,383,447; Aug. 28.

Carnes, Wilfred D.: *See*—
Carnes, F. G. and W. D.

Carpenter, Gilbert A., Riverside, Calif. Apparatus for mounting foundations. 2,383,708; Aug. 28.

Carson, Arthur, and I. Payne, Richmond, Va., assignors to American Telephone and Telegraph Company. Electrical measuring system. 2,383,770; Aug. 28.

Carter Carburetor Corporation: *See*—
Wassman, August H., assignor.

Caruthers, Jacob S., Rand, W. Va. Bearing guard. 2,383,531; Aug. 28.

Cary, Henry H., South Pasadena, and W. P. Baxter, Pasadena, assignors to National Technical Laboratories, South Pasadena, Calif. Glass electrode and method. 2,383,709; Aug. 28.

Celanese Corporation of America: *See*—
Elvin, W. J. and Steiding assignors.
Plunkett, B., and Scheib, assignors.

Chace, Thomas B., assignor to The Dole Valve Company, Chicago, Ill. Drink dispenser. 2,383,771; Aug. 28.

Chaney, Newcomb K., Moylan, and E. L. Hall, Manchester, N. H., assignors to The United Gas Improvement Company. Production of valuable hydrocarbons. 2,383,772; Aug. 28.

Chasen, Henry: *See*—
McClellan, D. F., and Chasen.

Chatterjea, Prafulla K., and C. T. Scully, assignors to Standard Telephones and Cables Limited, London, England. Thermionic valve circuits. 2,383,710; Aug. 28.

Chiksan Tool Company: *See*—
Phillips, Dwight M., assignor.

Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic steering motor and shimmy dampener for airplane landing gear wheels. 2,383,773; Aug. 28.

Christenson, Arthur L.: *See*—
Friedman, H. and Christenson.

Christy, Carl, Shreveport, La. Ear ornament. 2,383,448; Aug. 28.

Cities Service Oil Company: *See*—
Morgan, John D., assignor.
Morgan, J. D., and Lowe, assignors.

Clark, Alfred and R. S. Shutt, assignors to Battelle Memorial Institute, Columbus Ohio. Preparation of alkenals and alkenones. 2,383,711; Aug. 28.

Clark, Howard H., Kent, Ohio. Scaffold system. 2,383,449; Aug. 28.

Clemmer, Julius B., and B. H. Clemmons, Tuscaloosa, Ala., assignors to United States of America as represented by the Secretary of the Interior. Flotation of iron ores. 2,383,467; Aug. 28.

Clemmons, Ballard H.: *See*—
Clemmer, J. B., and Clemmons.

Cocks, Basil W. H., Middle Park, Victoria, Australia. Flight level indicating instrument. 2,383,468; Aug. 28.

Cohen, Morris, Kansas City, Mo., and D. W. Enoch, G. Hasty, and G. A. Jorgenson, Chicago, Ill., assignors to Interstate Bakeries Corporation, Kansas City, Mo. Treating dough. 2,383,774; Aug. 28.

Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cleaning and coating glass, plastics, and other surfaces. 2,383,469; Aug. 28.

Colby, Joseph M., United States Army, Lake Mills, Iowa. Firing grip. 2,383,471; Aug. 28.

Coleman, Edwin D., Maywood, Ill. Electrode structure for pH measurement and control devices. 2,383,450; Aug. 28.

Colgate-Palmolive-Peet Company: *See*—
Allen, H. D., and Kline, assignors.
Arrowsmith, C. J., and Ross, assignors.
Dreger, Emil E., assignor.
Glossop, Glenn A., assignor.
Keim, Gerald I., assignor.
Keim, G. I., and Ross, assignors.
Percy, Joseph R., assignor.
Trent, Walter R., assignor.

Collins, Harry, New York, N. Y. Undergarment. 2,383,590; Aug. 28.

Commercial Solvents Corporation: *See*—
Senkus, Murray, assignor.

Condon, Robert S., Rutland, Vt. Milling machine. 2,383,910; Aug. 28.

Consolidated Vultee Aircraft Corporation: *See*—
Gwinn, Joseph M., and Smeltzer, assignors.
Reynolds, Edwin A., assignor.
Rice, Livingston L., assignor.

Corn Products Refining Company: *See*—
Monte, Richard N., assignor.

Cornell-Dubilier Electric Corporation: *See*—
Robinson, William M., assignor.

Cothran, Charles De W., assignor to Brogdex Company, Pomona, Calif. Treatment of fresh fruits and vegetables in preparation for market. 2,383,451; Aug. 28.

Cottrell, C. B., & Sons Company: *See*—
Luehrs, H. J., and Cottrell, assignors.

Cottrell, Philip W.: *See*—
Luehrs, H. J., and Cottrell.

Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Mower. 2,383,452; Aug. 28.

Couzinet, René A. A., Rio De Janeiro, Brazil. Device for operation of the controls of airplanes. 2,383,845; Aug. 28.

Cox, Ray L., Mesa, Ariz. Welder's clamp. 2,383,591; Aug. 28.

Coxon, John E., Lowfield Heath, near Crawley, F. Lindsley, Lambourne Woodlands, near Newbury, and G. E. Shelley, Horley, assignors to Southern Aircraft (Gatwick) Limited, Surrey, England. Liquid fuel tank for aircraft. 2,383,532; Aug. 28.

Craig, W. E., and W. F. Hester, assignors to Röhm and Haas Company, Philadelphia, Pa. Insecticidal compositions. 2,383,775; Aug. 28.

Crane Packing Company: *See*—
Matter, Albert J., assignor.

Crawley, James B., Washington, D. C., assignor to Radio Corporation of America. Self-balancing inverter circuit. 2,383,846; Aug. 28.

Crickmer, Charles S., South Pasadena, Calif. Anchoring device. 2,383,453; Aug. 28.

Crise Electric Manufacturing Company: *See*—
Crise, George W., assignor.

Crise, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Correlative thermostatic switch mechanism. 2,383,533; Aug. 28.

Crooks, Harry M., Jr., Detroit, and E. M. Jones, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Preparing steroidal hormones. 2,383,472; Aug. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,383,847; Aug. 28.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Reactance control circuit. 2,383,848; Aug. 28.

Cross, Carroll N., Middleboro, Mass. Display mount support. 2,383,776; Aug. 28.

Cuozzo, Michele, Lynn, Mass. Lasting shoes. 2,383,712; Aug. 28.

Curry, Robert S.: *See*—
Esval, O. E., Curry, Fragola, and Beach.

Curtiss-Wright Corporation: *See*—
Krickler, Frank, assignor.

Dahlstrom, John A.: *See*—
Focke, T. B., Dahlstrom, and Kirkpatrick.

Daly, James B., Cleveland, Ohio, assignor to American Telephone and Telegraph Company. Subharmonic generator. 2,383,777; Aug. 28.

Dancigar Oil & Refineries, Inc.: *See*—
Isham, Robert M., assignor.

Dapolito, August A., assignor to L. L. Guardino, Jersey City, N. J. Comb. 2,383,713; Aug. 28.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Method and apparatus for making sheet material. 2,383,849; Aug. 28.

Davis, Rebecca, New York, N. Y. Quilted bed covering. 2,383,592; Aug. 28.

Dawson, Albert J., assignor to Dravo Corporation, Pittsburgh, Pa. Rudder for boats. 2,383,714; Aug. 28.

Dawson, John W., West Newton, and H. Klemperer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,383,473; Aug. 28.

Dean, Raymond M.: *See*—
Lieber, E. and D.

Deere & Company: *See*—
Coultas, Wilbur J., assignor.
Silver, Walter H., assignor.
Sklovsky, M., and Nordenson, assignors.

Deerfsun, Joseph A., Coney Island, N. Y. Hanger for wearing apparel. 2,383,593; Aug. 28.

De Jahn, Fredrik W., New York, N. Y. Gas mixture for methanol. 2,383,715; Aug. 28.

Delano, Raymond P., Jr., Baltimore, Md., assignor to Franklin Railway Supply Company, Inc., New York, N. Y. Locomotive drifting control mechanism. 2,383,534; Aug. 28.

Delegard, Carl J., Chicago, and R. Kreutz, Elmwood Park, Ill. Method and apparatus for decorticating. 2,383,778; Aug. 28.

Delman, Herman B.: *See*—
Sabo, Louis, assignor.

De Maertelaere, Pierre: *See*—
Hardy, R., and de Maertelaere.

Denner, Francis H., Dover, N. J. Apparatus for drying. 2,383,474; Aug. 28.

De Verter, Walton, Chicago, Ill. Electromagnetic sound reproducer. 2,383,594; Aug. 28.

Dickinson, John T., Basking Ridge, N. J., H. P. Wickham, Glen Head, and O. Morfit, Scarsdale, N. Y., assignors to Standard Oil Company, Chicago, Ill. Propane fractionation of heavy oils. 2,383,535; Aug. 28.

Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Flexible coupling. 2,383,850; Aug. 28.

Dixie Cup Company: *See*—
Barbieri, Cesare, assignor.

Dobmeier, Harold J., and G. A. Weingartner, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft control means. 2,383,779; Aug. 28.

Dobřemysl, Josef, Cambridge, England. Feed mechanism of machine and like automatic guns. 2,383,780; Aug. 28.

Dodge, Adiel Y., Rockford, Ill. Clutch and bearing structure. 2,383,595; Aug. 28.

Dodington, Sven H. M., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Transformer. 2,383,475; Aug. 28.

Dole Valve Company, The: *See*—
Chace, Thomas B., assignor.

Dorrell, Robert F., assignor of fifty per cent to W. C. Dvorak, Chicago, Ill. Bottle filler and capper machine. 2,383,781; Aug. 28.

Dow Chemical Company, The: *See*—
Bradshaw, Russell R., assignor.
Dreisbach, Robert R., assignor.

Dravo Corporation: *See*—
Dawson, Albert J., assignor.

Dray, Walter R., Yorkville, Ill. Thresher machine. 2,383,911; Aug. 28.

Dreger, Emil E., Summit, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fatty glycerides. 2,383,596; Aug. 28.

Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Production of rubber-like copolymers of diolefins and unsaturated ketones. 2,383,782; Aug. 28.

Driscoll, James, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of fibrocementitious sheets. 2,383,716; Aug. 28.

Dubeau, Archie L.: *See*—
Vincent, G. P., Dubeau, and Synam.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,383,783; Aug. 28.

Dunlay, Edward E.: *See*—
Franklin, L. U., and Dunlay.

Du Pont, E. I., de Nemours & Company: *See*—
Ballard, Kermit H., assignor.
Calcott, W. S., Waddell, and Rosenberg, assignors.
Hamill, W. H., and Vogt, assignors.
Hemming, Charles B., assignor.
Hull, Richard O., assignor.
Johnson, Aaron D., assignor.
Kirk, Joseph S., assignor.
Kraus, Philip B., assignor.
Pinkey, P. S., and Stevenson, assignors.
Robinson, John W., assignor.
Sveda, Michael, assignor.

Durst, Robert F.: *See*—
Harvey, M. T., and Durst.

Dvorak, William C.: *See*—
Dorrell, Robert F., assignor.
Eaton Manufacturing Company: *See*—
Findley, Howard J., assignor.
Eisler, Henry G., Wilmette, assignor to The Bell & Howell Company, Chicago, Ill. Dust exhausting device for surfacing wheels. 2,383,454; Aug. 28.
Electronbeam, Ltd.: *See*—
Ziebolz, Herbert, assignor.
Elliott, Irwin, Croton-on-Hudson, assignor to Krum-Elliott Company, New York, N. Y., a copartnership composed of Irwin Elliott and Carl E. Krum. Dough dividing machine. 2,383,536; Aug. 28.
Elvin, William J., Frostburg, and J. B. Steiding, Midland, Md., assignors to Celanese Corporation of America. Tension indicator. 2,383,537; Aug. 28.
Engelbrecht, Heinz-Joachim: *See*—
Hentrich, W., Engelbrecht, and Schim.
Englund, Walter: *See*—
Holmblad, C. A., and Englund.
Enoch, Duard W.: *See*—
Cohen, M., Enoch, Hasty, and Jorgenson.
Esval, Orland E., Merrick, R. S. Curry, Baldwin, C. F. Fragola, Brooklyn, and L. F. Beach, Merrick, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Flux valve compass system. 2,383,461; Aug. 28.
Ex-Cell-O Corporation: *See*—
Hoffer, James F., assignor.
Extruded Plastics, Inc.: *See*—
Slaughter, Charles E., assignor.
Faber, Leon A., assignor, by mesne assignments, to The James Knights Company, Sandwich, Ill. Multiple edging and squaring radio quartz crystals. 2,383,638; Aug. 28.
Fabian, Frederick W.: *See*—
Beechem, H. A., and Fabian.
Falsley, Marinus J., Avon-by-the-Sea, and S. Sims, Red Bank, N. J. Tire carrier. 2,383,476; Aug. 28.
Federal Telephone & Radio Corporation: *See*—
Alford, A., and Patterson, assignors.
Dodington, Sven, H. M., assignor.
Kandolan, Armig G.
Feman, Louis G., Jamaica, N. Y. Protective helmet. 2,383,597; Aug. 28.
Ferguson, Albert C., Jacksonville, Fla. Metallic awning. 2,383,639; Aug. 28.
Feulner, John: *See*—
Brownlow, D. B., and Feulner.
Field, Donald C.: *See*—
Thomas, R. M., Field, and Reynolds.
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating and ventilating apparatus for motor vehicles. 2,383,640; Aug. 28.
Finkle, Donald H., Los Angeles, Calif. Skin clamp. 2,383,928; Aug. 28.
Fisher, Oscar, Locust Valley, N. Y. Carboy container. 2,383,717; Aug. 28.
Fleer, Alfred W., assignor to Shell Development Company, San Francisco, Calif. Copper ammonium acetate extraction and purification method. 2,383,784; Aug. 28.
Flexible Vacuum Container Corporation, The: *See*—
Berch, Samuel H., assignor.
Focke, Theodore B., Cleveland Heights, J. A. Dahlstrom, Bay Village, and J. R. Kirkpatrick, South Euclid, assignors to Perfection Stove Company, Cleveland, Ohio. Gas burning apparatus. 2,383,641; Aug. 28.
Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe upper lacing machine. 2,383,538; Aug. 28.
Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tape applying machine. 2,383,539; Aug. 28.
Foster, Shubel A., Ferndale, Mich. Photographic printer. 2,383,785; Aug. 28.
Fragola, Caesar F.: *See*—
Esval, O. E., Curry, Fragola, and Beach.
Franklin, Leslie U., and E. E. Dunlay, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Depolymerization of olefin polymers. 2,383,642; Aug. 28.
Franklin Railway Supply Company, Inc.: *See*—
Delano, Raymond P., Jr., assignor.
Friedman, Herbert, Arlington, Va. Parallel arrangement of geiger-muller counters. 2,383,477; Aug. 28.
Friedman, Herbert, Arlington, Va., and A. L. Christenson, Washington, D. C. Radiographic exposure meter. 2,383,478; Aug. 28.
Fuller, Everett W.: *See*—
Redman, H. E., and Fuller.
Fulton, Stewart C., and K. K. Kearby, Elizabeth, N. J., assignors to Standard Oil Development Company. Catalytic dehydrogenation. 2,383,643; Aug. 28.
Gardell, Andrew, Ellensburg, Wash. Animal poke 2,383,718; Aug. 28.
Gargiulo, Giuseppe, assignor to Super Vent Window Company, Miami, Fla. Window structure. 2,383,912; Aug. 28.
Gayring, Wallace F., Minoa, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Two-hand control for servomotors. 2,383,851; Aug. 28.
Gee, Geoffrey, and S. C. Stokes, Welwyn Garden City, assignors to The British Rubber Producers' Research Association, London, England. Oil resisting rubber. 2,383,540; Aug. 28.
Geigy, J. R., A. G.: *See*—
Martin, H., Hirt, and Neracher, assignors.
General Controls Co.: *See*—
Paille, Eugene, assignor.
General Electric Company: *See*—
Dunham, George W., assignor.
Huston, Claude B., assignor.
Korneke, Paul B., assignor.
Kubler, E. F., Schnelder, and Nonken, assignors.
Miller, Wallace B., assignor.
Navias, Louis, assignor.
Ogden, Harold S., assignor.
Rochow, Eugene G., assignor.
Rochow, E. G., and Gilliam, assignors.
Schmitt, Richard H., assignor.
Spring, Murray M., assignor.
Wood, Charles W., assignor.
General Motors Corporation: *See*—
Dilworth, Richard M., assignor.
MacPherson, Earle S., assignor.
Werner, Calvin J., assignor.
Wernig, James H., assignor.
General Railway Signal Company: *See*—
Judge, Thomas J., assignor.
General Register Corporation: *See*—
Helsel, Reuben H., assignor.
Gilliam, William F.: *See*—
Rochow, E. G., and Gilliam.
Gillings, Charles, and C. E. Beale, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Telephone or like system. 2,383,541; Aug. 28.
Gish, Daniel B., West Springfield, Mass. Crutch. 2,383,786; Aug. 28.
Glidden, Alfred A., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Decorative surfacing material. 2,383,598; Aug. 28.
Glossop, Glenn A., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fatty glycerides. 2,383,599; Aug. 28.
Godfrey, Edwin A., Sacramento, Calif. Paper container for dynamite. 2,383,542; Aug. 28.
Goldberg, Henry, et al.: *See*—
Goldberg, H., and Meyers.
Goldenberg, Harry, assignor of one-third to H. Goldenberg, and one-third to C. E. Meyers, Philadelphia, Pa. Window construction. 2,383,852; Aug. 28.
Goodman Manufacturing Company: *See*—
Sloane, William W., assignor.
Goodrich, B. F., Company, The: *See*—
Glidden, Alfred A., assignor.
Hahn, Stuart H., assignor.
Spicer, Alvin W., assignor.
Gordon, Reuben, Jamaica, N. Y. Wire-stripping device. 2,383,479; Aug. 28.
Gray, Worth, Wheaton, assignor to Standard Oil Company, Chicago, Ill. Coal spray oil. 2,383,543; Aug. 28.
Gregory, Richard S., Princeton, Ky. Photoelectric relay with automatic adjuster. 2,383,644; Aug. 28.
Grim, John M.: *See*—
Thurston, J. T., and Grim.
Grosdoff, Igor E., Upper Darby, Pa., assignor to Radio Corporation of America. Vacuum gauge indicator system. 2,383,600; Aug. 28.
Guardino, Leonard L.: *See*—
Dapolito, August A., assignor.
Guenther, Gerhard K., Chicago, Ill. Grave marker. 2,383,787; Aug. 28.
Guimont, Nelson J., Chicago, Ill. Foundation block structure. 2,383,544; Aug. 28.
Gulf Oil Corporation: *See*—
Franklin, L. U., and Dunlay, assignors.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,383,853; Aug. 28.
Gwinn, Joseph M., Jr., San Diego, and C. L. R. Smeltzer, Spring Valley, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Countersink device. 2,383,854; Aug. 28.
Gwyn, Childress B., Bannockburn, Ill., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y. Self-locking nut. 2,383,545; Aug. 28.
Hagstrom, Jerome E.: *See*—
Andalikiewicz, B. A., Carlson, and Hagstrom.
Hahn, Stuart H., Williamsville, assignor to The B. F. Goodrich Company, New York, N. Y. Vibration isolation. 2,383,645; Aug. 28.
Halford, Frank B., Edgware, and P. J. Wallace, Harrow Weald, assignors to D. Napier and Son Limited, London, England. Apparatus for the control of internal-combustion engines. 2,383,719; Aug. 28.
Hall, Earl D.: *See*—
Stinson, E. C., and Hall.
Hall, Edwin L.: *See*—
Chaney, N. K., and Hall.
Hallander, Jósef A., Stockholm, Sweden. Box switch. 2,383,546; Aug. 28.

Hamill, William H., and R. R. Vogt, Notre Dame, Ind., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Absorption and recovery of acetylene by a cryogenic method. 2,383,547; Aug. 28.
Hamilton, Samuel B., Knoxville, Tenn. Incendiary bomb. 2,383,720; Aug. 28.
Hamnett, Aurora C., executrix: *See*—
Hamnett, Samuel A.
Hamnett, Samuel A., deceased, Los Angeles, Calif.: A. C. Hamnett, executrix. Marking device. 2,383,646; Aug. 28.
Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 2,383,788; Aug. 28.
Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trolley conductor device. 2,383,721; Aug. 28.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Potential ratio-controlled amplifier. 2,383,855; Aug. 28.
Hansgirg, Fritz J., Black Mountain, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Apparatus for producing metallic magnesium. 2,383,856; Aug. 28.
Hara, Takeshi: *See*—
Yamamoto, R., and Hara.
Hardy, René, and P. de Maertelaere, Lyon, France; vested in the Alien Property Custodian. Ultra high frequency wave coupling device. 2,383,857; Aug. 28.
Harris, Carl C., Orange, Mass. Pencil-bonded memorandum pad. 2,383,858; Aug. 28.
Harvel Research Corporation: *See*—
Caplan, Solomon, assignor.
Harvey, Mortimer T., assignor.
Harvey, M. T., and Durst.
Harvey, Leo M.: *See*—
Thacker, Ralph S., assignor.
Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Millable composition. 2,383,789; Aug. 28.
Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Friction elements. 2,383,790; Aug. 28.
Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Polycarboxylic acid condensate of a terpene alcohol-formaldehyde product. 2,383,791; Aug. 28.
Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Research Corporation. Protein furfuryl alcohol-formaldehyde composition. 2,383,792; Aug. 28.
Harvey, Mortimer T., South Orange, and R. F. Durst, Orange, N. J., assignors to Harvel Research Corporation. Reacting furfuryl alcohol and acid condensation products of furfuryl alcohol with glyoxal and polymerized glyoxal and products produced thereby. 2,383,793; Aug. 28.
Hass, Henry B.: *See*—
Larrison, M. S., and Hass.
Hasty, George: *See*—
Cohen, M., Enoch, Hasty, and Jorgenson.
Haug, Eugene H., assignor to La Salle National Bank, as trustee, Chicago, Ill. Automatic rectifying device. 2,383,722; Aug. 28.
Hauser, Ernst A., Cambridge, Mass., assignor to Research Corporation, New York, N. Y. Waterproofing inorganic hydrous oxide bodies, and product. 2,383,647; Aug. 28.
Hawkins, Floyd C., Arcadia, Calif. Internal-combustion engine. 2,383,648; Aug. 28.
Hayes, Earl J., Chicago, Ill., assignor to American Telephone and Telegraph Company. Telephone system. 2,383,794; Aug. 28.
Heberlein, Gustave E., Jeannette, and F. L. Kradel, assignors to Railway and Industrial Engineering Company, Greensburg, Pa. Interrupter switch. 2,383,795; Aug. 28.
Heidbrink, Jay A., Minneapolis, Minn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Breathing mask for parachute escape devices. 2,383,649; Aug. 28.
Helsel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,383,796; Aug. 28.
Hemming, Charles B., New Rochelle, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,383,548; Aug. 28.
Hentrich, Winfrid, Dessau-Rosslau, H.-J. Engelbrecht and E. Schirm, Dessau, Germany; vested in the Alien Property Custodian. Capillary active agents. 2,383,859; Aug. 28.
Hercules Powder Company: *See*—
Little, Julius G., assignor.
Martin, Robert W., assignor.
Spiller, George, assignor.
Steiner, John E., assignor.
Hess, Frederic O., Germantown, assignor to Selas Corporation of America, Philadelphia, Pa. Airplane heater. 2,383,650; Aug. 28.
Hester, William F.: *See*—
Craig, W. E., and Hester.
Heyman, Sam, assignor to Aerovox Corporation, New Bedford, Mass. Temperature compensated capacitor and reactance. 2,383,480; Aug. 28.
Hickey, John J., Arlington, N. J. Machine for playing card games. 2,383,860; Aug. 28.
Hilker, Earl E., Spring Garden Township, York County, assignor to S. Morgan Smith Company, York, Pa. Valve operating mechanism. 2,383,549; Aug. 28.
Hill, E. Govan, et al.: *See*—
Phillips, John X., assignor.
Hill, Harvey W., Parkville, Mo. Boot holder. 2,383,651; Aug. 28.
Hilliard, Perley A., Newton Center, Mass. Machine for making decorative paper strips. 2,383,797; Aug. 28.
Hirshstein, Joseph, assignor of one-half to R. R. Newman and one-half to M. Hirshstein, Cleveland, Ohio. Check valve. 2,383,481; Aug. 28.
Hirshstein, Joseph, assignor of one-half to R. R. Newman, and one-half to M. Hirshstein, Cleveland, Ohio. Check valve. 2,383,482; Aug. 28.
Hirshstein, Mildred, et al.: *See*—
Hirshstein, Joseph, assignor.
Hirt, Rudolf: *See*—
Martin, H., Hirt, and Neracher.
Hockery, John C., et al.: *See*—
Landry, William J., assignor.
Hodges, Caleb E.: *See*—
Lieber, E., and Hodges.
Hoenie, Norman J.: *See*—
Landis, G. G., and Hoenie.
Hoffer, James F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Pump structure. 2,383,483; Aug. 28.
Holley, Earl, et al.: *See*—
Udale, Stanley M., assignor.
Holley, George M., et al.: *See*—
Udale, Stanley M., assignor.
Holmblad, Carl A., Flushing, N. Y., and W. Englund, Atlanta, Ga. Mailing envelope and insert. 2,383,652; Aug. 28.
Holmes, George E., Dearborn, Mich. Fuse plug. 2,383,484; Aug. 28.
Homan, Walter, and R. S. Hull, assignors to The National Cash Register Company, Dayton, Ohio. Measuring device. 2,383,550; Aug. 28.
Hooker Electrochemical Company: *See*—
Osborne, Sidney G., assignor.
Hopkins, David W., Philadelphia, Pa. Three-way valve. 2,383,861; Aug. 28.
Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing device. 2,383,862; Aug. 28.
Houdaille-Hershey Corporation: *See*—
Chisholm, Harry L., Jr., assignor.
Hovey, C. Earl, trustee: *See*—
Andalikiewicz, B. A., Carlson, and Hagstrom, assignors.
Hueter, Richard, Dessau-Rosslau, Anhalt, Germany; vested in the Alien Property Custodian. Preparing ketenes. 2,383,863; Aug. 28.
Hull, Richard O., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electroplating. 2,383,798; Aug. 28.
Hull, Roger S.: *See*—
Homan, W., and Hull.
Huston, Claude B., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,383,799; Aug. 28.
Induction Heating Corp.: *See*—
Rudd, Wallace C., assignor.
Ingersoll-Rand Company: *See*—
Hornschuch, Hanns, assignor.
Interior, United States of America as represented by the Secretary of the: *See*—
Clemmer, J. B., and Clemmons, assignors.
International Standard Electric Corporation: *See*—
Spangenberg, Karl, assignor.
Interstate Bakeries Corporation: *See*—
Cohen, M., Enoch, Hasty, and Jorgenson, assignors.
Irby, James W., Dayton, Ohio. Parachute release. 2,383,485; Aug. 28.
Isenberg, Rudolf A., and R. S. Pershing, Los Altos, and C. Van H. King, Jr., E. D. Patton, and R. Caraway, San Francisco, Calif., assignors to Perishables Shipping Equipment Company. Refrigeration mechanism. 2,383,486; Aug. 28.
Isham, Robert M., Okmulgee, Okla., assignor to Dancigar Oil & Refineries, Inc., Fort Worth, Tex. Separation of acetylene from gaseous mixtures. 2,383,551; Aug. 28.
Jack & Heintz, Inc.: *See*—
Bousky, Samuel, assignor.
Jarvis, Percival J.: *See*—
Pugh, C. A., Booth, and Jarvis.
Jasco, Incorporated: *See*—
Beekley, Nathan S., Jr., assignor.
Thomas, R. M., Field, and Reynolds, assignors.
Jefferson, Ernest S., Belhaven, N. C. Harness. 2,383,552; Aug. 28.
Jewett, John L.: *See*—
Trotter, J. C., and Jewett.
Johns-Manville Corporation: *See*—
Barbehenn, Ralph L., assignor.
Driscoll, James, assignor.
Leistensnider, G. P., and Rinehart, assignors.
Rembert, E. W., Winter, and Reinecker, assignors.

Johnson, Aaron D., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal cleaning composition. 2,383,800; Aug. 28.

Johnson, Alfred, Buffalo, N. Y. Electrical pickup for wind instruments. 2,383,553; Aug. 28.

Johnson, Carl W., Brooklyn, and J. A. Neumair, Hollis, N. Y., assignors to American Machine & Foundry Co. Combined tie folding and slip stitch sewing machine. 2,383,654; Aug. 28.

Johnson, James P., and A. H. Tidd, Cleveland, assignors to The Aro Equipment Corporation, Bryan, Ohio. Gas regulator. 2,383,801; Aug. 28.

Johnson, Melvin M., et al.: *See*— Johnson, Melvin M., Jr., assignor.

Johnson, Melvin M., Jr., assignor to M. M. Johnson, M. M. Johnson, Jr., and E. E. Rice, as trustees of the Johnson Patent Trust, Boston, Mass. Automatic gun. 2,383,487; Aug. 28.

Johnson Patent Trust: *See*— Johnson, Melvin M., Jr.

Johnson, Wallace J. S., Berkeley, Calif., assignor, by mesne assignments, to Kearney & Trecker Products Corporation, Milwaukee, Wis. Jig boring machine. 2,383,655; Aug. 28.

Johnston, John O., Irvington, N. J. Retractable line appliance. 2,383,802; Aug. 28.

Jones, Eldon M.: *See*— Crooks, H. M., Jr., and Jones.

Jorgenson, Gerald A.: *See*— Cohen, M., Enoch, Hasty, and Jorgenson.

Joy, Joseph F., Claremont, N. H. Stove. 2,383,488; Aug. 28.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,383,803; Aug. 28.

Judkins, Theodore R., Atlanta, Ga. Concrete form tie. 2,383,864; Aug. 28.

Juvenile Wood Products, Inc.: *See*— Muller, Albert B., assignor.

Kahn, Leo M., New York, N. Y. Press. 2,383,723. Aug. 28.

Kandoian, Armig G., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Controlling horizontal patterns for glide paths. 2,383,489; Aug. 28.

Kandoian, Armig G., New York, N. Y., assignor to Federal Telephone and Radio Corporation. Loop antenna. 2,383,490; Aug. 28.

Karan, Thomas: *See*— Lovers, G. J., and Karan.

Kaunitz, Leonore, New York, N. Y. Brassière. 2,383,804; Aug. 28.

Kearby, Kenneth K.: *See*— Fulton, S. C., and Kearby.

Kearney & Trecker Products Corporation: *See*— Johnson, Wallace J. S., assignor.

Keim, Gerald I., Newark, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fats and fatty oils. 2,383,601; Aug. 28.

Keim, Gerald I., Newark, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treatment of fatty glycerides. 2,383,602; Aug. 28.

Keller, Jay H., Sebring, Ohio. Stamp decorating of articles of manufacture. 2,383,865; Aug. 28.

Kemmer, Paul H., Fairfield, and E. R. Weaver, Dayton, Ohio. Method and apparatus for testing aircraft structures. 2,383,491; Aug. 28.

King, Clarence Van H., Jr.: *See*— Isenberg, R. A., Pershing, King, Jr., Patton, and Caraway.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Draft gear. 2,383,656; Aug. 28.

Kirk, Joseph S., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silicic acid sols. 2,383,653; Aug. 28.

Kirkpatrick, Joseph R.: *See*— Focke, T. B., Dahlstrom, and Kirkpatrick.

Klein, Felix, New York, N. Y. Swing faucet. 2,383,724; Aug. 28.

Klein, James B., assignor to Micromatic Hone Corporation, Detroit, Mich. Honing device. 2,383,657; Aug. 28.

Klemperer, H.: *See* — Dawson, J. W., and Klemperer.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Voltage regulator. 2,383,492; Aug. 28.

Kline, William A.: *See*— Allen, H. D., and Kline.

Kling, Harold A., New Haven, Conn. Practice device for golf putting. 2,383,866; Aug. 28.

Knights, James, Company, The: *See*— Faber, Leon A., assignor.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Power output amplifier circuit. 2,383,867; Aug. 28.

Korneke, Paul B., Scotia, N. Y., assignor to General Electric Company. Electric switch. 2,383,805; Aug. 28.

Kradel, Fred L.: *See*— Heberlein, G. E., and Kradel.

Kraus, Philip B., Chadd's Ford, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Filtering device. 2,383,868; Aug. 28.

Kreutz, Rudolph: *See*— Delegard, C. J., and Kreutz.

Krickler, Frank, Cleveland, Ohio, assignor to Curtiss-Wright Corporation. Force measuring device. 2,383,554; Aug. 28.

Krum-Elliott Company: *See*— Elliott, Irwin, assignor.

Kubler, Ernest F., Pittsfield, Mass., E. D. Schneider, Scotia, N. Y., and G. C. Nonken, Pittsfield, Mass., assignors to General Electric Company. Temperature control system. 2,383,806; Aug. 28.

Laird, Wilbur G., Pleasantville, N. Y. Liquid-sealed fluid storage apparatus. 2,383,555; Aug. 28.

Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Work support. 2,383,503; Aug. 28.

Landis, George G., University Heights, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Electric welding apparatus. 2,383,725; Aug. 28.

Landry, William J., assignor to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Cutter assembly for can openers. 2,383,929; Aug. 28.

Larrison, Millard S., La Fayette, and H. B. Hass, West La Fayette, assignors to Purdue Research Foundation, La Fayette, Ind. Condensation of nitroalkanes with ketones. 2,383,603; Aug. 28.

Larson, Charles O., assignor to Chas. O. Larson Co., Sterling, Ill. Picture hanger. 2,383,658; Aug. 28.

Larson, Chas. O., Co.: *See*— Larson, Charles O., assignor.

La Salle National Bank, trustee: *See*— Haug, Eugene H., assignor.

Leander, Russell J., assignor to The Leaton Corporation, Chicago, Ill. Stencil and stenciling. 2,383,913; Aug. 28.

Leaton Corporation, The: *See*— Leander, Russell J., assignor.

Leavitt Machine Company, The: *See*— Wilcox, Philip E., assignor.

Lebedeff, Yurii E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Reclaiming magnesium from scrap. 2,383,659; Aug. 28.

Leistensnider, George P., Somerville, and H. H. Rinehart, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Thermal insulation and manufacture. 2,383,604; Aug. 28.

Leland Electric Company, The: *See*— Moore, Thomas W., assignor.

Leshin, Joseph, New York, N. Y. Container. 2,383,726; Aug. 28.

Lewis, Donald E., assignor to The Torrington Company, Torrington, Conn. Unit-type antifriction bearing and making the same. 2,383,727; Aug. 28.

Libbey-Owens-Ford Glass Company: *See*— Colbert, W. H., and Weinrich, assignors. Morgan, Willard L., assignor.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., and C. E. Hodges, Elizabeth, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Lubricants and preparation thereof. 2,383,605; Aug. 28.

Lieber, Eugene, Staten Island, and M. E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company. Condensation products and preparing and using the same. 2,383,606; Aug. 28.

Lieber, Eugene, West New Brighton, Staten Island, N. Y., and R. M. Dean, Westfield, N. J., assignors to Standard Oil Development Company. Lubricant and preparation. 2,383,869; Aug. 28.

Lincoln Electric Company, The: *See*— Landis, G. G., and Hoenie, assignors.

Lindsley, Forester: *See*— Coxon, J. E., Lindsley, and Shelley.

Little, John W., Scarsdale, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Package. 2,383,728; Aug. 28.

Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Transparentizing paper. 2,383,660; Aug. 28.

López, Enrique, New York, N. Y. Automobile jack. 2,383,661; Aug. 28.

Louden, Harry M., Columbus, Ohio, and C. W. McCreery, Muncie, Ind., assignors to Owens-Illinois Glass Company. Mold lock. 2,383,556; Aug. 28.

Lovers, Guy J., Astoria, and T. Karan, Elmhurst, N. Y. Pipe-cutting machine. 2,383,607; Aug. 28.

Lowe, Russell E.: *See*— Morgan, J. D., and Lowe.

Loy, John W., McLean, Va., assignor to Phillips Petroleum Company. Catalyst chamber apparatus. 2,383,729; Aug. 28.

Lucke, Henry J.: *See*— Luckhaupt, Christopher.

Luckhaupt, Christopher, Jamaica, N. Y., assignor to Henry J. Lucke, East Orange, N. J. Treating timber. 2,383,504; Aug. 28.

Ludington, Charles T., Ardmore, Pa. Amphibian aircraft. 2,383,870; Aug. 28.

Luehrs, Hans J., Westerly, R. I., and P. W. Cottrell, Stonington, Conn., assignors to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feeder. 2,383,807; Aug. 28.

Lyle, Malcolm H., Johnson City, and C. B. Smith, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Yarn lubrication. 2,383,505; Aug. 28.

Lynch, Charles S., Plainfield, N. J., assignor to Standard Oil Development Company. Isomerization process. 2,383,608; Aug. 28.

Maass, Wilhelm: *See*— Becker, W., and Maass.

MacCallum, Allan M., Maywood, and P. A. Noxon, Tenafly, assignors to Bendix Aviation Corporation, Bendix, N. J. Gyro caging mechanism. 2,383,663; Aug. 28.

MacDonald, Murray J., Katonah, C. S. Schwendler, Woodside, N. Y., and F. C. Schwendler, Dayton, Ohio, assignors to National Casket Company Incorporated, Long Island City, N. Y. Hardenable plastic compositions. 2,383,609; Aug. 28.

MacLean-Fog Lock Nut Company: *See*— MacLean, John A., Jr., assignor.

MacLean, John A., Jr., Winnetka, assignor to MacLean-Fog Lock Nut Company, Chicago, Ill. Floor clip. 2,383,808; Aug. 28.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Generator drive. 2,383,872; Aug. 28.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Vehicle drive mechanism. 2,383,873; Aug. 28.

Maddock, Alan J., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Antenna system. 2,383,730; Aug. 28.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,383,664; Aug. 28.

Malicay, Leandro, Los Angeles, Calif. Plant support. 2,383,665; Aug. 28.

Mamaroneck Chemical Corporation: *See*— Treacy, Cyril S., assignor.

Marchand, Adolph, Jackson Heights, N. Y. Mirror retaining means. 2,383,809; Aug. 28.

Marchant Calculating Machine Company: *See*— Mathi, Walter E., assignor.

Marcy, John P., Oak Ridge, Tenn. Motor vehicle. 2,383,611; Aug. 28.

Martin, Glenn L., Company, The: *See*— Benckert, Willis J., assignor. Miller, Leslie T., assignor.

Martin, Henry, R. Hirt, and O. Neracher, assignors to the Swiss firm of J. R. Geigy A. G., Basel, Switzerland. P-aminobenzenesulphonamides and their manufacture. 2,383,874; Aug. 28.

Martin, Robert W., Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del. Wood digestion resin-aldehyde condensation product. 2,383,558; Aug. 28.

Martin, Stoddard B., Lakewood, Ohio. Collet. 2,383,508; Aug. 28.

Martin, William E., Kewanee, Ill. Trailer tongue construction. 2,383,666; Aug. 28.

Martin, William McK., Maywood, Ill., assignor, to American Can Company, New York, N. Y. Container filling system. 2,383,507; Aug. 28.

Masculine, Edwin T., Sherman Oaks, Calif. Hydraulic press. 2,383,810; Aug. 28.

Mathi, Walter E., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,383,731; Aug. 28.

Mathieson Alkali Works, Inc., The: *See*— Vincent, G. P., Dubeau, and Synan, assignors.

Matter, Albert J., Park Ridge, Ill., assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,383,667; Aug. 28.

Maxant, William T., Ayer, Mass. Button sewing machine. 2,383,875; Aug. 28.

Mayo, Wilbur L., Hampton, Va. Ignition system for internal-combustion engines. 2,383,876; Aug. 28.

Mays, Floyd R., Chicago, Ill., and R. R. Royal, Paducah, Ky. Tire. 2,383,668; Aug. 28.

Maytag Company, The: *See*— Smith, Thomas R., assignor.

McAllister, Walter H.: *See*— Richardson, A. S., and McAllister.

McClaskey, Charles H., Hamer, Idaho. Airplane tire construction. 2,383,662; Aug. 28.

McClellan, Donald F., and H. Chasen, Boston, Mass. Test meter for magnetos. 2,383,557; Aug. 28.

McClenny, Robert J., Palatka, Fla. Peanut or potato digger. 2,383,506; Aug. 28.

McCorkle, Miles R.: *See*— Ralston, A. W., Barrett, and McCorkle.

McCreery, Cecil W.: *See*— Louden, H. M., and McCreery.

McGraw Electric Company: *See*— Olving, Bror G., assignor. Osterheld, Clark M., assignor.

McNeely, David B., Calvert, Tex. Thumb-controlled coping saw. 2,383,871; Aug. 28.

McNulty, George M.: *See*— Zimmer, J. C., and McNulty.

McQuay-Norris Manufacturing Company: *See*— Smith, Dallas M., assignor.

Mercer, Mabel V., Arlington, Va. Motion picture apparatus. 2,383,493; Aug. 28.

Merck & Co., Inc.: *See*— Tishler, M., and Beutel, assignors.

Meyer, Ronald E.: *See*— Moran, R. C., Meyer, Otto, and Oberright. Otto, F. P., and Meyer. Otto, F. P., Meyer, and Moran.

Meyers, Charles E., et al.: *See*— Goldberg, H., and Meyers.

Michigan State Board of Agriculture, The: *See*— Petering, H. G., and Morgal, assignors.

Micromatic Hone Corporation: *See*— Klein, James B., assignor.

Miller, Carl L., Franklin Furnace, assignor to Vulcan Corporation, Portsmouth, Ohio. Spring wedge heel. 2,383,877; Aug. 28.

Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Lubrication system control valve. 2,383,878; Aug. 28.

Miller, Wallace B., West Caldwell, N. J., assignor to General Electric Company. Temperature control system and apparatus. 2,383,811; Aug. 28.

Minnesota Mining & Manufacturing Company: *See*— Palmquist, Philip V., assignor.

Mock, Hugo, New York, N. Y. Abrasive paper rolls. 2,383,879; Aug. 28.

Moldenhauer, Otto, and H. Bock, Hirschberg Reisengebirge, Germany; vested in the Alien Property Custodian. Production of polycondensation products. 2,383,880; Aug. 28.

Monte, Richard N., Cincinnati, Ohio, assignor to Corn Products Refining Company, New York, N. Y. Production of starch conversion sirups. 2,383,914; Aug. 28.

Montgomery Ward & Co.: *See*— Muerle, Richard W., assignor.

Moore, Thomas W., assignor to The Leland Electric Company, Dayton, Ohio. Dynamoelectric machine. 2,383,669; Aug. 28.

Moran, Robert C.: *See*— Otto, F. P., Meyer, and Moran.

Moran, Robert C., Wenonah, and R. E. Meyer, F. P. Otto, and E. A. Oberright, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,383,494; Aug. 28.

Morfit, Oliver: *See*— Dickinson, J. T., Wickham, and Morfit.

Morgal, Paul W.: *See*— Petering, H. G., and Morgal.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,383,915; Aug. 28.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricants. 2,383,916; Aug. 28.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Lubricant. 2,383,917; Aug. 28.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Hand cleaning composition. 2,383,610; Aug. 28.

Morgan, Willard L., Columbus, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method of and apparatus for cleaning and surface-coating glass and the like. 2,383,470; Aug. 28.

Morton, Naomi G., New York, N. Y. Hair curling device. 2,383,612; Aug. 28.

Morway, Arnold J.: *See*— Zimmer, J. C., and Morway.

Moss, Chester C., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Thumbscrew. 2,383,670; Aug. 28.

Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co. Incorporated, Chicago, Ill. Starting mechanism and the like. 2,383,671; Aug. 28.

Muller, Albert B., Fort Wayne, Ind., assignor to Juvenile Wood Products, Inc. Strap fixture for armchairs. 2,383,918; Aug. 28.

Murphy, Gerald P., Cleveland, Ohio. Sign. 2,383,881; Aug. 28.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Preparation of lubricants. 2,383,495; Aug. 28.

Muster, Harold B.: *See*— Schonitzer, R. I., Allen, and Muster. Schonitzer, R. I., and Muster.

Naftali, Henry: *See*— Naftali, Rudolf, V., and H.

Naftali, Rudolf and V., Mount Vernon, and H. Naftali, New York, N. Y., assignors to American Machine and Foundry Company. Sewing apparatus. 2,383,613; Aug. 28.

Naftali, Valentine: *See*— Naftali, Rudolf, V., and H.

Napier, D., and Son, Limited: *See*— Halford, F. B., and Wallace, assignors.

Nashua Manufacturing Company: *See*—
Russell, Joseph W., assignor.
National Automobile Fibres, Inc.: *See*—
Davies, Clarence J., assignor.
National Cash Register Company, The: *See*—
Homan, W., and Hull, assignors.
National Casket Company, Incorporated: *See*—
MacDonald, M. J., and Schwendler, C. S. and F. C., assignors.
National Technical Laboratories: *See*—
Cary, H. H., and Baxter, assignors.
Navias, Louis, Schenectady, N. Y., assignor to General Electric Company. Mold and fabrication method. 2,383,812; Aug. 28.
Nebolsine, Ross, Seacliff, N. Y. Method of and apparatus for installing lateral wells in fluid-saturable earth. 2,383,496; Aug. 28.
Neisingh, Walter J., Hanford, Calif. Filter. 2,383,672; Aug. 28.
Neracher, Otto: *See*—
Martin, H., Hirt and Neracher.
Neumair, Joseph A.: *See*—
Johnson, C. W., and Neumair.
New Britain Machine Co., The: *See*—
Rockwell, Edward A., assignor.
Newman, Ruth R., et al.: *See*—
Hirshstein, Joseph, assignor.
Niersbach, Milton P., Petaluma, Calif. Feeding apparatus for chicks. 2,383,732; Aug. 28.
Nonken, Gordan C.: *See*—
Kubler, E. F., Schneider, and Nonken.
Nordenson, Willard H.: *See*—
Sklovsky, M., and Nordenson.
North American Rayon Corporation: *See*—
Lyle, M. H., and Smith, assignors.
North Carolina Magnesium Development: *See*—
Hausgirg, F. J., assignor.
Norton Company: *See*—
Carlson, Carl A., assignor.
Noxon, Paul A.: *See*—
MacCallum, A. M., and Noxom.
Oberright, Edward A.: *See*—
Moran, R. C., Meyer, Otto, and Oberright.
O-Cedar Corp'n: *See*—
Dupuy, Charles F. J., assignor.
Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Electric motor control system. 2,383,813; Aug. 28.
Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Electric toaster. 2,383,673; Aug. 28.
O'Mealey, John W., Larchmont, N. Y. Safety razor. 2,383,882; Aug. 28.
Osborn, Alden E., Mount Vernon, N. Y. Internal-combustion engine. 2,383,883; Aug. 28.
Osborne, Sidney G., St. Davids, Ontario, Canada, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of sodium bicarbonate. 2,383,674; Aug. 28.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,383,675; Aug. 28.
Otto, Ferdinand P.: *See*—
Moran, R. C., Meyer, Otto, and Oberright.
Otto, Ferdinand P., and R. E. Meyer, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,383,497; Aug. 28.
Otto, Ferdinand P., and R. E. Meyer, Woodbury, and R. C. Moran, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral Oil Composition. 2,383,498; Aug. 28.
Owens-Illinois Glass Company: *See*—
Louden, H. M., and McCreery, assignors.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Drill mechanism. 2,383,499; Aug. 28.
Paille, Eugene, Los Angeles, assignor to General Controls Co., Glendale, Calif. Thermoelectric control circuit. 2,383,676; Aug. 28.
Palestine Potash Ltd.: *See*—
Bloch, R., and Schnerb, assignors.
Palmquist, Philip V., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Colored reflex light reflector. 2,383,884; Aug. 28.
Pancoe, George W.: *See*—
Watter, M., and Pancoe.
Parke, Davis & Company: *See*—
Crooks, H. M., Jr., and Jones, assignors.
Parker Appliance Company, The: *See*—
Parker, Arthur L., assignor.
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube structure. 2,383,733; Aug. 28.
Parker, Henry C., Washington, D. C. Airplane launching device and carrier. 2,383,559; Aug. 28.
Parsons, John T., and A. V. Brogren, Detroit, Mich. Impact spider. 2,383,885; Aug. 28.
Pasqualigo, Giulio, Genoa, Italy; vested in the Alien Property Custodian. Multianode electron tube and working circuit therefor. 2,383,886; Aug. 28.
Passal, Frank, by judicial change of name: *See*—
Stareck, J. E., and Passalacqua.
Passalacqua, Frank: *See*—
Stareck, J. E., and Passalacqua.
Patterson, Guy K.: *See*—
Alford, A., and Patterson.
Patton, Edward D.: *See*—
Isenberg, R. A., Pershing, King, Jr., Patton, and Caraway.
Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Strip applying machine. 2,383,560; Aug. 28.
Payne, Irving: *See*—
Carson, A., and Payne, assignors.
Pedersen, Mathias, Brooklyn, N. Y., assignor to American Machine and Foundry Company. Sewing machine. 2,383,677; Aug. 28.
Pennsylvania Railroad Company, The: *See*—
Showers, Lewis M., assignor.
Percy, Joseph H., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treatment of fatty glycerides. 2,383,614; Aug. 28.
Perfection Stove Company: *See*—
Focke, T. B., Dahlstrom, and Kirkpatrick, assignors.
Perishables Shipping Equipment Company: *See*—
Isenberg, R. A., Pershing, King, Jr., Patton, and Caraway, assignors.
Perkins, Eugene M., Boston, Mass. Razor. 2,383,887; Aug. 28.
Pershing, Richard S.: *See*—
Isenberg, R. A., Pershing, King, Jr., Patton, and Caraway.
Persinger, James R., Burbank, Calif. Shoe holder. 2,383,678; Aug. 28.
Petering, Harold G., Metuchen, N. J., and P. W. Morgal, East Lansing Mich., assignors to The Michigan State Board of Agriculture. Isolating chemical compounds from materials of nature. 2,383,561; Aug. 28.
Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Expanded cell tight rubber-avoidance of surface stickiness. 2,383,734; Aug. 28.
Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Fluid handling coupling. 2,383,679; Aug. 28.
Phillips, John X., Vienna, assignor to G. T. Smith and E. G. Hill, Richmond, Va., trustees. Airplane pickup mechanism. 2,383,680; Aug. 28.
Phillips Petroleum Company: *See*—
Loy, John W., assignor.
Pinkney, Paul S., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition and process for cleaning and pickling ferrous metals. 2,383,681; Aug. 28.
Plessey Company Limited, The: *See*—
Pugh, C. A., Booth, and Jarvis, assignors.
Plunkett, Brian, Cumberland, and R. C. Scheib, La Vale, Md., assignors to Celanese Corporation of America. Beam letoff. 2,383,562; Aug. 28.
Polan, Albert S., et al.: *See*—
Polan, Lincoln M., assignor.
Polan, Charles, et al.: *See*—
Polan, Lincoln M., assignor.
Polan, E. G., et al.: *See*—
Polan, Lincoln M., assignor.
Polan, L. M., et al.: *See*—
Polan, Lincoln M., assignor.
Polan, Lake, Jr., et al.: *See*—
Polan, Lincoln M., assignor.
Polan, Lincoln M., assignor to A. S., E. G., L. M., C., and L. Polan, Jr., a partnership doing business as Zenith Optical Company, Huntington, W. Va. Polishing compound. 2,383,500; Aug. 28.
Powell, Albert G., Philadelphia, Pa. Method and apparatus for grinding lenses. 2,383,501; Aug. 28.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Control valve. 2,383,682; Aug. 28.
Price, Thomas H., Chelmsford, England, assignor to Radio Corporation of America. Amplifier circuit arrangement. 2,383,888; Aug. 28.
Prochaska, Carroll W.: *See*—
Seaholm, Nils, assignor.
Procter & Gamble Company, The: *See*—
Quimby, Oscar T., assignor.
Richardson, Albert S., assignor.
Richardson, A. S., and McAllister, assignors.
Tucker, Nathaniel B., assignor.
Prosperity Company, Inc., The: *See*—
Gayring, Wallace F., assignor.
Pugh, Cyril A., and D. G. Booth, Ilford, and P. J. Jarvis, East Ham, London, assignors to The Plessey Company Limited, Ilford, England. Fuel control device for internal-combustion engines. 2,383,563; Aug. 28.
Purdue Research Foundation: *See*—
Larrison, M. S., and Hass, assignors.
Purves Corporation: *See*—
Beach, Lennox F., assignor.
Purves, J. C., and Beach, assignors.
Purves, John C., Springfield, Mass., and L. F. Beach, Merrick, N. Y., assignors to Purves Corporation. Magnetic field responsive device. 2,383,460; Aug. 28.
Quimby, Oscar T., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Acid triphosphates as builders for alkyl sulphates and other soapless detergents. 2,383,502; Aug. 28.

Radio Corporation of America: *See*—
Crawley, James B., assignor.
Crosby, Murray G., assignor.
Grosdoff, Igor E., assignor.
Hansell, Clarence W.
Koch, Winfield R., assignor.
Price, Thomas H., assignor.
Schlesinger, Kurt, assignor.
Raffold Process Corporation: *See*—
Rafton, Harold R., assignor.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Treatment of pigment comprising calcium carbonate. 2,383,509; Aug. 28.
Railway and Industrial Engineering Company: *See*—
Heberlein, G. E., and Kradel, assignors.
Ralston, Anderson W., J. P. Barrett, and M. R. McCorkle, assignors to Armour and Company, Chicago, Ill. Insecticidal compositions. 2,383,564; Aug. 28.
Randol, Glenn T., St. Louis, Mo. Change-speed transmission. 2,383,615; Aug. 28.
Randol, Glenn T., St. Louis, Mo. Control mechanism for change-speed gearing. 2,383,616; Aug. 28.
Ray, William A., Glendale, Calif. Rectifier. 2,383,735; Aug. 28.
Raytheon Manufacturing Company: *See*—
Dawson, J. W., and Klemperer, assignors.
Klemperer, Hans, assignor.
Redington, F. B., Co.: *See*—
Malhiot, Clarence J., assignor.
Redman, Horace E., Wenonah, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,383,510; Aug. 28.
Reidenbach, Ledger L., Houston, assignor to Rosa Suhm, Harris County, Tex. Clamping device. 2,383,683; Aug. 28.
Reinecker, Walter: *See*—
Rembert, E. W., Winter, and Reinecker.
Rembert, Ernest W., Hinsdale, Ill., E. A. Winter, Copperhill, Tenn., and W. Reinecker, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus and method for molding fibrocement sheets. 2,383,736; Aug. 28.
Republic Aviation Corporation: *See*—
Rudnick, Benjamin, assignor.
Research Corporation: *See*—
Hauser, Ernst A., assignor.
Resinous Products & Chemical Company, The: *See*—
Bruson, Herman A., assignor.
Reuther, Harry W.: *See*—
Vester, Ernest A., assignor.
Reynolds, Edwin A., Los Angeles, Calif., assignor to Consolidated Vultee Aircraft Corporation. Retractable step. 2,383,930; Aug. 28
Reynolds, Harold C., Jr.: *See*—
Thomas, R. M., Field, and Reynolds.
Reynolds, Richard S., Richmond, Va. Composite aluminum-alloy sheets and making same. 2,383,511; Aug. 28.
Rice, Edward E., et al: *See*—
Johnson, Melvin M., Jr., assignor.
Rice, Livingston L., Nashville, Tenn., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Gravity actuated switch. 2,383,889; Aug. 28.
Richardson, Albert S., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,737; Aug. 28.
Richardson, Albert S., and W. H. McAllister, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,738; Aug. 28.
Richardson, De Soto E., Wenatchee, Wash. Apple slicer. 2,383,814; Aug. 28.
Richter, Johan C. F. C., Oslo, Norway, assignor to Aktiebolaget Kamyr, Karlstad, Sweden Continuous alkali treatment of fibrous material. 2,383,684; Aug. 28.
Ridd, Ambrose, Louisville, Ky. Vulcanizing apparatus. 2,383,685; Aug. 28.
Riemenschneider, Roy W., Glenside, and J. Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Ternary synergistic antioxidant composition. 2,383,815; Aug. 28.
Riemenschneider, Roy W., Glenside, and J. Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Alkali compounds containing antioxidant compositions. 2,383,816; Aug. 28.
Rinehart, Harry H.: *See*—
Leistensnider, G. P., and Rinehart.
Rival Manufacturing Company, et al.: *See*—
Landry, William J.
Roberts, Kenneth C., Welwyn Garden City, assignor to The British Rubber Producers' Research Association, London, England. Manufacture of adhesive compositions. 2,383,569; Aug. 28.
Robinson, Harry G., Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Cutting off material abrasively. 2,383,741; Aug. 28.
Robinson, John W., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,383,617; Aug. 28.
Robinson, William M., Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical filter. 2,383,890; Aug. 28.
Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Organosilicon compounds. 2,383,817; Aug. 28.
Rochow, Eugene G., and W. F. Gilliam, Schenectady, N. Y., assignors to General Electric Company. Preparation of organosilicon halides. 2,383,818; Aug. 28.
Rockwell, Edward A., West Hartford, assignor to The New Britain Machine Co., New Britain, Conn. Power unit system. 2,383,618; Aug. 28.
Röhm and Haas Company: *See*—
Craig, W. E., and Hester, assignors.
Ronning, Henry O., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger. 2,383,819; Aug. 28.
Rose, Herbert W., Cristobal, C. Z. Engine. 2,383,565; Aug. 28.
Rosenberg, Hans R.: *See*—
Calcott, W., S., Waddell, and Rosenberg.
Rosenblum, Solomon, Princeton, N. J., assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus and method for utilizing ionizing radiations. 2,383,820; Aug. 28.
Rosenthal, Charles, New York, N. Y. Knockdown collapsible closet. 2,383,512; Aug. 28.
Rosner, Juda, Brooklyn, N. Y. Instrument for grinding and polishing diamonds. 2,383,619; Aug. 28.
Ross, John: *See*—
Arrowsmith, C. J., and Ross.
Keim, G. I., and Ross.
Royal, Robert R.: *See*—
Mays, F. R., and Royal.
Rubatex Products, Inc.: *See*—
Pfleumer, Hans, assignor.
Rudd, Wallace C., Yonkers, assignor to Induction Heating Corp., New York, N. Y. Cooling system for vacuum tubes. 2,383,620; Aug. 28.
Rudnick, Benjamin, Huntington, N. Y., assignor to Republic Aviation Corporation. Photomechanical negative. 2,383,566; Aug. 28.
Rudnick, Benjamin, Huntington, N. Y., assignor to Republic Aviation Corporation. Making negatives for line reproduction. 2,383,567; Aug. 28.
Rudnick, Benjamin, Huntington, N. Y. assignor to Republic Aviation Corporation. Light stencil and making same. 2,383,568; Aug. 28.
Russell, Joseph W., assignor to Nashua Manufacturing Company, Nashua, N. H. Thickness measuring device. 2,383,742; Aug. 28.
Russell Manufacturing Company, The: *See*—
Brownlow, D. B., and Feulner, assignors.
Rust, Frederick F., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Recovery of organic peroxides. 2,383,919; Aug. 28.
Ryan Floating Stacker Company: *See*—
Ryan, John E., assignor.
Ryan, John E., assignor to Ryan Floating Stacker Company, Stuart, Iowa. Loading machine. 2,383,686; Aug. 28.
Saalbach, Arthur A., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can closing machine. 2,383,513; Aug. 28.
Sabo, Louis, Astoria, assignor to H. B. Delman, New York, N. Y. Ornamental shoe and making the same. 2,383,514; Aug. 28.
Sabo, Louis, Astoria, assignor to H. B. Delman, New York, N. Y. Cutting device for forming ornamented breast heel flaps. 2,383,515; Aug. 28.
Salomon, Francois M. M. B., Paris, France; vested in the Alien Property Custodian. Oscillation reducing device. 2,383,516; Aug. 28.
Saltz, Morris A., Los Angeles, Calif. Upholstered furniture with removable cover on. 2,383,687; Aug. 28.
Sandoz, Maurice, Vevey La Tour, Switzerland, assignor to Burton T. Bush, Inc., New York, N. Y. Producing a scent fixative. 2,383,517; Aug. 28.
Sargent & Company: *See*—
Voight, Henry G., assignor.
Scanlan, Dennis R., St. Paul, Minn. Apparatus for artificial respiration. 2,383,821; Aug. 28.
Schaefer, Frederic, Pittsburgh, Pa. Brake hanger wear plate. 2,383,743; Aug. 28.
Scheib, Robert C.: *See*—
Plunkett, B., and Scheib.
Schilling, Frederick A., Jr., Vancouver, British Columbia, Canada. Folding door. 2,383,744; Aug. 28.
Schirm, Erik: *See*—
Hentrich, W., Englebrecht, and Schim.
Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Oscillation generator. 2,383,822; Aug. 28.
Schmitt, Richard H., Schenectady, N. Y., assignor to General Electric Company. Electric resistor. 2,383,823; Aug. 28.
Schneider, Elbert D.: *See*—
Kubler, E. F., Schneider, and Nonken.
Schnerb, Isaac: *See*—
Bloch, R., and Schnerb.

Schonitzer, Rudolph I., Shaker Heights, and E. L. Allen, and H. B. Muster, Cleveland Heights, Ohio; said Allen and said Muster assignors to said Schonitzer. Connection box for electrical terminals. 2,383,518; Aug. 28.

Schonitzer, Rudolph I., Shaker Heights, and E. L. Allen, and H. B. Muster, Cleveland Heights, Ohio; said Allen and said Muster assignors to said Schonitzer. Connection box for electrical terminals. 2,383,621; Aug. 28.

Schultz, Arthur C.: *See*—
Bunting, A. L., and Schultz.

Schulz, Waldemar W., Wells, Minn. Combination fluid and friction clutch. 2,383,824; Aug. 28.

Schumacher, John J., Encino, Calif. Container-drum. 2,383,745; Aug. 28.

Schwendler, Christopher S.: *See*—
MacDonald, M. J., and Schwendler, C. S. and F. C.

Schwendler, Frederick C.: *See*—
MacDonald, M. J., and Schwendler, C. S. and F. C.

Scripture, Edward W., Jr., Shaker Heights, Ohio. Cement composition and making same. 2,383,891; Aug. 28.

Scully, Charles T.: *See*—
Chatterjea, P. K., and Scully.

Seaholm, Nils, Mount Vernon, assignor to Carroll W. Prochaska, Tuckahoe, N. Y. Hose clamp. 2,383,920; Aug. 28.

Seiter, Donaldson, assignor to Tungsten Carbide Tool Company, Detroit, Mich. Boring tool. 2,383,688; Aug. 28.

Selas Corporation of America: *See*—
Hess, Frederic O., assignor.

Sellew, David M., Auburn, Ind. Hydrocarbon resistant, light pressure sealing gasket structure. 2,383,570; Aug. 28.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic acetals of unsaturated aldehydes. 2,383,622; Aug. 28.

Severy, Lawrence A.: *See*—
Splaine, E. M., and Severy.

Shapiro, Max C., Los Angeles, Calif. Pocket construction for garments. 2,383,746; Aug. 28.

Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure member. 2,383,747; Aug. 28.

Sharpe, Donald B., North Tonawanda, assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive articles. 2,383,519; Aug. 28.

Shell Development Company: *See*—
Buis, M., and Belchetz, assignors.
Fleer, Alfred W., assignor.
Rust, Frederick F., assignor.

Shelley, Gordon E.: *See*—
Coxon, J. E., Lindsley, and Shelley.

Sherman, Sol, New York, N. Y. Money and article carrying belt. 2,383,748; Aug. 28.

Shinkle, Archie E., Eagleville, Tenn. Calendar. 2,383,892; Aug. 28.

Shook, Earley M., Washington, D. C., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gain control for seismograph amplifiers. 2,383,571; Aug. 28.

Showers, Lewis M., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Internal-combustion motor and method of operating it. 2,383,749; Aug. 28.

Shutt, Richard S.: *See*—
Clark, A., and Shutt.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Two-way plow. 2,383,689; Aug. 28.

Sims, Stuart: *See*—
Falsley, M. J., and Sims.

Six, Walter J., Indianapolis, Ind. Piston expander. 2,383,893; Aug. 28.

Skinner, Jennings B.: *See*—
Burger, L. E., and Skinner.

Sklovsky, Max, Moline, and W. H. Nordenson, Rock Island, assignors to Deere & Company, Moline, Ill. Foot control pedals. 2,383,690; Aug. 28.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Fabrication of tubing. 2,383,520; Aug. 28.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid-operated control system. 2,383,894; Aug. 28.

Smaller War Plants Corporation: *See*—
Gwyn, Childress B., Jr., assignor.

Smeltzer, Christian L. R.: *See*—
Gwinn, Joseph M., and Smeltzer.

Smith, Clifton B.: *See*—
Lyle, M. H., and Smith.

Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston packing. 2,383,825; Aug. 28.

Smith, G. Tucker, et al.: *See*—
Phillips, John X., assignor.

Smith, S. Morgan, Company: *See*—
Hilker, Earl E., assignor.

Smith, Saul S., Buffalo, N. Y. Windshield cleaner. 2,383,750; Aug. 28.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Window construction. 2,383,691; Aug. 28.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Pipe or tube coupling. 2,383,692; Aug. 28.

Socony-Vacuum Oil Company, Incorporated: *See*—
Moran, R. C., Meyer, Otto, and Oberright, assignors.
Otto, F. P., and Meyer, assignors.
Otto, F. P., Meyer, and Moran, assignors.
Redman, H. E., and Fuller, assignors.
Shook, Earley M., assignor.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Purifying ring substituted methyl styrene. 2,383,921; Aug. 28.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Depolymerization of polymers of styrene and ring substituted methyl styrenes. 2,383,922; Aug. 28.

Solar Aircraft Company: *See*—
Burger, L. E., and Skinner, assignors.

Southern Aircraft (Gatwick) Limited, The: *See*—
Coxon, J. E., Lindsley, and Shelley, assignors.

Sowa, Frank J., Cranford, N. J. Separating hydrocarbons and waxes and the products so produced. 2,383,521; Aug. 28.

Spangenberg, Karl, Palo Alto, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electron lens. 2,383,751; Aug. 28.

Spencer, Fred B., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Line usage recorder circuit. 2,383,826; Aug. 28.

Sperry Gyroscope Company, Inc.: *See*—
Esval, O. E., Curry, Fragola, and Beach, assignors.

Spicer, Alvin W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Riveted structure. 2,383,623; Aug. 28.

Spiller, George, assignor to Hercules Powder Company, Wilmington, Del. Resin. 2,383,624; Aug. 28.

Splaine, Edward M., and L. A. Severy, assignors to American Optical Company, Southbridge, Mass. Lens mounting. 2,383,572; Aug. 28.

Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Preparing silicone resins. 2,383,827; Aug. 28.

Standard Catalytic Company: *See*—
Lieber, E., and Hodges, assignors.

Standard Oil Company: *See*—
Dickinson, J. T., Wickham, and Morfit, assignors.
Gray, Worth, assignor.

Standard Oil Company, The: *See*—
Musselman, John M., assignor.

Standard Oil Development Company: *See*—
Blanding, Forrest H., assignor.
Fulton, S. C., and Kearby, assignors.
Lieber, E., and Dean, assignors.
Lieber, E., and Thorner, assignors.
Lynch, Charles S., assignor.
Wurth, Walter A., assignor.
Zimmer, John C., assignor.
Zimmer, J. C., and McNulty, assignors.
Zimmer, J. C., and Morway, assignors.

Standard Telephones and Cables Limited: *See*—
Atkinson, Alan B., assignor.
Chatterjea, P. K., and Scully, assignors.
Maddock, Alan J., assignor.

Stareck, Jesse E., Oakville, and F. Passalacqua, now by judicial change of name, F. Passal, Waterbury, Conn., assignors to United Chromium, Incorporated, New York, N. Y. Depositing copper and baths for use therein. 2,383,895; Aug. 28.

Starr, John H., Mayville, assignor to The Van Brunt Manufacturing Co., Horicon, Wis. Grain drill. 2,383,693; Aug. 28.

Staunton, Le Roy W.: *See*—
Yates, Wm. H., and Staunton.

Steiding, John B.: *See*—
Elvin, W. J., and Steiding.

Steiner, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Free-piston internal-combustion engine. 2,383,625; Aug. 28.

Steiner, Hans, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Cylinder for internal-combustion engines. 2,383,626; Aug. 28.

Steiner, John E., Cambridge, Minn., assignor to Hercules Powder Company, Wilmington, Del. Drying material. 2,383,694; Aug. 28.

Stevenson, Halsey B.: *See*—
Pinkey, P. S., and Stevenson.

Stinson, Everson C., Woolwich, and E. D. Hall, Windham, Maine. Portable former. 2,383,923; Aug. 28.

Stokes, Stanley C.: *See*—
Gee, G., and Stokes.

Suhm, Rosa: *See*—
Reidenbach, Ledger L., assignor.

Sullivan Machinery Company: *See*—
Paget, Win W., assignor.

Sulzer Freres, Société Anonyme: *See*—
Steiner, Hans, assignor.

Super Vent Window Company: *See*—
Gargiulo, Giuseppe, assignor.

Sveda, Michael, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,383,752; Aug. 28.

Swift, Cyrus, Chicago, Ill. Electric motor. 2,383,828; Aug. 28.

Sylvania Industrial Corporation: *See*—
Little, John W., assignor.

Synan, Francis J.: *See*—
Vincent, G. P., Dubeau, and Synan.

Syracuse Chilled Plow Co., Inc.: *See*—
Young, Austin E., assignor.

Taber, Ralph F., North Tonawanda, N. Y. Edging machine. 2,383,896; Aug. 28.

Talge, Foster L., et al.: *See*—
Landry, William J., assignor.

Talge, Henry J., et al.: *See*—
Landry, William J., assignor.

Thacker, Ralph S., West Los Angeles, assignor to L. M. Harvey, La Canada, Calif. Impact welder. 2,383,695; Aug. 28.

Thomas, Robert M., Union, D. C. Field, Linden, and H. C. Reynolds, Jr., Roselle Park, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Polymerization catalyst. 2,383,627; Aug. 28.

Thompson, Francis E., Lawrence, Mass. Lawn mower gear and locking device. 2,383,696; Aug. 28.

Thompson, Loren E., Parkersburg, W. Va. Abrading apparatus. 2,383,829; Aug. 28.

Thoms, Charles D., New York, N. Y. Apparatus for treating liquids. 2,383,522; Aug. 28.

Thornburgh, Ivan D., Leonia, N. J., assignor to American Can Company, New York, N. Y. Flattened can body manufacturing machine. 2,383,523; Aug. 28.

Thorner, Marvin E.: *See*—
Lieber, E., and Thorner.

Thurston, Jack T., Cos Cob, Conn., and J. M. Grim, assignors to American Cyanamid Company, New York, N. Y. α-Naphthylmethyl esters of hydroxy-aliphatic acids. 2,383,897; Aug. 28.

Tidd, Arthur H.: *See*—
Johnson, J. P., and Tidd.

Tishler, Max, Rahway, and R. H. Beutel, Newark, assignors to Merck & Co., Inc., Rahway, N. J. Resolution of racemic alpha-hydroxy-β,β-dimethyl-gamma-butyrolactone. 2,383,524; Aug. 28.

Tomsek, Frank J., Detroit, Mich. Closure plug wrench. 2,383,573; Aug. 28.

Torrington Company, The: *See*—
Lewis, Donald E., assignor.

Traum, Julius A., New York, N. Y. Wrist watch strap. 2,383,628; Aug. 28.

Treacy, Cyril S., Scarsdale, assignor to Mamaroneck Chemical Corporation, Westchester County, N. Y. Treating Waxes. 2,383,629; Aug. 28.

Trent, Walter R., North Arlington, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Production of soap. 2,383,630; Aug. 28.

Trent, Walter R., North Arlington, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Manufacturing soap. 2,383,631; Aug. 28.

Trent, Walter R., North Arlington, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fatty glycerides. 2,383,632; Aug. 28.

Trent, Walter R., North Arlington, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating fatty glycerides. 2,383,633; Aug. 28.

Trimz Company, Inc.: *See*—
Yates, W. H., and Staunton, assignors.

Trotter, John C., Williamsville, and J. L. Jewett, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aerial cannon ammunition feed assist accessory mechanism. 2,383,830; Aug. 28.

Tucker, Nathaniel B., Glendale, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,525; Aug. 28.

Tucker, Nathaniel B., Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,526; Aug. 28.

Tucker, Nathaniel B., Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,739; Aug. 28.

Tucker, Nathaniel B., Louisville, Ky., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Detergent composition. 2,383,740; Aug. 28.

Tungsten Carbide Tool Company: *See*—
Seiter, Donaldson, assignor.

Turer, Jack: *See*—
Riemenschneider, R. W., and Turer.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Ignition control. 2,383,898; Aug. 28.

United Chromium, Incorporated: *See*—
Stareck, J. E., and Passalacqua, assignors.

United Gas Improvement Company, The: *See*—
Chaney, N. K., and Hall, assignors.
Soday, Frank J., assignor.

United Shoe Machinery Corporation: *See*—
Ashworth, Fred, assignor.
Barner, Louis L., assignor.
Fossa, Joseph, assignor.
Paulsen, Hans C., assignor.

Van Brunt Manufacturing Co., The: *See*—
Starr, John H., assignor.

Vester, Ernest A., assignor to H. W. Reuther, Danville, Ill. Refacing tool for crankshaft journals. 2,383,899; Aug. 28.

Vincent, George P., Briarcliff, N. Y., A. L. Dubeau, Rumford, R. I., and J. F. Synan, Fall River, Mass., assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Treatment of cellulosic textile materials. 2,383,900; Aug. 28.

Vogt, Richard R.: *See*—
Hamill, W. H., and Vogt.

Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Latch for hospital doors and the like. 2,383,574; Aug. 28.

Vulcan Corporation: *See*—
Miller, Carl L., assignor.

Waddell, James: *See*—
Calcott, W. S., Waddell and Rosenberg.

Waldorf Paper Products Company: *See*—
Guyer, Reynolds, assignor.
Ronning, Henry O., assignor.

Walker, Ernest, Winnipeg, Manitoba, Canada. Combination extension table and chair. 2,383,831; Aug. 28.

Walker Manufacturing Company of Wisconsin: *See*—
Moss, Chester C., assignor.

Wallace, Percy J.: *See*—
Halford, F. B., and Wallace.

Wallace, Philip B., Sr., San Francisco, Calif. Flange facing tool. 2,383,753; Aug. 28.

Walp, Charles F.: *See*—
Beishline, G. C., and Walp.

Wassman, August H., assignor to Carter Carburetor Corporation, St. Louis, Mo. Turbulence producing valve. 2,383,697; Aug. 28.

Watt, Colin S., Buffalo, N. Y. Driving mechanism for vehicles. 2,383,754; Aug. 28.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Main frame structure for airfoils or the like. 2,383,634; Aug. 28.

Watter, Michael, and G. W. Pancoe, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Airfoil tip construction. 2,383,635; Aug. 28.

Way, Milton T., Port Chester, N. Y., and C. P. Wolff, Glen Rock, N. J. Heater. 2,383,924; Aug. 28.

Weaver, Edgar R.: *See*—
Kemmer, P. H., and Weaver.

Weingartner, Gerald A.: *See*—
Dobmeier, H. J., and Weingartner.

Weinrich, Arthur R.: *See*—
Colbert, W. H., and Weinrich.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Power transmitting device. 2,383,901; Aug. 28.

Wernig, James H., assignor to General Motors Corporation, Detroit, Mich. Automobile door and body ornamentation. 2,383,575; Aug. 28.

West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,383,925; Aug. 28.

Westinghouse Electric Corporation: *See*—
Hanna, Raymond P., assignor.

White, Harry B., Canton, Ohio, assignor to Aircraft-Marine Products, Inc., Elizabeth, N. J. Electrical connector. 2,383,926; Aug. 28.

Whitechester, Thomas J., U. S. Navy. Propeller blade pitch measuring device. 2,383,527; Aug. 28.

Wickham, Henry P.: *See*—
Dickinson, J. T., Wickham, and Morfit.

Wilcox, Philip E., New York, N. Y., assignor to The Leavitt Machine Company, Orange, Mass. Refacing of valve gates. 2,383,755; Aug. 28.

Wiley, William R., Birmingham, Mich. Door latch construction. 2,383,576; Aug. 28.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Intercommunication system. 2,383,832; Aug. 28.

Williams, Emmett C., Pittsburgh, Pa. Testing device for control thermostats. 2,383,756; Aug. 28.

Wingfoot Corporation: *See*—
Zarth, Charles E., assignor.

Winter, Ernest A.: *See*—
Rembert, E. W., Winter, and Reinecker.

Winters, William P., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Transfer mechanism for can parts. 2,383,528; Aug. 28.

Winthrop Chemical Company, Inc.: *See*—
Auerbach, Morris E., assignor.

Wolff, Carl P.: *See*—
Way, M. T., and Wolff.

Wood, Charles W., Schenectady, N. Y., assignor to General Electric Company. Differential cam mechanism. 2,383,833; Aug. 28.

Wurth, Walter A., Cranford, N. J., assignor to Standard Oil Development Company. Temperature control of catalytic reactions. 2,383,636; Aug. 28.

Yamamoto, Ryo, and Takeshi Hara, Taiwan, Japan; vested in the Alien Property Custodian. Extracting vitamin C. 2,383,902; Aug. 28.

Yates, William H., Chicago, and Le R. W. Staunton, Evanston, assignors to Trimz Company, Inc., Chicago, Ill. Wallpaper roll. 2,383,637; Aug. 28.

Yeomans Brothers Company: *See*—
Yeomans, Charles, assignor.

Yeomans, Charles, Hubbard Woods, Ill., assignor to Yeomans Brothers Company. Sewage ejector. 2,383,834; Aug. 28.

Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Plow. 2,383,698; Aug. 28.
Zarth, Charles E., assignor to Wingfoot Corporation, Akron, Ohio. Metal ring. 2,383,577; Aug. 28.
Zenith Optical Company: *See*—
Polan, Lincoln M.
Zenith Radio Corporation: *See*—
Beck, Virgil R., assignor.
Benin, Zolmon, assignor.
Zerbee, Louis J., Bellefontaine, Ohio. Loom. 2,383,903; Aug. 28.
Ziebolz, Herbert, assignor, by mesne assignments, to Electronbeam, Ltd., Chicago, Ill. Force measuring apparatus. 2,383,757; Aug. 28.
Ziebolz, Herbert, assignor, by mesne assignments, to Electronbeam, Ltd., Chicago, Ill. Electronic translating device. 2,383,758; Aug. 28.
Zimmer, John C., Union, N. J., assignor to Standard Oil Development Company. Lubricant manufacture. 2,383,904; Aug. 28.
Zimmer, John C., and G. M. McNulty, Union, N. J., assignor to Standard Oil Development Company. Lubricants. 2,383,905; Aug. 28.
Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Improved manufacture. 2,383,906; Aug. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Instrument, Astronomical. J. A. Millar. Re. 22,670; Aug. 28.
Separation of diolefins. R. C. Morris and H. de V. Finch. Re. 22,671; Aug. 28.
Switching system, Electronic. C. C. Shumard. Re. 22,672; Aug. 28.

LIST OF PLANT INVENTIONS

Apple tree. A. F. Etter. 659; Aug. 28.

LIST OF DESIGN INVENTIONS

Bomb, Aeronautical. R. H. Arbib. 142,293; Aug. 28.
Bracelet. G. J. Lederer. 142,314; Aug. 28.
Bridge for an ophthalmic mounting. W. C. Eaton. 142,316; Aug. 28.
Case with transparent display windows, Cigarette. M. G. Gordon. 142,334; Aug. 28.
Cleaner or similar article, Vacuum. L. H. Snyder. 142,329; Aug. 28.
Compact. J. M. Beveridge. 142,315; Aug. 28.
Compact. A. R. Botham. 142,340–1; Aug. 28.
Dress. E. Hentz. 142,336–7; Aug. 28.
Figurine or similar article. F. Powell. 142,349; Aug. 28.
Frame, Altar card supporting. G. A. Gallik. 142,300; Aug. 28.
Frame for spectacles. A. Di Chiara. 142,332; Aug. 28.
Game apparatus. P. K. Brenner. 142,294; Aug. 28.
Game, Board. C. E. Halbert. 142,318–19; Aug. 28.
Game board. L. Jasper. 142,345; Aug. 28.
Globe and supporting standard, Combined. R. R. Dupler. 142,297–8; Aug. 28.
Goggles. F. W. Maurer. 142,338; Aug. 28.
Holder and applicator, Combination lip rouge. R. Z. Sarff. 142,328; Aug. 28.
Horse, Rocking. A. E. Jury. 142,346; Aug. 28.
Incinerator. A. A. Helwig 142,320; Aug. 28.
Key chain with front action pencil tip, License holder. M. E. Trollen. 142,330; Aug. 28.
Lighter. A. A. Hellman. 142,301; Aug. 28.
Lure, Fishing. N. G. Poplin. 142,305; Aug. 28.
Metalworking machine, Single spindle automatic. A. E. Drissner. 142,333; Aug. 28.
Necktie or similar article. R. Ettman. 142,309–13; Aug. 28.
Opener, Can. H. J. Talge and C. Martyr. 142,307; Aug. 28.
Rack, Towel. A. Marchand. 142,304; Aug. 28.
Rest, Finger. P. McPharlin. 142,327; Aug. 28.
Scaffold unit. L. A. Reiner. 142,350; Aug. 28.
Shaft for andirons, Vertical. E. O. Crocker. 142,295–6; Aug. 28.
Ship or similar article. C. Hannevig. 142,335; Aug. 28.
Slipper or similar article, Child's. H. E. Rosen. 142,339; Aug. 28.
Toaster and cooker, Combination. O. E. Stelzer. 142,308; Aug. 28.
Tower, Water-cooling. J. G. De Flon and G. W. Meyer. 142,342; Aug. 28.
Toy. C. W. Judd. 142,321–5; Aug. 28.
Toy bank or similar article. J. B. Lenhart. 142,347; Aug. 28.
Toy crib. R. H. Penndorf. 142,348; Aug. 28.
Toy phonograph. C. H. Hyman. 142,344; Aug. 28.
Toy, Wheeled. L. R. Laskey. 142,302–3; Aug. 28.
Toy, Wheeled. R. E. Stowell. 142,351; Aug. 28.
Truck, Store service. A. J. Smith. 142,306; Aug. 28.
Uniform. A. M. Berger. 142,331; Aug. 28.
Vestee and hood, Combined. H. Kaufman. 142,326; Aug. 28.
Walker and stroller, Combination baby. F. P. Fletcher. 142,343; Aug. 28.
Walker, Baby. F. P. Fletcher. 142,299; Aug. 28.
Yo-yo, top, and whistle, Combined. H. E. Elfmont. 142,317; Aug. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. L. E. Thompson. 2,383,829; Aug. 28.
Abrasive articles, Manufacture of. D. B. Sharpe. 2,383,519; Aug. 28.
Acetals of unsaturated aldehydes, Cyclic. M. Senkus. 2,383,622; Aug. 28.
Acetylene by a cryogenic method, Absorption and recovery of. W. H. Hamill and R. R. Vogt. 2,383,547; Aug. 28.
Acetylene from gaseous mixtures, Separation of. R. M. Isham. 2,383,551; Aug. 28.
Acid triphosphates as builders for alkyl sulphates and other soapless detergents. O. T. Quimby. 2,383,502; Aug. 28.
Adhesive compositions, Manufacture of. K. C. Roberts. 2,383,569; Aug. 28.
Aerial cannon ammunition feed assist accessory mechanism. J. C. Trotter and J. L. Jewett. 2,383,830; Aug. 28.
Aircraft, Amphibian. C. T. Ludington. 2,383,870; Aug. 28.
Aircraft control means. H. J. Dobmeier and G. A. Weingartner. 2,383,779; Aug. 28.
Aircraft structures, Method and apparatus for testing. P. H. Kemmer and E. R. Weaver. 2,383,491; Aug. 28.
Airplane heater. F. O. Hess. 2,383,650; Aug. 28.
Airplane pickup mechanism. J. X. Phillips. 2,383,680; Aug. 28.
Airplane tire construction. C. H. McClaskey. 2,383,662; Aug. 28.
Alkali compounds containing antioxidant compositions. R. W. Riemenschneider and J. Turer. 2,383,816; Aug. 28.
Alkali treatment of fibrous material, Continuous. J. C. F. C. Richter. 2,383,684; Aug. 28.
Alkenals and alkenones, Preparation of. A. Clark and R. S. Shutt. 2,383,711; Aug. 28.
Amplifier, Potential ratio-controlled. C. W. Hansell. 2,383,855; Aug. 28.
Ampoule filling and conveying machine. W. T. Barker. 2,383,700; Aug. 28.
Anchoring device. C. S. Crickmer. 2,383,453; Aug. 28.
Antenna, Loop. A. G. Kandoian. 2,383,490; Aug. 28.
Antenna system. A. J. Maddock. 2,383,730; Aug. 28.
Antimalarial and making the same. M. E. Auerbach. 2,383,458; Aug. 28.
Antioxidant composition, Ternary synergistic. R. W. Riemenschneider and J. Turer. 2,383,815; Aug. 28.
Antirachitic materials and their production. W. S. Calcott, J. Waddell and H. R. Rosenberg. 2,383,446; Aug. 28.
Apparatus and method for molding fibrocement sheets. E. W. Rembert, E. A. Winter and W. Reinecker. 2,383,736; Aug. 28.
Apparatus and method for utilizing ionizing radiations. S. Rosenblum. 2,383,820; Aug. 28.
Apparatus for artificial respiration. D. R. Scanlan. 2,383,821; Aug. 28.
Apparatus for drying. F. H. Denner. 2,383,474; Aug. 28.
Apparatus for mounting foundations. G. A. Carpenter. 2,383,708; Aug. 28.
Apparatus for producing metallic magnesium. F. J. Hansgirg. 2,383,856; Aug. 28.
Apparatus for the control of internal-combustion engines. F. B. Halford and P. J. Wallace. 2,383,719; Aug. 28.
Apparatus for treating liquids. C. D. Thoms. 2,383,522; Aug. 28.
Apparatus for X-ray analysis. W. L. Bond. 2,383,764; Aug. 28.
Asphalt, Treating. S. Caplan. 2,383,769; Aug. 28.
Automatic rectifying device. E. H. Haug. 2,383,722; Aug. 28.
Automobile jack. E. López. 2,383,661; Aug. 28.
Awning, Metallic. A. C. Ferguson. 2,383,639; Aug. 28.
Bacteria, Destroying. H. A. Beechem and F. W. Fabian. 2,383,907; Aug. 28.
Bag forming machine. S. H. Berch. 2,383,842; Aug. 28.
Balancing machine. S. Bousky. 2,383,588; Aug. 28.
Beam letoff. B. Plunkett and R. C. Scheib. 2,383,562; Aug. 28.
Bearing and making the same, Unit-type anti-friction. D. E. Lewis. 2,383,727; Aug. 28.
Bed covering, Quilted. R. Davis. 2,383,592; Aug. 28.
Belt, Money and article carrying. S. Sherman. 2,383,748; Aug. 28.
Bituminous materials, Making. W. Becker and W. Maass. 2,383,701; Aug. 28.

Bombs, Incendiary. S. B. Hamilton. 2,383,720; Aug. 28.
Boot holder. H. W. Hill. 2,383,651; Aug. 28.
Boring tool. D. Seiter. 2,383,688; Aug. 28.
Bottle filler and capper machine. R. F. Dorrell. 2,383,781; Aug. 28.
Box for electrical terminals, Connection. R. I. Schonitzer, E. L. Allen and H. B. Muster. 2,383,518; Aug. 28.
Box for electrical terminals, Connection. R. I. Schonitzer, E. L. Allen and H. B. Muster. 2,383,621; Aug. 28.
Box switch. J. A. Hallander. 2,383,546; Aug. 28.
Brassière. L. Kaunitz. 2,383,804; Aug. 28.
Building structure, Apartment. G. H. Burrows. 2,383,445; Aug. 28.
Burnish gold. K. H. Ballard. 2,383,704; Aug. 28.
Button sewing machine. W. T. Maxant. 2,383,875; Aug. 28.
Calendar. A. E. Shinkle. 2,383,892; Aug. 28.
Calcium naphthenate in hydrocarbon extraction. M. Buis and L. Belchetz. 2,383,768; Aug. 28.
Calculating machine. W. E. Mathi. 2,383,731; Aug. 28.
Cam mechanism, Differential. C. W. Wood. 2,383,833; Aug. 28.
Can body manufacturing machine, Flattened. I. D. Thornburgh. 2,383,523; Aug. 28.
Can closing machine. A. A. Saalbach. 2,383,513; Aug. 28.
Cap: *See*—
Nut and bolt cap.
Capillary acting agents. W. Hentrich, H. J. Engelbrecht and E. Schirm. 2,383,859; Aug. 28.
Carboy container. O. Fisher. 2,383,717; Aug. 28.
Carcass dipping apparatus. A. G. Ackermann. 2,383,835; Aug. 28.
Car underframe. J. C. Abel. 2,383,578; Aug. 28.
Carrier: *See*—
Tire carrier.
Cart for golf bags and the like. N. E. Boughton. 2,383,587; Aug. 28.
Casting, Centrifugal. H. E. Bremer. 2,383,442; Aug. 28.
Catalytic dehydrogenation. S. C. Fulton and K. K. Kearby. 2,383,643; Aug. 28.
Catalyst chamber apparatus. J. W. Loy. 2,383,729; Aug. 28.
Cement composition and making same. E. W. Scripture, Jr. 2,383,891; Aug. 28.
Check valve. J. Hirshstein. 2,383,481–2; Aug. 28.
Chemical compounds from materials of nature, Isolating. H. G. Petering and P. W. Morgal. 2,383,561; Aug. 28.
Chemical process. J. W. Robinson. 2,383,617; Aug. 28.
Chemical process. M. Sveda. 2,383,752; Aug. 28.
Circuit: *See*—
Line usage recorder circuit.
Modulation circuit.
Power output amplifier circuit.
Reactance control circuit.
Self-balancing inverter circuit.
Thermoelectric control circuit.
Circuit arrangement, Amplifier. T. H. Price. 2,383,888; Aug. 28.
Circuits, Thermionic valve. P. K. Chatterjea and C. T. Scully. 2,383,710; Aug. 28.
Clamp: *See*—
Hose clamp.
Skin clamp.
Welder's clamp.
Clamping device. L. L. Reidenbach. 2,383,683. Aug. 28.
Cleaner: *See*—
Windshield cleaner.
Cleaning and coating glass, plastics, and other surfaces. W. H. Colbert and A. R. Weinrich. 2,383,469; Aug. 28.
Cleaning and surface-coating glass and the like, Method of and apparatus for. W. L. Morgan. 2,383,470; Aug. 28.
Cleaning composition, Hand. J. D. Morgan and R. E. Lowe. 2,383,610; Aug. 28.
Clip: *See*—
Floor clip.
Closet, Knockdown collapsible. C. Rosenthal. 2,383,512; Aug. 28.
Closure member. J. E. Sharp. 2,383,747; Aug. 28.
Closure plug wrench. F. J. Tomsek. 2,383,573; Aug. 28.
Clutch: *See*—
Combination fluid and friction clutch.
Clutch and bearing construction. A. Y. Dodge. 2,383,595; Aug. 28.
Coating composition. C. B. Hemming. 2,383,548; Aug. 28.
Coin control mechanism for vending machines, Multiple. B. A. Andalikiewicz, D. T. Carlson and J. E. Hagstrom. 2,383,438; Aug. 28.

Collet. S. B. Martin. 2,383,508; Aug. 28.
Comb. A. A. Dapolito. 2,383,713; Aug. 28.
Combination fluid and friction clutch. W. W. Schulz. 2,383,824; Aug. 28.
Composite aluminum-alloy sheets and making same. R. S. Reynolds. 2,383,511; Aug. 28.
Composition for cleaning and pickling ferrous metals. P. S. Pinkney and H. B. Stevenson. 2,383,681; Aug. 28.
Condensation of nitroalkanes with ketones. M. S. Larrison and H. B. Hass. 2,383,603; Aug. 28.
Condensation products and preparing and using the same. E. Lieber and M. E. Thorner. 2,383,606; Aug. 28.
Connector: *See*—
Electrical connector.
Container: *See*—
Carboy container.
Container. R. Guyer. 2,383,853; Aug. 28.
Container. J. Leshin. 2,383,726; Aug. 28.
Container-drum. J. J. Schumacher. 2,383,745; Aug. 28.
Container filling system. W. McK. Martin. 2,383,507; Aug. 28.
Container for dynamite, Paper. E. A. Godfrey. 2,383,542; Aug. 28.
Control for seismograph amplifiers, Gain. E. M. Shook. 2,383,571; Aug. 28.
Control for servomotors, Two-hand. W. F. Gayring. 2,383,851; Aug. 28.
Control mechanism, Locomotive drifting. R. P. Delano, Jr. 2,383,534; Aug. 28.
Control mechanism for change-speed gearing. G. T. Randol. 2,383,616; Aug. 28.
Control system. C. B. Huston. 2,383,799; Aug. 28.
Control system, Fluid-operated. W. W. Sloane. 2,383,894; Aug. 28.
Control valve. E. R. Price. 2,383,682; Aug. 28.
Cooling system for vacuum tubes. W. C. Rudd. 2,383,620; Aug. 28.
Copolymers of diolefins and unsaturated ketones, Production of rubberlike. R. R. Dreisbach. 2,383,782; Aug. 28.
Copper ammonium acetate extraction and purification method. A. W. Fleer. 2,383,784; Aug. 28.
Copper and baths for use therein, Depositing. J. E. Stareck and F. Passalacqua. 2,383,895; Aug. 28.
Counter for fluid meters, Predetermining. W. F. Berck. 2,383,702; Aug. 28.
Countersink device. J. M. Gwinn, Jr., and C. L. R. Smeltzer. 2,383,854; Aug. 28.
Coupling: *See*—
Flexible coupling.
Fluid handling coupling.
Pipe or tube coupling.
Coupling device, Ultra high frequency wave. R. Hardy and P. de Maertelaere. 2,383,857; Aug. 28.
Cover for paper containers. C. Barbieri. 2,383,760; Aug. 28.
Crutch. D. B. Gish. 2,383,786; Aug. 28.
Cutter assembly for can openers. W. J. Landry. 2,383,929; Aug. 28.
Cutting device for forming ornamented breast heel flaps. L. Sabo. 2,383,515; Aug. 28.
Cutting off material abrasively. H. G. Robinson. 2,383,741; Aug. 28.
Cylinder for internal-combustion engines. H. Steiner. 2,383,626; Aug. 28.
Decorative effects in polystyrene moldings. R. R. Bradshaw. 2,383,765; Aug. 28.
Decorticating. C. J. Delegard and R. Kreutz. 2,383,778; Aug. 28.
Detergent composition. A. S. Richardson. 2,383,737; Aug. 28.
Detergent composition. A. S. Richardson and W. H. McAllister. 2,383,738; Aug. 28.
Detergent composition. N. B. Tucker. 2,383,525–6; Aug. 28.
Detergent composition. N. B. Tucker. 2,383,739–40; Aug. 28.
Device for golf putting, Practice. H. A. Kling. 2,383,866; Aug. 28.
Device for the operation of the controls of airplanes. R. A. A. Couzinet. 2,383,845; Aug. 28.
Dicyanoethyl acetoacetic acid compounds. H. A. Bruson. 2,383,444; Aug. 28.
Dies, Making preliminary shaping. L. E. Burger and J. B. Skinner. 2,383,706; Aug. 28.
Digger, Peanut or potato. R. J. McClenny. 2,383,506; Aug. 28.
Dispenser: *See*—
Drink dispenser.
Display mount support. C. N. Cross. 2,383,776; Aug. 28.
Door: *See*—
Folding door.
Door and body ornamentation, Automobile. J. H. Wernig. 2,383,575; Aug. 28.
Double purpose tool. C. E. Bown. 2,383,464; Aug. 28.
Dough dividing machine. I. Elliott. 2,383,536; Aug. 28.
Dough, Treating. M. Cohen, D. W. Enoch, G. Hasty, and G. A. Jorgenson. 2,383,774; Aug. 28.
Draft gear. E. P. Kinne. 2,383,656; Aug. 28.
Drill: *See*—
Grain drill.
Drill mechanism. W. W. Paget. 2,383,499; Aug. 28.
Drink dispenser. T. B. Chace. 2,383,771; Aug. 28.
Driving mechanism for vehicles. C. S. Watt. 2,383,754; Aug. 28.
Dust exhausting device for surfacing wheels. H. G. Elsler. 2,383,454; Aug. 28.
Dyestuff and starting material therefor, Preparation of a green. R. Bloch and I. Schnerb. 2,383,762; Aug. 28.
Dynamoelectric machine. T. W. Moore. 2,383,669; Aug. 28.
Edging machine. R. F. Taber. 2,383,896; Aug. 28.
Electric motor. C. Swift. 2,383,828; Aug. 28.
Electric motor control system. H. S. Ogden. 2,383,813; Aug. 28.
Electric resistor. R. H. Schmitt. 2,383,823; Aug. 28.
Electric switch. P. B. Korneke. 2,383,805; Aug. 28.
Electric welding apparatus. G. G. Landis and N. J. Hoenie. 2,383,725; Aug. 28.
Electrical connector. S. N. Buchanan. 2,383,909; Aug. 28.
Electrical connector. H. B. White. 2,383,926; Aug. 28.
Electrical filter. W. M. Robinson. 2,383,890; Aug. 28.
Electrical measuring system. A. Carson and I. Payne. 2,383,770; Aug. 28.
Electrode and method, Glass. H. H. Cary and W. P. Baxter. 2,383,709; Aug. 28.
Electrode structure for pH measurement and control devices. E. D. Coleman. 2,383,450; Aug. 28.
Electron discharge device. J. W. West. 2,383,925; Aug. 28.
Electronic translating device. H. Ziebolz. 2,383,758; Aug. 28.
Electroplating. R. O. Hull. 2,383,798; Aug. 28.
Engine: *See*—
Free-piston internal-combustion engine.
Internal-combustion engine.
Engine. H. W. Rose. 2,383,565; Aug. 28.
Envelope and insert, Mailing. C. A. Holmblad and W. Englund. 2,383,652; Aug. 28.
Esters of hydroxy-aliphatic acids, α-Naphthylmethyl. J. T. Thurston and J. M. Grim. 2,383,897; Aug. 28.
Ethers of polyhydric alcohols, Cyano-alkyl. H. A. Bruson. 2,383,443; Aug. 28.
Expanded cell tight rubber avoidance of surface stickiness. H. Pfleumer. 2,383,734; Aug. 28.
Expander, Piston. W. J. Six. 2,383,893; Aug. 28.
Fats and fatty oils, Treating. H. D. Allen and W. A. Kline. 2,383,579; Aug. 28.
Fats and fatty oils, Treating. G. I. Keim. 2,383,601; Aug. 28.
Fatty materials, Preparing. C. J. Arrowsmith and J. Ross. 2,383,581; Aug. 28.
Fatty materials, Treating. C. J. Arrowsmith and J. Ross. 2,383,580; Aug. 28.
Faucet, Swing. F. Klein. 2,383,724; Aug. 28.
Feed mechanism of machine and like automatic guns. J. Dobřemysl. 2,383,780; Aug. 28.
Feeder: *See*—
Sheet feeder.
Feeding apparatus for chicks. M. P. Niersbach. 2,383,732; Aug. 28.
Fibrocementitious sheets, Manufacture of. J. Driscoll. 2,383,716; Aug. 28.
Filter: *See*—
Electrical filter.
Filter. W. J. Neisingh. 2,383,672; Aug. 28.
Filtering device. P. B. Kraus. 2,383,868; Aug. 28.
Flange facing tool. P. B. Wallace. 2,383,753; Aug. 28.
Flexible coupling. R. M. Dilworth. 2,383,850; Aug. 28.
Floor clip. J. A. MacLean, Jr. 2,383,808; Aug. 28.
Fluid handling coupling. D. M. Phillips. 2,383,679; Aug. 28.
Folding door. F. A. Schilling, Jr. 2,383,744; Aug. 28.
Foot corrective appliance. M. L. Becker. 2,383,583; Aug. 28.
Force measuring apparatus. H. Ziebolz. 2,383,757; Aug. 28.
Force measuring device. F. Krickler. 2,383,554; Aug. 28.
Foundation block structure. N. J. Guimont. 2,383,544; Aug. 28.
Frame structure for airfoils or the like, Main. M. Watter. 2,383,634; Aug. 28.
Free-piston internal-combustion engine. H. Steiner. 2,383,625; Aug. 28.
Frequency modulation receiver. M. G. Crosby. 2,383,847; Aug. 28.
Friction elements. M. T. Harvey. 2,383,790; Aug. 28.
Fuel control device for internal-combustion engines. A. C. Pugh, D. G. Booth, and P. J. Jarvis. 2,383,563; Aug. 28.
Furniture, Foldable article of. C. Ashmusen. 2,383,837; Aug. 28.
Furniture with removable cover on, Upholstered. M. A. Saltz. 2,383,687; Aug. 28.
Fuse plug. G. E. Holmes. 2,383,484; Aug. 28.
Garment hanger. H. O. Ronning. 2,383,819; Aug. 28.
Gas burning apparatus. T. B. Focke, J. A. Dahlstrom, and J. R. Kirkpatrick. 2,383,641; Aug. 28.
Gas mixture for methanol, Production of. F. W. de Jahn. 2,383,715; Aug. 28.
Gas regulator. J. P. Johnson and A. H. Tidd. 2,383,801; Aug. 28.

Gasket structure, Hydrocarbon resistant, light pressure sealing. D. M. Sellew. 2,383,570; Aug. 28.
Gear: *See*—
Draft gear.
Gear and locking device, Lawn mower. F. E. Thompson. 2,383,696; Aug. 28.
Generator: *See*—
Oscillation generator. Subharmonic generator.
Generator drive. E. S. MacPherson. 2,383,872; Aug. 28.
Glycerides, Treating fatty. G. A. Glossop. 2,383,599; Aug. 28.
Glycerides, Treating fatty. W. R. Trent. 2,383,632–3; Aug. 28.
Glycerides, Treating fatty. E. E. Dreger. 2,383,596; Aug. 28.
Glycerides, Treatment of fatty. G. I. Keim and J. Ross. 2,383,602; Aug. 28.
Glycerides, Treatment of fatty. J. H. Percy. 2,383,614; Aug. 28.
Grain drill. J. H. Starr. 2,383,693; Aug. 28.
Grave marker. G. K. Guenther. 2,383,787; Aug. 28.
Gravity actuated switch. L. L. Rice. 2,383,889; Aug. 28.
Grease trap. C. Arndt. 2,383,436; Aug. 28.
Grip, Firing. J. M. Colby. 2,383,471; Aug. 28.
Guard, Bearing. J. S. Caruthers. 2,383,531; Aug. 28.
Gun, Automatic. M. M. Johnson, Jr. 2,383,487; Aug. 28.
Gyro caging mechanism. A. M. MacCallum and P. A. Noxon. 2,383,663; Aug. 28.
Hair curling device. N. G. Morton. 2,383,612; Aug. 28.
Hanger: *See*—
Garment hanger. Picture hanger.
Hanger for wearing apparel. J. A. Deerfsun. 2,383,593; Aug. 28.
Harness. E. S. Jefferson. 2,383,552; Aug. 28.
Heater: *See*—
Airplane heater.
Heater. M. T. Way and C. P. Wolff. 2,383,924; Aug. 28.
Heating and ventilating apparatus for motor vehicles. H. J. Findley. 2,383,640; Aug. 28.
Heel, Spring wedge. C. L. Miller. 2,383,877; Aug. 28.
Helmet, Protective. L. G. Feman. 2,383,597; Aug. 28.
Holder: *See*—
Boot holder. Shoe holder.
Honing device. J. B. Klein. 2,383,657; Aug. 28.
Hormones, Preparing steroidal. H. M. Crooks, Jr., and E. M. Jones. 2,383,472; Aug. 28.
Hose clamp. N. Seaholm. 2,383,920; Aug. 28.
Hydraulic press. E. T. Masculine. 2,383,810; Aug. 28.
Hydrocarbons and waxes and the products so produced, Separating. F. J. Sowa. 2,383,521; Aug. 28.
Hydrocarbons, Production of valuable. N. K. Chaney and E. L. Hall. 2,383,772; Aug. 28.
Ice tray, Ferrous metal. A. L. Bunting and A. C. Schultz. 2,383,589; Aug. 28.
Ignition control. S. M. Udale. 2,383,898; Aug. 28.
Ignition system for internal-combustion engines. W. L. Mayo. 2,383,876; Aug. 28.
Improved manufacture. J. C. Zimmer and A. J. Morway. 2,383,906; Aug. 28.
Indicating instrument, Flight level. B. W. H. Cocks. 2,383,468; Aug. 28.
Indicator: *See*—
Tension indicator.
Indicator for magnetic fields. L. F. Beach. 2,383,459; Aug. 28.
Indicator system, Vacuum gauge. I. E. Grosdoff. 2,383,600; Aug. 28.
Insecticidal compositions. W. E. Craig and W. F. Hester. 2,383,775; Aug. 28.
Insecticidal compositions. A. W. Ralston, J. P. Barrett, and M. R. McCorkle. 2,383,564; Aug. 28.
Instrument for grinding and polishing diamonds. J. Rosner. 2,383,619; Aug. 28.
Intercommunication system. A. L. W. Williams. 2,383,832; Aug. 28.
Internal-combustion engine. F. C. Hawkins. 2,383,648; Aug. 28.
Internal-combustion engine. A. E. Osborn. 2,383,883; Aug. 28.
Internal combustion system. W. S. Adams. 2,383,836; Aug. 28.
Interrupter switch. G. E. Heberlein and F. L. Kradel. 2,383,795; Aug. 28.
Iron: *See*—
Soldering iron.
Isomerization process. C. S. Lynch. 2,383,608; Aug. 28.
Isomerization process, Novel. F. H. Blanding. 2,383,586; Aug. 28.
Jack: *See*—
Automobile jack.
Jig boring machine. W. J. S. Johnson. 2,383,635; Aug. 28.
Journals, Refacing tools for crankshaft. E. A. Vester. 2,383,899; Aug. 28.
Ketones, Preparing. R. Hueter. 2,383,863; Aug. 28.
Lacing machine, Shoe upper. J. Fossa. 2,383,538; Aug. 28.
Lasting shoes. M. Cuozzo. 2,383,712; Aug. 28.
Latch construction, Door. W. R. Wiley. 2,383,576; Aug. 28.
Latch for hospital doors and the like. H. G. Voight. 2,383,574; Aug. 28.
Lateral wells in fluid-saturable earth, Method and apparatus for installing. R. Nebolsine. 2,383,496; Aug. 28.
Launching device and carrier, Airplane. H. C. Parker. 2,383,559; Aug. 28.
Leaks in wells, Method and apparatus for locating. H. G. Abadie. 2,383,455; Aug. 28.
Lens, Electron. K. Spangenberg. 2,383,751; Aug. 28.
Lens mounting. E. M. Splaine and L. A. Severy. 2,383,572; Aug. 28.
Lenses, Method and apparatus for grinding. A. G. Powell. 2,383,501; Aug. 28.
Line appliance, Retractable. J. O. Johnston. 2,383,802; Aug. 28.
Line usage recorder circuit. F. B. Spencer. 2,383,826; Aug. 28.
Loading machine. J. E. Ryan. 2,383,686; Aug. 28.
Lock: *See*—
Mold lock.
Loom. L. J. Zerbee. 2,383,903; Aug. 28.
Lubricant. J. D. Morgan. 2,383,917; Aug. 28.
Lubricant and preparation. E. Lieber and R. M. Dean. 2,383,869; Aug. 28.
Lubricant manufacture. J. C. Zimmer. 2,383,904; Aug. 28.
Lubricants. J. D. Morgan. 2,383,915–16; Aug. 28.
Lubricants. J. C. Zimmer and G. M. McNulty. 2,383,905; Aug. 28.
Lubricants and preparation thereof. E. Lieber and C. E. Hodges. 2,383,605; Aug. 28.
Lubricants, Preparation of. J. M. Musselman. 2,383,495; Aug. 28.
Lubrication system control valve. L. T. Miller. 2,383,878; Aug. 28.
Machine for making corded tape. D. B. Brownlow and J. Feulner. 2,383,767; Aug. 28.
Machine for making decorative paper strips. P. A. Hilliard. 2,383,797; Aug. 28.
Machine for playing card games. J. J. Hickey. 2,383,860; Aug. 28.
Magnesium from scrap, Reclaiming. Y. E. Lebedeff. 2,383,659; Aug. 28.
Magnetic field responsive device. J. C. Purves and L. F. Beach. 2,383,460; Aug. 28.
Marking device. S. A. Hamnett. 2,383,646; Aug. 28.
Mask for parachute escape devices, Breathing. J. A. Heidbrink. 2,383,649; Aug. 28.
Material, Drying. J. E. Steiner. 2,383,694; Aug. 28.
Measuring device. W. Homan and R. S. Hull. 2,383,550; Aug. 28.
Measuring device, Oil well bailer line. J. G. Bouslog. 2,383,844; Aug. 28.
Measuring device, Thickness. J. W. Russell. 2,383,742; Aug. 28.
Metal cleaning composition and process. A. D. Johnson. 2,383,800; Aug. 28.
Metal products, Manufacture of. H. A. Brassert. 2,383,766; Aug. 28.
Metal ring. C. E. Zarth. 2,383,577; Aug. 28.
Meter: *See*—
Radiographic exposure meter.
Meter for magnetos, Test. D. F. McClellan and H. Chasen. 2,383,557; Aug. 28.
Methyl styrene, Purifying ring substituted. F. J. Soday. 2,383,921; Aug. 28.
Mill. J. Alexander. 2,383,437; Aug. 28.
Millable composition. M. T. Harvey. 2,383,789; Aug. 28.
Milling machine. R. S. Condon. 2,383,910; Aug. 28.
Mirror retaining means. A. Marchand. 2,383,809; Aug. 28.
Modulation circuit. A. Alford and G. K. Patterson. 2,383,456; Aug. 28.
Mold and fabrication method. L. Navias. 2,383,812; Aug. 28.
Mold lock. H. M. Louden and C. W. McCreery. 2,383,556; Aug. 28.
Motion picture apparatus. M. V. Mercer. 2,383,493; Aug. 28.
Motor: *See*—
Electric motor.
Motor and shimmy dampener for airplane landing gear wheels, Hydraulic steering. H. L. Chisholm, Jr. 2,383,773; Aug. 28.
Motor and operating it, Internal-combustion. L. M. Showers. 2,383,749; Aug. 28.
Motor vehicle. J. P. Marcy. 2,383,611; Aug. 28.
Mount, Camera objective holder. G. Baer. 2,383,439; Aug. 28.
Mount, Laminated slide film. J. J. Bradford. 2,383,465; Aug. 28.
Mounting: *See*—
Lens mounting.
Mower. W. J. Coultas. 2,383,452; Aug. 28.
Negative, Photomechanical. B. Rudnick. 2,383,566; Aug. 28.
Negatives for line reproduction, Making. B. Rudnick. 2,383,567; Aug. 28.
Nitrotoluene, Top separation of. M. H. Carl. 2,383,707; Aug. 28.
Nut and bolt cap. A. H. Boelter. 2,383,703; Aug. 28.
Nut, Self-locking. C. B. Gwyn. 2,383,545; Aug. 28.
Oil, Coal spray. W. Gray. 2,383,543; Aug. 28.

Oil composition, Mineral. F. P. Otto and R. E. Meyer. 2,383,497; Aug. 28.
Oil composition, Mineral. F. P. Otto, R. E. Meyer, and R. C. Moran. 2,383,498; Aug. 28.
Oil composition, Mineral. R. C. Moran, R. E. Meyer, R. P. Otto, and E. A. Oberright. 2,383,494; Aug. 28.
Oil composition, Mineral. H. E. Redman and E. W. Fuller. 2,383,510; Aug. 28.
Oils, Propane fractionation of heavy. J. T. Dickinson, H. P. Wickham, and O. Morfit. 2,383,535; Aug. 28.
Olefin polymers, Depolymerization of. L. U. Franklin and E. E. Dunlay. 2,383,642; Aug. 28.
Ores, Flotation of iron. J. B. Clemmer and B. H. Clemmons. 2,383,467; Aug. 28.
Organosilicon compounds. E. G. Rochow. 2,383,817; Aug. 28.
Organosilicon halides, Preparation of. E. G. Rochow and W. F. Gilliam. 2,383,818; Aug. 28.
Ornament, Ear. C. Christy. 2,383,448; Aug. 28.
Oscillation generator. K. Schlesinger. 2,383,822; Aug. 28.
Oscillation reducing device. F. M. M. B. Salomon. 2,383,516; Aug. 28.
P-aminobenzenesulphonamides and their manufacture. H. Martin, R. Hirt, and O. Neracher. 2,383,874; Aug. 28.
Package. J. W. Little. 2,383,728; Aug. 28.
Pad: *See*—
Pencil-bonded memorandum pad.
Paper rolls, Abrasive. H. Mock. 2,383,879; Aug. 28.
Paper, Transparentizing. J. G. Little. 2,383,660; Aug 28.
Parachute release. J. W. Irby. 2,383,485; Aug. 28.
Parallel arrangement of geiger-muller counters. H. Friedman. 2,383,477; Aug. 28.
Patterns for glide paths, Controlling horizontal. A. G. Kandoian. 2,383,489; Aug. 28.
Pedals, Foot control. M. Sklovsky and W. H. Nordenson. 2,383,690; Aug. 28.
Pencil-bonded memorandum pad. C. C. Harris. 2,383,858; Aug. 28.
Peroxides, Recovery of organic. F. F. Rust. 2,383,919; Aug. 28.
Photographic printer. S. A. Foster. 2,383,785; Aug. 28.
Pickup for wind instruments, Electrical. A. Johnson. 2,383,553; Aug. 28.
Pipe hanger. C. O. Larson. 2,383,658; Aug. 28.
Pipe-cutting machine. G. J. Lovers and T. Karan. 2,383,607; Aug. 28.
Pipe, Manufacture of bell-end. R. L. Barbehenn. 2,383,582; Aug. 28.
Pipe or tube coupling. T. R. Smith. 2,383,692; Aug. 28.
Piston packing. D. M. Smith. 2,383,825; Aug. 28.
Pitch measuring device, Propeller blade. T. J. Whitechester. 2,383,527; Aug. 28.
Plane, Wood. H. H. Benn. 2,383,841; Aug. 28.
Plant support. L. Malicay. 2,383,665; Aug. 28.
Plastic compositions, Hardenable. M. J. MacDonald, C. S. and F. C. Schwendler. 2,383,609; Aug. 28.
Plate, Brake hanger wear. F. Schaefer. 2,383,743; Aug. 28.
Plates, Flanging bimetallic. G. C. Beishline and C. F. Walp. 2,383,584; Aug. 28.
Plow. A. E. Young. 2,383,698; Aug. 28.
Plow, Two-way. W. H. Silver. 2,383,689; Aug. 28.
Plug: *See*—
Fuse plug.
Pocket construction for garments. M. C. Shapiro. 2,383,746; Aug. 28.
Poke, Animal. A. Gardell. 2,383,718; Aug. 28.
Polishing compound. L. M. Polan. 2,383,500; Aug. 28.
Polycarboxylic acid condensate of a terpene alcohol-formaldehyde product. M. T. Harvey. 2,383,791; Aug. 28.
Polycondensation products, Production of. O. Moldenhauer and H. Bock. 2,383,880; Aug. 28.
Polymer mixture, Cured. N. S. Beekley, Jr. 2,383,839; Aug. 28.
Polymerization catalyst. R. M. Thomas, D. C. Field, and H. C. Reynolds, Jr. 2,383,627; Aug. 28.
Polymers of styrene and ring substituted methyl styrenes, Depolymerization of. F. J. Soday. 2,383,922; Aug. 28.
Portable former. E. C. Stinson and E. D. Hall. 2,383,923; Aug. 28.
Power output amplifier circuit. W. R. Koch. 2,383,867; Aug. 28.
Power transmitting device. C. J. Werner. 2,383,901; Aug. 28.
Power unit system. E. A. Rockwell. 2,383,618; Aug. 28.
Press: *See*—
Hydraulic press.
Press. L. M. Kahn. 2,383,723; Aug. 28.
Propeller, Variable pitch screw. G. Baxter. 2,383,440; Aug. 28.
Protein furfuryl alcohol-formaldehyde composition. M. T. Harvey. 2,383,792; Aug. 28.
Pulse repeater, Revertive. R. C. Avery. 2,383,759; Aug. 28.
Pump structure. J. F. Hoffer. 2,383,483; Aug. 28.
Racemic alpha-hydroxy-β,β-dimethyl-gamma-butyrolactone, Resolution of. M. Tishler and R. H. Beutel. 2,383,524; Aug. 28.
Radiographic exposure meter. H. Friedman and A. L. Christenson. 2,383,478; Aug. 28.
Radio quartz crystals, Multiple edging and squaring. L. A. Faber. 2,383,638; Aug. 28.
Radio telephone system. A. F. Bowers. 2,383,908; Aug. 28.
Razor. E. M. Perkins. 2,383,887; Aug. 28.
Razor, Safety. J. W. O'Mealey. 2,383,882; Aug. 28.
Reactance control circuit. M. G. Crosby. 2,383,848; Aug. 28.
Reacting furfuryl alcohol and acid condensation products of furfuryl alcohol with glyoxal and polymerized glyoxal and products produced thereby. M. T. Harvey and R. F. Durst. 2,383,793; Aug. 28.
Receiver: *See*—
Frequency modulation receiver.
Receptacle filling apparatus. M. A. Benton. 2,383,761; Aug. 28.
Rectifier. W. A. Ray. 2,383,735; Aug. 28.
Reflector, Colored reflex light. P. V. Palmquist. 2,383,884; Aug. 28.
Refrigeration mechanism. R. A. Isenberg, R. S. Pershing, C. V. H. King, Jr., E. D. Patton, and R. Caraway. 2,383,486; Aug. 28.
Regulator: *See*—
Gas regulator. Voltage regulator.
Relay with automatic adjuster, Photoelectric. R. S. Gregory. 2,383,644; Aug. 28.
Resin. G. Spiller. 2,383,624; Aug. 28.
Resins, Preparing silicone. M. M. Sprung. 2,383,827; Aug. 28.
Retractable step. E. A. Reynolds. 2,383,930; Aug. 28.
Ring: *See*—
Metal ring.
Riveted structure. A. W. Spicer. 2,383,623; Aug. 28.
Rock crusher. E. H. Anderson. 2,383,457; Aug. 28.
Rodding and cleaning pipes, sewers, and the like, Mechanism for. S. O. Blanc. 2,383,843; Aug. 28.
Rubbers, Oil resisting. G. Gee and S. C. Stokes. 2,383,540; Aug. 28.
Rudder for boats. A. J. Dawson. 2,383,714; Aug. 28.
Salts from aqueous solutions, Crystallization of. R. Bloch and I. Schnerb. 2,383,763; Aug. 28.
Saw, Power. F. G. Carnes and W. D. Carnes. 2,383,447; Aug. 28.
Saw, Thumb controlled coping. D. B. McNeely. 2,383,871; Aug. 28.
Scaffold system. H. H. Clark. 2,383,449; Aug. 28.
Scent fixative, Producing a. M. Sandoz. 2,383,517; Aug. 28.
Seal, Fluid. A. J. Matter. 2,383,667; Aug. 28.
Sealing device. H. Hornschuch. 2,383,862; Aug. 28.
Self-balancing inverter circuit. J. B. Crawley. 2,383,846; Aug. 28.
Separator: *See*—
Surgical separator.
Sewage ejector. C. Yeomans. 2,383,834; Aug. 28.
Sewing apparatus. R., V., and H. Naftali. 2,383,613; Aug. 28.
Sewing machine. M. Pedersen. 2,383,677; Aug. 28.
Sewing machine, Shoe. L. L. Barner. 2,383,530; Aug. 28.
Sheet feeder. H. J. Luehrs and P. W. Cottrell. 2,383,807; Aug. 28.
Sheet material, Method and apparatus for making. C. J. Davies. 2,383,849; Aug. 28.
Shoe and making the same, Ornamental. L. Sabo. 2,383,514; Aug. 28.
Shoe construction. J. Binder. 2,383,585; Aug. 28.
Shoe holder. J. R. Persinger. 2,383,678; Aug. 28.
Sight, Muzzle mounted bore. L. H. Brown. 2,383,466; Aug. 28.
Sign. G. P. Murphy. 2,383,881; Aug. 28.
Silicic acid sols. J. S. Kirk. 2,383,653; Aug. 28.
Skin clamp. D. H. Finkle. 2,383,928; Aug. 28.
Slicer, Apple. De S. E. Richardson. 2,383,814; Aug. 28.
Soap, Manufacturing. W. R. Trent. 2,383,631; Aug. 28.
Soap, Production of. W. R. Trent. 2,383,630; Aug. 28.
Sodium bicarbonate, Production of. S. G. Osborne. 2,383,674; Aug. 28.
Soldering iron. A. B. Atkinson. 2,383,699; Aug. 28.
Sound reproducer, Electromagnetic. W. De Verter. 2,383,594; Aug. 28.
Spider, Impact. J. T. Parsons and A. V. Brogren. 2,383,885; Aug. 28.
Stamp decorating of articles of manufacture. J. H. Keller. 2,383,865; Aug. 28.
Starch conversion sirups, Production of. R. N. Monte. 2,383,914; Aug. 28.
Starting mechanism and the like. R. W. Muerle. 2,383,671; Aug. 28.
Stencil and making same, Light. B. Rudnick. 2,383,568; Aug. 28.
Stencil and stenciling. R. J. Leander. 2,383,913; Aug. 28.
Stop mechanism and warning signal for knitting machines, Tension control. R. N. Auble. 2,383,838; Aug. 28.
Storage apparatus, Liquid-sealed fluid. W. G. Laird. 2,383,555; Aug. 28.

Storage system, Under water fuel. W. J. Bouckert. 2,383,840; Aug. 28.
Stove. J. F. Joy. 2,383,488; Aug. 28.
Strap fixture for armchairs. A. B. Muller. 2,383,918; Aug. 28.
Strap, Wrist watch. J. A. Traum. 2,383,628; Aug. 28.
Strip applying machine. H. C. Paulsen. 2,383,560; Aug. 28.
Subharmonic generator. J. B. Daly. 2,383,777; Aug. 28.
Support: *See*—
Display mount support. Work support.
Plant support.
Surfacing material, Decorative. A. A. Glidden. 2,383,598; Aug. 28.
Surgical separator. M. C. Bortagaray. 2,383,705; Aug. 28.
Switch: *See*—
Box switch. Gravity actuated switch.
Electric switch. Interrupter switch.
Switch mechanism, Correlative thermostatic. G. W. Crise. 2,383,533; Aug. 28.
Table and chair, Combination extension. E. Walker. 2,383,831; Aug. 28.
Tank for aircraft, Liquid fuel. J. E. Coxon, F. Lindsley, and G. E. Shelley. 2,383,532; Aug. 28.
Tape applying machine. J. Fossa. 2,383,539; Aug. 28.
Telephone or like system. C. Gillings and C. E. Beale. 2,383,541; Aug. 28.
Telephone system. E. J. Hayes. 2,383,794; Aug. 28.
Telegraph system. F. H. Hanley. 2,383,788; Aug. 28.
Temperature compensated capacitor and reactance. S. Heyman. 2,383,480; Aug. 28.
Temperature control of catalytic reactions. W. A. Wurth. 2,383,636; Aug 28.
Temperature control system. E. F. Kubler, E. D. Schneider, and G. C. Nonken. 2,383,806; Aug. 28.
Temperature control system and apparatus. W. B. Miller. 2,383,811; Aug. 28.
Tension indicator. W. J. Elvin and J. B. Steiding. 2,383,537; Aug. 28.
Testing device for control thermostats. E. C. Williams. 2,383,756; Aug. 28.
Textile materials, Treatment of cellulosic. G. P. Vincent, A. L. Dubeau, and J. F. Synan. 2,383,900; Aug. 28.
Thermal insulation and manufacture. G. P. Leistensnider and H. H. Rinehart. 2,383,604; Aug. 28.
Thermoelectric control circuit. E. Paille. 2,383,676; Aug. 28.
Three way valve. D. W. Hopkins. 2,383,861; Aug. 28.
Thresher machine. W. R. Dray. 2,383,911; Aug. 28.
Thumbscrew. C. C. Moss. 2,383,670; Aug. 28.
Ticket issuing machine. R. H. Helsel. 2,383,796; Aug. 28.
Tie, Concrete form. T. R. Judkins. 2,383,864; Aug. 28.
Tie folding and slip stitch sewing machine, Combined. C. W. Johnson and J. A. Neumair. 2,383,654; Aug. 28.
Timber, Treating. C. Luckhaupt. 2,383,504; Aug. 28.
Tip construction, Airfoil. M. Watter and G. W. Pancoe. 2,383,635; Aug. 28.
Tire. F. R. Mays and R. R. Royal. 2,383,668; Aug. 28.
Tire carrier. M. J. Falsley and S. Sims. 2,383,476; Aug. 28.
Toaster, Electric. B. G. Olving. 2,383,673; Aug. 28.
Tool: *See*—
Boring tool. Flange facing tool.
Double purpose tool.
Toy, Constructional. W. C. Beile. 2,383,441; Aug. 28.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,383,803; Aug. 28.
Trailer tongue construction. W. E. Martin. 2,383,666; Aug. 28.
Transfer mechanism for can parts. W. P. Winters. 2,383,528; Aug. 28.
Transformer. S. H. M. Dodington. 2,383,475; Aug. 28.
Transmission, Change-speed. G. T. Randol. 2,383,615; Aug. 28.
Trap: *See*—
Grease trap.
Treatment of fresh fruits and vegetables in preparation for market. C. De W. Cothran. 2,383,451; Aug. 28.
Treatment of pigment comprising calcium carbonate. H. R. Rafton. 2,383,509; Aug. 28.
Trolley conductor device. R. P. Hanna. 2,383,721; Aug. 28.
Tube and working circuit therefor, Multianode electron. G. Pasqualigo. 2,383,886; Aug. 28.
Tube structure. A. L. Parker. 2,383,733; Aug. 28.
Tubing, Fabrication of. C. E. Slaughter. 2,383,520; Aug. 28.
Tuning device, Spread band. V. R. Beck. 2,383,462; Aug. 28.
Tuning device, Spread band. Z. Benin. 2,383,463; Aug. 28.
Turbulence producing valve. A. H. Wassman. 2,383,697; Aug. 28.
Undergarment. H. Collins. 2,383,590; Aug. 28.
Valve: *See*—
Check valve. Three way valve.
Control valve. Turbulence producing valve.
Lubrication system control valve.
Valve compass system, Flux. O. E. Esval, R. S. Curry, C. F. Fragola, and L. F. Beach. 2,383,461; Aug. 28.
Valve gates, Refacing of. P. E. Wilcox. 2,383,755; Aug. 28.
Valve operating mechanism. E. E. Hilker. 2,383,549; Aug. 28.
Vehicle: *See*—
Motor vehicle.
Vehicle drive mechanism. E. S. MacPherson. 2,383,873; Aug. 28.
Vibration isolation. S. H. Hahn. 2,383,645; Aug. 28.
Vitamin C, Extracting. R. Yamamoto and T. Hara. 2,383,902; Aug. 28.
Voltage regulator. H. Klemperer. 2,383,492; Aug. 28.
Vulcanizing apparatus. A. Ridd. 2,383,685; Aug. 28.
Wallpaper roll. W. H. Yates and Le R. W. Staunton. 2,383,637; Aug. 28.
Washing machine. G. W. Dunham. 2,383,783; Aug. 28.
Water heater control system. C. M. Osterheld. 2,383,675; Aug. 28.
Waterproofing inorganic hydrous oxide bodies, and product. E. A. Hauser. 2,383,647; Aug. 28.
Waxes, Treating. C. S. Treacy. 2,383,629; Aug. 28.
Welder's clamp. R. L. Cox. 2,383,591; Aug. 28.
Welder, Impact. R. S. Thacker. 2,383,695; Aug. 28.
Welding system. J. W. Dawson and H. Klemperer. 2,383,473; Aug. 28.
Window construction. H. Goldenberg. 2,383,852; Aug. 28.
Window construction. T. R. Smith. 2,383,691; Aug. 28.
Window structure. G. Gargiulo. 2,383,912; Aug. 28.
Windshield cleaner. S. S. Smith. 2,383,750; Aug. 28.
Wire grinding machine. C. A. Carlson. 2,383,927; Aug. 28.
Wire-stripping device. R. Gordon. 2,383,479; Aug. 28.
Wood digestion resin-aldehyde condensation product. R. W. Martin. 2,383,558; Aug. 28.
Work support for shoe machines. F. Ashworth. 2,383,529; Aug. 28.
Work support. G. G. Landis and N. J. Hoenie. 2,383,503; Aug. 28.
Wrapping machine. C. J. Malhiot. 2,383,664; Aug. 28.
Wrench: *See*—
Closure plug wrench.
Yarn lubrication. M. H. Lyle and C. B. Smith. 2,383,505; Aug. 28.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 28, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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